

4.5 PSP Cover Sheet (Attach to the front of each proposal)

Proposal Title: Cottonwood Creek Watershed Monitoring and Assessment
 Applicant Name: Cottonwood Creek Watershed Group
 Mailing Address: P.O. Box 1198, Cottonwood, CA 96022
 Telephone: (530) 365-7329
 Fax: (530) 365-7623
 Email: dvs@shasta.com

Amount of funding requested: \$ 935,000 for 10 years

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

- | | |
|---|---|
| <input type="checkbox"/> Fish Passage/Fish Screens | <input type="checkbox"/> Introduced Species |
| <input type="checkbox"/> Habitat Restoration | <input type="checkbox"/> Fish Management/Hatchery |
| <input checked="" type="checkbox"/> Local Watershed Stewardship | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Water Quality | |

Does the proposal address a specified Focused Action? yes no

What county or counties is the project located in? Shasta & Tehama

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

- | | |
|--|---|
| <input type="checkbox"/> Sacramento River Mainstem | <input type="checkbox"/> East Side Trib: |
| <input checked="" type="checkbox"/> Sacramento Trib: | <input type="checkbox"/> Suisun Marsh and Bay |
| <input type="checkbox"/> San Joaquin River Mainstem | <input type="checkbox"/> North Bay/South Bay: |
| <input type="checkbox"/> San Joaquin Trib: | <input type="checkbox"/> Landscape (entire Bay-Delta watershed) |
| <input type="checkbox"/> Delta: | <input type="checkbox"/> Other: |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run Chinook salmon | |
| <input type="checkbox"/> Winter-run Chinook salmon | <input checked="" type="checkbox"/> Spring-run Chinook salmon |
| <input checked="" type="checkbox"/> Late-fall run chinook salmon | <input checked="" type="checkbox"/> Fall-run Chinook salmon |
| <input type="checkbox"/> Delta smelt | <input type="checkbox"/> Longfin smelt |
| <input type="checkbox"/> Splittail | <input checked="" type="checkbox"/> Steelhead trout |
| <input type="checkbox"/> Green sturgeon | <input type="checkbox"/> Striped bass |
| <input type="checkbox"/> Migratory birds | <input type="checkbox"/> All chinook species |
| <input type="checkbox"/> Other: | <input type="checkbox"/> All anadromous salmonids |

Specify the ERP strategic objective and target(s) that the project addresses. Include page numbers from January 1999 version of ERP Volume I and II: Page 227 Watershed Management Planning, Pages 229 to 232 Central Valley Streamflows, Target 1; Coarse Sediment Supply Target 1; Stream Meander, Target 1, Actions 1A & 1B; Natural Floodplains and Flood Processes, Target 1 Riparian and Riverine Aquatic Habitats, Target 1.

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 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 2.4) and waives any and all rights to privacy confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Cottonwood Creek Watershed Group
Printed name of applicant

[Signature]
Signature of applicant

Executive Summary

Project Title: Cottonwood Creek Watershed Monitoring and Assessment
Applicant Name: Cottonwood Creek Watershed Group

Project Description:

Continued management of the Cottonwood Creek Watershed Group (CCWG) to oversee the implementation of a watershed plan. This phase would assess current conditions in the watershed, both as to the land and stream conditions to give a baseline for future projects. The next phase effort would evaluate and develop recommendations for watershed stewardship including: vegetation management, land use, fire and fuel suppression, managing oak woodlands, erosion reduction, maintaining riparian zones, and providing more sustained runoff patterns in the upper watershed area. The plan will also seek to return to natural or near natural functions, reactivate and maintain natural sediment supply, flood plain and flood processes, gravel recruitment and stream meander, and protect salmon spawning and rearing habitat in the lower watershed area.

Project Approach:

To have a consultant review known reports on the condition of the Cottonwood Creek Watershed, work with public land management agencies, interested parties and resource managers to form consensus on issues and their importance. Coordinate with resource managers, who have studied regional needs and correlate those studies with input from stakeholders. Identify additional work that is needed to form a good baseline for the plan. Prioritize identified projects in accordance with the Ecosystem Restoration Program Plan "The Vision for Cottonwood Creek Ecological Management Zone."

