

6/10/16

I. COVER SHEET

May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION

Proposal Title: Upper Trinity River Watershed Stewardship Project
Applicant Name: Trinity County Resource Conservation District
Mailing Address: P.O. Box 1450, Weaverville, CA 96093
Telephone: (530) 623-6004
Fax: (530) 623-6006

Amount of funding requested: \$150,000 for one year

Indicate the Topic for which you are applying (check only one box):

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

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

- Sacramento River Mainstem
Delta
Suisun Marsh and Bay
San Joaquin River Mainstem
Landscape (entire Bay-Delta watershed)
Sacramento Tributary:
East Side Delta Tributary:
San Joaquin Tributary:
X Other: Upper Trinity River Watershed
North Bay:

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
Late-fall run chinook salmon
Delta smelt
Splittail
Green Sturgeon
Migratory birds
X Spring-run chinook salmon
Fall-run chinook salmon
Longfin smelt
X Steelhead trout
Striped bass

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

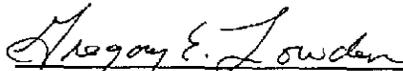
- | | |
|---|---|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input checked="" type="checkbox"/> Local government/district | <input type="checkbox"/> Private party |
| <input type="checkbox"/> University | <input type="checkbox"/> Other: |

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> Planning | <input type="checkbox"/> Implementation |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Education |
| <input type="checkbox"/> Research | |

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 the 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.



Gregory E. Lowden, Chairman of the Board of Directors

II. EXECUTIVE SUMMARY

PROJECT TITLE: Upper Trinity River Watershed Stewardship Project

PROJECT APPLICANT: Trinity County Resource Conservation District

a. Project Description and Primary Biological/Ecological Objectives

This is a community-based watershed stewardship project with active local leadership. The extremely high turbidity levels experienced in Trinity Lake over the past two years has led to increasing concern among local residents, business owners and various agencies. This proposal aims to discover the cause and possible solutions of this problem by conducting a sediment source inventory, preparing a strategic fuels reduction and thinning plan, and developing a comprehensive Watershed Action Plan with prioritized projects for implementation. This cooperative planning process is integral to our efforts to reduce sedimentation and turbidity levels in Trinity Lake, improve water quality and water supply reliability for its beneficial uses.

Objectives of this project include:

- Minimize sedimentation and turbidity, as this reduces available storage capacity in the reservoir
- Improve water quality
- Improve water supply reliability
- Reduce risk of catastrophic fire, as it is detrimental to watershed function and water quality
- Improve fisheries habitat, particularly salmon and steelhead
- Involvement of diverse interest groups

a. Approach/Tasks/Schedule

Tasks include:

- Organizing stakeholders, including business owners, state and federal agencies, into a watershed coalition to address concerns and establish a stewardship vision
- Determining the cause(s) of high turbidity levels in Trinity Lake, and thus Whiskeytown Reservoir by conducting a sediment inventory
- Preparing a strategic fuels management plan to reduce the risk of catastrophic fire with the involvement of CDF and USFS and private landowners
- Developing a Watershed Action Plan with implementation priorities

This planning project will take one year from funding.

a. Justification for Project and Funding by CALFED

This project addresses the ERPP objective for upper watershed health and function by developing an Action Plan for restoring ecological processes in the upper watersheds in order to maintain and improve the quality and quantity of water flowing into the tributaries and rivers of the Sacramento Bay Delta. Although the Trinity River is not included in the ERPP study area, we believe that due to the import of nearly one million

acre-feet of water per year from the Upper Trinity River to the ERPP study area, as well as providing storage capacity of 2.5 million acre-feet for the Central Valley Project, the Upper Trinity River Watershed provides a direct benefit to the ERPP study area and deserves consideration for funding by CALFED. It has been roughly estimated (by NRCS Engineer) that approximately 460,160 cubic tons of sediment per year is entering Trinity Lake from the various tributary streams above Trinity Dam. This figure translates into a reduction in storage capacity of 230 acre-feet per year. One acre-foot of water from the Trinity Lake generates 1,100 kilowatt hours of power. Both economics and ecosystem enhancement, as well as community support and goodwill justify CALFED funding for this community-based watershed stewardship project.

b. Budget Costs and Third Party Impacts

This proposal seeks funding in the amount of \$150,000 for the planning phase. Third party impacts are expected to benefit the health and fisheries of Trinity River below Trinity and Lewiston Dams as well as recreation and tourism, which are vital to Trinity County's economy.

c. Applicant Qualifications

Trinity County Resource Conservation District (TCRCD) has an outstanding record of achievement with many projects in the Trinity River Basin, including development of cooperative efforts among landowners, timber interests, various government agencies and the general public. TCRCD has had extensive experience in watershed restoration projects as part of the Trinity River Fish and Wildlife Restoration Program.

d. Monitoring and Data Evaluation

Monitoring and data evaluation will be a critical component of the Upper Trinity River Watershed Action Plan to determine effectiveness of project implementation. This project will develop a project-scale and watershed-scale monitoring plan to evaluate the long-term success of project objectives. The watershed coalition will aim to foster volunteer monitoring.

e. Local Support/Coordination with other Programs/Compatibility with CALFED objectives

This is a community-based project with active local leadership. The project promotes the CALFED goal of improving upper watershed health and ecological functions by reducing levels of stressors, including erosion and wildfire risk, in order to provide high quality water and water supply reliability. It will also address several ecosystem elements identified in the ERPP, including ecological processes and priority species including spring-run, fall-run, and late fall-run chinook salmon, and steelhead. The project will provide direct benefit to several endangered species, and to the ecological recovery of upper watershed processes. This restoration planning project will coordinate with other State and Federal programs. It is in the interest of CALFED to keep reliable, high quality water from the Trinity River. CALFED's willingness to address the long-term maintenance of this upper watershed has significant local support.

III. TITLE PAGE

Upper Trinity River Watershed Stewardship Project

A Proposal Submitted by:

Trinity County Resource Conservation District
P.O. Box 1450, Weaverville, CA 96093
(530) 623-6004
Fax: (530) 623-6006
E-mail: tcrcd@snowcrest.net

A Special District of the State of California
Tax Identification #: 68-0191522

With Participation From:

Natural Resources Conservation Service
Watershed Research and Training Center
Joe Neil-Trinity Fly Shop

June 30, 1998

IV. PROJECT DESCRIPTION

a. Project Description and Approach

This is a community-based project with active local leadership to develop a comprehensive watershed stewardship plan for the Upper Trinity River. This project was spearheaded by a local resident, Joe Neil of Trinity Flyshop, who is concerned about the continuing high levels of turbidity in Trinity Lake and the resultant negative economic impacts on this community and the fishery resource. Working in a collaborative environment, the Upper Trinity River Watershed Coalition will be formed consisting of diverse interest groups to address the various issues and concerns and establish a vision and goals for the restoration of the watershed. The Coalition will develop specific objectives for examining the sources of the problem of turbidity into Trinity Lake. A sediment survey will be conducted by TCRCO and NRCS staff to determine the source of the sediment with an initial focus on the five main tributaries to Trinity Lake, Stuart Fork, Swift Creek, Coffee Creek, Upper Trinity River, and East Fork Trinity. See attached map. A strategic fuels reduction/thinning plan will be developed for the watershed, led by the Watershed Research and Training Center with significant input from the US Forest Service (the primary land owner in the watershed) and California Department of Forestry and Fire Protection (for private lands input). An Upper Trinity River Watershed Action Plan will be compiled by a consultant, incorporating the previously mentioned elements of the project outlining prioritization of projects for implementation. This project will contribute to ongoing local watershed and stewardship that can achieve significant environmental results with benefits for both the ERRP study area and the Trinity River Watershed below Trinity and Lewiston Dams.

Participants/Collaborators in Planning and Implementation include:

- Natural Resources Conservation Service (NRCS)
- Watershed Research and Training Center (WRTC)
- US Forest Service-Shasta Trinity National Forest
- Trinity County Planning Department
- Stan Plowman-Trinity County Board of Supervisors, District 1
- California Department of Forestry and Fire Protection
- Friends of the Trinity River
- North Coast Regional Water Quality Control Board
- California Conservation Corps
- California Department of Fish and Game
- Forty-three residents and business owners (See attached signatures)

a. Proposed Scope of Work

Phase 1

Phase 1 will be implemented during 1999 if funded by CALFED.

Phase 1 Objectives:

Organize Upper Trinity River Watershed Coalition, consisting of landowners, business owners, fishermen, agencies, land managers, and other interested parties.

- Schedule regular meetings to discuss issues of concern, develop priorities, and define the focus for the Upper Trinity River Watershed Action Plan
- Conduct an inventory of sediment sources within the watershed
- Survey sediment delta at each of the five main tributaries to Trinity Lake (see attached map of subwatersheds)
- Develop a strategic plan for fuels reduction/forest health improvement on USFS and private lands as mitigation for catastrophic fire
- Develop a Watershed Assessment and Action Plan including the following topics:
 - Background
 - Land Use History
 - Limiting factors-Sedimentation, Fuels buildup
 - Soils and geology
 - Aerial photo interpretation
 - Sediment source inventory
 - Strategic plan for fuels reduction/forest health improvement
 - Implementation Plan
 - Prioritization for implementation
 - GIS mapping-roads, soils, vegetation, and ownership identification
 - Monitoring Plan
- Complete Final Report with an outline for proposed work for the following year (2000)

Phase 2

Phase 2 will be implemented in the summer-fall 2000 if funded. Other sources of funding will be sought as well as CALFED, including Prop 204, California Department of Fish and Game, California Department of Forestry and Fire Protection. Another proposal will be submitted when more detail is obtained regarding the expected scope of work to be implemented. This project has the ability to leverage other funding sources to provide for ongoing implementation.

