

COVER SHEET (PAGE 1 of 2)

**May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION**

Proposal Title: Battle Creek Watershed Stewardship  
 Applicant Name: Battle Creek Watershed Conservancy  
 Mailing Address: P. O. Box 606, Manton, CA 96059  
 Telephone: 530-474-3966  
 Fax: 530-474-1112

Amount of funding requested: \$ 224,627.60 for 3 years

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

- |   |   |
|---|---|
| <input type="checkbox"/> Fish Passage Assessment  | <input type="checkbox"/> Fish Passage Improvements    |
| <input type="checkbox"/> Floodplain and Habitat Restoration                               | <input type="checkbox"/> Gravel Restoration           |
| <input type="checkbox"/> Fish Harvest   | <input type="checkbox"/> Species Life History Studies |
| <input checked="" type="checkbox"/> Watershed Planning/Implementation                     | <input type="checkbox"/> Education                    |
| <input type="checkbox"/> Fish Screen Evaluations - Alternatives and Biological Priorities |   |

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

- |   |   |
|---|---|
| <input type="checkbox"/> Sacramento River Mainstem              | <input checked="" type="checkbox"/> Sacramento Tributary: <u>Battle Creek Watershed</u> |
| <input type="checkbox"/> Delta                                  | <input type="checkbox"/> East Side Delta Tributary: _____                               |
| <input type="checkbox"/> Suisun Marsh and Bay                   | <input type="checkbox"/> San Joaquin Tributary: _____                                   |
| <input type="checkbox"/> San Joaquin River Mainstem             | <input type="checkbox"/> Other: _____   |
| <input type="checkbox"/> Landscape (entire Bay-Delta watershed) | <input type="checkbox"/> North Bay: _____   |

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

- |  |   |
|--|---|
| <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 type="checkbox"/> Late-fall run chinook salmon  | <input 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   |   |

## COVER SHEET (PAGE 2 of 2)

## May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION

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 checked="" type="checkbox"/> Non-profit |
| <input 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 type="checkbox"/> Planning   | <input checked="" 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 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.

*Laurie Burmash for Leland Davis*  
 (Signature of Applicant) 4/1/98

President, Battle Creek Watershed Conservancy

## II. Executive Summary

**Title: Battle Creek Watershed Stewardship**

**Applicant: Battle Creek Watershed Conservancy**

### **Project Description and Primary Biological/Ecological Objectives:**

Because of its high potential for restoration, Battle Creek is unique in the Sacramento River system. Were it not for hydropower diversions and fish hatchery operations Battle Creek could be a massive producer of spring/winter/fall/late-fall Chinook salmon as well as steelhead. The water-flow and fish-passage issues are being corrected under the auspices of the Battle Creek Working Group, at a very substantial cost.

The Battle Creek Watershed Conservancy is looking beyond the "plumbing" of the creek, to long-term protection of this investment through stewardship. The proposed tasks include direct ecosystem restoration (noxious weed abatement), protection against future ecosystem degradation (fuels management, conservation easements), improvement of degraded habitats, plus an outreach component.

While the ecosystem task will have a direct benefit to the salmonids and other denizens of our watershed, the political component is perhaps most important: if the local residents do not support the restoration of Battle Creek, then the salmon have a poor long-term outlook.

### **Approach/Tasks/ Schedule:**

The proposed tasks make extensive use of cooperating agencies and other entities for both planning and implementation. The following areas of work and related tasks were determined based on identified needs within the watershed, requests by landowners, and suggestions by professionals working with the Conservancy through the Battle Creek Working Group:

- **Watershed strategy implementation** - being developed from public input through the Battle Creek Watershed Project. It is clear that most residents want to keep the area much as it is now, and that they are interested in seeing the salmon return. This task involves implementing the strategy tasks, including education, historic documentation/recognition, and future project planning.
- **Upper watershed processes** - critical to salmonids. While close attention is given to lower Battle Creek flow and fish-passage problems, the Conservancy also proposes to look at other areas for future restoration, improved management, and protection needs.
- **Fuels management** - large areas have dangerously high fuel loads. Shaded fuel breaks and other vegetation management can reduce the risk of wildfire and reduce the likelihood of fine sedimentation. By providing such a clear benefit to the residents, fuels management will likely help involve them in other Conservancy programs.
- **Conservation easement planning** - most areas of lower and middle Battle Creek are in large land holdings, with ranching or low-impact land uses, which has maintained Battle Creek thus far. The most effective tool in the face of development pressure is the conservation easement. This task supports a planning effort to identify willing landowners.
- **Noxious weed control** - exotic plants pose a threat to the entire ecosystem, wildlife, and a danger to the continued use of ranchland for grazing.

**Justification for Project and Funding by CALFED:**

The proposed tasks support the investment currently being made in Battle Creek. Improvement, management, and protection of riparian and upland areas in all reaches of the watershed are needed. The expected high productivity of a restored Battle Creek for all types of Chinook salmon and for steelhead would be compromised over the long term by wildfire, meadow erosion, inappropriate land uses, intensive development, and other factors.

**Budget Costs and Third Party Impacts:**

The table shows proposed budgets by year for each of the five tasks. No negative third-party impacts are foreseen, and most tasks have positive local employment impacts for task implementation and monitoring.

Task	Year 1 budget	Year 2 budget	Year 3 budget	TOTAL
1. Watershed strategy implementation	5,500.00	28,936.00	24,696.00	59,132.00
2. Upper watershed processes	5,616.80	-	-	5,616.80
3. Fuels management program	86,842.80	27,775.00	24,073.00	138,690.80
4. Conservation easement program	3,209.60	-	-	3,209.60
5. Exotic weed abatement program	17,978.40	-	-	17,978.40
TOTAL ANNUALLY	119,147.60	56,711.00	48,769.00	224,527.60

**Applicant Qualifications:**

The Conservancy's Board of Directors includes concerned citizens and residents with broad experience in cattle ranching, ranch management, commercial forestry, aquaculture, environmental monitoring, and government contract management. The task collaborators, who will be heavily involved in task implementation, have extensive field experience in the types of projects proposed.

**Monitoring and Data Evaluation:**

Provision is made in each task for appropriate monitoring and re-evaluation, so that the efficacy of implementation can be judged, and implementation techniques can be revised as field results indicate. Monitoring necessity, techniques and implications need to be fully explained to watershed residents and landowners to alleviate fear of privacy invasion.

**Local Support/ Coordination with other Programs/Compatibility with CALFED objectives:**

The Conservancy is a local organization with a locally controlled agenda. Local support is both the source of the tasks in this proposal and the reason for those tasks: the Conservancy can encourage conservation measures in the watershed only through task implementation with support in the community, combined with benefits to the community. At the same time, successful implementation of such tasks may gradually win over some of those who see outside conservation activities as plots designed somehow to confiscate their water rights.

The proposed tasks, which are well coordinated with the work of the many agencies and stakeholders, primarily address the long-term protection of the riparian and upland areas of the watershed, which are critical to the functioning of the reaches of Battle Creek now being restored.

The proposed tasks directly support the primary CALFED objectives of water quality and habitat improvement, and indirectly (by delaying peak runoff) reduce the risk of levee failure.

