

Wendy

99F-101

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

Proposal Title: Building strong leadership for restoration: Skill development and restoration education
 Applicant Name: Society for Ecological Restoration
 Mailing Address: Dept. EEB, University of Arizona, Tucson, AZ 85721
 Telephone: (520) 626-7201
 Fax: (520) 621-9190
 Email: dafaik@u.arizona.edu

Amount of funding requested: \$ 87,203 for 2 years

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

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

Does the proposal address a specified Focused Action? yes x no

What county or counties is the project located in? CALEED project region (Att A)

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

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

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

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

Specify the ERP strategic objective and target (s) that the project addresses. Include page numbers from January 1999 version of ERP Volume I and II:

VGL. 1: p. 297, 310 (Invasive Plants)

Draft Programmatic EIS/EIR: p. 658-666 (sec. 12.1);

p. 409 (sec. 8.1)

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):

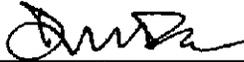
- | | |
|-------------------------------------|---|
| <input type="checkbox"/> Planning | <input type="checkbox"/> Implementation |
| <input type="checkbox"/> Monitoring | <input checked="" type="checkbox"/> Education |
| <input type="checkbox"/> Research | |

By signing below, the applicant declares the following:

- 1.) The truthfulness of all representations in their proposal;
- 2.) The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- 3.) The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) 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.

DONALD A. FAUK

Printed name of applicant



Signature of applicant

4.6 Proposal Completion Checklist

Once the applicant has prepared a proposal, CALFED staff suggest reviewing the following checklist to ensure that the proposal meets the requirements of this solicitation package and can be clearly understood by the technical review panels.

- Has the standard cover sheet (Section 4.5) been completed and attached to the front of the proposal? Is it signed?
- Have the page limitations for each section of the proposal been adhered to?
- Have the Minimum Requirements (Section 4.1) been addressed?
- Has local involvement been described and a copy of notification of the county included?
- Did you fill out the contract forms (Appendix D and E)?
- Is the hypothesis/question to be addressed by the proposal described clearly?
- Are the objectives of the proposal described clearly?
- Does the proposal show a clear link to the CALFED priority species and habitats?
- Does the proposal describe how the project meets ERP objectives and Strategic Plan goals?
- Does the proposal describe linkages to previously funded projects or previous phases?
- Does the proposal clearly lay out tasks, products, and timelines?
- Is the monitoring section clear and complete and address the hypothesis for the project?
- Does the proposal contain a budget for each task?

Title page

Title of project: Building strong leadership for restoration: Skill development and restoration education

Primary contacts: Donald A. Falk, Executive Director
Society for Ecological Restoration
c/o Department of Ecology & Evolutionary Biology
University of Arizona
Tucson, AZ 85721
Telephone 520.626.7201, Fax 520.621.9190
email dafalk@u.arizona.edu

David Self
President, Society for Ecological Restoration, California Chapter
SER-California
915 L Street, #C-104
Sacramento, CA 95814
714/751-7373, x2133
email dself@ips.net

Tax status: Tax-exempt organization, IRS code 501(c)(3)

Tax ID: 39-164-7554

References for the Society for Ecological Restoration:

Dick Daniel, CALFED (916/657-2666)
Gail Newton, California Department of Mines (916/323-8564)
Edith Read, Psomas, Inc. (714/751-7373, x2133)
John Rieger, CALTRANS (619/688-6754)
Bruce Pavlik, Mills College (510/430-2158)
Connie Millar, USDA Forest Service (510/559-6435)
Lucinda Jackson, Chevron, Inc. (510/242-1047)
Freeman House, Petrolia, CA (707/629-3442)



99F-101

**Executive summary: Building strong leadership for restoration:
Skill development and restoration education
Proposal to the CALFED Bay-Delta Program
By the Society for Ecological Restoration
April 1999**



The sustainability of California ecosystems in the coming century will rely on strong public support and involvement. The CALFED 1999 PSP observes (p. 29) that "... education programs are important to develop a broader understanding of natural resource conservation issues at the individual and community level."

Strong leadership will be needed to develop public support and involvement at the scale needed to protect the diverse ecosystems of the CALFED Bay-Delta region. These leaders will come from many part of society: community groups, citizen advisory councils, elected and appointed public officials, professional land management staff, technical consultants.

Such broad-based leadership is essential to the participatory nature of restoration. Restoration projects are only in part about ecological healing; they are also important ways to strengthen communities as well. As people come together to help repair a damaged landscape, they develop their sense of place; they also develop their sense of community. Thus, SER views restoration education as an opportunity not only to train people in technical skills, but more broadly to develop their leadership potential.

Restoration is a complex and rapidly expanding field, in which tools and techniques are changing continually. In order to fulfill their role in the restoration field, the emerging leaders must have access to the best information available. They must also have opportunities to interact with their peers from California and elsewhere, and settings where they can learn all that will be needed of them as they take on increasingly complex projects.

The purpose of the SER Restoration Training Program is to provide such opportunities. Through the Restoration Training Program (RTP), SER will offer a variety of resources that will help to develop the leaders of the restoration field in the coming decades.