Phase 2 Objectives

Implement recommended projects from the watershed action plan to reduce sediment and turbidity levels and improve water quality and storage capacity for both the Trinity River basin and Central Valley Project (CVP). These projects are expected to include road upgrade or decommission, streambank stabilization, revegetation, and fuels reduction and thinning. Design, permit acquisitions, landowner permission to implement, and contracting with equipment operators all would be undertaken during this phase of the project.

a. Location and/or Geographic Boundaries of the Project

This project is located in Trinity County and consists of the upper Trinity River Watershed above Trinity Dam. The Trinity River originates near 9,025 ft elevation at Mt. Eddy, and flows south into Trinity Lake, (elevation 2,370 ft) a distance of roughly 20 miles. Transbasin diversion from the Trinity River through Judge Francis Carr powerplant to Whiskeytown Lake (elevation 1,210 ft) began in April 1963. Due to this diversion, Trinity Lake is considered part of the Trinity River Division of the CV P. Diversions from

Whiskeytown Lake to the Sacramento River via Spring Creek powerplant and tunnel into Keswick Reservoir began in December 1963. Water from the Trinity River basin is diverted from Whiskeytown Reservoir through the Spring Creek tunnel to Keswick Diversion Dam on the Sacramento River for power generation. The total drainage area of the Upper Trinity River basin is 692 square miles.

Although the Upper Trinity River watershed is outside of the traditionally defined Sacramento River watershed, the fact that nearly an average of one million acre feet of water per year is diverted from Trinity Lake over the hill into the ERRP study area, and Trinity Lake provides 2.5 million acre feet of storage capacity for the CVP, dictates that this "source watershed" be addressed. The Upper Trinity River watershed consists of over 70% publicly owned land, most of which is administered by the US Forest Service. The Trinity Alps Wilderness Area accounts for 32% of the total watershed. Private lands account for 29% of this watershed with a significant portion owned by Sierra Pacific Industries. Other private lands in this watershed include several small communities including Coffee Creek, Covington Mill and Trinity Center, recreational facilities, and a winery (see the attached maps, Attachment A1 and A2).

b. Expected Benefits

This project will address and examine the extremely high turbidity levels of Trinity Lake that have existed since the storms of early 1997 by inventorying sediment sources within the watershed and recommending solutions in order to reduce sediment runoff. This project will bring together various stakeholders within the community to develop and implement a comprehensive watershed assessment and action plan, which will lead to implementation of projects that will minimize loss of storage capacity in the dam by reducing sedimentation.

Specific project benefits include:

- Development of a comprehensive plan for the Upper Trinity River Watershed
- Improved storage capacity of Trinity Lake and Whiskeytown Lake by minimizing sedimentation
- Improved water quality for all beneficial uses including power generation and recreation
- Increased water supply reliability
- Improved forest health and minimized risk of catastrophic fire
- Improved fisheries habitat

This project will ultimately improve the ecological health of Trinity Lake as well as both the Trinity River and the ERRP area with an improvement in the quality of water by minimizing sedimentation and turbidity. Reducing the risk of catastrophic fire will benefit forest health in this source watershed and minimize potential sedimentation. The ecological benefits are critical to priority species identified by CALFED, including chinook salmon and steelhead by reducing fine sediments and providing sufficient high quality water. The proposal is a long-term strategy to address large-scale problems in this source watershed of the CVP.

a. Background and Ecological/Biological/Technical Justification

Construction and operation of the Central Valley Project (CVP) has in effect made the Trinity River an artificial (man-made) tributary of the Sacramento River. Trinity County has been considered as the County of Origin for the Trinity River Division of the CVP. Since 1964, an average of nearly 1 million acre-feet of water per year has been diverted from the Trinity River Watershed to the Sacramento River by the CVP under 1959 permits issued to the Bureau of Reclamation by the Safe Water Resources Control Board. This compares with average annual inflow of approximately 1.2 million acre feet. The permitted removal of most of the water from the Upper Trinity River has had direct and significant destructive effects on area-of-origin beneficial uses and public trust assets in the entire Klamath-Trinity basin, including reductions in fish habitat (80-90% declines in chinook, coho salmon and steelhead trout populations from pre-diversion levels).

The project is consistent with CALFED goals of improving water quality and storage capacity as well as aquatic and terrestrial habitats and ecological processes. This proposal addresses several ecosystem elements and stressors described in the Ecosystem Restoration Program Plan (ERPP). These elements include, but are not limited to the CALFED ecosystem elements listed below in Table 1. As technical justification for the restoration project, Table 1 provides specific restoration objectives that address each CALFED element.

Table 1. Technical justification for project components based on CALFED ERPP.

CALFED ECOSYSTEM ELEMENT	ERPP Implementation Objectives
RESTORE ECOLOGICAL PROCESSES IN THE UPPER WATERSHEDS-FIRE AND EROSION	Conduct comprehensive road inventories on all major timberlands and prioritize feasible projects for implementation. Prepare fuel management plans that identify treatments, priorities and schedules (ERPP Vol. I. p. 70-71)
CHINOOK SALMON	Restore ecological processes and habitats vital to sustain chinook salmon populations; reduce or eliminate stressors to chinook salmon production, including adequate streamflow (ERPP Vol. I. p. 153-154)
STEELHEAD TROUT	Reduce or eliminate stressors to steelhead production, including adequate streamflow; protect spawning and rearing habitat in upper tributary watersheds (ERPP Vol. I. p. 160)

This project has a broad-based support from agencies, landowners, business owners, and other leaders within the community (see attached letters of recommendation from Trinity County Planning Department, Friends of the Trinity River, Watershed Research and Training Center, the North Coast Regional Water Quality Control Board, and others, Attachments E1-E9). This project addresses the stated CALFED issues of water quality

and water supply reliability.

This project is important economically to the local community as well as to the CVP and ERPP study area. It has been roughly estimated (by an NRCS Engineer) that approximately 460,160 cubic tons of sediment per year is entering Trinity Lake from the various tributary streams above the dam. This figure translates into a reduction in storage capacity of 230 acre-feet per year. One acre-foot of water from the Trinity Lake generates 1,100 kilowatt hour of power. Power generation from Trinity Lake is four times more valuable than that from Shasta Dam as there is much more head, or elevation change from Trinity. It has been suggested by the Bureau of Reclamation that heavy sedimentation increase the maintenance cost of the equipment at the power plants and pumping stations. Both economics and ecosystem enhancement justify CALFED funding for this watershed stewardship project. Potential for extending the life of the dam and maximizing storage capacity would also have beneficial effects for power generation and water users in the Bay-Delta region.

In the past thirty-five years Trinity County has exported 33,330,150 acre feet of water to the Central Valley Project (CVP). This water passes through five power houses before it finally reaches the Sacramento River and ultimately, the southern San Joaquin Valley. Enroute it also provided high quality water for recreational facilities at Whiskeytown Lake. This contribution has been one of immeasurable economic value to all the citizens of California. With the exception of major rainfall events in 1978, 1983, 1997, and 1998, the Trinity River has historically provided the CVP and other users water of exceptionally high quality. In unusual flood years large volumes of fine sediment are eroded from the watershed upstream of Trinity Dam and are subsequently trapped in the reservoir. This has been immediately reflected in high levels of turbidity. (See attachment C). Turbidity of the water in Trinity Lake, released below the Dam into the Trinity River and exported to Whiskeytown reservoir remains substantially elevated for many months following these events. Turbidity readings in Trinity Lake reached their highest levels in twenty-two years in 1997. Trinity exports to Whiskeytown Lake and the Sacramento River, continue to experience extremely high turbidity levels. The obvious connection between major rainfall events and high turbidity could be indicative of a major erosion-control problem in the Upper Trinity River watershed. This buildup of sediment has the potential to reduce the available storage capacity and ultimately threaten the expected life of the dam. It has been suggested that the current pattern of El Nino-related weather in this area could become a regular phenomenon. With this possibility looming over the future, it is imperative that watershed assessment, prioritization and restoration work be initiated promptly to ensure the continued provision of high quality water to the CVP, including the recreational facility at Whiskeytown.

This project would also support the Clean Water Action Plan of the U.S. Environmental Protection Agency and the U.S. Department of Agriculture. This report, completed in 1998, establishes a framework of cooperation for federal and state agencies, Tribes, and the public to work together to address clean water issues. More specifically, it calls for unified watershed assessments to be completed and assessments to be made of the water quality of all reservoirs operated by the Bureau of Reclamation with strategies

developed for water quality improvement. The Upper Trinity River Watershed Stewardship Project would facilitate several of the objectives of the Clean Water Action Plan.

a. Monitoring and Data Evaluation

Monitoring and data evaluation will be a critical component of the Upper Trinity River Watershed Action Plan. Monitoring, utilizing a science-based feedback process, will address effectiveness of project implementation to determine whether objectives are being achieved. This will include the development of a detailed project-scale monitoring plan that will continually evaluate the success of various objectives, including sediment inflow, turbidity, habitat improvement, and community involvement. Volunteers and members of the Upper Trinity River Watershed Coalition will be actively involved in gathering monitoring data.

b. Implementability

This project will comply with all related laws and regulations as required. For the first phase of the project, however, we do not anticipate that any National Environmental Policy Act (NEPA) or California Environmental Quality Act (CEQA) permits, easements, encumbrances, etc. need to be addressed. This project consists of the planning stage involving the compiling of a sediment inventory and developing a Watershed Assessment and Action Plan. The US Forest Service, the major land manager in the Upper Trinity River Watershed, is in support of this project (verbal agreement has been given). We will obtain a more formal agreement prior to commencing the project. Sierra Pacific Industries, the other significant landowner in this area, has been approached by the business community regarding this project. Permission from landowners to conduct inventory will be obtained prior to any detailed site-specific data collection. We will work closely with the landowners and community leaders and keep interested parties informed of progress made. Public information and public relations will play an important role in this project.