Tasks: Ongoing management of the watershed, watershed assessment, monitor for current and long-term biological conditions, map current conditions and list the watershed's needs.

Schedule: January 1, 2000 to December 31, 2009.

Justification:

CALFED states the need for this proposal in its Volume II: Ecosystem Restoration Program Plan, Cottonwood Creek Ecological Management Zone Vision, Revised Draft: February 1999 (ERPP, vol.2, page 221-232). The project will produce an assessment of current watershed conditions which could be used by the Watershed Group, or agencies and landowners to prioritize and address objectives needed to achieve ERPP's vision for Cottonwood Creek's ecological units.

The Cottonwood Creek Ecological Zone is located many miles from the Delta, but its status and health are reflected in the health of the Delta

Collaboration between public and private interests is necessary for a comprehensive program to create and sustain long-term, viable solutions for Cottonwood Creek Watershed. This non-profit entity will continue to provide a forum to coordinate cooperative efforts and maintain consistency among public and private interests. CCWG will strive for public outreach to educate the people on the importance of a healthy watershed.

Cottonwood Creek Watershed's 930 square miles impedes a grassroots organization's ability to form, receive and represent the community concerns without technical and financial assistance. The watershed is too vast for citizens to accomplish all that needs to be done on a volunteer basis.

The process of continuing to identify stakeholders, establishing and maintaining communications with them is too time consuming and too costly for citizens to fund from their own financial resources.

Budget Costs: \$935,000

Third Party Impacts:

Improved watershed processes will maintain and restore seasonal water runoff patterns, improve water yield and water quality and reduce sediment loads downstream. Healthier watersheds will provide ancillary benefits to upper watershed habitats and species. These improvements will be reflected in a healthier Sacramento River and Delta.

Applicant Qualifications:

The Cottonwood Creek Watershed Group is a group of landowners; with some families having lived in the watershed since the late 1800s. These landowners are integrating with more recently arrived residents, business owners and other private parties to improve watershed conditions, fisheries and habitat.

The applicant will review the work products and consult with other groups and agencies, such as Battle Creek, Mill Creek, Deer Creek Watershed Conservancies, State and County Farm Bureaus, the Anderson-Cottonwood Irrigation District, Sierra Pacific Industries, CDF&G, USF&W and other Resource Agencies to support the efforts of this project.

Monitoring and Data Evaluation:

A monitoring program will be developed early in this phase and implemented in coordination with CDFG and USFW to evaluate the fish populations that are currently using Cottonwood Creek Watershed. A long-term plan will monitor the effectiveness and needs for identified and implemented projects in the watershed.

Local support:

This is a landowner-based group supported by local public and private entities along with State and Federal agencies.

Coordination with other Programs:

The applicant will research and coordinate with other programs doing similar work in the watershed. The applicant will coordinate with the Anadromous Fish Restoration Plan and the Salmon and Steelhead Restoration Plan.

Compatibility with CALFED Objectives:

The proposal will establish a baseline for the projects that are in the "Visions For the Ecological Management Zone and Units" ERPP, vol. 2, pp. 225 as revised draft of February 1999 for the watershed improvement and management actions as described in the 1999 revised plan. The baseline must be established to have the local landowner buy in to the long term needed projects.

Title Page

Title of Project:

Cottonwood Creek Watershed Monitoring and Assessment

Name of Applicant:

Cottonwood Creek Watershed Group
P.O. Box 1198
Cottonwood, CA 96022
Contact: Dee E. Swearingen
(530) 365-7329
(530) 365-7623 Fax
dvs@shasta.com e-mail

Type of Organization and Tax Status:

A Non-Profit Group
Operating under a
Cooperative agreement
with the
Anderson-Cottonwood Irrigation District
2810 Silver Street
Anderson, CA 96007
Phone: 530/365-7329, Fax: 530/365-7623
Contact: Dee E. Swearingen, General Manager

Tax-exempt Special District,
Operating under Division 11
of the
California Water Code
Federal Identification Number: 94-1682332

