



F1-026

Contra Costa Resource Conservation District
5552 Clayton Road - Concord, California 94521 - Phone (510) 872-6522

Kate Hansel
CALFED Bay-Delta Program
1416 Ninth St., Ste. 1155
Sacramento, CA 95814

Dear Ms. Hansel:

On behalf of Contra Costa Resource Conservation District I am please to submit ten copies of the grant proposal, **Alhambra Creek Watershed Plan**, to the CALFED Ecosystem Restoration Projects and Programs. If you or your staff have any questions, please contact me at the District office (510) 672-6522. Thank you for your consideration.

Sincerely,

Cece Sellgren
Resource Conservationist

DWR WAREHOUSE

97 JUL 25 PM 2:30

I. Executive Summary

a. Project Title and Applicant Name

**Alhambra Creek Watershed Plan
Contra Costa Resource Conservation District**

b. Project Description and Primary Biological/Ecological Objectives

Goal: Facilitate, coordinate, and support the efforts of landowners, municipalities, community organizations, and citizens of the Alhambra Creek watershed to develop and write a watershed management plan using the Coordinated Resource Management Planning (CRMP) process.

A citizens planning group will develop a watershed management plan which will address several natural resource issues including: restoration of degraded aquatic and riparian communities, prevention of soil erosion, reduction of non-point source water pollution, preservation of property rights, prevention of catastrophic wildfire. By addressing the watershed health as a whole, all of the watershed's components - soil, air, water, plants, animals, and people - will benefit.

c. Approach/Tasks/Schedule

The Alhambra Creek watershed plan is being developed using the Coordinated Resource Management and Planning (CRMP) process. The CRMP process relies on three fundamental tenets 1) Local control of the planning process; 2) Consensus decision making; 3) Voluntary implementation of the plan. The Alhambra Creek watershed planning group is adhering strictly to the CRMP process.

The development of the watershed plan is a collaborative process, involving the participation of several of landowners, municipalities, community organizations, and citizens from the area. Over two-thirds of the planning group is made up of local landowners. The planning group consists of:

- Local ranchers
- Residential landowners
- Contra Costa County Farm Bureau
- Environmental Alliance
- Martinez Regional Land Trust
- Friends of Alhambra Creek
- Friends of Franklin Hills
- Urban Creek Council
- Martinez Chamber of Commerce
- City of Martinez
- Contra Costa County
- Contra Costa Central Sanitation District
- East Bay Regional Park District
- National Park Service

This project began in December, 1995. Significant progress has been made to date. All of the groundwork has been accomplished and the foundation has been laid. The Alhambra Creek watershed planning group is ready to begin the "real" work by addressing the goals, objective, and resource tools to be used to develop the plan. The development of the watershed plan is broken into seven tasks. Two of the tasks have already been completed.

Task	Description	Start Date	Completion Date
Task 1	Project Management and Administration	December 1995	June 1999
Task 2	Determine Interest in Watershed Plan	January 1996	March 1997
Task 3	Inform Watershed Landowners	May 1996	June 1999
Task 4	Conduct Inventory and Monitoring	February 1996	June 1999
Task 5	Form Planning Group	March 1997	July 1997
Task 6	Develop Goals, Objectives, and Tools	September 1997	December 1998
Task 7	Write Watershed Plan	January 1999	June 1999

d. Justification for Project Funding by CALFED

The Alhambra Creek watershed plan is highly compatible with the CALFED goals and objectives. By approaching management of natural resources on a watershed basis, the health of the entire system and each of the components will be addressed. The watershed supports a number of priority species and habitats including

steelhead trout, migratory birds, shaded riverine aquatic habitat, instream aquatic habitat, tidal perennial aquatic habitat, and saline emergent aquatic habitat. The watershed suffers from many of the listed stressors, and more importantly, these stressors will be addressed through the watershed management plan. The watershed plan is strictly adhering to the CRMP process, which ensures full community involvement and empowerment. The first watershed management plan being developed in Contra Costa County, all eyes are on the RCD. Funding from CALFED Ecosystem Restoration Program will ensure the plan's success.

e. Budget Costs and Third Party Impacts

Contra Costa RCD is requesting \$135,000 from the CALFED Category III funds to aid in the development of the a natural resources management plan for the Alhambra Creek watershed. With these funds Contra Costa RCD will hire a watershed coordinator who will dedicate his/her full time to the development of the plan. As this project is the development of a watershed management plan, the majority of the costs are associated with the participants time. Other costs include the augmentation of a geographical information system (GIS), purchase of a computer and associated software for the watershed coordinator position, and production of the plan once completed.

CALFED Requested Amount	\$ 135,000
Committed Matching Contributions	\$ 320,187
TOTAL PROJECT AMOUNT	\$ 455,187

Because the watershed plan has yet to be developed, it is impossible to quantify any potential third party impacts. As the plan will be implemented on a *completely voluntary basis*, no negative third party impacts are anticipated. Some positive third party impacts may occur including improved property values due to improved natural habitats, reduction of flooding damages, and reduced risk of catastrophic wild fire within the watershed; improved financial opportunities for landowners to implement conservation plans associated with the watershed plan; and improved educational curriculum at John Muir Jr. High School through water quality monitoring.

f. Applicant Qualifications

Contra Costa Resource Conservation District is an independent special district dedicated to assisting private landowners in managing their natural resources to the best of their ability. Established in 1941, Contra Costa RCD has a long history of assisting farmers, ranchers, homeowners, and community groups through cooperative, voluntary programs. Recently Contra Costa RCD has successfully implemented grant contracts with US Environmental Protection Agency and the CA Dept. of Conservation. The District is currently administering grant contracts with the San Francisco Regional Water Quality Control Board and the CA Dept. of Forestry.

g. Monitoring and Data Evaluation

The inventory and monitoring associated with the development of the plan has four aspects: 1) An inventory of the watershed's natural and cultural resources (completed in February 1997); 2) Volunteer water quality monitoring to establish baseline conditions; 3) Assessment of stream and riparian function through the Rapid Riparian Assessment protocol; 4) Development of a GIS and associated models.

h. Local Support/Coordination with other Programs/Compatibility with CALFED Objectives

Contra Costa RCD has garnered the support of several local landowners, residents, civic groups, and local municipalities in the creation of the Alhambra Creek watershed plan. Indeed, the plan is being developed and written by the citizens planning group, the majority of which are simple landowners. In addition nine technical and regulatory agencies are advising the planning group.

The Alhambra Creek watershed planning group has been working closely with the City of Martinez in designing a flooding management program in downtown Martinez which is consistent with the goals and objectives of the watershed plan. The Alhambra Creek watershed plan is highly compatible with the CALFED objectives in that the plan will likely improves water quality, restore aquatic, riparian and terrestrial habitat, improve the ecological health of all of the components of the watershed, and maintain and/or enhance rare populations.

II. Title Page

a. Title of Project

Alhambra Creek Watershed Plan

Contra Costa Resource Conservation District
5552 Clayton Rd. Concord, CA 94521
(510) 672-6522 / (510)672-8064 (Fax) / No e-mail

c. Type of Organization

Other Government Entity / Tax Exempt

d. Tax ID Number

Not Applicable

e. Contact Person

Cece Sellgren, Resource Conservationist
Both technical and financial contact
Address as above

f. Participants in Implementation

- Local ranchers
- Residential landowners
- Environmental Alliance
- Friends of Alhambra Creek
- Friends of Franklin Hills
- Urban Creek Council
- Contra Costa County Farm Bureau
- Martinez Chamber of Commerce
- City of Martinez
- Contra Costa County
- Contra Costa Clean Water Program

- Contra Costa Consolidated Fire District
- Contra Costa Central Sanitation District
- East Bay Regional Park District
- SF Regional Water Quality Control Board
- CA Dept. of Fish and Game
- CA Dept. of Forestry and Fire Protection
- National Park Service
- Natural Resources Conservation Service
- US Fish and Wildlife Service
- US Army Corps. Of Engineers

g. RFP Program Group Type

Other Services

III. Project Description

a) Project Description and Approach

Goal: Facilitate, coordinate, and support the efforts of landowners, municipalities, community organizations, and citizens of the Alhambra Creek watershed to develop and write a watershed management plan using the Coordinated Resource Management Planning (CRMP) process.