This project will coordinate with other projects including the Trinity River Restoration Program, the 5-County Coho Plan project, and potential Proposition 204 projects. As mentioned above, this project also complements several key actions called for in the Clean Water Action Plan of the Environmental Protection Agency and the Department of Agriculture, specifically to create watershed assessment and restoration action strategies. Key Action Items in the Clean Water Action Plan relevant to this project include: #19-27, 34, 35, 94-98. (See Attachment F).

Local support is quite strong for this project, as residents have been increasingly aware of the declining health of the Trinity River and its fisheries due to the diversion of most of Trinity River water to the CVP. Local residents feel strongly about the need to put some money into protecting this upper watershed, or reinvesting to maintain as much as possible the water quality of Trinity Lake. Trinity County residents have felt that this important source of water has been taken for granted for too long, particularly the watershed above Trinity Lake. (See attached letters of support, Attachment E).

V. COSTS AND SCHEDULE TO IMPLEMENT PROPOSED PROJECT

a. Budget Costs

This proposal requests \$150,000 for the Upper Trinity River Stewardship Project. Table 2 below provides a cost breakdown of the various tasks.

Table 2. Cost Breakdown

Project Phase and Task	Direct Labor Hours	Direct Salary and Benefits	Overhead Labor	Service Contracts	Material and Acquisition Contracts	Miscellaneous and other Direct Costs	Total Cost
Coalition Coordination	500	10,000	1,000		1,000		11,000
Trib Delta Survey	150	5,000	500				5,000
GIS Support	750	15,000	1,500		1,000		16,000
Conduct Sediment Inventory	2000	40,000	4,000		1,000		42,000
Fuels Reduction and Thinning Strategic Plan				20,000			21,000
Watershed Action Plan				50,000			50,000
TOTAL	3400	\$70,000	\$7,000	\$70,000	\$3,000		\$150,000

The NRCS will assist in surveying the main tributary deltas of Trinity Lake, including Coffee Creek, East Fork Trinity, Trinity, Stuart Fork and Swift Creek to measure sediment inflow. TCRCD will hire a part time coordinator for the Upper Trinity River Watershed Coalition. This person will organize meetings, workshops, and field trips to develop a watershed restoration vision and goals and to discuss various issues and concerns in the watershed. The Watershed Research and Training Center (WRTC) will contract with TCRCD to develop a strategic fuels management and thinning plan with the strong involvement of the US Forest Service and the California Department of Forestry and Fire Protection (CDF), who have begun this process already. The WRTC is developing a market for small diameter material obtained from thinning projects (utilizing a low-impact Economizer) to help offset costs of implementing fuels reduction treatments. The GIS mapping will be prepared by TCRCD's GIS manager who has significant experience with maps for watershed analysis, identifying road networks, vegetation type, soils and geology. The development of the Upper Trinity River Watershed Action Plan will be put out to bid for a consultant. There are several very competent consultants available in the area who are familiar with the Basin and its issues whom we have worked with in the past.

This project has the ability to leverage other funding sources to provide for ongoing implementation. This project consists of the planning process to develop the priorities for implementation. With this plan, other funding sources are readily available for

implementing on-the-ground restoration projects. Other sources of funds will be pursued for the implementation phase, including Proposition 204, California Department of Forestry and Fire Protection's Forest Stewardship Program, US Forest Service "Jobs in the Woods," and California Department of Fish and Game program (SB 271).

a. Schedule Milestones

Task 1: Coordinate the Upper Trinity River Watershed Coalition	month 1-12
Task 2: Survey sediment inflow at tributaries	month 1-2
Task 3: Prepare GIS maps of watershed for planning	month 1-4
Task 4: Conduct inventory of sediment sources	month 2-5
Task 5: Develop the Upper Trinity River Watershed Action Plan	month 2-11
Task 6: Final Report Preparation	month 12
Product: Final Report prioritizing recommended action items for implementation	at year end

We will invoice monthly based on expenses incurred.

b. Third Party Impacts

Third party impacts from implementing this project are expected to be positive. Recreation and tourism would improve at both Trinity Lake and along the Trinity River below the dam with a reduction in sedimentation/turbidity. This would provide economic benefit to this tourism-dependant community. Fish habitat in the Trinity River below the dam should improve with the reduction of fine sediments as well, requiring less water to flush sediments than might otherwise be the case. Reduced risk of catastrophic fire would benefit the resources, forest health, landowners, and the community. Economic impacts would be positive for this community as a whole. Trinity County residents feel that it is important that CALFED make an early and organized effort to reinvest in the health of the Upper Trinity Watershed, an important upper watershed to the Bay-Delta. This would result in goodwill in this community.

VI. APPLICANT QUALIFICATIONS

Trinity County Resource Conservation District (TCRCD) has an outstanding record of achievement with many projects in the Trinity River Basin, including development of cooperative efforts among landowners, timber interests, various government agencies and the general public. TCRCD has had extensive experience in watershed restoration projects as part of the Trinity River Fish and Wildlife Restoration Program. TCRCD is currently in its sixth year under contract to design, implement, and monitor a multi-year, multi-million dollar watershed restoration project in Grass Valley Creek Watershed (a tributary to the Trinity River) and its fourth year for similar work in the South Fork Trinity River Watershed.

The TCRCD has been a very active participant in the South Fork Trinity River Coordinated Resource Management Planning group (CRMP) since its inception in 1994. TCRCD has participated in several Watershed Analysis reports and has conducted sediment inventories in many watersheds. It has also had significant experience in contracting with consultants on many occasions. Funding has been obtained by TCRCD for various other restoration and fuels reduction projects from US Fish and Wildlife, California Department of Fish and Game, and California Department of Forestry and Fire Protection. To date, these projects have only been funded for projects below Trinity Dam. The experience and proven capability of the district will be useful for developing and fostering a community-based solution to major sediment problems existing in the Upper Trinity River Watershed.

TCRCD is a special district of the state of California. TCRCD was formed under Division 9 of the State Resources Code in 1956. As a special district it is self-governed by appointed directors who establish priorities and set policy. Directors are landowners who know local problems, and who volunteer their time without pay.

TCRCD is a county wide special district. The TCRCD gets funding solely from outside grants and some fee-for-service projects. The Board of Directors is guided by landowners and the community in their decisions and actions. Employees of the district carry out the day-to-day operations, guided by priorities and policies established by the Board. The TCRCD focuses attention on land, water, and related resource problems, develops programs to resolve them, and enlists and coordinates assistance from all public and private sources that can contribute in accomplishing the district's goals. In addition, it works toward furthering conservation education in the community, coordinating educational programs, and serving as a community clearing house for information and services.

TCRCD Mission Statement

To assist people in protecting, managing, conserving and restoring the natural resources of Trinity County through information, education, technical assistance and project implementation.

TCRCD Vision Statement

Trinity County Resource Conservation District envisions a balance between utilization and conservation of our natural resources. Through economic diversity and ecosystem management, our communities will achieve and sustain a quality environment and healthy economy.

Other partners involved in this project also have significant experience in watershed restoration planning and implementation of projects, including the Natural Resource Conservation Service, formerly Soil Conservation Service (a federal agency) and the Watershed Research and Training Center. The WRTC was organized in 1992 as a community-based organization as a proactive, solution-based response to the change in public land management from timber to ecosystem management addressing the vital link between healthy forests and healthy communities. Providing soft infrastructure for building community capacity in this timber-dependant county has been the core focus of the organization. The WRTC is working towards developing a market for small diameter material in order to make fuels reduction/thinning projects more economically feasible. They have been involved in several successful fuels reduction/thinning projects working in coordination with the US Forest Service and anticipate that the results of this work will lead to the creation of many local jobs in the extraction, primary processing, and value-added activities. It will be beneficial to tie this relationship as well as market development into this project.

VII. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The standard terms and conditions as specified are agreeable to and able to be complied with by TCRCD. Standard forms for projects funded by the EPA will be submitted. TCRCD will provide quarterly written and oral (if requested for annual review meeting) reports on the progress of the project and a final report with recommendations will be submitted at the completion of this project. A biological monitoring plan will be part of the outcome of this project.