Participants and collaborators:

Landowners	Corps of Engineers
Shasta County Farm Bureau	USF&W
Tehama County Farm Bureau	CDF&G
Anderson-Cottonwood Irrigation District	TRCD
Sierra Pacific Industries	WSRCD
Homeowners associations	NRCS
Timber managers	DWR
Water companies	Gravel extractors
Fishing guides	Other interested parties

Project Description

Project Description and Approach:

The approach is to have a comprehensive review of previous work that addresses the Cottonwood Creek Watershed. The work may subdivide the watershed into smaller units to facilitate planning, but the watershed will be considered as a whole entity. Consultant will verify that previous work is still valid. Identify additional areas of concerns that need to be addressed. This will give local landowners and interested parties a good base from which to start planning. It will provide a forum to express views about watershed management problems.

A collaborative approach is necessary for such a comprehensive area to create a long-term viable plan for Cottonwood Creek Watershed. It will take a good baseline to be able to judge progress. The non-profit entity will provide a forum for coordination, cooperation and consistency among both public and private programs and interests. This project will lead to a solid foundation to plan for the restoration of a broad spectrum of species and habitats important to the Bay-Delta by utilizing an ecosystem approach and considering human imposed constraints.

Project Scope:

Provides for the management of the organization, holds monthly meetings to receive input and maintain communication with the organization's members; coordinate with local decision-making agencies; conducts watershed assessment of current land and stream conditions; monitor for current or baseline conditions for all fisheries of Cottonwood Creek Watershed; map the watershed and biological conditions.

Task 1: Project Management Inseparable

To facilitate the organization's meetings; manage consultant's work, report to CALFED and others as needed; coordinate with representatives of land management agencies, resource management agencies and other interested parties; conduct public-outreach programs.

Schedule: January 1, 2000- December 31, 2001

Budget: \$160,000

Deliverable: Quarterly reports, meeting minutes, CALFED quarterly fiscal and programmatic reports

Task 2: Watershed Assessment Inseparable

Will contract with consultants or agencies to review known reports, studies and references on Cottonwood Creek Watershed, consultants verify information to make sure it is still relevant and factorial, research and verify current conditions of the land and stream, coordinate with representatives of land management agencies, resource management agencies and other interested parties, identify potential projects to meet the objectives of ERPP. DWR has agreed to provide oversight of the technical work and provide liaison as needed.

Schedule: January 1, 2000- December 31, 2001

Budget: \$350,000

Deliverable: Quarterly reports, provide copies of reports, studies and references on Cottonwood Creek watershed, produce a report of conditions of watershed, identify and prioritize a list of potential projects for the watershed to meet the goals of ERPP.

Task 3: Monitoring _____ Inseparable

To contract with consultants or agencies to review known reports, studies and references on biological conditions of Cottonwood Creek Watershed, consultants will verify information to make sure it is still relevant and factorial, develop and implement a monitoring plan in coordination with CDFG and USFWS to verify the health and condition of the fish populations that use Cottonwood Creek watershed, coordinate with representatives of land management agencies, resource management agencies and other interested parties.

Schedule: January 1, 2000- December 31, 2009

Budget: \$350,000

Deliverable: Quarterly reports, provide copies of reports, studies and references on Cottonwood Creek watershed, report of conditions of the watershed fisheries. The monitoring plan for Cottonwood Creek Watershed and provide annual reports of the results of the monitoring plan.

Task 4: Mapping _____ Inseparable

Conditions will be delineated on maps of a scale that will adequately serve the function of the assessment. These maps will show the sub-region boundaries if sub-regions are used. Problem areas, stressors and critical habitats will be depicted on the maps. Potential projects to be mapped.

Schedule: January 1, 2000- December 31, 2001

Budget: \$75,000

Deliverable: Overlays of the base maps of the watershed with current conditions delineated. Maps of potential projects and other maps deemed necessary to provide public outreach.

Location:

The Cottonwood Creek Watershed lies within southern Shasta and northern Tehama counties, west of the Sacramento River to the Trinity County line. Cottonwood Creek's confluence with the Sacramento River is a few miles south of Anderson and about sixteen miles north of Red Bluff, See attached map.