## III. Title Page

**Battle Creek Watershed Stewardship**

- Watershed Strategy Implementation
  - Upper Watershed Processes
  - Fire Defense Improvements
- Conservation Easement Planning
  - Noxious Weed Controls

**Battle Creek Watershed Conservancy**

Leland Davis, President

PO Box 606, Manton, CA 96059  
530 474-3966(phone) 530 474-1112 (fax)

Non Profit, Public Benefit Corporation - Tax ID Number 68-0411734

Participants/Collaborators In Implementation	Watershed Strategy Implementation	Upper Watershed Processes	Fire Defense Improvements	Conservation Easements	Noxious Weed Controls
Battle Creek Watershed Project	X	X	X	X	X
CDF Shasta-Trinity Ranger Unit			X		
CDF Tehama-Glenn Ranger Unit			X		
Manton Volunteer Fire Department			X		
Mineral Hose Company #1			X		
Battle Creek Work Group (technical team for BC restoration)	X	X	X	X	X
USDA Natural Resource Conservation Service Red Bluff and Redding Field Offices	X	X	X	X	X
Tehama County Resource Conservation District	X	X	X	X	X
Western Shasta Resource Conservation District	X	X	X	X	X
U. S. Forest Service		X	X		X
Private Landowners	X	X	X	X	X
Tehama County Department of Agriculture					X
US Fish and Wildlife Service	X	X			X
California Department of Fish and Game	X	X			X
Bureau of Land Management					X
The Nature Conservancy				X	X

#### IV. Project Description

The Battle Creek Watershed Conservancy (BCWC) has benefited greatly from much of the recent planning work for the watershed. This is a significant departure from the basis of other Watershed Conservancies recently formed in the North State, enabling almost immediate, real work projects, deemed by many landowners as most appropriate uses of funding. Technical planning, through the Battle Creek Work Group, has brought together experts from numerous disciplines working to determine the best restoration actions for the anadromous fish passage and water flow issues in the system, and has brought focus to other significant issues. The role of the BCWC is to be involved with the planning of those restoration actions, through participation and involvement in the Battle Creek Work Group, and to broaden the scope of work to other issues on the land.

On-the-ground real work, visible immediately to all residents, is needed to provide examples of projects they may become involved with on their properties. Such work is deemed of significant value, whereas planning is often viewed as a less than essential expenditure. The goal for this scope of work is to balance work and planning in a way that is acceptable to the public.

#### **Project Description and Approach:**

The water of Battle Creek is abundant (250cfs) and cold (due to its hydrology); this water, as well as the riparian and upland areas of the watershed, is critical to the continued health of the system. The creek's ability to support a wild fishery is dependent on all of these factors.

The considerable expenditures budgeted to repair the plumbing problems of Battle Creek to increase available habitat for wild populations of Chinook salmon and steelhead may not ensure the continued health of the watershed. The BCWC's view is broader, looking at the overall health of the watershed, its natural resources, economic values, and the best ways to protect those values for the future.

**Task 1. Implement Watershed Strategy** - Implementation of the watershed strategy, a significant task for the BCWC, will help to direct the scope of work for the next several years. The strategy being developed by the Battle Creek Watershed Project (funded by CVPIA and CAT III), and presently one year prior to completion, will contain visions for the communities, including general comments such as "keep the areas/communities the way they are" and "bring back the fish." These very general comments have been repeated frequently during the series of meetings held in the watershed to date. The strategy will thus focus on many issues, which support these central themes. Staff will implement the watershed strategy under direction by the BCWC.

Education is the key to helping people, from landowners/residents of the area to county planners, understand what constitutes a healthy watershed. The needs of the fisheries, potential impacts of acres and acres of noxious and invasive weeds, the impact a conflagration might have on the area, require further explanation for the public to understand the relationship of these issues to a fully functioning watershed. How the existing natural resources can be best protected into the future while maintaining the economic viability of the area is a question that needs to be addressed. Education is the key to understanding these issues.

Community events and forums provide excellent opportunities to reach members of the community who have not been previously involved. Mailings about the BCWC may not have caught the attention of a landowner, while personal contact during such an event might. Klamath weed controls could be just the issue to open a dialogue with ranchers about other issues regarding the fishery: because their main concern, the viability of the ranch, is being addressed, they will be more likely to discuss and understand other issues impacting the watershed. When the door for conversation has been opened such issues as fish and the health of the watershed can be discussed. Often, until people see something which addresses their own self-interest, they refuse to become involved in a project. Opening doors to new ideas is essential to healing ills that now affect our landscapes and the watersheds, and to implementing the watershed strategy for Battle Creek.

The Salmon Festival, begun over 8 years ago in the lower reach of Battle Creek, is a perfect venue to provide the public with information on the status of the wild fishery as well as the hatchery operation at Coleman National Fish Hatchery (CNFH). Information, displays and other hands-on activities on the related restoration efforts, the importance of the health of the watershed and how they are all interrelated would all be important information for the public. Funding to support public information pertaining to these topics is included in the implementation of the strategy.

Education will include coordination with schools in the watershed, (there are 3 elementary schools, no high schools, serving approximately 900 students) through the existing AmeriCorps sponsored watershed projects in both Shasta and Tehama Counties. Schools have participated in the watershed project in past years and based on their budget capabilities, plan to participate in future years. The program provides a Community Coordinator to assist teachers with the curriculum (Adopt-A-Watershed and other), coordinate activities and field trips for the classrooms. Students participating learn from a watershed wide approach about natural resources.

Recognition for historic activities in the watershed is very important to residents of the area. As the lower and middle reach restoration efforts continue, appropriate ways to acknowledge the historic activities of early hydro and ranching development will be included.

Monitoring and perhaps studies will be needed for effective support of planning activities, including planning for funding of future projects. Again, the BCWC will emphasize on-the-ground actions; however, preliminary studies may be appropriate in some instances and are thus included in this task. All monitoring activities need to ensure protection of landowner privacy, protection from trespass, and release from liability. Much of the monitoring could be done by the landowner, with Global Information Systems (GIS) support. GIS support is currently available from CSU-Chico and additional GIS work is allocated for in the monitoring section, task 1.3.

It is essential to request funding for the implementation of the strategy, even though the strategy is not complete at this time. Support is required to continue the level of activity that has built in the past year during the infancy of the Battle Creek Watershed Conservancy and to increase the effectiveness of the organization. Although specifics of the strategy cannot be provided at this writing details will shortly become available and can be specified in an amended scope of work for this task, prior to completion of contracts.

**Task 2. Upper Watershed Processes** - Watershed processes, particularly in the upper watershed, will be the focus of convening a workgroup through the BCWC to determine a scope of work for these areas and approaches for action. Developing plans to work with private landowners requires time: time to develop rapport with interested landowners and time for them to gain a level of confidence with the individuals suggesting areas of work. Only after these goals have been accomplished can the work required developing a real plan be initiated and then finalized. Staff will initiate the workgroup and its tasks under direction of the BCWC.

The importance of the functions of upper watersheds has become more apparent as the CAL FED planning process proceeds. This task will be a significant step towards restoration work in the upper reaches of Battle Creek.

**Task 3. Fire Defense Improvements** - Accumulated fuel loads on the landscape surrounding communities in rural and sometimes inaccessible areas create prime conditions for the spread of a wild fire, which could escalate to a catastrophic fire. Actual restoration of wild spring-run Chinook salmon and steelhead could be significantly retarded by such a conflagration and the increased sediment resulting from such a disturbance could cause great detriment to several year classes of fish.

Staff will assist coordination between landowners and CDF to implement the fire defense improvements, and other related tasks under direction of the BCWC. Work will be contracted to Lassen National Forest for 3.2 and to CDF for 3.4,3.8,3.13, 3.15 and 3.16.

Providing fire defense improvements in the form of shaded fuel breaks in the watershed and implementing actions for the reduction of excessive fuel loads in the upper watershed could prevent such a catastrophic fire. Additionally, fire issues are of significant concern to most of rural California, including Battle Creek watershed residents. Such a program would foster the continued support of landowners with on-the-ground work through the demonstration project. Placement of additional shaded fuel breaks on the north side of the watershed in the Shingletown ridge area would add strength to the defensible spaces to hold fires. Through public outreach, clear links between the need and benefit of defensible spaces on small and large properties and the potential impact of a catastrophic fire in the watershed and its effect on the restoration activities would be emphasized, along with private responsibilities for same.

The fire defense improvement demonstration project in the Manton area would provide protections against wildfire traveling north toward Shingletown and would aid in preventing the spread of structure fires from the Manton community into the South Fork canyon area. Once a fire reaches that canyon it is a fairly straight chimney-like jump up the ravine to Mineral. Placement of shaded fuel breaks below Shingletown could help reduce fire spread into the North Fork areas. Maintenance of the fuel breaks would be initiated during Year Three, with subsequent maintenance work needed in following years. This project would be coordinated and put in place under subcontract with CDF.

Included in this task would be development of Vegetation Management Plans with willing landowners for improved fuel load conditions, which would, in addition, provide improved wildlife habitat and livestock forage. Controlled fuel management has become essential to reducing the chance for fires to devastate human interests, animals, and the ecosystem.