The Alhambra Creek watershed plan is being developed using the Coordinated Resource Management and Planning (CRMP) process. The CRMP process relies on three fundamental tenets 1) Local control of the planning process; 2) Consensus decision making; 3) Voluntary implementation of the plan. The Alhambra Creek watershed planning group is adhering strictly to the CRMP process.

The development of the Alhambra Creek watershed plan began in December 1995, when the Environmental Alliance approached Contra Costa RCD about the need for a natural resources plan for the Alhambra Creek watershed. Contra Costa RCD agreed to take a leadership role if the CRMP process was used. Work towards the development of the plan began almost immediately, and many of the project objectives have already been completed. Contra Costa RCD is requesting for CALFED ecosystem restoration funds to assist the RCD and the citizens planning group to finish the development of the plan.

The development of the watershed plan is a collaborative process, involving the participation of several of landowners, municipalities, community organizations, and citizens from the area. Over two-thirds of the planning group is made up of local landowners. The planning group consists of:

- Local ranchers
- Residential landowners
- Contra Costa County Farm Bureau
- Environmental Alliance
- Martinez Regional Land Trust
- Friends of Alhambra Creek
- Friends of Franklin Hills
- Urban Creek Council
- Martinez Chamber of Commerce
- City of Martinez
- Contra Costa County
- Contra Costa Central Sanitation District
- East Bay Regional Park District
- National Park Service

In addition several regulatory and technical agencies are participating in an advisory capacity. The Technical Advisory Committee (TAC) assists the planning group with understanding the legal, regulatory, and technical framework natural resource management works within. The members of the TAC include:

- Natural Resources Conservation Service
- US Fish and Wildlife Service
- US Army Corps. of Engineers
- CA Dept. of Forestry & Fire Protection
- CA Dept. of Fish and Game
- SF Regional Water Quality Control Board
- Contra Costa Consolidated Fire District
- Contra Costa Clean Water Program
- Contra Costa Resource Conservation District

Objectives which have already been accomplished.

One of the early objectives of the project was to determine what level of interest the local community had for developing a watershed plan. Contra Costa RCD engaged in "market research" for over a year. After several discussions with local landowners and presentations to civic groups and municipalities, it became clear the community was eager to proactively manage their natural resources through a cooperative, voluntary process.

The next objective was to inform *all* landowners of our intent to facilitate the development of a watershed management plan. This task was accomplished through the cooperative efforts of the Contra Costa County Assessors office, a grant from the CA Dept. of Conservation, and Contra Costa RCD. After creating a mailing database, over 5000 fliers were sent to *every* landowners within the watershed announcing the first public meeting. All of the work paid off when over 125 people attended the meeting on March 3rd, 1997. Participants immediately began the planning process by listing and prioritizing which resource issues they thought the plan

should address. This list gave the soon-to-be-formed planning group its initial guidance on the development of the plan.

Another early objective was an initial assessment of the watersheds resources. The Natural Resources Conservation Service conducted a natural and cultural resources inventory of the Alhambra Creek watershed using existing sources of information. The inventory addressed land use, geology soils, erosion potential, range, water quality, hydrology, plant communities, wildlife habitat relationships, endangered species, and known cultural resources. The inventory produced a written report and a GIS database. The GIS database is being augmented through a CA Dept. of Forestry grant.

The final objective completed to date is the formation and training of the planning group. Using interest established at public meetings, as well as through discussions with local groups and agencies, a planning group consisting of landowners, residents, and representatives of civic organizations and local government was created. The planning group subsequently developed guiding principles from which they will develop the plan.

Objectives still to be achieved

The next objective to achieve is to develop goals, objectives, and methods to be used in the watershed management plan using the CRMP. This is part of the CRMP, the heart and soul of the watershed planning process, will take well over a year to accomplish. Successfully achieving this objective will require the full time attention of a watershed coordinator. Contra Costa RCD is requesting funds to create a new position within our organization to devote to this process.

Once the goals, objectives, and management tools are decided upon, the planning group (with substantial support of the RCD) will write the watershed management plan. The draft plan will be submitted for public and peer review. Comments, suggestions, and changes will be incorporated as needed. The completion and publication of the final watershed management plan will signify the successful completion of this project.

b) Location and/or geographical boundaries of the project

The Alhambra Creek watershed lies in north central Contra Costa County, and encompasses the western portion of the City of Martinez (see Map 1). The watershed drains approximately 16.3 square miles, and is one of 23 major watersheds within the county. The watershed lies entirely within the 11th State Assembly District, the 7th State Senate District, and the 7th Congressional District.

c) Expected Benefits

Although there is a firm commitment by the members of the planning group and the community at large to develop and implement a natural resources plan for the Alhambra Creek watershed, it is important to stress that the goals and objectives of the watershed plan have not yet been developed. It is therefore difficult to address the expected biological benefits with authority. The contents of the plan will be developed entirely by the citizens planning group. In light of this situation there are a number of resource issues the watershed plan *may* address, which will likely have potential benefits for several stressors, habitats, and priority species.

The Alhambra Creek watershed includes four of the priority habitats: 1) Shaded riverine aquatic habitat; 2) Instream aquatic habitat; 3) Tidal perennial aquatic habitat; 4) Saline emergent aquatic habitat.

The shaded riverine aquatic habitat and the instream aquatic habitat are associated with Alhambra Creek and its tributaries. There are approximately 17 miles of stream within the watershed, much of which supports a mature riparian forest. The remainder is suspended in lower successional community types or has been urbanized. Alhambra Creek and its tributaries support a number of rare, threatened and endangered species such as steelhead trout, California tiger salamander, and red legged frog.

The mouth of Alhambra Creek supports a wetland, which is part of the East Bay Regional Park District. The Martinez Regional Shoreline is a mosaic of tidal perennial aquatic habitat, saline emergent wetlands habitat. The

shoreline supports a number of rare, threatened and endangered species such as the salt marsh harvest mouse, California clapper rail, Suisun shrew, Suisun marsh aster, and the delta tule pea.

Table 1 - Rare, threatened, and endangered species known to occur within the Alhambra Creek watershed

Scientific Name	Common Name	Federal Status	State Status
<i>Oncorhynchus mykiss</i>	Steelhead trout	C2	None
<i>Archoplites interruptus</i>	Sacramento perch	C2	None
<i>Ambystoma californiense</i>	California tiger salamander	C1	None
<i>Rana aurora draytoni</i>	California red-legged frog	E	SC
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	C1	T
<i>Melospiza meodia maxillaris</i>	Suisun song sparrow	C2	None
<i>Rallus longirostris obsoletus</i>	California clapper rail	E	E
<i>Reithrodontomys raviventris</i>	Salt marsh harvest mouse	E	E
<i>Sorex ornatus sinuosus</i>	Suisun shrew	C1	None
<i>Aster lentus</i>	Suisun marsh aster	C2	None
<i>Lathrus jepsonii</i> var <i>jepsonii</i>	Delta tule pea	C2	None

Although the CA Dept. of Fish and Game has never recorded steelhead within the creek, local residents know of their existence. The fishery is extremely small at this time. The last steelhead was caught three years ago at the "D" St. bridge. Steelhead were seen spawning this past spring near City Hall. The potential for restoration of native fisheries is enormous. Indeed Alhambra Creek supported a commercial fishery until 1950.

There are a number of stressors which may be addressed by the Alhambra Creek watershed plan.