Ecological/Biological Benefits:

This proposal accomplishes CALFED objectives by:

- ◆ Identifying opportunities for implementing CALFED's proposed programs;
- ◆ Providing a forum for discussing issues with local decision makers and other management agencies;
- ◆ Educating landowners and interested parties about watershed issues;
- ◆ Enhancing local capacity to develop and implement projects;
- ◆ Setting the stage for, and facilitating, numerous future projects.

This project is needed to identify and prioritize the specific features that will be recommended for restoration and will provide the baseline against which the benefits of restoration can be measured. Without this information it is difficult to implement the procedure of adaptive management. This project is similar to projects in the past few years for the Deer and Will Creek watersheds. The gathering of baseline data is necessary to establish the criteria against which progress is measured.

Linkages:

The Cottonwood Creek Watershed Group was formed April 20, 1998. We received a CALFED grant to organize. This proposal will expand the group's ability to accomplish watershed improvement objectives in the Cottonwood Creek Watershed to meet "The Vision for the Cottonwood Creek Ecological Management Zone" in Volume II: Ecosystem Restoration Program Plan, Page 225, Revised Draft: February 1999.

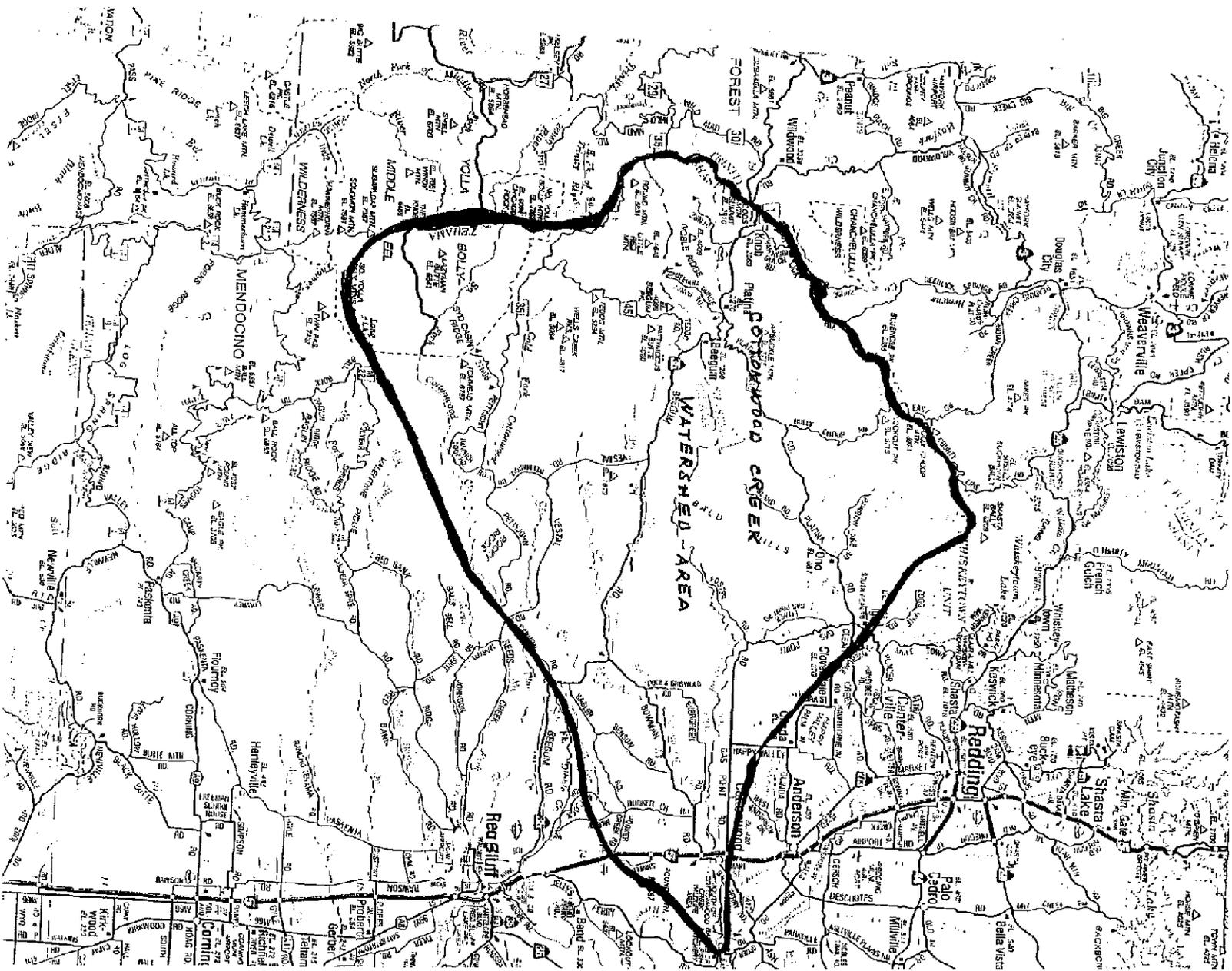
Cottonwood Creek Watershed's size impedes a grassroots organization's ability to perform and represent the community concerns without technical and financial assistance. The watershed is too vast for citizens to accomplish all that needs to be done on a volunteer basis. The process of maintaining communications to provide information and receive input on the proposed efforts is too time consuming and too costly for citizens to fund from their own financial resources.