Attachments

- A. Upper Trinity River Watershed Maps**
 - 1. Ownership
 - 2. Subwatersheds

- B. Trinity River Division of the Central Valley Project Profile and Diagram**

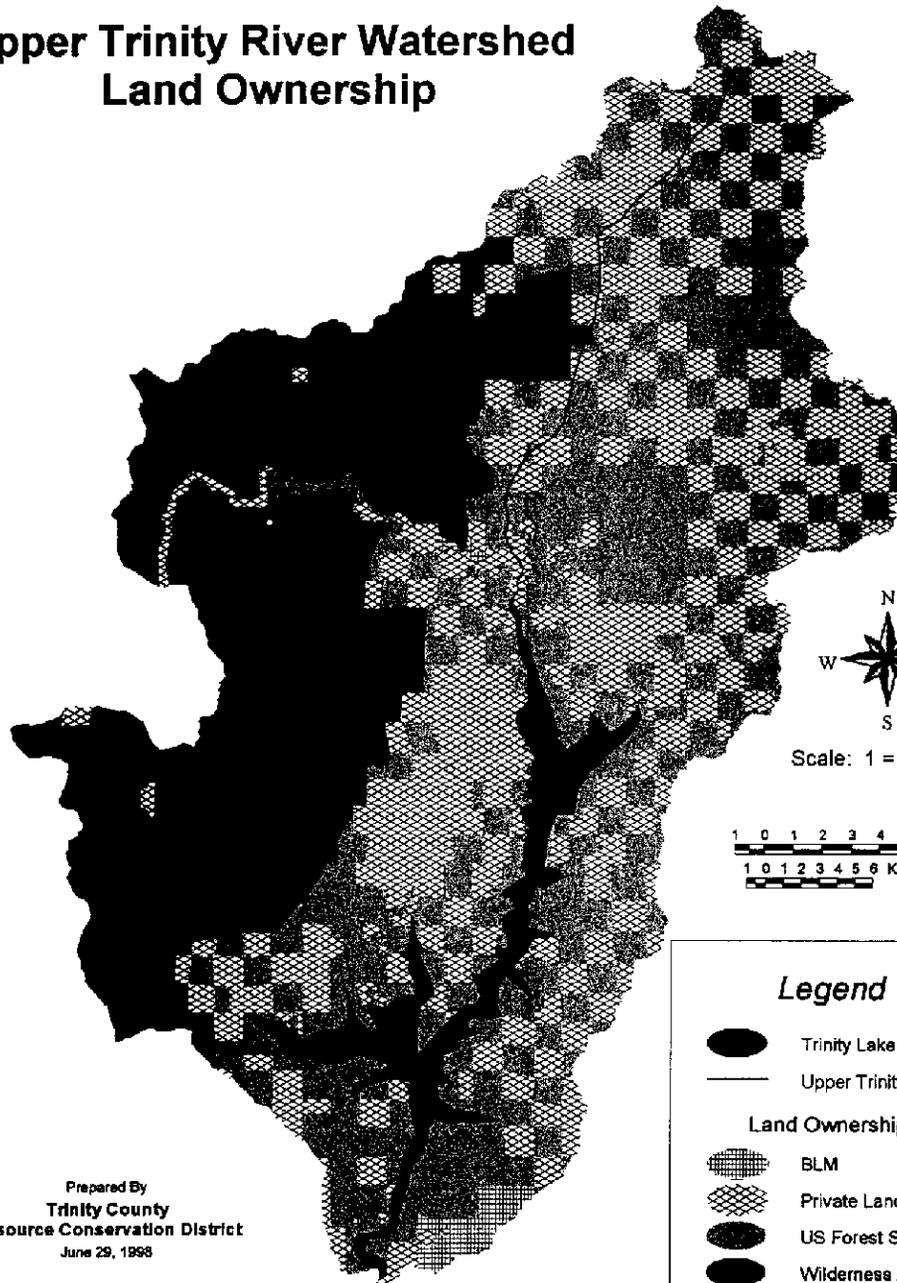
- C. Trinity River Turbidity at California Department of Fish and Game Fish Hatchery**

- D. Trinity River Water Diverted to Central Valley by Water Year**
 - 1. Chart
 - 2. Data

- E. Letters of Support**
 - 1. Friends of the Trinity River
 - 2. Watershed Research and Training Center
 - 3. California Regional Water Quality Control Board, North Coast Region
 - 4. Trinity County Planning Department, Natural Resources Division
 - 5. Patrick Truman, landowner
 - 6. California Conservation Corps, District Director
 - 7. California Conservation Corps, Chief of Corpsmember Development & Project Support Division
 - 8. Signatures from 43 residents and business owners requesting TCRCD apply for CALFED funds to address watershed above Trinity Dam
 - 9. Stan Plowman, Trinity County Board of Supervisors

- F. Clean Water Action Plan List of Key Actions**

Upper Trinity River Watershed Land Ownership



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Scale: 1 = 325,000

1 0 1 2 3 4 5 Miles
1 0 1 2 3 4 5 6 Kilometers

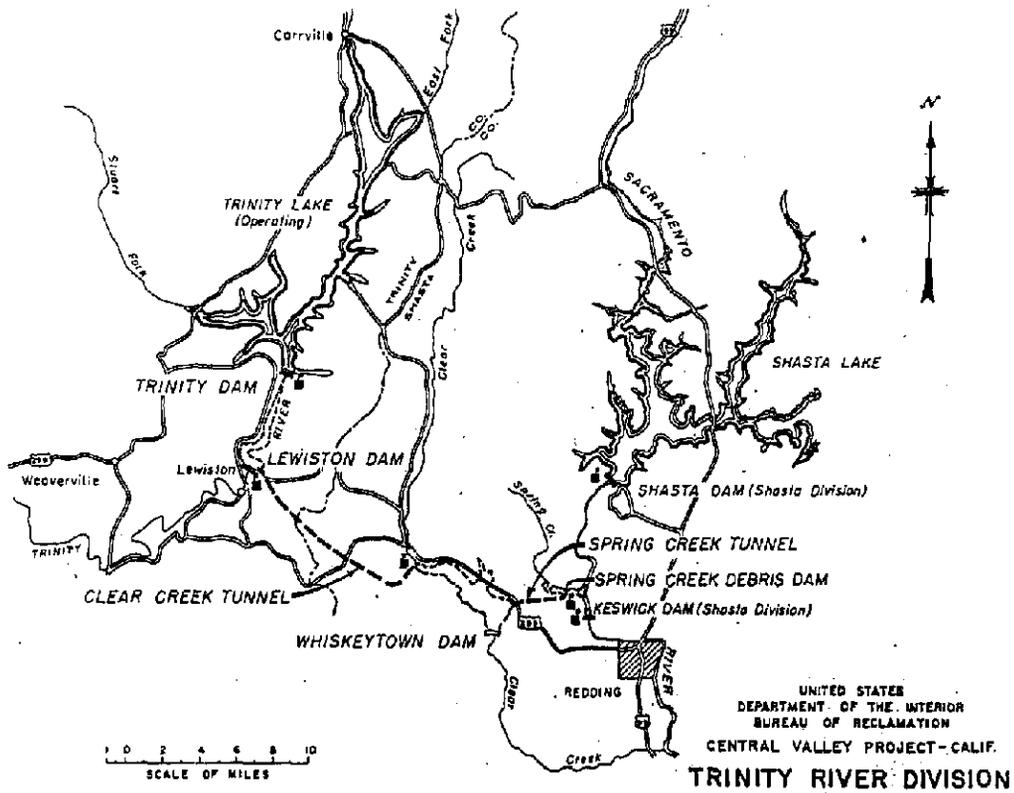
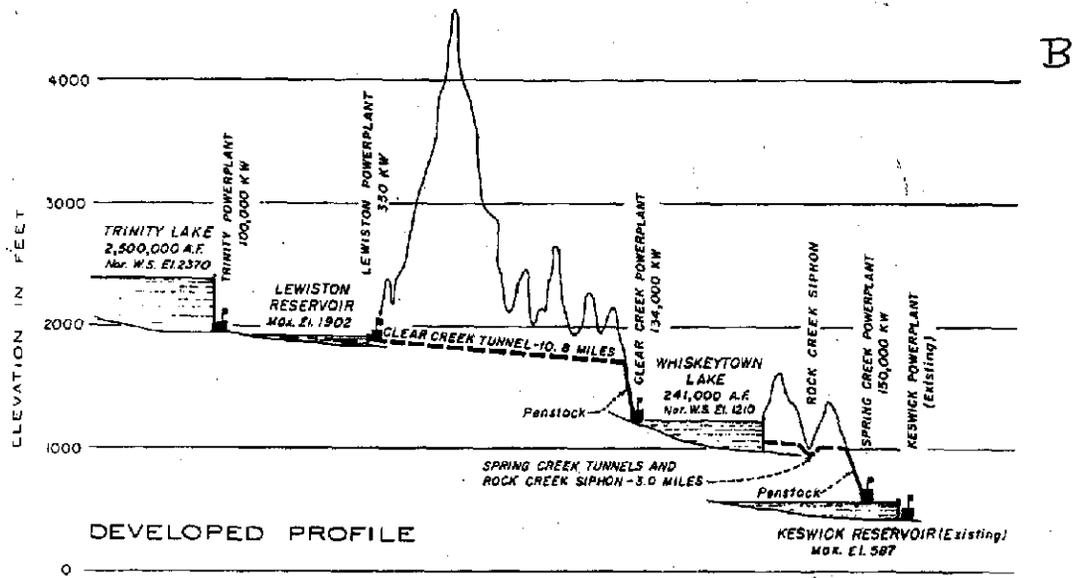
Legend

-  Trinity Lake
-  Upper Trinity River
- Land Ownership**
-  BLM
-  Private Lands
-  US Forest Service
-  Wilderness Area