- *Hydrograph alterations due to seasonal flow distributions.* Increasing summer seasonal flows may be addressed through two mechanisms. The first is the restoration of riparian areas which act as a sponge, releasing freshwater during the summer drought. The second is addressing groundwater usage and recharge within the watershed.
- *Migration barriers due to insufficient flows over shallow areas and adverse water quality conditions.* Increasing summer seasonal flows through proper riparian management and reducing non-point source pollution will likely reduce migration barriers to the steelhead trout population.
- *Alteration of channel form due to channel deepening and lack of floodplain.* Channel deepening and resulting loss of the floodplain may be addressed through improved riparian management in residential areas and near horse boarding facilities and cattle ranches. East Bay Regional Park Dist. may reestablish the floodplain at the mouth of the creek. Prevention of further incisement and restoration of proper stream and riparian function will likely be addressed in the watershed plan.
- *Loss of rearing and spawning habitat.* Reestablishment of proper stream and riparian functioning will likely improve steelhead trout spawning and rearing habitat.
- *Loss of shaded riverine aquatic (SRA) habitat.* Incisement of the stream channel has stranded many riparian areas. Degradation of mature riparian forests have diminished the amount of SRA habitat. Reestablishment of proper functioning stream and riparian functioning will likely improve conditions for natural recruitment of riparian species. Active restoration of some riparian areas may also be addressed by the watershed plan.
- *Water quality declines due to non-point pollution sources.* Non-point source pollution, whether from agricultural or urban uses will likely be addressed extensively by the plan.
- *Water quality declines due to agricultural runoff leading to low dissolved oxygen levels.* Nutrient inputs from cattle ranches, horse boarding facilities, and farms will likely be addressed through the development of conservation plans with individual landowners and through educational efforts.
- *Water Temperature alterations due to lack of riparian shade.* Reestablishment of proper functioning stream and riparian functioning will likely improve conditions for natural recruitment of riparian species. Active restoration of riparian areas may also be addressed by the watershed plan.

- *Undesirable species interactions due to invasive riparian plants.* Management of exotic pest plants is an integral component of any restoration plan. The watershed plan will likely address management of exotic pest plants management as part of localized restoration efforts or as its own separate issue.
- *Population management problems leading to inadequate reproductive capacity due to small spawning populations.* The steelhead trout population is extremely small at this time, although it supported a commercial fishery earlier in the century. The population is at great risk for stochastic influences. Direct intervention in the steelhead population may be addressed by the watershed plan. Improvements to steelhead habitat will likely be addressed in the plan.

d) Background and Biological/Technical Justification

The Alhambra Creek watershed suffers from many of the resource problems typical of the wildland-urban interface. Most of the upper watershed is still actively grazed and cultivated. Mid portions of the watershed are experiencing heavy development pressures. The lower portion of the watershed has a mosaic of residential, commercial, and industrial uses. Each of these uses is impacting the resources within the watershed. The watershed management plan will address each of these problems by developing conservation measures which will be applied through voluntary cooperative, programs.

One of the most impacted resources within the watershed is Alhambra Creek and its tributaries. The creek's water resources are impacted in two ways: degradation of water quality and marked fluctuations in water quantity. Both problems are associated with dysfunctional riparian systems. Water quality is impacted by excessive sediment and nutrient loads. Unhealthy riparian zones lack the ability to absorb nutrients from water column, trap sediment, resist stormwater erosive forces, and reduce storm water velocities. The excess sediment diminishes the quality of aquatic habitat for wildlife, such as macroinvertebrates, amphibians, and fish. Much of the sediment is eventually deposited at the mouth of the creek, which has led to the aggradation of the floodplain and loss of wetland habitat. Nutrients from fecal waste and fertilizers contribute to eutrophication of the streams. The resulting algae blooms deplete dissolved oxygen levels, which deleteriously affect aquatic wildlife. The watershed management plan will address the issues affecting water quality. Conservation practices used to reduce soil erosion will positively impact stream sediment levels. Riparian pastures and proper horse manure management will reduce nutrient loads in the stream, which will in turn lessen the density of algae masses and the resulting loss of dissolved oxygen during pre-dawn hours. The net result will be healthier riparian and aquatic communities.

The problems with water quantity has two aspects. The first, flooding, occurs regularly within the watershed. Unhealthy riparian zones in the upper portion of the watershed lack the ability to trap sediment and reduce the energy and velocities of storm event flows. Decreased infiltration rates and increased surface flows leads to greater surges in the amount of water flowing downstream during storm events. Years of increased erosion rates have lead to sedimentation at the mouth of the creek and the reduction of the floodplain. The result is seasonal flooding in downtown Martinez. The city of Martinez spends millions of dollars to clean up flood waters and sediment deposited on city streets. Local business are burdened by the flooding problems through loss of income, expensive clean up costs, and reduced property values. Although the watershed management plan is not designed to address the flooding problems per se, it is widely recognized that a healthy watershed is more likely to handle large storm events than a degraded one. The City of Martinez recently rejected the traditional "concrete" solution to their flooding woes and is trying to develop innovative ways to manage flood waters. Therefore taking a watershed focus is in their best interest for addressing their chronic flooding problems. The Alhambra Creek Watershed Planning Group is working closely with the City of Martinez to develop a flood control program throughout the watershed.

The second aspect to the problem of water quantity is the loss of summer surface flows. In many cases the loss of surface flows is due to the lack of healthy riparian corridors in many of the creeks within the watershed. The loss of surface flows creates barriers for the few remaining steelhead trout to migrate and spawn. As surface waters

become increasing rare, livestock and wildlife may tend to overutilize areas adjacent to the remaining water, creating a vicious circle of continued riparian degradation. This circle can be broken through the installation of water developments away from creeks and wetlands, proper salting practices, herding, and fencing infrastructures. The watershed management plan will address this issue. Completion of the plan will allow for a coordinated approach in the development of conservation plans within the watershed. These conservation plans are a requirement for receiving funding under the USDA's Environmental Quality Incentive Program (EQIP). Many ranchers, who are frequently cash strapped, rely upon USDA cost sharing programs (like EQIP) to install needed conservation infrastructures.

Land resources are also experiencing continued soil erosion. Upland soil erosion is mostly associated with pastures and residential development. Stream channel soil erosion is mostly a function of degraded riparian areas. The loss of soil affects the agricultural viability of the area, is a major component of water pollution, and contributes to the flooding of downtown Martinez. Upland soil erosion will be addressed through education outreach to horse owners, horse facility operators, cattle ranchers and residential developers. Erosion associated with stream channels will be addressed through development of riparian pastures systems for grazing, stream bank stabilization, and riparian restoration.

Another significant problem within the watershed is the threat of catastrophic wildland fire. Fire suppression, lack of grazing, and succession towards woodland communities has created substantial fuel loads. Creeping residential development toward these open spaces makes the implications of natural or human induced fires a serious threat to public safety. Furthermore the high intensity fires associated with shrublands and woodlands frequently create large bare areas covered with hydrophobic soils, which repel water from soil surfaces. The increased runoff and ensuing downslope soil erosion further complicate issues of water quality and flooding. The watershed management plan will address wildland fires through residential education efforts and development of sound grazing management plans to reduce fire fuel loads.

A final issue which is best addressed on the larger scale a watershed focus represents is the problem of diminishing wildlife habitat. The Alhambra Creek watershed supports a wide array of wildlife species including rare, threatened, and endangered species like steelhead trout, Sacramento perch, red legged-frogs, and California tiger salamanders. Proper management of the watershed will play a critical role in regional protection for these animal populations. Wildlife living in aquatic habitat are negatively affected by the problems associated with soil erosion and poor water quality. Alhambra Creek supported a commercial fishery for almost one hundred years before it collapsed in the 1950's. The potential for restoration of native fisheries is enormous. But upstream impacts must be addressed first. The mouth of the Alhambra Creek flows into a large marsh, critical habitat for a number of bird and mammal species. The health of this wetland is directly tied to the health of the stream, which in turn is tied to the health of the watershed as a whole. Indeed, each component of the watershed - air, soil, water, plants, wildlife, and people - are interconnected throughout the watershed. No one component can be truly healthy if the watershed as a whole is not healthy. This project will address the health of the Alhambra Creek watershed on a holistic basis. As a result each component will benefit.

e) Proposed Scope of Work

Task 1: Project management and Administration

Provide technical and administrative services; review work performed; coordinate budget and schedule; Administer subcontracts; write progress reports; conduct annual audit.