Technical Feasibility and Timing:

These tasks will provide the Watershed Group, agencies and other interested parties alternatives to meet the goals and objectives of ERPP.

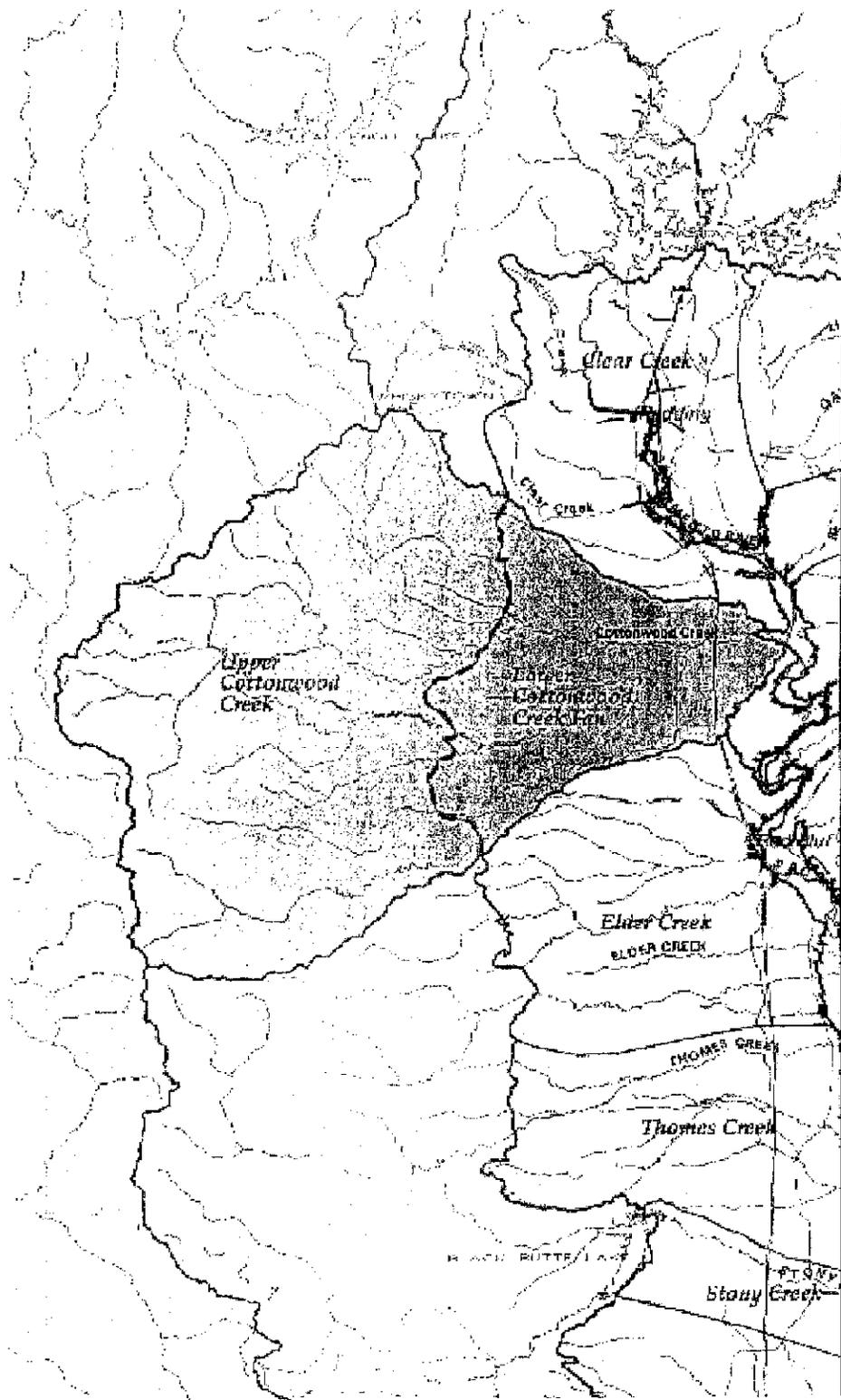
This proposed project is a data gathering project that has no true alternatives other than no action. Not gathering and compiling the data as proposed here would restrict the ability of the Cottonwood Creek Watershed Group in preparing a comprehensive watershed plan that would lead to the restoration of the watershed.