The Lassen National Forest (LNF) would conduct a Fuels Management Plan for the forest, under subcontract. Such an assessment ties directly to questions and concerns voiced during a recent tour on the south fork meadow below the LNF. Additionally LNF plans a road inventory and related appropriate actions for the same area, unrelated to this project.

**Task 4. Conservation Easements.** Conservation easements, which are probably the most satisfactory method for providing long-term protection to environmentally sensitive areas within the watershed, have the advantage that the cooperating landowner retains control of the land and can continue to make economic use of the land, subject to easement restrictions. In the Battle Creek watershed conservation easements are potentially valuable on ranch land with riparian frontage on salmonid habitat, on upland meadows tributary to salmonid habitat, and on other critical areas where development might threaten environmental values important to salmonids. Staff will implement the conservation easement planning under direction of BCWC.

Planning for conservation easements is a long and complex process. Each easement must be designed to meet the needs of the landowner as well as those of the environment. Fortunately preliminary discussions with landowners in the watershed indicate that there is substantial interest in conservation easements. This task provides funding to support meetings with small groups of landowners and with individual landowners. The goal is to find willing landowners and to develop easement strategies, which will be beneficial to both the landowner and the environment. It is anticipated that this task will involve cooperation with The Nature Conservancy. Funds for specific conservation easements will be sought at a later time.

**Task 5. Noxious Weed Controls** - Removal of noxious weeds is essential to prevent their further spread. Waiting on this issue would only increase the costs eventually involved in removal and may make control, let alone complete eradication, all but impossible.

Two plants are targeted at this time for control efforts in the Battle Creek watershed. Scotch Broom - *Cytisus scoparius* or French Broom - *Cytisus monspessulanus* and Klamath Weed or (St. Johnswort) - *Hypericum perforatum* pose somewhat different problems, broom being invasive and eliminating habitat for a variety of wildlife, while Klamath Weed is a threat to the livestock industry, as it can cause severe injury and displaces valuable forage.

**Broom**, a woody perennial up to 10 feet tall that invades disturbed areas i.e. roadsides, is a prodigious seed producer, up to 18,000 seeds per plant annually. It was introduced as an ornamental and later used for soil stabilization. It is a deep-rooted nitrogen fixer enabling it to establish in poor soils. Waxy coverings on branches help the plant survive dry conditions, thriving in both shade and sun. Its ability to colonize disturbed areas and thrive in cold climates (*it is an increasing problem in the Upper Blue Mountains of Australia*) both increase the potential spread to higher elevations, where it would impact forests. In native grasslands, dense brush fields of broom profoundly alter the appearance of the landscape and degrade habitat for wildlife. Broom is highly competitive and displaces native plant species. Seedpods explode when ripe with seed surviving up to 80 years. Plants along Battle Creek, its tributaries and the canal systems benefit from the water flow with additional seed dispersal. Broom also has a high resin level and burns with fury, even when green.

Broom is located near the valley floor around CNFH, in the NF in Shingletown (approx. 4,000'), and in the SF at Manton Rd. and in various locations throughout the watershed. Herbicidal control is possible but expensive, and would be of concern next to watercourses. Biological controls have been utilized in some areas, status unknown in Battle Creek watershed. The entire plant can be manually removed during wet months of the year.

**Klamath weed** is photodynamic, able to convert sunlight into energy (primarily heat) causing cellular damage and sunburn. Cattle and sheep are the most sensitive to this toxin, but swine and horses may also be affected.

Klamath weed is not palatable and is eaten only when better food is unavailable. Severe burn can occur to the point where large areas of skin peel off, is extremely painful, and predisposes the animal to infection. Affected animals may act abnormally and not want to eat due to the discomfort. The eyes may be affected; these animals may not be able to see.

**Current status** - both targeted weeds have benefited from two consecutive wet springs with resultant heavy seed crops. Particularly for Klamath weed, time is really of the essence. An explosion of plants is eminent, out-competing native plants and reducing forage for wildlife and the livestock industry.

The approach to controls will be multifaceted, including public outreach and actual removal programs by crews and through a community 'war on weeds day'. Tehama County Department of Agriculture will partner with the BCWC to provide biological control and will participate in the noxious weed committee. Monitoring will be necessary and will need to coincide with control activities.

Equipment for the project will entail weed pulling tools (for broom initially) which leverage the operators' ability to "pull" weeds out of the ground. Such equipment will be available to crews to do removal work and individuals for use on their own land. Biological controls will be used on Klamath weed.

Utilization of the watershed by diverse wildlife populations and the continued use of the land for agricultural interests will be directly linked to the continued success of those activities. The invasion of exotic weeds, altering the biodiversity of plants for forage could forever alter the use of the land. Lost deer habitat and reduced cattle production could all occur due to competition by exotic plants. Actions now could prevent future problems and changes in land use from large ranches to developments.

#### **Proposed Scope of Work:**

Areas of work and related tasks were determined based on identified needs within the watershed, requests by landowners for projects they would like to become involved in, and suggestions by professionals working with the BCWC through the Battle Creek Work Group. The planned schedule considers time of year for on-the-ground work and coordinates completion dates for most benefits of seasonally related work, (i.e. fire breaks in prior to fire season, not following the season). Additional consideration was given to available crew times for projects and seasonal growth of noxious weeds.

The following charts delineate tasks, completion dates, task descriptions, deliverables and budgets. Subtasks that could be reasonably separated from the rest of the task are so indicated at the bottom of each task box.

**Table 1: Task 1 subtasks, milestones, and budgets**

Completion Date	Task	Deliverable	Budget
9/30/01	<b>1.0 Implement Battle Creek Watershed Strategy</b> – will be finalized by June 15, 1999 (funded by CVPIA and Cat III funding)		<b>\$59,132.00 TOTAL</b>
6/30/01	<b>1.1 Initiate implementation of the Battle Creek Watershed Strategy</b> – developed by the Battle Creek Watershed Project with the Battle Creek Watershed Conservancy and the Tehama County and Western Shasta Resource Conservation Districts.	Implement Strategy for watershed.	12,036.00
8/30/01	<b>1.2 Implement recommendations for education</b> - school education, as well as lifelong learners (adults). Many areas for education; one focus will be the "wild side" of salmon life history, during the Fall Salmon Festival (2/years) and would include information on the impact of illegal harvest of species (i.e., one spawning pair produce up to 3,500 eggs)	Implement Education objectives.	20,624.00
6/30/01	<b>1.3 Implement recommendations for monitoring/studies</b> – details unknown at this writing (2/years)	Implement mon/study objectives.	10,424.00
6/30/01	<b>1.4 Implement recommendations for further planning</b> , for work projects etc: plan projects, coordinate with landowners, agencies, secure funding (2/years)	Implement planning processes.	8,024.00
8/30/01	<b>1.5 Implement recommendations for historic documentation/actions</b> (2/years)	Implement Historic objectives	8,024.00
Removing any of the subtasks would make it extremely difficult to accomplish the other tasks as they are interrelated with the exception of task 1.5. However, task 1.5 is viewed as an important public relations component of the overall task.			

**Table 2: Task 2 subtasks, milestones, and budgets**

Completion Date	Task	Deliverable	Budget
Sept 30, 1999	<b>2.0 Upper Watershed processes, preliminary planning</b> - develop plans for upper watershed restoration project(s). Work with cooperative landowners to develop restoration plans and develop needed funding <u>agreeable to owners' specifications.</u>		<b>\$5,616.80 TOTAL</b>
Dec. 15, 1998	<b>2.1 Establish upper watershed processes workgroup through BCWC</b> – with technical experts and interested landowners to determine feasible plans of action for upper watershed restoration needs throughout the Battle Creek watershed. Plans, and process of developing same, must be <b>compatible with landowner desires and specifications.</b> 3-4 meetings, 2-3 tours for yr. 1, – to develop preliminary recommendations for upper watersheds that would benefit from restoration activities, produce brochure with preliminary recommendations. Task includes suggestions for general upper watershed restoration activities, and initiating dialogues with landowners in the area for future projects.	Convene Workgroup, Meetings/ Tours held, Brochure printed.	4,413.20
Jan. 30, 1999	<b>2.2 Investigate funding sources for restoration actions</b> – develop list of direct landowner funding sources as well as sources for future BCWC work, provide assistance as appropriate to landowners to secure future funding.	Funding application submitted.	1,203.60
Removing any subtasks would make the task impossible to complete.			