In this CALFED-supported project SER will provide:

- **Training workshops and scholarships.** Workshops will be advertised to community and agency personnel engaged in CALFED, and scholarships made available for those who could not otherwise attend.
- **Specially-designed workshops for community leaders.** SER will develop 4 (four) workshops specifically designed for community leaders and volunteers in the CALFED region, on topics identified by the participants themselves.
- **Networking with other restorationists.** SER will provide complementary or reduced-rate registration to 45 (forty-five) community restorationists for the September 1999 annual conference at the San Francisco Presidio, giving them an unprecedented opportunity to interact with their peers from around the country, and to see and learn the state of restoration science and practice.
- **Free journal subscriptions.** SER will provide 15 (fifteen) complementary subscriptions to the leading journals in the restoration field, giving people continued access to the latest information and thinking.
- **Opportunities to present their own work, and receive expert technical peer critique.** CALFED grantees and community participants will be given the chance to present their work publicly to their peers. SER will organize an expert Peer Review Team to visit and critique 3 (three) restoration projects being conducted with CALFED support.

The scope of the project will be the CALFED PSP region¹. This focus will enable SER and its partners to deliver training, skill development, and leadership building specifically to advance the CALFED mission.

All work and financial commitments will commence only after a funding agreement has been signed between SER and the CALFED funding agency.

SER's proposal complies with all minimum requirements (PSP, Section 4.1).

The Society for Ecological Restoration is the oldest and largest scientific and professional organization in the restoration field. The project will be organized and delivered collaboratively by SER and its California chapter, SERCAL.

¹ Attachment A, *Ecosystem Restoration Projects and Programs: February 1999 Solicitation Package*. CALFED Bay-Delta Program, Sacramento, CA.

**Building strong leadership for restoration : Skill development and
restoration education**
**Proposal to the CALFED Bay-Delta Program by the Society for Ecological
Restoration, April 1999**

"The power of restoration is illustrated by major projects like the California Bay-Delta. For years and decades, we have been responding with piecemeal fixes: hatcheries, dams, fishways. Ultimately we've been driven to the reality of a systemic problem: the destruction of the wetland riverine ecosystem of the Central Valley of California and we're now verging on a consensus plan involving hundreds of millions of dollars each year to get at the basics and restore the rivers. The California Bay-Delta Program is one of the most important cooperative watershed programs in the entire country."

– Secretary of the Interior Bruce Babbitt, speaking at the 1998 annual conference of the Society for Ecological Restoration, Austin, Texas

Background and problem statement.

Most landscapes in California and the United States are a matrix of public and private ownerships. Public lands are themselves often a patchwork among federal, state, county, and local jurisdictions. Private ownership may include individuals, resource corporations, and private institutions as well as private conservation land.

All of these landowners, however, have one thing in common: they must work together if ecological sustainability is to be realized. The landscape cannot be managed in patchwork fashion, because landscapes are whole, interconnected entities. The CALFED program is nationally recognized as an innovative and visionary attempt to bring watershed and regional planning into the twenty-first century. With the completion of its *Strategic Plan for Ecosystem Restoration* (1998), CALFED has positioned itself to move ahead with a restoration program of unprecedented scale.

The Restoration Training Project.

Good restoration requires knowledge and experience. Much of the relevant experience can be obtained through months and years of practice, with vernacular knowledge acquired along the way. However, at some point in his or her career, most restorationists (including both professionals and volunteers) can benefit from training directed specifically to their needs and interests. In so doing, SER believes that their *commitment* to restoration will be solidified, and their *effectiveness* as implementers of the CALFED vision will be enhanced.

Through its Restoration Training Program, SER will provide training opportunities and skill development for CALFED community volunteers, stakeholders, grantees, and staff. SER will offer an integrated program of restoration training, education, and skill development, with CALFED support. The purpose of the SER Restoration Training Program is to provide a variety of resources that will help to develop the leaders of the restoration field for the coming decades.

Our deliverables in this CALFED-supported project will include the following (for summary please see *Table of Benefits*):

Training workshops and scholarships.

The SER Restoration Training Program emphasizes short courses and workshops.

SER has adopted this mode of teaching because our educational mission is to provide relevant knowledge and skills to people who may have other employment, or who can take only a limited time away from full-time restoration work to attend a training course. Training courses involve a blend of classroom teaching, practical hands-on exercises, and application of general principles to the particular local and regional ecosystems where the course is being taught.