Because this project does not include any direct actions, NEPA and CEQA do not apply. Through the feasibility studies and identification of restoration targets to be produced by this project, future compliance documents and permitting requirements will be identified.



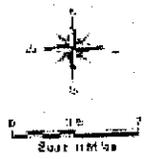
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I-017134



Legend

-  Ecological Management Zones and Units
-  Adjacent Ecological Management Unit
- Upper Cottonwood Creek** Ecological Unit Name
- Cottonwood Creek** Important Streams
-  Valley Floor Perimeter (approximate 300-foot elevation)
-  Interstate Highway
-  State Highway



Monitoring and Data Evaluation:

A monitoring program will be developed and implemented in coordination with CDF&G and USF&W. Once implemented, the program will be evaluated annually to make sure it is meeting the goals of providing the needed information for baseline conditions to monitor improvements in Cottonwood Creek Watershed.

Local Involvement:

This is a landowner-based group supported by local public and private entities along with State and Federal agencies.

The Group has the following **Participants and collaborators:**

Landowners	Corps of Engineers
Shasta County Farm Bureau	USF&W
Tehama County Farm Bureau	CDF&G
Anderson-Cottonwood Irrigation District	TRCD
Sierra Pacific Industries	WSRCD
Homeowners associations	NRCS
Timber managers	DWR
Water companies	Gravel extractors
Fishing guides	Other interested parties

Cottonwood Creek Watershed Group has monthly meeting which are advertized in the local newspaper and meeting notices are mailed to all interested parties.

Shasta and Tehama board of supervisors have been notified of this grant application along with the Shasta County Water Agency.

TABLE 2

Schedule

<u>TASK</u>	<u>YEAR</u>																																				
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Q1	Q2	Q3	Q4																							
Task 1: Project Management	█																																				
Task 2: Watershed Assessment	█																																				
Task 3: Monitoring	█																																				
Task 4: Mapping	█																																				

I-017137

Costs and Schedule

TABLE 1

Cost Breakdown

Project Phase/ Task	Direct Labor Hours	Direct Salary/ Benefits	Overhead Labor	Service Contracts	Material/ Acquisition Contracts	Misc./Direct Costs	Total
Task 1	3,760	\$94,000	\$26,000	\$ 20,000	\$10,000	\$10,000	\$160,000
Task 2	1,000	25,000	20,000	300,000	5,000		350,000
Task 3	2,000	50,000	25,000	275,000			350,000
Task 4				69,000	5,000	1,000	75,000
Total	6,760	\$169,000	\$71,000	\$664,000	\$20,000	\$11,000	\$935,000

Applicant Qualifications:

The Cottonwood Creek Watershed Group is a group of landowners, with some families having lived in the watershed since the late 1800s. These landowners are integrating with more recently arrived residents, business owners and other private parties to improve watershed conditions and habitat.