Table 3: Task 3 subtasks, milestones, and budgets

Completion Date	Task	Deliverable	Budget
Sept. 30, 2001	<b>3.0 Fire Defense Improvements</b> – finalize evaluation of overall project, cite miles of shaded fuel break acres of Vegetation Management Plan (VMP), and other improvements on properties in the watershed.		<b>\$138,690.80</b> <b>TOTAL</b>
May 31, 1999	<b>3.1 Initiate Fuels Management Planning</b> - watershed wide with assistance of CDF, LNF, Manton Volunteer Fire Department, BCWC, landowners and residents, planning demo project related tasks	Fuels planning.	1,203.60
May 31, 2000	<b>3.2 Fuels study on the LNF portion</b> of watershed to identify areas with high fuel loading, and potentially erosive soils and stream and riparian assessment including stream card inventory, RHCA delineation, collection, analysis and field validation of existing data.	Fuels Mgt. Plan LNF.	32,281.80
May 31, 1999	<b>3.3 Evaluate additional funding requirements for future projects</b> – make application as appropriate	Submit Application.	601.80
June 30, 1999	<b>3.4 Initiate Demonstration Project</b> – Coordinate with CDF, related organizations and landowners for construction of 2.0 miles of 5.5-mile total project of shaded fuel break on south side of Manton community.	Construct Break.	14,189.40
June 30, 1999	<b>3.5 Extend shaded fuel break</b> – south east edges of Shingletown, to reduce wildfire spread on the north fork of Battle Creek, down slope from Shingletown and up slope from Manton 2.0 miles	Extend break	43,785.00
Sept. 30, 1999	<b>3.6 Establish Public Outreach Program</b> – education of property owner responsibilities and role in the bigger picture of prevention of a major fire within the watershed, delineate difference between catastrophic (i.e. Fountain Fire, 1992) vs. beneficial use of fire within the watershed.	Education activities.	2,887.20
May 31, 2000	<b>3.7 Initiate Pre-Fire Planning Process</b> – watershed wide community planning to aid fire/emergency personnel with strategic planning such as locations of historic sites, access to private properties, locations of most sensitive or restoration areas to avoid if possible.	Preliminary Pre-Fire Plan.	1,203.60
June 30, 2000	<b>3.8 Year 2 of Demonstration Project</b> – complete 2.0 miles of 5.5-mile total project of shaded fuel break in Manton community.	Construct break.	14,195.40
June 30, 2000	<b>3.9 Implement Phase 1 of Fuels Management Plan</b> – complete at least one VMP and expand shaded fuel break placements (contingent on future funding).	Complete VMP.	2,407.20
Sept. 30, 2000	<b>3.10 Increase Public Outreach</b> – increase involvement of public in maintenance of their own defensible spaces.	Education activities.	1,443.60
Sept. 30, 2000	<b>3.11 Evaluate Public Outreach program</b> – monitor changes in residents' actions on their properties.	Analysis.	601.80
Mar. 30, 2001	<b>3.12 Complete Pre-Fire Planning Process</b> – distribute plan as appropriate throughout watershed and to agencies.	Pre-Fire Plan.	721.80
June 30, 2001	<b>3.13 Complete Demonstration Project</b> – complete remaining 1.5 miles of 5.5 mile total project of shaded fuel breaks in Manton community.	Construct break.	14,195.40
June 30, 2001	<b>3.14 Implement Phase 2 of Fuels Management Plan</b> – complete at least one VMP, expand shaded fuel breaks placement (contingent on future funding).	Complete VMP.	1,805.40
June 30, 2001	<b>3.15 Maintenance of year 1 section of shaded fuel break</b> – provide maintenance as needed for first section of shaded fuel break constructed.	Maint. completed.	2,360.60
June 30, 2001	<b>3.16 Monitor all phases of fire defense improvements</b> – for effectiveness, primary and secondary benefits, adverse effects, impact/changes to habitat, forage, rate of re-growth. Investigate protocols for most appropriate monitoring.	Monitoring data and analysis.	4,807.20
	<b>Subtasks 3.2; 3.4, 3.8 and 3.13; or 3.5 could be separated from remainder of subtasks.</b>		

**Table 4: Task 4 subtasks, milestones, and budgets**

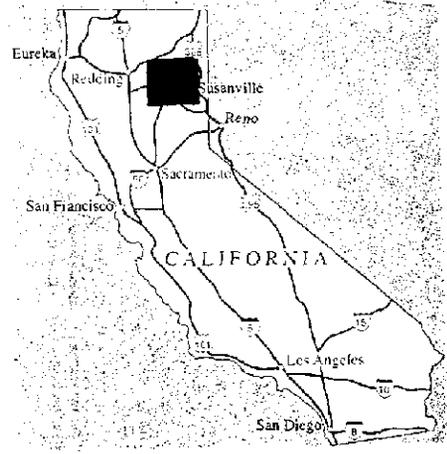
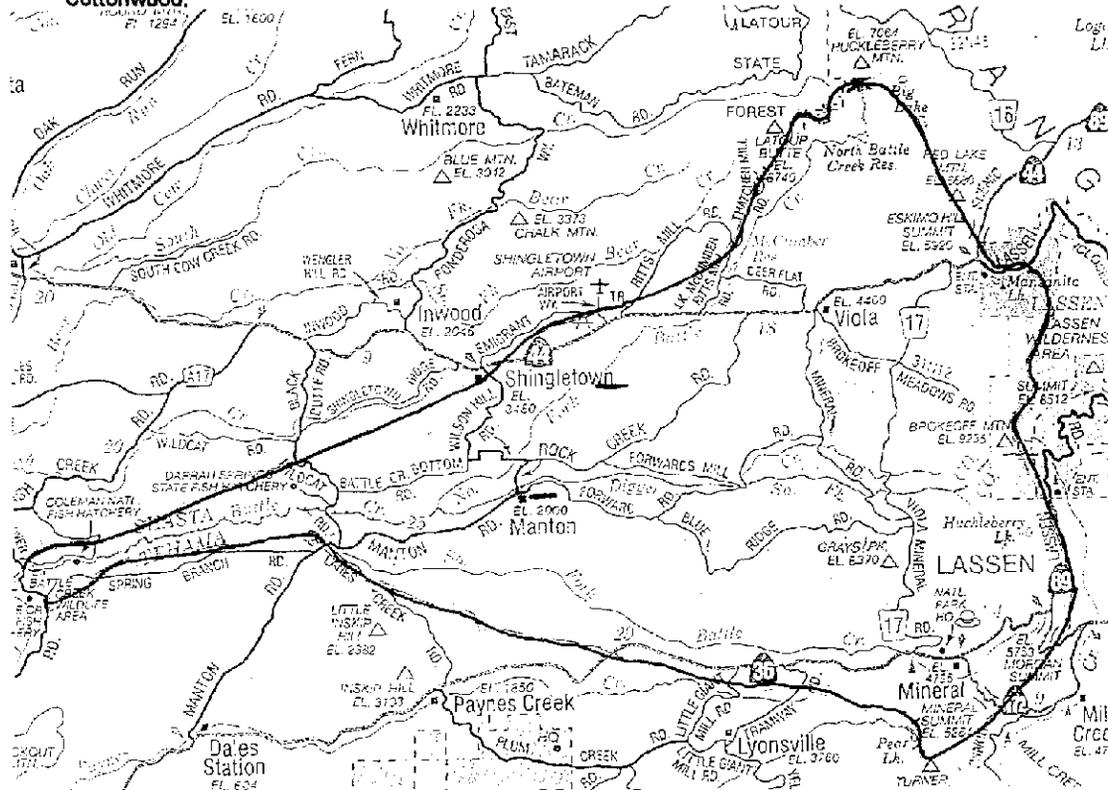
Completion	Task	Deliverable	Budget
Nov. 30, 1999	<b>4.0 Conservation Easement Planning</b>		<b>\$3,209.60</b>
			<b>TOTAL</b>
	4.1 <b>Develop plans for conservation easements with willing landowners</b> – coordinate with interested parties to provide information on possible easements, interface between interested landowners and required processes.		2,006.00
Nov. 30, 1998	4.2 <b>Provide information to landowners</b>		802.40
Nov. 30, 1999	4.3 <b>Monitoring component</b> statistical data of number of contacts made and frequency of contacts with landowners in the watershed indicating interest in conservation easements and requesting more information. Status in general terms of possible easements as arrangements are made.		401.20
	Removing any subtasks would make the task impossible to complete.		