Prepared By
Trinity County
Resource Conservation District
June 29, 1998

Upper Trinity River Subwatersheds





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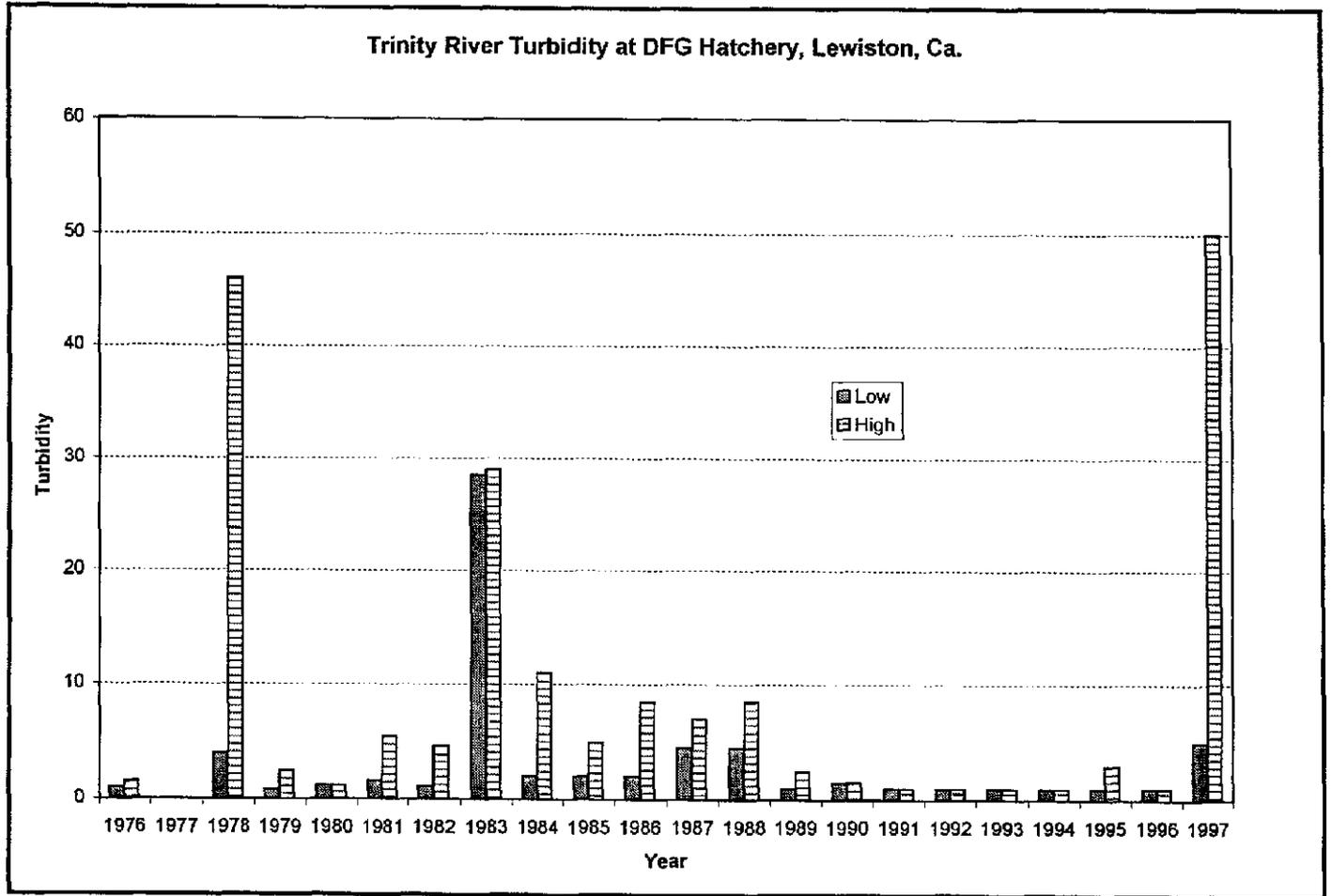
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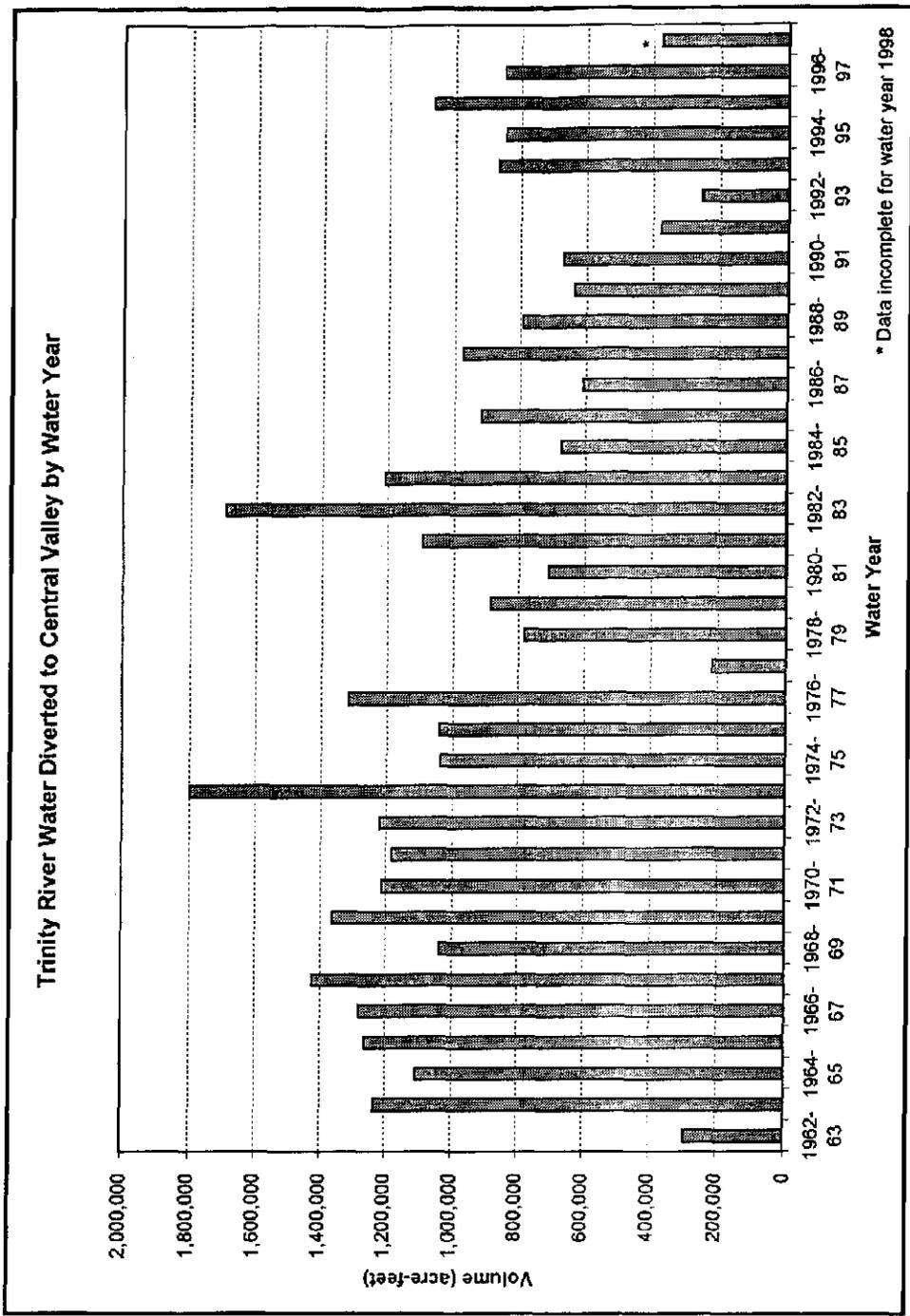
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June 23, 1998

Gregory E. Lowden
Chairman, Board of Directors
Trinity County Resource Conservation District
P.O. Box 1450
Weaverville, CA 96093

Dear Mr. Lowden:

I work for the California Conservation Corps as Chief of the Corpsmember Development & Project Support Division. I am writing to express my support for the Trinity County Resource Conservation District's proposal requesting CALFED funding for watershed restoration planning and to conduct a sediment source inventory in the Upper Trinity River watershed. I am concerned about the very high levels of turbidity that Trinity Lake has had since the storms of early 1997 and about the resultant impact on fisheries habitat downstream of the dam, along with the affect of this increased sediment reducing the life of the reservoir.

The Trinity River Basin below Trinity Dam has had a significant amount of restoration work through the Trinity River Fish and Wildlife Restoration Program since 1984, but little funds have yet been made available to address similar issues and problems (primarily erosion) above the dam. Given the recent heavy influx of sediment to Trinity Lake during the past two winters and resultant high levels of turbidity, it seems appropriate that these issues now be examined and dealt with. I would like to see an inventory of sediment sources as well as the development of a Watershed Enhancement Plan for the Upper Trinity River watershed. This area is an important part of the watershed, especially as this is a significant source of water (averaging a million acre feet per year) for the CVPIA.

I would hope that the CALFED Bay-Delta Program recognize the importance of the Trinity River basin as part of its overall restoration objectives and consider the wide community support for this restoration planning effort in the Upper Trinity River watershed and recommend approval of funds for this project.

Sincerely,



Tom Powers

May 12, 1998

Members of the Board
Trinity County Resource Conservation District
P.O. Box 1414
Weaverville, CA 96093

Dear Board Members:

We, the undersigned, are concerned about the economic impact water turbidity is having on tourism and sport fishing in our county. Therefore, we respectfully urge the Trinity County Resource Conservation District to apply for funds from the CALFED program to study the causes of this turbidity in Trinity and Lewiston Lakes and the Trinity River and find ways to reduce or eliminate it.