The applicant will review the work products and consult with other groups and agencies, such as; Battle Creek, Mill Creek, Deer Creek Watershed Conservancies, State and County Farm Bureaus, the Anderson-Cottonwood Irrigation District, Sierra Pacific Industries, CDF&G, USF&W and other Resource Agencies to support the efforts of this project.

The Group has had the following Participants and collaborators:

Landowners	Corps of Engineers
Shasta County Farm Bureau	USF&W
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Anderson-Cottonwood Irrigation District	TRCD
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NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

COMPANY NAME

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

DATE EXECUTED

EXECUTED IN THE COUNTY OF

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

**STANDARD CLAUSES --
SMALL BUSINESS PREFERENCE AND CONTRACTOR IDENTIFICATION NUMBER**

NOTICE TO ALL BIDDERS:

Section 14835, et. seq. of the California Government Code requires that a five percent preference be given to bidders who qualify as a small business. The rules and regulations of this law, including the definition of a small business for the delivery of service, are contained in Title 2, California Code of Regulations, Section 1896, et. seq. A copy of the regulations is available upon request. Questions regarding the preference approval process should be directed to the Office of Small and Minority Business at (916) 322-5060. To claim the small business preference, you must submit a copy of your certification approval letter with your bid.

Are you claiming preference as a small business?

_____ Yes* _____ No

*Attach a copy of your certification approval letter.

April 12, 1999

Ross Turner
Tehama County Board of Supervisors
633 Washington St.
Red Bluff, CA 96080

Dear Chairman Turner:

On behalf of the Cottonwood Creek Watershed Group (CCWG), we, the Cottonwood Creek Watershed Committee, are writing to bring the Tehama County Board of Supervisors up-to-date on the Committee's effort regarding the watershed's restoration.

Cottonwood Creek Watershed is 930-square miles of both privately and publicly owned land. The watershed ranges from Shasta Bally in Shasta County to the north to South Yolla Bolly to the south in Tehama County, from Cottonwood in the east to the Shasta/Trinity County line to the west. The watershed is one of the largest tributaries of the Sacramento River, as well as one of the last watersheds to formally organize a watershed stewardship. Please see enclosed map. The Group, at this time, is comprised of landowners, but will be expanding to include public and governmental agencies.

The Committee is in the process of finalizing the organization of the Group, and will be hiring a coordinator through a temporary employment agency, Staff Resources Inc., based in Chico, in the near future. CCWG applied for and received a CalFed grant for the organization of the Watershed Group and the hiring of a coordinator. The Committee is submitting another CalFed grant application for \$935,000 in funding for studying the baseline conditions of the creek and to make recommendations.

If the Committee can provide any other information, please let us know.



Dee Swearingen,
Acting facilitator, Cottonwood Creek Watershed Group

April 12, 1999

Glenn Hawes
Shasta County Board of Supervisors
1815 Yuba St., Suite 1
Redding, CA 96001

Dear Chairman Hawes:

On behalf of the Cottonwood Creek Watershed Group (CCWG), we, the Cottonwood Creek Watershed Committee, are writing to bring the Shasta County Board of Supervisors up-to-date on the Committee's effort regarding the watershed's restoration.

Cottonwood Creek Watershed is 930-square miles of both privately and publicly owned land. The watershed ranges from Shasta Bally in Shasta County to the north to South Yolla Bolly to the south in Tehama County, from Cottonwood in the east to the Shasta/Trinity County line to the west. The watershed is one of the largest tributaries of the Sacramento River, as well as one of the last watersheds to formally organize a watershed stewardship. Please see enclosed map. The Group, at this time, is comprised of landowners, but will be expanding to include public and governmental agencies.

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Dee Swearingen,
Acting facilitator, Cottonwood Creek Watershed Group