**Table 5: Task 5 subtasks, milestones, and budgets**

Completion	Task	Deliverable	Budget
Sept. 30, 1999	<b>5.0 Noxious Weed Controls</b> – removal and control of noxious weeds within the Battle Creek watershed, with initial focus on Klamath weed and Scotch Broom.		<b>\$17,978.40</b>
			<b>TOTAL</b>
In progress	5.1 <b>Establish Committee, coordinate meetings</b> – identify and involve appropriate organizations, county and state agencies, and landowners to coordinate removal/controls, especially with those already working on lands in the watershed.	Committee meets at least 4x's.	1,604.80
Mar. 30, 1999	5.2 <b>Initiate monitoring</b> – photo monitoring on the ground, confer on additional ecological and biological monitoring, protocols, initiate prior to removal activities	Monitoring documents.	1,844.80
In progress	5.3 <b>Initiate Public Outreach Program</b> – landowners, residents, stakeholders and visitors for the identification of targeted plants and options for removal; utilize press releases, public information spots, BCWC newsletter and local publications, produce brochure regarding noxious weeds within the watershed.	Articles, brochure printed.	1,583.60
Throughout project	5.4 <b>Education for students in schools</b> – coordinate with AmeriCorps Tehama and Shasta County Watershed Programs, already working in schools throughout the watershed	Activities w/ students.	1,563.60
Feb 28, 1999	5.5 <b>Purchase equipment/supplies</b> – weed pullers (2 heavy duty 2 medium) Klamath weed beetles to treat up to 100 acres	Equipment	3,393.80
May 31, 1999	5.6 <b>Sponsor removal by crews in targeted areas</b> – provide for removal of 5 acres or more of noxious weeds in the watershed, by AmeriCorps Watershed Hand Crew, coordinate removal through other crews, through CDF and Sheriff's Department.	Acres removed.	3,601.80
May 31, 1999	5.7 <b>Sponsor a War on Weeds Day</b> with an incentive for actual removal of broom and Klamath weed from properties within the watershed	Plants removed.	3,603.60
July 30, 1999	5.8 <b>Complete noxious weed plan</b> – for both removal and future monitoring of weeds within the watershed.	Final Plan.	401.20
July 30, 1999	5.9 <b>Evaluate funding requirements for future projects</b> – make application as appropriate.	Submit Application.	401.20
	Subtask 5.7 could be separated from remainder of subtasks.		

**Location and/or Geographic Boundaries of the Project:**

Project areas are all within the Battle Creek Watershed, which lies in Shasta and Tehama Counties, Northern California and is a tributary to the Sacramento River. **Battle Creek watershed is approximately 320 square miles on the eastside of the valley, entering the Sacramento River approximately 5 miles southeast of Cottonwood.**



-  Shingletown Fuel Break
-  Manton Fuel Break
-  Watershed Boundary

**Expected Benefits(s):**

The overall expected benefit from the scope of work proposed is: 1) to accomplish real work to reduce stressors on the anadromous fishery in Battle Creek specifically, 'protect, restore and maintain ecological processes and functions in...' and... 'with local landowners to maintain and restore riparian communities'; 2) to plan future work to further reduce stressors and; 3) to set the stage for further cooperation by landowners as restoration efforts continue, further reducing stressors. Primary benefits will be for spring-run Chinook salmon and steelhead trout, with secondary benefits to winter-run Chinook salmon, fall and late-fall-run Chinook salmon.

The CALFED ERPP cited topics of water diversions; dams, reservoirs, weirs and other structures; and land uses are primary stressors addressed by the proposed scope of work. To help landowners understand why these are stressors to the fishery is a significant step to future cooperation and work. CALFED cites further the need to develop cooperative approaches, work with landowners, and promote rangeland practices and livestock stocking levels as important factors to be addressed. The scope of work in this project will begin addressing all of those issues. Prevention of illegal fish harvest would be best accomplished with willing landowners cooperating to help eliminate illegal takes within the watershed.

**Primary Stressors:** (Quoted from Volume II, ERPP Draft, March 1998)

**Water diversions** "develop a cooperative approach ...or acquire water rights to eliminate the need for diversion and screening". (pg. 185)

**Dams, reservoirs, weirs and other structures** "work with landowners.....to improve fish passage". (pg. 186)

**Land use** "promote rangeland management practices and livestock stocking levels to maintain high-quality habitat conditions for wildlife, aquatic and plant communities..... *Protect, restore and maintain ecological processes and functions in...* Battle Creek watershed by eliminating conflicts between land use practices and watershed health". (Pg. 186)

**Harvest of fish and wildlife** "control illegal harvest...". (Pg. 187)

**Species:**

**Primary benefit** - spring-run Chinook salmon, Steel head trout

**Secondary benefit** – winter-run Chinook salmon, fall and late-fall-run Chinook salmon

**Habitats:**

**Riparian and Shaded Riverine Aquatic Habitats** – "encourage the development of long-term measures in the comprehensive watershed management plan to further improve water temperature... ". (Pg. 184)

**Cooperatively negotiate long-term agreements** "with local landowners to maintain and restore riparian communities along the lower reaches of .....and Battle Creeks". (Pg. 184)

**Background and Ecological/Biological/Technical Justification:**

The goal of the Battle Creek Watershed Conservancy, as stated in the bylaws is "to restore and preserve the environmental and economic resources of the Battle Creek, California, watershed through responsible stewardship, liaison, cooperation, and education."

The Battle Creek watershed is considered to generally be in good health. The scope of work selected is intended to maintain the status and begin addressing issues/areas known to be in less than the best condition. It is important to keep in mind that cooperation by private landowners will be essential to the overall successful increases of wild salmon and steelhead in Battle Creek. One alternative is to do nothing at this time, which would create additional degradation of the ecosystem. Preventing the decline of both the

biodiversity and integrity of ecological processes and functions for future protections for the fishery seems to be significant justification for the planned areas of work.

**Ecosystem Restoration Program Plan Implementation Objectives:**

The scope of work for this project intends to address the following areas in several manners;

**Ecological processes** – Central Valley Stream flows (pg. 181)  
Natural Sediment Supply (pg. 182)  
Stream Meander (pg. 182)  
Natural Floodplain and Flood processes (pg. 183)  
Upper Watershed Processes (pg. 184)

**Habitats** – Riparian and Shaded Riverine Aquatic Habitats (pg. 184)

**Eliminating or Reducing Stressors** – Water Diversions (pg. 185)  
Dams, Reservoirs, Weirs, and Other Structures (pg. 185)  
Land Use (pg. 186)  
Harvest of Fish and Wildlife (pg. 187)

For some objectives, where direct work is not planned, the real work is to help the landowners and residents of the Battle Creek watershed understand the impacts, for instance of the stressors. Understanding how the stressors make an impact will help landowners understand their role and the importance of that role in the bigger picture, the health of the Sacramento River watershed and the tributary watershed they live within, Battle Creek. Education again will be the key to making real long-term changes to eliminate some stressors.

**Monitoring and Data Evaluation:**

Initial monitoring for both noxious weed, and fire defense improvements will include photo monitoring, rate of re-growth, and species established in the treated areas. Monitoring for implementation of the strategy, upper watershed processes and conservation easement planning will utilize statistical information regarding participation in the planning processes, and deliverables accomplished as ways to measure those tasks. Application for funding of a planned conservation easement or for a restoration project in the upper reaches of the watershed would be other monitoring tools for those tasks.

Monitoring will be designed with the assistance of resource personnel to ensure appropriate information is gathered, and the accuracy of the information will be ensured through training for any volunteer monitoring efforts.