Task 2: Determine interest and feasibility of developing watershed management plan.

Contact and make presentations to citizens, landowners, community leaders, civic organizations, and local government officials to determine feasibility and interest. This task was completed in March, 1997.

Task 3: Inform landowners, citizens, and residents of intent to develop watershed plan

Create mailing list database of all landowners within watershed; plan initial public meeting; design, print, and mail fliers announcing public meeting; distribute press releases; create interactive agenda; conduct public meetings; produce and mail quarterly updates to watershed landowners.

Task 4: Conduct natural resources inventory and monitoring of the watershed.

Design geographical information system (GIS) database; obtain data and information; create layers for GIS database; conduct GIS modeling research existing information; write, edit, and publish written report; assess stream and riparian functioning using Rapid Riparian Assessment protocols; conduct water quality monitoring using volunteers.

Task 5: Form, train, and convene planning group.

Provide opportunity for citizens to join planning group; choose planning group members; train planning group members in fundamentals of CRMP process including consensus decision making; develop procedural guideline; convene planning group. This task was completed in July, 1997.

Task 6: Develop goals and objectives for the watershed plan.

Develop mission statement; develop natural resource management goals; develop measurable objectives for each goal; develop tools and mechanisms to achieve objectives.

Task 7: Write the watershed plan

Write draft plan; seek comments and edits from public and peers; write and publish final plan; periodically review and update plan.

f) Monitoring and Data Evaluation

Monitoring the effectiveness of the implementation of the watershed plan on water quality will require baseline data from which to compare changes. As part of the plan, Contra Costa RCD will coordinated volunteer monitoring using students and faculty from John Muir Jr. High School. QA/QC will be supervised by staff from Contra Costa RCD in conjunction with staff from the SFRWQCB.

The Natural Resources Conservation Service has chosen Alhambra Creek as a training site for teaching the Rapid Riparian Assessment protocol. Contra Costa RCD staff and local community leaders will work with staff from NRCS, USFS, and BLM to select sites for evaluation during training. Two training sessions per year are planned over the next two years. Local citizens will also learn the protocol, and will likely map the entire riparian corridor.

The final inventory and monitoring program will be the development of three GIS models. The first will create a more detailed slope model through the development of a triangulated integrated network (TIN). The second will use aerial photo interpretations to better assess the distribution and character of the riparian habitat associated with Alhambra Creek. This data combined with the results of the rapid riparian assessment protocol will give the planning group a detailed understanding of which riparian areas are in need of restoration and better management. The final model will assess the fire fuel load dangers throughout the watershed.

g) Implementability

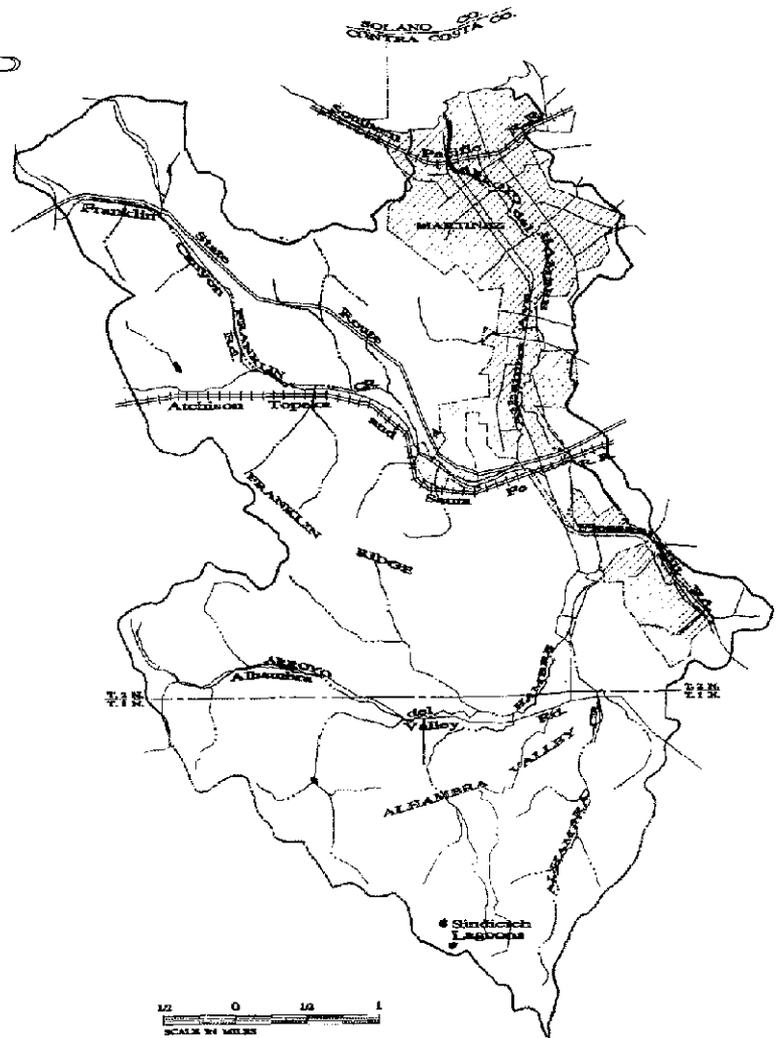
The Alhambra Creek watershed plan has received tremendous support from the landowners, residents, citizens, civic groups, and local government agencies. Over 125 people attended the first public meeting. The planning group consists of 29 local citizens representing a variety of interests, twenty of which own land and/or live within the watershed. In addition several public agencies support the planning group as technical advisors.

Contra Costa RCD has successfully facilitated the completion of many of the objectives associated with this project. The RCD has received two grants to support their efforts to develop the plan. The first grant, funded through the CA Dept. of Conservation, was implement on time and on budget. The second, funded through the CA Dept. of Forestry and Fire Protection, will begin in August. It is clear the watershed plan will be written. The strong citizen involvement and support will ensure that the plan will be implemented. Contra Costa RCD and the planning group's commitment to the CRMP process is critical to the success in implementing the plan. As the completion of the plan approaches, Contra Costa RCD will seek further funding to implement the plan.

ALHAMBRA CREEK WATERSHED
RESOURCES INVENTORY

LOCATION MAP

CONTRA COSTA COUNTY,
CALIFORNIA



U.S. Department of Agriculture
Natural Resources Conservation Service
Davis, California
Drawn By: J. M. Stone

FIGURE 1

IV. Costs and Schedule to Implement Proposed Project.

a. Budget Costs

Contra Costa RCD is requesting \$135,000 from the CALFED Category III funds to aid in the development of the a natural resources management plan for the Alhambra Creek watershed. With these funds Contra Costa RCD will hire a watershed coordinator who will dedicate his/her full time to the development of the plan. As this project is the development of a watershed management plan, the majority of the costs are associated with the participants time. Other costs include the augmentation of a geographical information system (GIS), purchase of a computer and associated software for the watershed coordinator position, and production of the plan once completed. Please see the four attached tables listing in detail the costs of the project. The first table lists the overall costs associated with the entire development of the plan. The second table lists costs already incurred by Contra Costa RCD and its cooperators in the progress made to date. The third table lists requests and committed matching funds for the current fiscal year (FY 97-98). The fourth table lists requests and committed matching funds for the next fiscal year (FY 98-99).