Signature	Organization	Date
<i>Doug R. Linn</i>	Pine Cove Trailer Park	5/12/98
<i>Dwight R. Linn</i>	RETIRED PINE COVE	5/12/98
<i>Deanne G. Roke</i>	Pine Cove Trailer Park	5/12/98
<i>Billye J. Jannis</i>	P.O. Box 324 Lewiston, Ca	5/12/98
<i>Peter J. Jutke</i>	Lewiston Motel	5-12-98
<i>Bill Williams</i>	Old Lewiston bridge, RV Resort	5-12-98
<i>Tom Miranda</i>	Old Lewiston Bridge RV	5-12-98
<i>Robert Glaser</i>	Trinity River Lodge	5-12-98
<i>Chris Wilson</i>	P.O. Box 460 Lewiston	5-12-98
<i>Franklin Santos</i>	Box 836 Lewiston	5-12-98
<i>[Signature]</i>	Box 136 Lewiston	5/13/98
<i>[Signature]</i>	Box 491 Lewiston	5-13-98
<i>[Signature] River Guide</i>	Box 605 Lewiston	5/16/98
<i>[Signature]</i>	FRANCOE CAY SHOP	5/16/98

May 12, 1998

Members of the Board
 Trinity County Resource Conservation District
 P.O. Box 1414
 Weaverville, CA 96093

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Signature	Organization	Date
<i>James St. John</i>	Old Lewis and Clark	15 May 98
<i>James St. John</i>	Trinity Park & Recreation	5-15-98
<i>James St. John</i>	BRAD'S SPORTS SHOP	5/19/98
<i>James St. John</i>	LITTLE BRONDS CENTER	5/18/98
<i>James St. John</i>	501 BENTLEY CITY CO.	5/19/98
<i>James St. John</i>	Fed-X	5/9/98
<i>James St. John</i>	Cartridge Magazine	5/19/98
<i>James St. John</i>	BENTON BCG	5-19-98
<i>James St. John</i>	Stoddy's Pool & Spa	5-22-98
<i>James St. John</i>	Russ Construction	5/20/98
<i>James St. John</i>	LAKELAND LERRET RESORT	5/20/98
<i>James St. John</i>	STAR RV Boy's & Girl's	5/20/98
<i>James St. John</i>	STAR RV Boy's & Girl's	5/20/98
<i>James St. John</i>	CROSS COUNTRY RD	5/20/98

May 12, 1998

Members of the Board
Trinity County Resource Conservation District
P.O. Box 1414
Weaverville, CA 96093

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Signature	Organization	Date
James E. Clarke Jr.	Retired Citizen	5-17-98
Lucy K. Clarke	RETIRED	5-17-98
Suzanne Neil		
Frank Dahlberg	Retired	5-17-98
Malcolm Ace Delgado	Retired PCTP LEWISTON CA	5-20-98
David Murphy	RET Lewiston Lake	5-20-98
William Slater	RET Lewiston Lake	5-20-98
Rosalie Olson	RET.	5-20-98
Claudia M. Link	Pine Cove Owner	5-20-98

May 12, 1998

Members of the Board
 Trinity County Resource Conservation District
 P.O. Box 1414
 Weaverville, CA 96093

Dear Board Members:

We, the undersigned, are concerned about the economic impact water turbidity is having on tourism and sport fishing in our county. Therefore, we respectfully urge the Trinity County Resource Conservation District to apply for funds from the CALFED program to study the causes of this turbidity in Trinity and Lewiston Lakes and the Trinity River and find ways to reduce or eliminate it.

Signature	Organization	Date
<i>[Handwritten Signature]</i>	Box 279, Douglas City	5/12/98
<i>[Handwritten Signature]</i>	Box 176, Lewick	5/17/98
<i>[Handwritten Signature]</i>	Box 171, Lewick	5/17/98
<i>[Handwritten Signature]</i>	Box 176, Lewick	5/20/98
<i>[Handwritten Signature]</i>	1001 Rutger St. Ave. 95007	5/20/98
<i>[Handwritten Signature]</i>	1001 Rutger St. Ave. 95007	5/20/98

Clean Water Action Plan

Published February 14, 1998 in response to a directive from
Vice-President of the United States Albert Gore, Jr.

List of Key Actions

KEY ACTION #1 (page 25): EPA and NOAA will conduct a national survey of mercury and other contaminant levels in fish and shellfish throughout the country during the period 1998-2000. This effort will be coordinated with state and tribal efforts to maximize geographic coverage.

KEY ACTION #2 (page 25): By 1998, EPA will develop a multimedia strategy addressing mercury and other persistent, bioaccumulative, and toxic pollutants that cannot be fully addressed through single media controls and approaches. The strategy will include enforcement and compliance efforts to address noncompliance associated with contaminated fish and shellfish areas.

KEY ACTION #3 (page 25): EPA will release its Contaminated Sediment Strategy that will coordinate its programs to address the following goals: (1) preventing the volume of contaminated sediment from increasing; (2) reducing the volume of existing contaminated sediment; (3) ensuring that sediment dredging and disposal are managed in an environmentally sound manner consistent with the needs of waterborne commerce; and (4) developing scientifically sound sediment management tools for use in pollution prevention, source control, remediation, and dredged material management.

KEY ACTION #4 (page 25): In 1998, EPA will initiate place-based contaminated sediment recovery demonstration projects in five watersheds selected from those identified in EPA's National Inventory of Sediment Quality as being of the greatest concern. Remediation efforts will be coordinated with federal natural resource trustees.

KEY ACTION #5 (page 25): EPA will work with NOAA and other federal agencies, states, tribes, and other interested parties to adopt, by December 1999, nationally consistent processes for monitoring water quality and fish tissue, and review EPA guidelines for decision-making on issuance of fish consumption advisories. EPA will support state actions and, after consultation with the state, will issue fish consumption advisories if a state fails to do so.

KEY ACTION #6 (page 26): The Agency for Toxic Substances and Disease Registry (ATSDR) will contribute additional funding and coordinate epidemiology studies in the Great Lakes to improve understanding of the health effects associated with exposure to contaminants in locally caught fish.

KEY ACTION #7 (page 26): In 1998, EPA and ATSDR will develop a brochure in Spanish and Asian languages explaining how to reduce the health risks of exposure to contaminants in locally caught fish and shellfish. The brochure will be given to pediatricians, obstetricians, and health care organizations for distribution to the public, particularly women with children.

KEY ACTION #8 (page 26): In 1998, EPA and ATSDR will develop outreach materials for health care professionals, identifying the health risks of eating noncommercial fish and shellfish contaminated with PCBs and explaining how women and children can reduce these risks.

KEY ACTION #18 (page 30): EPA will address recommendations in the National Academy of Sciences' report on endocrine disruption and develop an appropriate national strategy.

KEY ACTION #19 (page 33): By 1999, DOI and USDA, in consultation with other federal agencies, states and tribes, and other stakeholders, will develop a Unified Federal Policy to enhance watershed management for the protection of water quality and the health of aquatic ecosystems on federal lands. *

KEY ACTION #20 (page 34): Substantially increase maintenance of forest roads and trails on federal lands to protect water quality beginning in 1998; relocate and improve water quality protection for over 2,000 miles of roads and trails per year through 2005; and decommission or obliterate 5,000 miles per year by 2002. *

KEY ACTION #21 (page 34): The U.S. Forest Service will publish new forest transportation regulations by 1999. Stakeholder involvement will be solicited in the development of these regulations, which will consider public needs, funding, and scientific and environmental information in determining the size, purpose, and extent of the forest transportation system. In 1998, a temporary moratorium on new road construction in roadless areas of greater than 5,000 acres will be in effect for 18 months or until the U.S. Forest Service publishes new forest transportation regulations. *

KEY ACTION #22 (page 34): In consultation with other federal agencies and states, in 1999, EPA will consider whether to revise Clean Water Act permit regulations relative to forest roads and develop a pilot permit program for forest roads on federal lands. *

KEY ACTION #23 (page 34): The BLM, the U.S. Forest Service, and other federal land management agencies will implement an accelerated program to improve or restore 25,000 miles of stream corridor by 2005. *

KEY ACTION #24 (page 35): By 2000, land management agencies will implement a strategy for assessing threats to watersheds and water quality stemming from forest health, and for targeting fuel treatments or other techniques to priority watersheds most threatened by damage from disease and wildfire. *

KEY ACTION #25 (page 35): The U.S. Forest Service, the BLM, and EPA will develop and implement a strategy for assisting states and tribes in watershed-based assessments and actions where urban-rural interactions threaten forest health and water quality. *

KEY ACTION #26 (page 35): The U.S. Forest Service will expand implementation of forest health survey and monitoring within all 50 states by 2005. *

KEY ACTION #27 (page 35): The U.S. Forest Service and the BLM will accelerate range allotment planning, implement management changes, and accelerate restoration actions to restore the sustainability, function, and diversity of rangeland ecosystems. This process will be accomplished through improved allotment management decisions; development by the year 2000 of a standardized rangeland health inventory, classification, and monitoring system in accordance with the BLM, the Natural Resources Conservation Service, and the U.S. Forest Service; adoption of comprehensive guidelines for managing resources now at risk; and restoration of stream, riparian, and other degraded areas. *

develop a state-of-the-art information system, building on the Index of Watershed Indicators, Surf Your Watershed, and STORET to present meaningful information to the public over the Internet about the health of aquatic systems in each of the more than 2,000 watersheds in the country.

KEY ACTION #94 (page 77): States should work with other appropriate agencies, governments, organizations, and the public to create Unified Watershed Assessments that identify watersheds that do not meet clean water and other natural resource goals and where prevention action is needed to sustain water quality and aquatic resources. Federal agencies will ask state conservationists and state environmental agency leaders to jointly convene this process and to involve a full range of appropriate parties.