**Implementability:**

Implementing the tasks of this proposed scope of work will be accomplished under the direction of the BCWC Board of Directors, with responsibility for accomplishing the scope of work being that of the Watershed Coordinator. CEQA compliance will be adhered to as necessary under the tasks, and letters of agreement with private landowners will be secured prior to any activities on private lands. Appropriate letters of agreement with holder of public lands will also be secured as appropriate.

Local support is evidenced by interest in the specific tasks planned under this project and the level of participation in numerous meetings and functions of the Battle Creek Watershed Conservancy, notably, over 100 attending the first annual meeting of the Conservancy and over 60 members within 3 months. Over 400 different individuals have participated in meetings throughout the watershed.

Support from both state and federal agencies will be forthcoming to the degree cited in this proposal. Actually, more assistance has been offered than will be utilized by this specific proposal and plans will continue to expand likely utilizing the offered assistance.

## V. Costs and Schedule to Implement Proposed Project

Phase/task	DirLabor hrs	DirSalary+Ben	G&A+Fee	Services	Materials	Misc+ODC	Task cost
<b>Task 1. Watershed strategy</b>							
1.1	600	\$10,200.00	\$1,836.00				\$12,036.00
1.2	400	\$6,800.00	\$3,324.00			\$10,500.00	\$20,624.00
1.3	400	\$6,800.00	\$1,624.00			\$2,000.00	\$10,424.00
1.4	400	\$6,800.00	\$1,224.00				\$8,024.00
1.5	400	\$6,800.00	\$1,224.00				\$8,024.00
<b>Task totals</b>	<b>2,200</b>	<b>\$37,400.00</b>	<b>\$9,232.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$12,500.00</b>	<b>\$59,132.00</b>
<b>Task 2. Meadow processes</b>							
2.1	220	\$3,740.00	\$673.20				\$4,413.20
2.2	60	\$1,020.00	\$183.60				\$1,203.60
<b>Task totals</b>	<b>280</b>	<b>\$4,760.00</b>	<b>\$856.80</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$5,616.80</b>
<b>Task 3. Fire defense</b>							
3.1	60	\$1,020.00	\$183.60				\$1,203.60
3.2	30	\$510.00	\$5,371.80	\$26,400.00			\$32,281.80
3.3	30	\$510.00	\$91.80				\$601.80
3.4	30	\$510.00	\$2,356.40	\$11,323.00			\$14,189.40
3.5	30	\$510.00	\$7,289.00	\$35,986.00			\$43,785.00
3.6	120	\$2,040.00	\$447.20			\$400.00	\$2,887.20
3.7	60	\$1,020.00	\$183.60				\$1,203.60
3.8	30	\$510.00	\$2,357.40	\$11,328.00			\$14,195.40
3.9	120	\$2,040.00	\$367.20				\$2,407.20
3.10	60	\$1,020.00	\$223.60			\$200.00	\$1,443.60
3.11	30	\$510.00	\$91.80				\$601.80
3.12	30	\$510.00	\$111.80			\$100.00	\$721.80
3.13	30	\$510.00	\$2,357.40	\$11,328.00			\$14,195.40
3.14	90	\$1,530.00	\$275.40				\$1,805.40
3.15	10	\$170.00	\$390.60	\$1,800.00			\$2,360.60
3.16	120	\$2,040.00	\$767.20	\$2,000.00			\$4,807.20
<b>Task totals</b>	<b>880</b>	<b>\$14,960.00</b>	<b>\$22,865.80</b>	<b>\$100,165.00</b>	<b>\$0.00</b>	<b>\$700.00</b>	<b>\$138,690.80</b>
<b>Task 4. Conservation easements</b>							
4.1	100	\$1,700.00	\$306.00				\$2,006.00
4.2	40	\$680.00	\$122.40				\$802.40
4.3	20	\$340.00	\$61.20				\$401.20
<b>Task totals</b>	<b>160</b>	<b>\$2,720.00</b>	<b>\$489.60</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$3,209.60</b>
<b>Task 6. Noxious weeds</b>							
5.1	80	\$1,360.00	\$244.80				\$1,604.80
5.2	80	\$1,360.00	\$284.80			\$200.00	\$1,844.80
5.3	60	\$1,020.00	\$243.60			\$300.00	\$1,563.60
5.4	60	\$1,020.00	\$243.60			\$300.00	\$1,563.60
5.5	10	\$170.00	\$562.80			\$2,661.00	\$3,393.80
5.6	30	\$510.00	\$591.80		\$2,500.00		\$3,601.80
5.7	60	\$1,020.00	\$583.60			\$2,000.00	\$3,603.60
5.8	20	\$340.00	\$61.20				\$401.20
5.9	20	\$340.00	\$61.20				\$401.20
<b>Task totals</b>	<b>420</b>	<b>\$7,140.00</b>	<b>\$2,877.40</b>	<b>\$0.00</b>	<b>\$2,500.00</b>	<b>\$5,461.00</b>	<b>\$17,978.40</b>
<b>Total</b>	<b>3,940</b>	<b>\$66,980.00</b>	<b>\$36,321.60</b>	<b>\$100,165.00</b>	<b>\$2,500.00</b>	<b>\$18,861.00</b>	<b>\$224,627.60</b>

Note: G&A+fee = 18% of salaries+fringes plus 20% of service contracts, materials, misc., and ODC.

CALFED funding for this project is essential. The Battle Creek Watershed Conservancy is supported by dues from membership, as this is the first year of the Conservancy, average income from dues is an unknown. The current Battle Creek Watershed Project funded by both CVPIA and Cat III will end mid summer 1999, which provides for a 3/5 time Watershed Coordinator. Staff to assist the volunteer Board of Directors is really critical. The interest in the issues is high, their commitment is strong, but they are volunteering their time and all have work and family obligations. To successfully maintain a strong organization requires funding. To effectively accomplish projects and the tasks set forth in this proposed scope of work requires funding. To move forward with meaningful adjustments of how mankind lives, works, and plays on the land and how that impacts the fishery and everything else requires support in the form of funding.

Every effort will be made to secure additional sources of funding to carry out other pieces of the work plans. This request is not for full funding for the organization and all of its tasks of work for the next 3 years. Support will likely continue from the existing sources, specifically the Resource Conservation Districts in both Tehama and Shasta Counties and from the USDA Natural Resource Conservation Service. Office space and related equipment is available for the current Battle Creek Watershed Project and hopefully will continue to be available.

Although small in amount next off of this press so to speak will be a request for additional support from BLM for their War on Weeds Mini-Grant in California. Within the state there is a total of \$15,000.00 this year. The point is to make it apparent that we are willing to seek funding from many sources if necessary to package the funding needed in this watershed.

**Scheduled Milestones:**

Schedule milestones are listed in Table 1 through Table 5, for the five tasks and the associated subtasks. The emphasis is placed on early fieldwork, so that the work done can serve to demonstrate the physical implementation to the local landowners. There is always a certain fear of the unknown operating, and the best way to overcome this fear is to have concrete examples of the fieldwork to show to other landowners that could possibly benefit from the conservation practice.

**Third Party Impacts:**

Third Party Impacts at this time are deemed to be beneficial, not negative impacts requiring mitigation. Most of the proposed fieldwork has a positive impact in the form of additional local employment. Such local employment not only helps the local economy, but it serves to "spread the word" about the nature of the work being done.

**VI. Applicant Qualifications**

The Battle Creek Watershed Conservancy is a qualified entity to receive funding for watershed work in Battle Creek. The organization is a non-profit, public benefit corporation. Capabilities to manage funds requested are in place. Necessary reportage will be handled internally with audit requirements accomplished by an independent entity.

Capabilities for sub contracting with the California Department of Forestry and Fire Protection and the Lassen National Forest are obvious. Both are entities involved in many sources of public funding and the related requirements to complete tasks.

The Watershed Coordinator, Laurie Aumack will be responsible directly to the Board of Directors of the Battle Creek Watershed Conservancy. Day to day operations will be the responsibility of that position, with policy and overall direction being set by the Board of Directors. Her experience includes community organizing with

the establishment of a successful Senior Citizens project and non-profit in Shasta County; grant fund management within the past 3 years and work during the past 18 months assisting to develop the now established Battle Creek Watershed Conservancy.