The development of the natural resources management plan for the Alhambra Creek watershed has involved a number of municipalities, agencies, organizations, and citizens. Unless otherwise known, Contra Costa RCD assigns the value of \$30/hr for participant's time involved with this project. Matching contributions far outweigh the requests for funds. It is estimated that \$320,000 will be contributed towards the project by its many cooperators. The majority of the matching funds are in-kind contributions. Please see the attached tables for detailed listings of matching contributions from others. Contra Costa RCD charges 12.5% overhead to compensate for infrastructural costs (rent, phone, fax) and additional costs associated with the administration of the grant (annual audits). There are no operation and maintenance costs associated with this project.

Task 1: Project Management and Administration

Costa associated with project management and administration include staff time, purchase of a computer and associated software for the newly created position, and rental of a photocopy machine. The RCD will provide matching contributions for staff and directors time. NRCS will provide vehicle use.

Task 2: Determine Interest

This task was completed in March 1997. Costs associated with this task included staff time to develop and give presentations to municipalities, community organizations, and individuals. A grant from the CA Dept. of Conservation provided for some funds, while CCRCD and others provided matching contributions as well.

Task 3: Inform Landowners

This task provides the critical link of maintaining communications with all of the landowners within the watershed. Initial contact with the landowners was accomplished in March 1997, with the first public meeting. DOC grant funds and matching contributions from Contra Costa County allowed the RCD to contact *all* landowners within the watershed. Contra Costa RCD requests additional funds to produce quarterly newsletters to be mailed to all landowners, as well as other interested parties.

Task 4: Conduct Inventory and Monitoring Program

As part of the planning process the NRCS conducted an inventory of existing information regarding the natural and cultural resources found within the watershed. The inventory produced two products: a written report and geographical information system (GIS). A grant from CA Dept. of Forestry is helping the RCD to augment the database further with the purchase of additional layers. NRCS is providing further matching contributions by choosing to use Alhambra Creek as a training site for teaching federal staff the Rapid Riparian Assessment Protocol. Contra Costa RCD requests additional funds to develop three GIS models, allow RCD staff to assist

in the Rapid Riparian Assessment training, and to design and implement a volunteer water quality monitoring program, working with 8th grade students at John Muir Junior High School.

Task 5: Form the Planning Group

This task was completed in July, 1997. The bulk of this task was accomplished through the completion of several meetings where the planning group structure, composition and procedures were determined. The DOC grant provided some of the funding, but the majority of the task was financed through in-kind matching contributions.

Task 6: Develop Goals, Objectives and Resource Tools

This task represents the heart of the CRMP process. Scheduled to begin in September, 1997 and take approximately 15 months, this task will require extensive commitments of time from RCD staff and planning group members. Contra Costa RCD requests funds to pay for the full time watershed coordinator to facilitate the planning group in developing the core of the watershed plan.

Task 7: Write the Watershed Management Plan

This task will begin in January 1999 and will conclude in June 1999. Contra Costa RCD requests funding for staff time to write the actual plan, incorporate edits, write the final plan and provide for production costs associated with the printing and distribution of the final plan.

b. Schedule Milestones

The development of the Alhambra Creek watershed plan began almost two years ago. Some of the tasks have already been completed. In December, 1996 Contra Costa RCD received a \$12,000 grant from the CA Dept. of Conservation. In completing the grant contract, Contra Costa RCD maintained its ambitious timeline throughout.

Task	Description	Start Date	Completion Date
Task 1	Project Management and Administration	December 1995	June 1999
Task 2	Determine Interest in Watershed Plan	January 1996	March 1997
Task 3	Inform Watershed Landowners	May 1996	June 1999
Task 4	Conduct Inventory and Monitoring	February 1996	June 1999
Task 5	Form Planning Group	March 1997	July 1997
Task 6	Develop Goals, Objectives, and Tools	September 1997	December 1998
Task 7	Write Watershed Plan	January 1999	June 1999

c. Third Party Impacts

Because the watershed plan has yet to be developed, it is impossible to quantify any potential third party impacts. Because the plan will be implemented on a *completely voluntary basis*, no negative third party impacts are anticipated. Some positive third party impacts may occur including improved property values due to improved natural habitats, reduction of flooding damages, and reduced risk of catastrophic wild fire within the watershed; improved financial opportunities for landowners to implement conservation plans associated with the watershed plan; and improved educational curriculum at John Muir Jr. High School through water quality monitoring.

Task #	Description	Hours	Salary & Benefits	Overhead	Service	Materials	Misc	Total
Task 1	Proj Mngt & Admin	620	\$ 10,943	\$ 1,972	\$ 9,609	\$ 3,500	\$ 5,638	\$ 31,661.24
	Requested	220	\$ 3,937	\$ 1,480	\$ 4,400	\$ 3,500	\$ -	\$ 13,316.74
	CCRCD Match	380	\$ 6,665	\$ 492	\$ -	\$ -	\$ 2,728	\$ 9,885.24
	DOC Grant	20	\$ 341	\$ -	\$ 2,569	\$ -	\$ 2,910	\$ 5,819.26
	NRCS	-	\$ -	\$ -	\$ 2,640	\$ -	\$ -	\$ 2,640.00
Task 2	Determine Interest	306	\$ 9,901	\$ -	\$ 50	\$ -	\$ -	\$ 9,951.25
	DOC Grant	45	\$ 767	\$ -	\$ -	\$ -	\$ -	\$ 767.25
	CCRCD Match	120	\$ 3,705	\$ -	\$ -	\$ -	\$ -	\$ 3,705.00
	NRCS	50	\$ 1,285	\$ -	\$ 50	\$ -	\$ -	\$ 1,335.00
	NPS	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	EBRPD	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	CCC	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	City of Martinez	5	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 150.00
	Central San Dist	6	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ 600.00
	UC Coop Ext	50	\$ 2,494	\$ -	\$ -	\$ -	\$ -	\$ 2,494.00
Task 3	Inform Landowners	726	\$ 20,153	\$ 2,165	\$ 3,508	\$ 10,740	\$ 43	\$ 36,808.93
	Requested	420	\$ 7,520	\$ 2,165	\$ 2,100	\$ 7,700	\$ -	\$ 19,485.52
	CCRCD Match	73	\$ 7,250	\$ -	\$ -	\$ -	\$ -	\$ 7,250.00
	DOC Grant	137	\$ 2,338	\$ -	\$ 848	\$ 908	\$ 43	\$ 4,134.63
	NRCS	20	\$ 630	\$ -	\$ -	\$ -	\$ -	\$ 630.00
	CCC	40	\$ 1,200	\$ -	\$ 520	\$ -	\$ -	\$ 1,720.00
	City of Martinez	0	\$ -	\$ -	\$ 40	\$ -	\$ -	\$ 40.00
	Env Alliance	5.5	\$ 550	\$ -	\$ -	\$ -	\$ -	\$ 550.00
	UC Coop Ext	30.5	\$ 667	\$ -	\$ -	\$ 2,132	\$ -	\$ 2,798.78
	Planning Group							\$ -
Task 4	Conduct inventory	3,178	\$ 81,793	\$ 4,309	\$ 51,288	\$ 3,861	\$ 672	\$ 141,923.04
	Requested	248	\$ 4,538	\$ 3,714	\$ 23,000	\$ 1,500	\$ 672	\$ 33,423.38
	CCRCD Match	480	\$ 8,513	\$ 595	\$ -	\$ -	\$ -	\$ 9,108.28
	DOC Grant	36	\$ 614	\$ -	\$ -	\$ 1,881	\$ -	\$ 2,474.80
	NRCS	1878	\$ 52,049	\$ -	\$ 8,288	\$ 500	\$ -	\$ 60,836.60
	NPS	0	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ 10,000.00
	EBRPD	0	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ 5,000.00
	CCC	0	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ 5,000.00
	Env Alliance	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Martinez School Dist	216	\$ 6,480	\$ -	\$ -	\$ -	\$ -	\$ 6,480.00
	Planning Group	320	\$ 9,600	\$ -	\$ -	\$ -	\$ -	\$ 9,600.00
Task 5	Form Plan Group	\$ 485	\$ 14,407	\$ -	\$ 240	\$ 85	\$ 415	\$ 15,148.90
	DOC Grant	\$ 73	\$ 1,249	\$ -	\$ -	\$ 65	\$ 400	\$ 1,713.70
	CCRCD Match	182	\$ 5,433	\$ -	\$ -	\$ 20	\$ 15	\$ 5,468.00
	NRCS	20	\$ 630	\$ -	\$ -	\$ -	\$ -	\$ 630.00
	NPS	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	EBRPD	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	CCC	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	City of Martinez	10	\$ 300	\$ -	\$ 240	\$ -	\$ -	\$ 540.00
	Env Alliance	10	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	UC Coop Ext	40	\$ 1,995	\$ -	\$ -	\$ -	\$ -	\$ 1,995.20
	Planning Group	120	\$ 3,600	\$ -	\$ -	\$ -	\$ -	\$ 3,600.00