KEY ACTION #95 (page 77): Federal agencies will provide technical assistance or funding support for state efforts to develop unified assessments of watershed health.

KEY ACTION #96 (page 78): By October 1998, states and tribes should work with appropriate agencies, organizations, and the public to define watershed restoration priorities, with special attention to watersheds most in need of restoration and protection. This schedule must be coordinated with section 303(d) of the Clean Water Act and provide an opportunity to bundle Total Maximum Daily Loads on a watershed scale. The schedule should identify the highest priority watersheds to be addressed in the first two years (through 2000).

KEY ACTION #97 (page 79): EPA, in cooperation with other federal agencies, states, and tribes, will upgrade the National Index of Watershed Indicators in 1998 to support unified watershed assessments and to assist in evaluating the priority-setting process.

KEY ACTION #98 (page 80): States and tribes should work with public agencies and private-sector organizations and citizens to develop, based on the initial schedule for the first two years, Watershed Restoration Action Strategies, for watersheds most in need of restoration. Federal agencies will focus current financial resources as appropriate to support watershed restoration plans. New federal resources available in FY 1999 will be targeted to support implementation of actions called for in Watershed Restoration Action Strategies.

KEY ACTION #99 (page 81): Federal agencies will develop guidance on targeting expanded funding for FY 1999.

KEY ACTION #100 (page 81): Federal land and resource management agencies will expand assistance and provide assessment information and tools to states and tribes developing and implementing TMDLs on federal lands.

KEY ACTION #101 (page 81): The Bureau of Indian Affairs will provide technical assistance, grants and/or contracts to improve water quality on tribal lands.

KEY ACTION #102 (page 81): EPA and USDA, in consultation with NOAA, DOI, and other federal agencies, the states, and the National Watershed Forum, will submit a Watershed Restoration Progress Report to the President, the nation's governors, tribal leaders, and the public, evaluating progress in implementing restoration actions and recommending any actions needed to improve progress toward meeting clean water goals. Reports will be provided at the end of the year 2000 and periodically thereafter.

Trinity Imports - Flow through Judge Carr Powerplant

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1962-63								7,060	22,870	84,890	97,340	81,980	284,140
1963-64	57,070	36,220	64,220	48,500	63,290	47,040	132,490	102,320	162,450	180,870	186,930	152,010	1,233,410
1964-65	104,160	57,060	36,290	40,040	53,440	75,940	41,580	114,540	156,420	138,380	156,850	190,870	1,105,570
1965-66	77,820	44,290	33,860	49,740	31,740	32,440	115,560	197,250	176,360	181,950	185,160	135,610	1,261,640
1966-67	148,660	128,370	30,740	40,880	34,030	34,210	41,550	83,870	189,320	181,430	181,460	187,050	1,282,590
1967-68	154,220	76,000	76,840	50,200	48,340	40,020	114,200	212,970	212,550	220,520	163,240	55,450	1,424,150
1968-69	44,180	48,360	50,320	23,250	17,230	17,180	18,220	91,560	217,890	173,590	171,230	163,510	1,036,560
1969-70	24,870	24,870	24,500	44,400	170,400	168,520	191,630	145,510	114,050	165,120	177,270	91,040	1,361,980
1970-71	47,150	15,300	33,900	91,460	116,690	106,680	137,800	171,730	179,850	149,090	88,810	71,940	1,210,700
1971-72	114,580	69,650	29,760	30,080	16,700	140,790	114,530	85,740	125,320	174,750	131,260	148,420	1,181,590
1972-73	90,700	32,250	42,570	29,080	72,090	120,020	128,460	145,700	142,260	154,040	148,760	114,380	1,220,440
1973-74	27,460	42,770	157,790	146,150	179,100	191,450	180,800	216,060	193,860	187,640	161,900	134,720	1,799,500
1974-75	138,030	17,310	21,080	19,860	15,160	23,000	166,660	70,890	174,900	132,960	135,010	120,080	1,034,970
1975-76	92,580	127,330	23,200	43,750	46,810	58,270	9,060	4,610	152,840	161,680	161,380	156,730	1,038,240
1976-77	171,730	71,870	32,810	50,020	20,720	90,300	52,360	147,580	173,360	216,360	196,940	88,280	1,317,350
1977-78	17,720	4,690	23,450	6,860	510	300	0	10,840	17,080	15,560	39,590	80,990	217,560
1978-79	33,300	109,970	177,730	6,950	1,190	230	4,660	19,460	36,150	135,610	161,310	94,350	782,910
1979-80	60,850	8,050	25,470	20	6,000	145,980	90,740	31,710	99,200	104,250	167,810	155,080	865,160
1980-81	13,210	49,540	6,540	690	24,170	30,780	23,770	48,690	106,390	109,490	158,100	134,300	709,660
1981-82	38,750	17,400	43,450	169,310	133,950	111,110	45,650	154,610	105,610	70,670	91,700	110,350	1,083,560
1982-83	92,610	92,920	97,310	91,190	165,700	129,730	175,860	184,020	169,420	188,540	164,600	136,170	1,691,070
1983-84	101,540	103,210	113,260	139,680	133,150	16,950	30,750	25,640	48,960	141,070	192,800	162,750	1,209,780
1984-85	24,840	62,310	88,860	47,550	43,610	34,900	29,040	27,590	16,500	77,550	84,980	136,970	673,790
1985-86	119,940	75,900	63,770	0	360	48,340	96,050	39,380	36,570	125,140	154,230	128,070	918,750
1986-87	63,460	42,450	9,120	2,980	17,390	3,520	25,450	7,770	19,020	160,840	64,330	191,070	607,200
1987-88	206,020	87,030	45,220	23,070	20	0	40,650	6,830	10,140	146,420	196,590	208,510	973,400
1988-89	190,760	81,690	610	250	660	650	31,890	4,690	10,460	156,230	140,340	173,420	792,070
1989-90	128,520	13,920	5,040	6,540	820	3,420	8,830	23,120	27,640	151,630	103,340	164,100	634,800
1990-91	142,680	19,080	4,140	240	150	13,350	10,820	10	63,560	93,990	155,640	179,760	668,310
1991-92	92,030	1,070	730	480	840	770	160	2,420	40	64,500	31,180	27,180	375,960
1992-93	65,670	83,550	10	0	9,060	3,700	69,720	146,020	200,980	180,140	155,320	37,700	252,700
1993-94	10,180	30,270	10,540	1,560	140	60	31,140	66,750	188,820	190,100	175,900	31,470	867,400
1994-95	14,020	2,990	10,330	18,200	100,660	83,550	81,260	43,800	133,350	190,420	180,730	142,180	845,930
1995-96	55,960	14,390	9,990	18,200	37,610	30,390	72,860	121,280	175,320	186,000	87,670	24,170	1,060,780
1996-97	71,500	5,250	15,000	19,390	6,360	42,870	153,180	105,630	112,054	143,655	139,463	122,860	846,460
1997-98	36,270	12,120	7,530	8,560	44,844	52,802	70,807	62,401	112,054	143,655	139,463	122,860	372,640
Avg	82,165	46,840	41,314	35,608	44,844	52,802	70,807	62,401	112,054	143,655	139,463	122,860	952,200

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DEDICATED TO RESTORING
A GREAT RIVER

June 26, 1998

Mr. Gregory Lowden
Trinity County
Resource Conservation District
P. O. Box 1414
Weaverville, CA 96093

Dear Mr. Lowden:

This letter is to support the Trinity County Resource Conservation District's (TRCDD) proposal for funding from CALFED for watershed habitat restoration planning, and for development of an inventory of sediment sources in the Upper Trinity River watershed.

As you know, but I want to reiterate it here, the TRCDD has an outstanding record of achievement with many projects in the Trinity River Basin, including development of cooperative efforts among landowners, timber interests, various government agencies and the general public. This same significant capability clearly should be used for developing solutions to major sediment problems existing in the Upper Trinity watershed.

The amount of sediment entering Trinity Lake, and then transported to several power facilities, Whiskeytown Lake and ultimately into the Sacramento River, as well as to Lewiston Lake and into the Trinity River has proved to be enormous in the past few years. These turbidity levels could lead to imposition by various Water Quality Control Boards of strict water quality control mandates that would help no beneficiary of Trinity watershed runoff.

Since construction of the Trinity and Lewiston dams, an average of almost one million acre feet of water annually (from an average annual Trinity watershed runoff of 1.2 million acre feet) has been diverted. This water goes to several power generation facilities, but finally enters the San Francisco Bay-Delta. Given that fact, this is an issue which CALFED must address.

P.O. Box 2327 • Mill Valley, CA • 94942-2327 • Phone: 415 389-1300 • Fax: 415 389-1437
fofr@weil.com • <http://www.ffa.com/AG/friendsoftr/friendsoftr.html>

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Mr. Gregory Lowden
June 26, 1998
Page two

We ask that you make every effort to obtain CALFED financial support, not only for restoration in the Trinity River Basin, decimated by 35 years of water diversions, but also that you convince CALFED to accept its clear responsibility of the need for restoration planning in the Upper Trinity River watershed. This matter directly affects water quality in the San Francisco Bay-Delta.

TCRCD has a proven record of accomplishment on just such projects as the one for which you are requesting funding, and we support strongly your request for funds for the project.