**VII. Compliance with standard terms and conditions**

The Battle Creek Watershed Conservancy will comply with all standard terms and conditions as required to accept the requested funding.

## U.S. Department of the Interior

**Certifications Regarding Debarment, Suspension and  
Other Responsibility Matters, Drug-Free Workplace  
Requirements and Lobbying**

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used or use this form for certification and sign. (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

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**PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions**

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*CHECKX IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE*

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
  - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

---

**PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions**

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*CHECKX IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE*

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

DE-2010  
 June 1986  
 This form replaces DE-1963, DE-1964,  
 DE-1965, DE-1966 and DE-1967

**PART C. Certification Regarding Drug-Free Workplace Requirements**

*CHECK  IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.*

**Alternate I. (Grantees Other Than Individuals)**

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
  - (1) The dangers of drug abuse in the workplace;
  - (2) The grantee's policy of maintaining a drug-free workplace;
  - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
  - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
  - (1) Abide by the terms of the statement; and
  - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification numbers(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
  - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
  - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)  
2 Sutter Street, Suite D  
Red Bluff, CA 96080

Check  if there are workplaces on file that are not identified here.

**PART D: Certification Regarding Drug-Free Workplace Requirements**

*CHECK  IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.*

**Alternate II. (Grantees Who Are Individuals)**

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

DR-2010  
June 1996  
(This form replaces DR-1963, DR-1964,  
DR-1965, DR-1966 and DR-1967)

PART E: Certification Regarding Lobbying  
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK  IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND  
THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT;  
SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

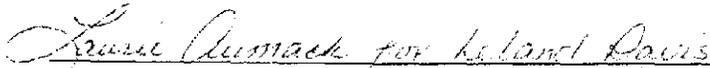
CHECK  IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL  
LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR  
SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

  
SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 4/1/98

Laurie Aumack for Leland Davis, President, Battle Creek Watershed Conserv-  
ancy

TYPED NAME AND TITLE

DATE

Figure 1  
Standard Form 424

APPLICATION FOR  
FEDERAL ASSISTANCE

OMB Approval No. 0348-0043

2. DATE SUBMITTED 7/1/98		Applicant Identifier N/A	
1. TYPE OF SUBMISSION: Application <input type="checkbox"/> Construction <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction <input type="checkbox"/> Non-Construction		3. DATE RECEIVED BY STATE N/A	
		State Application Identifier N/A	
		4. DATE RECEIVED BY FEDERAL AGENCY	
		Federal Identifier	
5. APPLICANT INFORMATION			
Legal Name: Battle Creek Watershed Conservancy    Organizational Unit: Non-profit Public Benefit Corporation			
Address (give city, county, state, and zip code): P. O. Box 606 Manton, CA 96059-0606		Name and telephone number of person to be contacted on matters involving this application (give area code): Laurie Aumack 530-527-3013 ex. 115	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 68 - 0411734		7. TYPE OF APPLICANT: (enter appropriate letter in box) <input type="checkbox"/>	
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award    B. Decrease Award    C. Increase Duration D. Decrease Duration    Other (specify):		A. State    H. Independent School Dist. B. County    I. State Controlled Institution of Higher Learning C. Municipal    J. Private University D. Township    K. Indian Tribe E. Interstate    L. Individual F. Intermunicipal    M. Profit Organization G. Special District    N. Other (Specify) <u>Non profit</u>	
		9. NAME OF FEDERAL AGENCY:	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: TITLE: N/A		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Watershed Stewardship, Battle Creek Watershed Northern California	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Tehama County and Shasta County			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF: #2 and #3	
Start Date	Ending Date	a. Applicant	b. Project
10/1/98	9/30/01	Battle Creek Watershed	Battle Creek Watershed Stewardship
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$ 224,627.60	a. YES: THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____	
b. Applicant	\$ .00	b. NO: <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
c. State	\$ .00	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?	
d. Local	\$ .00	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
e. Other	\$ .00	If Yes, attach an explanation	
f. Program Income	\$ .00		
g. TOTAL	\$ .00		
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED			
a. Type Name of Authorized Representative Laurie Aumack for Leland Davis		b. Title President	c. Telephone Number 530-474-3966
d. Signature of Authorized Representative <i>Laurie Aumack for Leland Davis</i>		e. Date Signed 7/1/98	

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Standard Form 424 (REV. 4-83)  
Prescribed by OMB Circular A-102

Figure 1  
Standard Form 424 (cont'd.)

INSTRUCTIONS FOR THE SF 424

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET, SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

- | Item:   | Entry:   |
|---|--|
| 1. Self-explanatory.  | 12. List only the largest political entities affected (e.g., State, counties, cities).   |
| 2. Date application submitted to Federal agency (or State if applicable) & applicant's control number (if applicable).  | 13. Self-explanatory.  |
| 3. State use only (if applicable).  | 14. List the applicant's Congressional District and any District(s) affected by the program or project.  |
| 4. If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank.  | 15. Amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change in an existing award, indicate <i>only</i> the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amounts are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15. |
| 5. Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application.   | 16. Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process.  |
| 6. Enter Employer Identification Number (EIN) as assigned by the Internal Revenue Service.  | 17. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes.  |
| 7. Enter the appropriate letter in the space provided.  | 18. To be signed by the authorized representative of the applicant. A copy of the governing body's authorization, for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)   |
| 8. Check appropriate box and enter appropriate letter(s) in the space(s) provided:<br><br>— "New" means a new assistance award.<br><br>— "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.<br><br>— "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation. |  |
| 9. Name of Federal agency from which assistance is being requested with this application.   |  |
| 10. Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested.   |  |
| 11. Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet. If appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project.   |  |

Figure 4  
Standard Form 424A (cont'd.)

SECTION C: NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.	\$	\$	\$	\$	
9.					
10.					
11.					
12. TOTAL (sum of lines 8 - 11)	\$	\$	\$	\$	
SECTION D: FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. NonFederal					
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$
SECTION E: BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (Years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$	
SECTION F: OTHER BUDGET INFORMATION					
21. Direct Charges:		22. Indirect Charges:			
23. Remarks:					

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Standard Form 424A (Rev. 4-92) Page 2

1-011057

1-011057

Figure 2  
Standard Form 424A (cont'd.)

INSTRUCTIONS FOR THE SF-424A

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0044), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET, SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

General Instructions

This form is designed so that application can be made for funds from one or more grant programs. In preparing the budget, adhere to any existing Federal grantor agency guidelines which prescribe how and whether budgeted amounts should be separately shown for different functions or activities within the program. For some programs, grantor agencies may require budgets to be separately shown by function or activity. For other programs, grantor agencies may require a breakdown by function or activity. Sections A, B, C, and D should include budget estimates for the whole project except when applying for assistance which requires Federal authorization in annual or other funding period increments. In the latter case, Sections A, B, C, and D should provide the budget for the first budget period (usually a year) and Section E should present the need for Federal assistance in the subsequent budget periods. All applications should contain a breakdown by the object class categories shown in Lines a-k of Section B.

Section A. Budget Summary Lines 1-4 Columns (a) and (b)

For applications pertaining to a single Federal grant program (Federal Domestic Assistance Catalog number) and not requiring a functional or activity breakdown, enter on Line 1 under Column (a) the catalog program title and the catalog number in Column (b).

For applications pertaining to a single program requiring budget amounts by multiple functions or activities, enter the name of each activity or function on each line in Column (a), and enter the catalog number in Column (b). For applications pertaining to multiple programs where none of the programs require a breakdown by function or activity, enter the catalog program title on each line in Column (a) and the respective catalog number on each line in Column (b).

For applications pertaining to multiple programs where one or more programs require a breakdown by function or activity, prepare a separate sheet for each program requiring the breakdown. Additional sheets should be used when one form does not provide adequate space for all breakdown of data required. However, when more than one sheet is used, the first page should provide the summary totals by programs.

Lines 1-4, Columns (c) through (g)

For new applications, leave Columns (c) and (d) blank. For each line entry in Columns (a) and (b), enter in Columns (e), (f), and (g) the appropriate amounts of funds needed to support the project for the first funding period (usually a year).