Task #	Description	Hours	Salary & Benefits	Overhead	Service	Materials	Misc	Total
Task 6	Develop Goals & Objs	5,735	\$ 150,827	\$ 6,887	\$ 1,380	\$ 1,480	\$ 350	\$ 160,883.92
	Requested	2,445	\$ 43,621	\$ 5,741	\$ 500	\$ 1,480	\$ 350	\$ 51,672.24
	CCRCD Match	110	\$ 7,406	\$ 826	\$ -	\$ -	\$ -	\$ 8,331.68
	NRCS	220	\$ 6,600	\$ -	\$ -	\$ -	\$ -	\$ 6,600.00
	NPS	110	\$ 3,300	\$ -	\$ -	\$ -	\$ -	\$ 3,300.00
	EBRPD	110	\$ 3,300	\$ -	\$ -	\$ -	\$ -	\$ 3,300.00
	CCC	110	\$ 3,300	\$ -	\$ -	\$ -	\$ -	\$ 3,300.00
	City of Martinez	110	\$ 3,300	\$ -	\$ 880	\$ -	\$ -	\$ 4,180.00
	Env. Alliance	110	\$ 3,300	\$ -	\$ -	\$ -	\$ -	\$ 3,300.00
	UC Coop Ext	220	\$ 11,000	\$ -	\$ -	\$ -	\$ -	\$ 11,000.00
	Planning Group	2,190	\$ 65,700	\$ -	\$ -	\$ -	\$ -	\$ 65,700.00
		-						
Task 7	Write Plan	1,780	\$ 50,288	\$ 2,446	\$ 6,000	\$ 500	\$ -	\$ 59,211.46
	Requested	480	\$ 8,702	\$ 1,900	\$ 6,000	\$ 500	\$ -	\$ 17,102.60
	CCRCD Match	60	\$ 4,363	\$ 545	\$ -	\$ -	\$ -	\$ 4,908.88
	NRCS	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	NPS	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	EBRPD	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	CCC	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	City of Martinez	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	Env. Alliance	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	UC Coop Ext	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
	Planning Group	860	\$ 28,800	\$ -	\$ -	\$ -	\$ -	\$ 28,800.00
	Total Amount Requested	3,813	\$ 68,318	\$ 15,000	\$ 36,000	\$ 14,660	\$ 1,022	\$ 135,000
	Total Match	9,017	\$ 269,972	\$ 2,559	\$ 36,075	\$ 5,486	\$ 6,095	\$ 320,186
	Total Project Amount	12,830	\$ 338,290	\$ 17,559	\$ 72,075	\$ 20,146	\$ 7,117	\$ 455,187

Task #	Description	Hours	Salary & Benefits	Service	Materials	Misc	Total
Task 1	Proj Mngt & Admin	190	\$ 3,089	\$ -	\$ 2,569	\$ -	\$ 5,638
	DOC Grant	20	\$ 341	\$ -	\$ 2,569	\$ -	\$ 2,910
	CCRCD Match	160	\$ 2,728	\$ -	\$ -	\$ -	\$ 2,728
Task 2	Determine Interest	306	\$ 9,901	\$ -	\$ 50	\$ -	\$ 9,951
	DOC Grant	45	\$ 767	\$ -	\$ -	\$ -	\$ 767
	CCRCD Match	120	\$ 3,705	\$ -	\$ -	\$ -	\$ 3,705
	NRCS	50	\$ 1,285	\$ -	\$ 50	\$ -	\$ 1,335
	NPS	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	EBRPD	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	CCC	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	City of Martinez	5	\$ 150	\$ -	\$ -	\$ -	\$ 150
	Env Alliance	6	\$ 600	\$ -	\$ -	\$ -	\$ 600
	UC Coop Ext	50	\$ 2,494	\$ -	\$ -	\$ -	\$ 2,494
Task 3	Inform Landowners	250	\$ 7,033	\$ 1,408	\$ 3,040	\$ 43	\$ 11,523
	DOC Grant	137	\$ 2,336	\$ 848	\$ 908	\$ 43	\$ 4,135
	CCRCD Match	16.5	\$ 1,650	\$ -	\$ -	\$ -	\$ 1,650
	NRCS	20	\$ 630	\$ -	\$ -	\$ -	\$ 630
	CCC	40	\$ 1,200	\$ 520	\$ -	\$ -	\$ 1,720
	City of Martinez	0	\$ -	\$ 40	\$ -	\$ -	\$ 40
	Env Alliance	5.5	\$ 550	\$ -	\$ -	\$ -	\$ 550
	UC Coop Ext	30.5	\$ 667	\$ -	\$ 2,132	\$ -	\$ 2,799
Task 4	Conduct Inventory & Monitoring	1254	\$ 30,013	\$ 5,000	\$ 2,361	\$ -	\$ 37,374
	DOC Grant	36	\$ 614	\$ -	\$ 1,861	\$ -	\$ 2,475
	CCRCD Match	220	\$ 3,751	\$ -	\$ -	\$ -	\$ 3,751
	NRCS	998	\$ 25,649	\$ -	\$ 500	\$ -	\$ 26,149
	EBRPD	0	\$ -	\$ 5,000	\$ -	\$ -	\$ 5,000
Task 5	Form Plan Group	485.25	\$ 14,407	\$ 240	\$ 85	\$ 415	\$ 15,147
	DOC Grant	73.25	\$ 1,249	\$ -	\$ 65	\$ 400	\$ 1,714
	CCRCD Match	182	\$ 5,433	\$ -	\$ 20	\$ 15	\$ 5,468
	NRCS	20	\$ 630	\$ -	\$ -	\$ -	\$ 630
	NPS	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	EBRPD	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	CCC	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	City of Martinez	10	\$ 300	\$ 240	\$ -	\$ -	\$ 540
	Env Alliance	10	\$ 300	\$ -	\$ -	\$ -	\$ 300
	UC Coop Ext	40	\$ 1,995	\$ -	\$ -	\$ -	\$ 1,995
	Planning Group	120	\$ 3,600	\$ -	\$ -	\$ -	\$ 3,600
Task 6	Develop Goals & Objs	0	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	This Task will begin in September, 1997					
	CCRCD Match	Please see spread sheet on current and future year's requets for more information					
Task 7	Write Plan	0	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	This Task will begin in FY 1998 - 1999					
	CCRCD Match	Please see spread sheet on future year's requets for more information					
	DOC Grant	311.25	\$ 5,307	\$ 848	\$ 5,402	\$ 443	\$ 12,000
	Total Committed Match	2,174	\$ 59,117	\$ 6,800	\$ 2,702	\$ 15	\$ 67,634
	TOTAL	2,485	\$ 64,423	\$ 6,648	\$ 8,104	\$ 458	\$ 79,634