Sincerely,


Byron W. Leydecker
Chair

BWL/mw

cc: Ms. Noreen Noyes



The Watershed Research and Training Center

Gregory E. Lowden
Chairman, Board of Directors
Trinity County Resource Conservation District
P.O. Box 1450
Weaverville, CA 96093

RE: CALFED Proposal

Dear Mr. Lowden:

I am writing to express my support for the Trinity County Resource Conservation District's CALFED proposal. I would also like to confirm the commitment of my organization to participate in the planning for watershed restoration in the Upper Trinity Watershed. This cooperative planning process to integrate watershed restoration, fuels management, and sediment source inventory is integral to our efforts to reduce the turbidity levels in Trinity Lake, improve the downstream fish habitat, and prolong the useful life of the reservoir.

As you know, CALFED's willingness to address the long term maintenance of the watershed in the uplands has much local support. Since the Trinity Basin loses 80% of the water from the uplands through the Clear Creek tunnel and into the Sacramento Basin, efforts to maintain the upper watershed's contribution to both the CVIP (averaging one million acre feet per year) and to the health of the mainstem are of vital importance, not only to Trinity County, but to the entire state.

We are encouraged that the CALFED Bay-Delta Program recognizes the role the Trinity River Basin plays and are pleased to be involved in this community-based effort for restoration planning in the Upper Trinity River watershed.

Thank you for leading this planning effort. We look forward to continuing this planning effort.

Sincerely,

E. Lynn Jungwirth
Executive Director



California Regional Water Quality Control Board

North Coast Region

Ross R. Lisum, Chairman



Internet Address: <http://www.swrcb.ca.gov>
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone (707) 576-2220 • FAX (707) 523-0135

June 26, 1998

Gregory E. Lowden
Chairman, Board of Directors
Trinity County Resource Conservation District
P.O. Box 1450
Weaverville, CA 96093

Subject: CALFED Proposal

The North Coast Regional Water Quality Control Board (NCRWQCB) staff would like to express our support for the Trinity County Resource Conservation District's proposal requesting CALFED funding for watershed restoration planning and to conduct a sediment source inventory in the upper Trinity River watershed. NCRWQCB staff has been investigating the severe erosion and very high turbidity levels in Trinity Lake and the Trinity River that have occurred since the January 1997 storms. The high turbidity levels have persisted and are impacting the important beneficial uses of Trinity Lake and downstream fisheries habitat in both the Trinity and Sacramento Rivers. The increased sediment yield is also encroaching on the capacity of Trinity Lake as a water reservoir.

The Trinity River has been the subject of extensive restoration efforts through the Trinity River Fish and Wildlife Restoration program since 1984. Most of this effort has been concentrated below the dam even though significant erosion is occurring in the upper watershed. Given the recent heavy influx of sediment to Trinity lake during the past two winters and resultant high turbidity levels, it seems appropriate that these issues now be examined. We would like to see an inventory of sediment sources as well as the development of a Watershed Action Plan for the upper Trinity River watershed. This area is an important part of the watershed, especially as this is a significant source of water (averaging a million acre feet per year) for the Central Valley Project.

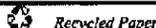
We are hopeful that the CALFED Bay-Delta program recognizes the importance of the Trinity River basin as part of its overall restoration objectives and recommends approval of funds for this project.

Sincerely,

John R. Hannum
Senior Water Resource Control Engineer

ARB:tab/ef.doc

California Environmental Protection Agency





**TRINITY COUNTY
PLANNING DEPARTMENT
NATURAL RESOURCES DIVISION**

98A CLINIC AVE.
P O BOX 156
HAYFORK, CA 96041-0156
(530) 628-5949 FAX (530) 628-5800
E-mail: tcprn@ccoe.trinity.k12.ca.us

June 23, 1998

Gregory E. Lowden
Chairman, Board of Directors
Trinity County Resource Conservation District
P.O. Box 1450
Weaverville, CA 96093

RE: CALFED Proposal

Dear Mr. Lowden:

I am writing to express my support for the Trinity County Resource Conservation District's proposal requesting CALFED funding for watershed restoration planning and to conduct a sediment source inventory in the Upper Trinity River watershed. I am concerned about the very high levels of turbidity that Trinity Lake has had since the storms of early 1997 and about the resultant impact on fisheries habitat downstream of the dam in both the Trinity and Sacramento rivers, along with the affect of this increased sediment reducing the life of the Trinity reservoir.

The Trinity River Basin below Trinity Dam has had a significant amount of restoration work through the Trinity River Fish and Wildlife Restoration Program since 1984, but little funds have yet been made available to address similar issues and problems (primarily erosion) above the Dam. Given the recent heavy influx of sediment to Trinity Lake during the past two winters and resultant high levels of turbidity, it seems appropriate that these issues now be examined and dealt with. I would like to see an inventory of sediment sources as well as the development of a Watershed Action Plan for the Upper Trinity River watershed. This area is an important part of the watershed, especially as this is a significant source of water (averaging a million acre feet per year) for the Central Valley Project.

I would hope that the CALFED Bay-Delta Program recognizes the importance of the Trinity River basin as part of its overall restoration objectives, considers the wide community support for this restoration planning effort in the Upper Trinity River watershed, and recommends approval of funds for this project.

Sincerely,

Tom Stokely
Senior Planner

June 30, 1998

Gregory E. Lowden
Chairman, Board of Directors
Trinity County Resource Conservation District
P.O. Box 1450
Weaverville, CA 96093

RE: CALFED Proposal

Dear Mr. Lowden:

As a forest Landowner from the North Trinity Lake area I am writing to express my support for the Trinity County Resource Conservation District's proposal requesting CALFED funding for watershed restoration planning and to conduct a sediment source inventory in the Upper Trinity River watershed.

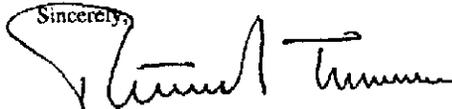
High levels of turbidity in Trinity Lake since the storms of early 1997 and the resultant impact on fisheries habitat downstream of the dam in both the Trinity and Sacramento rivers, along with the affect of this increased sediment reducing the life of the Trinity reservoir is of grave concern to the residents and resort owners of the area.

The Trinity County Resource Conservation District has completed a significant amount of restoration work on the mainstem below the dam through the Trinity River Fish and Wildlife Restoration Program since 1984, but little funds have yet been made available to address similar issues and problems (primarily erosion) above the Dam.

With the recent heavy influx of sediment to Trinity Lake during the past two winters and resultant high levels of turbidity, it seems appropriate that these issues now be examined and dealt with. An inventory of sediment sources as well as the development of a Watershed Action Plan for the Upper Trinity River watershed needs to be undertaken by the District. The Trinity Lake Basin has played an important role in the Central Valley Project, providing a significant amount of water (averaging a million acre feet per year).

The CALFED Bay-Delta Program must recognize the importance of the Trinity River basin as part of its overall restoration objectives, and consider the wide community support for this restoration planning effort. I hereby recommend approval of funds for this project.

Sincerely,



Patrick Truman
Post Office Box 81
Weaverville, California 96093

STATE OF CALIFORNIA — THE RESOURCES AGENCY

E. 6
PETE WILSON, Governor

CALIFORNIA CONSERVATION CORPS

Klamath Service District

1500 P.J. Murphy Memorial Dr., Klamath, CA 95648
(707) 482-2941 FAX (707) 482-7596

June 23, 1998

Gregory E. Lowden
Chairman, Board of Directors
Trinity County Resource Conservation District
P.O. Box 1450
Weaverville, CA 96093

RE: CALFED Proposal

Dear Mr. Lowden:

I am writing to express my support for the Trinity County Resource Conservation District's proposal requesting CALFED funding for watershed restoration planning, including a sediment source inventory, in the Upper Trinity River watershed. This watershed lies within the CCC's Klamath Service District, and I share your concern about the very high levels of turbidity that Trinity Lake has had since the storms of early 1997. I believe it is likely that this increased sediment load will not only reduce the life of the reservoir, but may also result in a negative impact on fisheries habitat downstream of the dam.

The Trinity River Basin below Trinity Dam has had a significant amount of restoration work through the Trinity River Fish and Wildlife Restoration Program since 1984, but little funds have yet been made available to address similar issues and problems (primarily erosion) above the Dam. Given the recent heavy influx of sediment to Trinity Lake during the past two winters and resultant high levels of turbidity, it seems appropriate that these issues now be examined and dealt with. I would like to see an inventory of sediment sources as well as the development of a Watershed Enhancement Plan for the Upper Trinity River watershed. This area is an important part of the watershed, especially as this is a significant source of water (averaging a million acre feet per year) for the CVPIA.

The California Conservation Corps is very interested in being a collaborator in the efforts to address these issues, both in the planning and assessment phase, and later in the implementation of any prescriptive measures identified. We have had nearly twenty years of experience engaging young adults in fish habitat improvement work on watersheds throughout the north coast, and under the mentorship of the California Department of Fish and Game we are also beginning to develop watershed

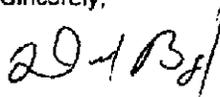
The Mission of the California Conservation Corps is to provide meaningful work and educational opportunities to assist young men and women in becoming more employable, while protecting and enhancing California's environment, human resources and communities.

Mr. Gregory E. Lowden
June 23, 1998
Page Two

assessment skills. I look forward to discussing with you specifics of how we can assist in these efforts.

To this end, I would hope that the CALFED Bay-Delta Program recognizes the importance of the Trinity River basin as part of its overall restoration objectives, considers the wide community support for this restoration planning effort in the Upper Trinity River watershed, and recommends approval of funds for this project.

Sincerely,



David Boyd
District Director

DCB:dcb

The Mission of the California Conservation Corps is to provide meaningful work and educational opportunities to assist young men and women in becoming more employable, while protecting and enhancing California's environment, human resources and communities.