For continuing grant program applications, submit these forms before the end of each funding period as required by the grantor agency. Enter in Columns (c) and (d) the estimated amounts of funds which will remain unobligated at the end of the grant funding period only if the Federal grantor agency instructions provide for this. Otherwise, leave these columns blank. Enter in columns (e) and (f) the amounts of funds needed for the upcoming period. The amount(s) in Column (g) should be the sum of amounts in Columns (c) and (f).

For supplemental grants and changes to existing grants, do not use Columns (c) and (d). Enter in Column (e) the amount of the increase or decrease of Federal funds and enter in Column (f) the amount of the increase or decrease of non-Federal funds. In Column (g) enter the new total budgeted amount (Federal and non-Federal) which includes the total previous authorized budgeted amounts plus or minus, as appropriate, the amounts shown in Columns (e) and (f). The amount(s) in Column (g) should not equal the sum of amounts in Columns (e) and (f).

Line 5—Show the totals for all columns used.

Section B Budget Categories

In the column headings (1) through (4), enter the titles of the same programs, functions, and activities shown on Lines 1-4, Column (a), Section A. When additional sheets are prepared for Section A, provide similar column headings on each sheet. For each program, function or activity, fill in the total requirements for funds (both Federal and non-Federal) by object class categories.

Lines 6a-i—Show the totals of Lines 6a to 6i in each column.

Line 6j—Show the amount of indirect cost.

Line 6k—Enter the total of amounts on Lines 6i and 6j. For all applications for new grants and continuation grants the total amount in column (5), Line 6k, should be the same as the total amount shown in Section A, Column (g), Line 5. For supplemental grants and changes to grants, the total amount of the increase or decrease as shown in Columns (1)-(4), Line 6k should be the same as the sum of the amounts in Section A, Columns (e) and (f) on Line 5.

Line 7—Enter the estimated amount of income, if any, expected to be generated from this project. Do not add or subtract this amount from the total project amount. Show under the program

Figure 2  
Standard Form 424A (cont'd.)

INSTRUCTIONS FOR THE SF-424A

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions; searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0044), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

General Instructions

This form is designed so that application can be made for funds from one or more grant programs. In preparing the budget, adhere to any existing Federal grantor agency guidelines which prescribe how and whether budgeted amounts should be separately shown for different functions or activities within the program. For some programs, grantor agencies may require budgets to be separately shown by function or activity. For other programs, grantor agencies may require a breakdown by function or activity. Sections A, B, C, and D should include budget estimates for the whole project except when applying for assistance which requires Federal authorization in annual or other funding period increments. In the latter case, Sections A, B, C, and D should provide the budget for the first budget period (usually a year) and Section E should present the need for Federal assistance in the subsequent budget periods. All applications should contain a breakdown by the object class categories shown in Lines a-k of Section B.

Section A, Budget Summary Lines 1-4 Columns (a) and (b)

For applications pertaining to a single Federal grant program (Federal Domestic Assistance Catalog number) and not requiring a functional or activity breakdown, enter on Line 1 under Column (a) the catalog program title and the catalog number in Column (b).

For applications pertaining to a single program requiring budget amounts by multiple functions or activities, enter the name of each activity or function on each line in Column (a), and enter the catalog number in Column (b). For applications pertaining to multiple programs where none of the programs require a breakdown by function or activity, enter the catalog program title on each line in Column (a) and the respective catalog number on each line in Column (b).

For applications pertaining to multiple programs where one or more programs require a breakdown by function or activity, prepare a separate sheet for each program requiring the breakdown. Additional sheets should be used when one form does not provide adequate space for all breakdown of data required. However, when more than one sheet is used, the first page should provide the summary totals by programs.

Lines 1-4, Columns (c) through (g)

For new applications, leave Columns (c) and (d) blank. For each line entry in Columns (a) and (b), enter in Columns (c), (f), and (g) the appropriate amounts of funds needed to support the project for the first funding period (usually a year).

For continuing grant program applications, submit these forms before the end of each funding period as required by the grantor agency. Enter in Columns (c) and (d) the estimated amounts of funds which will remain unobligated at the end of the grant funding period only if the Federal grantor agency instructions provide for this. Otherwise, leave these columns blank. Enter in columns (e) and (f) the amounts of funds needed for the upcoming period. The amount(s) in Column (g) should be the sum of amounts in Columns (c) and (f).

For supplemental grants and changes to existing grants, do not use Columns (c) and (d). Enter in Column (e) the amount of the increase or decrease of Federal funds and enter in Column (f) the amount of the increase or decrease of non-Federal funds. In Column (g) enter the new total budgeted amount (Federal and non-Federal) which includes the total previous authorized budgeted amounts plus or minus, as appropriate, the amounts shown in Columns (c) and (f). The amount(s) in Column (g) should not equal the sum of amounts in Columns (e) and (f).

Line 5—Show the totals for all columns used.

Section B Budget Categories

In the column headings (1) through (4), enter the titles of the same programs, functions, and activities shown on Lines 1-4, Column (a), Section A. When additional sheets are prepared for Section A, provide similar column headings on each sheet. For each program, function or activity, fill in the total requirements for funds (both Federal and non-Federal) by object class categories.

Lines 6a-i—Show the totals of Lines 6a to 6i in each column.

Line 6j - Show the amount of indirect cost.

Line 6k - Enter the total of amounts on Lines 6i and 6j. For all applications for new grants and continuation grants the total amount in column (5), Line 6k, should be the same as the total amount shown in Section A, Column (g), Line 5. For supplemental grants and changes to grants, the total amount of the increase or decrease as shown in Columns (1)-(4), Line 6k should be the same as the sum of the amounts in Section A, Columns (e) and (f) on Line 5.

Line 7 - Enter the estimated amount of income, if any, expected to be generated from this project. Do not add or subtract this amount from the total project amount. Show under the program

Figure 2  
Standard Form 424A (cont'd.)

INSTRUCTIONS FOR THE SF-424A (continued)

narrative statement the nature and source of income. The estimated amount of program income may be considered by the federal grantor agency in determining the total amount of the grant.

Section C. Non-Federal Resources

Lines 8-11 Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet.

Column (a) - Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.

Column (b) - Enter the contribution to be made by the applicant.

Column (c) - Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies should leave this column blank.

Column (d) - Enter the amount of cash and in-kind contributions to be made from all other sources.

Column (e) - Enter totals of Columns (b), (c), and (d).

Line 12—Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f) Section A.

Section D. Forecasted Cash Needs

Line 13 - Enter the amount of cash needed by quarter from the grantor agency during the first year.

Line 14 - Enter the amount of cash from all other sources needed by quarter during the first year.

Line 15 - Enter the totals of amounts on Lines 13 and 14.

Section E. Budget Estimates of Federal Funds Needed for Balance of the Project

Lines 16-19 - Enter in Column (a) the same grant program titles shown in Column (a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants.

If more than four lines are needed to list the program titles, submit additional schedules as necessary.

Line 20 - Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

Section F. Other Budget Information

Line 21 - Use this space to explain amounts for individual direct project-class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

Line 22 - Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

Line 23 - Provide any other explanations or comments deemed necessary.

Figure 3  
Standard Form 424B

OMB Approval No 0348-0040

ASSURANCES — NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET, SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U. S. C. §4728-4763) relating to prescribed standards for merit systems for programs funded under one of the nineteen statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C. F. R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U. S. C. §1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U. S. C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U. S. C. §§101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

Figure 3  
Standard Form 424B (cont'd.)

- 9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a - 7), the Copeland Act (40 U.S.C. §§276c and 18 U. S. C. §§374), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally assisted construction subagreements.
- 10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
- 11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clear Air) Implementation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. §§ 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
- 12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
- 13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
- 14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
- 15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
- 16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§ 4801 et seq.) which prohibits the use of lead based paint in construction or rehabilitation of residence structures.
- 17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984 or OMB Circular No. A-133, Audits of Institutions of Higher Learning and other Non-profit Institutions.
- 18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL <i>James C. Wash for Robert Fox</i> 7/1/98	TITLE President
APPLICANT ORGANIZATION Battle Creek Watershed Conservancy	DATE SUBMITTED 7/1/98

Standard Form 424B (Rev. 4/92) back