Task #	Description	Hours	Salary & Benefits	Overhead	Service	Materials	Misc	Total
Task 1	Proj Mngt & Admin	200	\$ 3,522	\$ 1,128	\$ 3,200	\$ 3,500	\$ -	\$ 11,349
	Requested	100	\$ 1,761	\$ 908	\$ 2,000	\$ 3,500	\$ -	\$ 8,168
	CCRCD Match	100	\$ 1,761	\$ 220	\$ -	\$ -	\$ -	\$ 1,981
	NRCS	0	\$ -	\$ -	\$ 1,200	\$ -	\$ -	\$ 1,200
Task 2	Determine Interest	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	THIS TASK WAS COMPLETED IN MARCH 1997						
	CCRCD Match	Please see spread sheet on money already spent on project for more information						
Task 3	Inform Landowners	204	\$ 5,569	\$ 921	\$ 900	\$ 3,300	\$ -	\$ 10,690
	Requested	180	\$ 3,169	\$ 921	\$ 900	\$ 3,300	\$ -	\$ 8,290
	CCRCD Match	24	\$ 2,400	\$ -	\$ -	\$ -	\$ -	\$ 2,400
Task 4	Conduct Inventory & Monitoring	1299	35153.57	3684.275	41500	9750	672	\$ 90,760
	Requested	120	\$ 2,216	\$ 3,361	\$ 23,000	\$ 1,000	\$ 672	\$ 30,249
	CCRCD Match	140	\$ 2,586	\$ 323	\$ -	\$ -	\$ -	\$ 2,909
	NRCS	432	\$ 12,960	\$ -	\$ -	\$ -	\$ -	\$ 12,960
	NPS	0	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ 10,000
	EBRPD	0	\$ -	\$ -	\$ 2,500	\$ -	\$ -	\$ 2,500
	CCC	0	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ 5,000
	City of Martinez	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Env Alliance	0	\$ -	\$ -	\$ 1,000	\$ -	\$ -	\$ 1,000
	UC Coop Ext	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Matinez School Dist	216	\$ 5,480	\$ -	\$ -	\$ -	\$ -	\$ 6,480
	Planning Group	320	\$ 9,600	\$ -	\$ -	\$ -	\$ -	\$ 9,600
	CDF Grant	71	\$ 1,311	\$ -	\$ -	\$ 8,750	\$ -	\$ 10,061
Task 5	Form Planning Group	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	THIS TASK WAS COMPLETED IN JULY 1997						
	CCRCD Match	Please see spread sheet on money already spent on project for more information						
Task 6	Develop Goals & Objes	2583	\$ 64,832	\$ 3,455	\$ 400	\$ 1,410	\$ 650	\$ 70,747
	Requested	1333	\$ 23,462	\$ 3,034	\$ -	\$ 660	\$ 150	\$ 27,306
	CCRCD Match	50	\$ 3,370	\$ 421	\$ -	\$ -	\$ -	\$ 3,791
	NRCS	100	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ 3,000
	NPS	50	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ 1,500
	EBRPD	50	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ 1,500
	CCC	50	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ 1,500
	City of Martinez	50	\$ 1,500	\$ -	\$ 400	\$ -	\$ -	\$ 1,900
	Env Alliance	50	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ 1,500
	UC Coop Ext	100	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000
	Planning Group	750	\$ 22,500	\$ -	\$ -	\$ -	\$ -	\$ 22,500
	CDF Grant	200	\$ 3,520	\$ -	\$ -	\$ 750	\$ 500	\$ 4,770
Task 7	Write Plan	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	THIS TASK WILL BE COMPLETED IN FY 1998 - 99						
	CCRCD Match	Please see spread sheet on future year's allocations for more information						
	Total Amount Requested (FY 97-98)	1,733	\$ 30,608	\$ 8,224	\$ 25,900	\$ 8,460	\$ 822	\$ 74,014
	Total Committed Match (FY-97-98)	2,553	\$ 78,468	\$ 965	\$ 20,100	\$ 9,500	\$ 500	\$ 109,533
	TOTAL AMOUNT (FY 1997 - 1998)	4,286	\$ 109,076	\$ 9,188	\$ 46,000	\$ 17,960	\$ 1,322	\$ 183,546

Task #	Description	Hours	Salary & Benefits	Overhead	Service	Materials	Misc	Total
Task 1	Proj Mngt & Admin	240	4,352	\$ 844	\$ 3,840	\$ -	\$ -	\$ 9,037
	Requested	120	\$ 2,176	\$ 572	\$ 2,400	\$ -	\$ -	\$ 5,148
	CCRCD Match	120	\$ 2,176	\$ 272	\$ -	\$ -	\$ -	\$ 2,448
	NRCS	-	\$ -	\$ -	\$ 1,440	\$ -	\$ -	\$ 1,440
								\$ -
Task 2	Determine Interest	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	THIS TASK WAS COMPLETED IN MARCH 1997						
	CCRCD Match	Please see spread sheet on money already spent on project for more information						
Task 3	Inform Landowners	272	7,552	\$ 1,244	\$ 1,200	\$ 4,400	\$ -	\$ 14,396
	Requested	240	\$ 4,352	\$ 1,244	\$ 1,200	\$ 4,400	\$ -	\$ 11,196
	CCRCD Match	32	\$ 3,200	\$ -	\$ -	\$ -	\$ -	\$ 3,200
Task 4	Conduct Inventory	1,232	\$ 34,017	\$ 625	\$ 8,288	\$ 500	\$ -	\$ 43,430
	Requested	128	\$ 2,321	\$ 353	\$ -	\$ 500	\$ -	\$ 3,174
	CCRCD Match	120	\$ 2,176	\$ 272	\$ -	\$ -	\$ -	\$ 2,448
	NRCS	448	\$ 13,440	\$ -	\$ 8,288	\$ -	\$ -	\$ 21,728
	Matinez School Dist	216	\$ 6,480	\$ -	\$ -	\$ -	\$ -	\$ 6,480
	Planning Group	320	\$ 9,600	\$ -	\$ -	\$ -	\$ -	\$ 9,600
Task 5	Form Plan Group	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Requested	THIS TASK WAS COMPLETED IN JUNE 1997						
	CCRCD Match	Please see spread sheet on money already spent on project for more information						
Task 6	Develop Goals & Obj's	3,152	\$ 85,995	\$ 3,212	\$ 980	\$ 800	\$ 200	\$ 91,187
	Requested	1,112	\$ 20,159	\$ 2,707	\$ 500	\$ 800	\$ 200	\$ 24,367
	CCRCD Match	60	\$ 4,036	\$ 504	\$ -	\$ -	\$ -	\$ 4,540
	NRCS	120	\$ 3,600	\$ -	\$ -	\$ -	\$ -	\$ 3,600
	NPS	60	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,800
	EBRPD	60	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,800
	CCC	60	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,800
	City of Martinez	60	\$ 1,800	\$ -	\$ 480	\$ -	\$ -	\$ 2,280
	Env. Alliance	60	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,800
	UC Coop Ext	120	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ 6,000
	Planning Group	1,440	\$ 43,200	\$ -	\$ -	\$ -	\$ -	\$ 43,200
Task 7	Write Plan	1,780	\$ 50,266	\$ 2,446	\$ 6,000	\$ 500	\$ -	\$ 59,211
	Requested	480	\$ 8,702	\$ 1,900	\$ 6,000	\$ 500	\$ -	\$ 17,103
	CCRCD Match	60	\$ 4,363	\$ 545	\$ -	\$ -	\$ -	\$ 4,909
	NRCS	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	NPS	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	EBRPD	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	CCC	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	City of Martinez	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	Env. Alliance	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	UC Coop Ext	40	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 1,200
	Planning Group	960	\$ 28,800	\$ -	\$ -	\$ -	\$ -	\$ 28,800
	Total Amount Requested (FY 97-98)	2,080	\$ 37,711	\$ 6,776	\$ 10,100	\$ 6,200	\$ 200	\$ 60,987
	Total Committed Match (FY-97-98)	4,596	\$ 144,472	\$ 1,594	\$ 10,208	\$ -	\$ -	\$ 156,274
	TOTAL AMOUNT (FY 1997 - 1998)	6,676	\$ 182,182	\$ 8,370	\$ 20,308	\$ 6,200	\$ 200	\$ 217,261

V. Applicant Qualifications

Contra Costa Resource Conservation District, founded in 1941, assists landowners with managing their natural resources to the best of their ability. Like other resource conservation districts in California, Contra Costa RCD is organized under Division LX of the State Resources Code. Working through cooperative, voluntary programs, Contra Costa RCD has provided technical advice and administer programs to conserve soil and water resources. Traditionally working with farmers and ranchers Contra Costa RCD has reached out to a wide variety of interest groups in recent years. Contra Costa Resource Conservation District has no conflict of interest with the goals and objectives of the CALFED Bay-Delta Program.

The District has five elected Directors, who play an active role in planning and implementing the Districts programs. Two of our Directors are engineers, one a Registered Professional Forester, one an entomologist, and another a local farmer. The District employs a full time Resource Conservationist and a half time Administrative Secretary. The Resource Conservationist implements all technical programs and public outreach activities. The Administrative Secretary manages the office and the District's finances. Acquisition of CALFED money will allow the District to hire a full time Watershed Coordinator, who will devote all of his/her time to the development of the Alhambra Creek watershed plan. The Watershed Coordinator will fulfill the project management role. Working with the planning group and the technical advisory committee he/she will facilitate the technical and administrative roles as well.

The resource conservationist, Cece Sellgren, is currently the project administrator for the development of the watershed management plan. She has a BA from UC San Diego in Ecology and Anthropology and a MS in Range Management from UC Berkeley. Her work experience includes four years with the National Park Service where she developed natural resources management plans and restoration plans, designed and implemented monitoring and inventory programs, and implemented natural resource management programs. Since joining Contra Costa RCD she has successfully obtained grant funding and implemented several programs including the Wildcat Canyon Grazing Demonstration Project, the CIMIS weather station, the Equestrian Facilities Project, and the Alhambra Creek watershed management plan.

The development of the Alhambra Creek watershed plan is a collaborative effort. Contra Costa RCD is working with several cooperators to create the natural resources management plan. The list of cooperators and their roles include:

- *Environmental Alliance* This non-profit environmental education organization was the instigator of the project. Members had been using Alhambra Creek as a model for the development of an environmental education curricula, called the *Creek Studies Guide*. Through their work in Alhambra Creek they came to understand the health of the creek is inextricably tied to the health of the watershed as a whole. Environmental Alliance played a critical role in the "market research" phase, provides program support, and is a member of the planning group.
- *Natural Resource Conservation Service* This federal agency has played a pivotal role in the development of the inventory of the watershed's natural resources. They continue to support the watershed plan in a variety of ways including providing support for GIS analysis and database management, acting as a member of the technical advisory committee, and providing logistical support for RCD staff.
- *UC Cooperative Extension Service* The Contra Costa County office have supported the watershed plan by providing facilitation services for public and planning group meeting, mailing fliers to watershed landowners, and providing logistical support to RCD staff.

- *East Bay Regional Park District* The park district has provided GIS data layers as part of the inventory of the natural resources within the watershed, and is a member of the planning group.
- *National Park Service* The John Muir Home National Historic Site is located within the watershed. The superintendent is a member of the planning group. The National Park Service GIS division has committed to digitize existing infra red data to be incorporated into the GIS database.
- *City of Martinez* The City of Martinez is providing space for public meetings and the planning group meetings. City staff serve a member of the planning group. Members of the City Council are monitoring the progress of the watershed plan, and occasionally meet with RCD staff.
- *Contra Costa County* The county is playing many roles within the watershed plan. The Assessors Office provided a listing of all landowners within the watershed. A staff person from Community Development is a member of the planning group. The Environmental Health and Public Works Divisions are acting as technical advisors. The Clean Water Program is monitoring progress, as the Alhambra Creek watershed plan is the first such effort made in Contra Costa County.
- *The Planning Group* Twenty four additional members of the planning group are dedicating their free time to develop the watershed management plan. They attend regular planning group meetings, organize tours of the watershed, consult with the interest groups they represent, and generally act like the community leaders they are.
- *Technical Advisory Committee* The technical advisory committee consists of fourteen natural resource professionals representing nine different federal, state, and local agencies. They play a critical role in assisting the planning group in developing a watershed plan which will fully comply with the complex web of federal state, and local environmental laws and regulations.

Contra Costa RCD has successfully implemented programs throughout its long history. The RCD worked cooperatively with the Soil Conservation Service and the Contra Costa Flood Control District to develop many of the flood control projects throughout the county. Contra Costa RCD was one of the first districts to apply new water conservation technologies to local farmers. Among the programs successfully implemented in the last fifteen years are:

- 1982 - 83 \$40,000 grant from San Francisco Regional Water Quality Control Board to develop Best Management Practices for agricultural activities. Grant products provided on time. (Contact Unknown)
- 1982 \$3,000 grant from California Dept. of Education to develop elementary level curricula for soil conservation. Curricula developed on time and in current use. (Contact Unknown)
- 1983 - Present Management of California Irrigation Management Information System (CIMIS) weather station to assist local farmers in proper application of irrigation water. Weather information provided to local newspapers for publication, related via computer network to all inquiring, and used regularly by local farmers to accurately estimate irrigation requirements. (Mark Rivera 916-227-7603)
- 1985 - 86 \$50,000 contract from Association of Bay Area Governments to develop educational materials discussing Best Management Practices for equestrian facilities. Contract completed on time. Pamphlet produced has been distributed throughout the State. (Contact Unknown)
- 1993 - 97 \$50,000 grant from San Francisco Estuary Program to install a grazing demonstration project at Wildcat Canyon Regional Park showing techniques to reduce water quality impacts from grazing and promote perennial grasslands. Grant was extended one year to allow for greater public outreach activities. Grant was completed within new time frame, despite change in personnel at a critical juncture. (Tim Vendlinski 415-744-1989)

- 1996 - 97 \$12,000 grant from California Dept. of Conservation to facilitate the formation of a citizens planning group to develop a watershed management plan for the Alhambra Creek watershed. Grant was completed on schedule and all project goals and objectives completely achieved. (Kathy Davis 916-327-2145)
- 1997 - Present \$39,000 grant from San Francisco Regional Water Quality Control Board to work with equestrian facilities to demonstrate ways to reduce water quality impacts from horse boarding facilities. Grant is part of a regional effort to educate horse owners and equestrian facility operators. Project involves cooperation of five Bay Area RCDs. Grant began July 1, 1997. (Dale Hopkins 510-286-4398)
- 1997 - Present \$15,000 grant from CA Dept. of Forestry and Fire Protection to augment GIS database of Alhambra Creek watershed and compensate staff time allocated to development of watershed plan. Grant scheduled to begin August, 1997. (Jim Geiger 916 -653-8286)

NONDISCRIMINATION COMPLIANCE STATEMENT

COMPANY NAME CONTRA COSTA RESOURCE CONSERVATION DISTRICT

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 <u>THOMAS D. BROMLEVE</u>	
DATE EXECUTED <u>JULY 24, 1997</u>	EXECUTED IN THE COUNTY OF <u>CONTRA COSTA</u>
PROSPECTIVE CONTRACTOR'S SIGNATURE <i>[Signature]</i>	
PROSPECTIVE CONTRACTOR'S TITLE <u>BOARD PRESIDENT</u>	
PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME <u>CONTRA COSTA RESOURCE CONSERVATION DISTRICT</u>	