- **Access to SER workshops.** SER will mail the course roster and schedule for the 1999 and 2000 Restoration Training Program to a jointly-agreed list of 4,000 CALFED grantees and cooperators. These mailings, which will be conducted following award notification, will alert CALFED restoration grantees and watershed implementation groups to opportunities to enhance their practical restoration skills and knowledge by workshop attendance. Workshop topics include restoration planning and design, riparian restoration, restoration of wildlife habitat, GIS and remote sensing applications, project budgeting, and grantsmanship and fundraising for community groups. Workshops are also available for many specific ecosystem types (e.g. California riparian areas, grasslands, and coastal sage scrub). The SER Restoration Program offers courses and workshops throughout the year, in collaboration with the California chapter (SERCAL).
- **Special conference workshops.** In conjunction with the 1999 Conference in San Francisco, a special series of workshops will be held both immediately prior to and following the main conference dates. These will include Riparian Restoration, Plant Salvage and Rescue, Restoration Project Budgeting and Planning, Eco-Cultural Aspects of Restoration, and a special workshop of Funding Your Community Restoration Project. CALFED support will enable community and watershed restoration leaders to attend; these will be included in the project provided that funding is committed before the meeting.
- **Restoration Training Scholarships.** SER recognizes that many people who would benefit from training may lack the financial resources for even modestly-priced workshops, especially if they are working as community volunteers. The objective of these Training Scholarships is to ensure that resources, especially for watershed and community groups do not limit access to training opportunities. SER will provide 12 (twelve) training scholarships to its workshops for CALFED community volunteers, cooperators, stakeholders, grantees, and staff. The intent of the Training Scholarship component of the CALFED-SER cooperation will be to identify those people who will benefit most from access to restoration training. Training Scholarships may be applied to workshops to be held in conjunction with the 1999 SER Conference, or at other times during the year.
- **Specially-designed workshops for community leaders.** One of the principles of continuing education is to provide the participants with the opportunity to articulate their own training needs and interests. SER will do just this, by polling the CALFED mailing list for topics of particular interest. SER will then develop a special two-day workshop addressing the particular training needs of CALFED community volunteers, stakeholders, grantees, and staff. These *client-designed* workshops may include modules for restoration planning, project design, and implementation, as well as topics such as grantsmanship and effective public outreach, and technical or scientific issues

for particular ecosystem types. SER will also work closely with CALFED staff to design the content of this two-day workshop, and ensure that it is optimally suited to advance the restoration mission of CALFED. Complimentary attendance will be provided for up to 35 CALFED staff, cooperators, or volunteers (SER prefers to limit workshop size so as to provide the highest quality experience). SER will offer these workshops 4 (four) times during the grant period, at four different locations in the CALFED Bay-Delta Project Region. Locations proposed to date are San Francisco, Sacramento, Marin, and Santa Clara Counties.

Networking, technical consulting, peer review, and publications.

- ***Networking with other restorationists.*** SER will provide complementary or reduced-rate registration to 45 (forty-five) community restorationists for the September 1999 annual conference at the San Francisco Presidio, giving them an unprecedented opportunity to interact with their peers from around the country, and to see and learn the state of restoration science and practice. The SER conference is the largest and most diverse meeting in the restoration field, drawing scientists, practitioners, and volunteers from around the world to share their experiences and ideas. The 1999 meeting has been scheduled at the San Francisco Presidio, Golden Gate National Park, for 23-25 September. The California conference committee anticipates that over 1,000 restorationists will attend. This meeting will give the restoration community in the CALFED Bay-Delta region an outstanding opportunity to present their own work, see presentations by leading practitioners and scientists, and to interact with their peers.
- ***Free journal subscriptions.*** Access to relevant knowledge and experience must be an ongoing process. SER will offer CALFED community volunteers, stakeholders, grantees, and staff ongoing access to the latest ideas in the field. SER publishes the primary peer-reviewed journal in the field (*Restoration Ecology*, Blackwell Science), and cooperates in the distribution of *Restoration & Management Notes* (University of Wisconsin Press), the oldest practitioner-oriented journal in the field. Under the terms of this grant, SER will provide complimentary subscriptions to 15 (fifteen) individuals, agency offices and community groups designated by CALFED.
- ***Expert technical peer critique of community projects.*** Restorationists often comment at SER gatherings that they could benefit from technical advice from experienced scientists and practitioners. Such technical consultations, however, are frequently unavailable or expensive. In recognition of the value of such interactions, SER will organize expert Peer Review Teams to visit 3 (three) restoration projects being conducted with CALFED support. These Review Teams will be composed of three-or more restoration practitioners experienced in the ecosystem or context relevant to the project. The Teams will spend at least one full day on-site, in addition to time reviewing project plans, research design, field methods, monitoring protocols and results, materials, tools, and other aspects. *In this way, SER can contribute directly to CALFED's achievement of the goal of adaptive management of restoration practice.* SER is prepared to expand this component of our project at CALFED's request.

Location and geographic boundaries. As a public restoration education project, the SER Restoration Training Program will make its offerings and services available throughout the CALFED Bay-Delta project region.

Proposal to the CALFED Bay-Delta Program
By the Society for Ecological Restoration
**Building strong leadership for restoration : Skill development and
restoration education**
10 April 1999

TABLE OF BENEFITS AND SERVICES

Please see text for detailed descriptions and background.

GRANT AMOUNT: \$87,203

TRAINING AND SKILL DEVELOPMENT

Access to workshops: SER mails special workshop schedule flier with CALFED logo to 4,000 CALFED cooperators (two mailings).

Restoration Training scholarships: Twenty-five (25) training scholarships for any regular SER workshop.

Special restoration training workshops for CALFED community leaders: SER consults with CALFED and conducts Needs and Interests survey to grantees, community leaders, and agencies on potential workshop topics, designs and offers special *CALFED cooperators' workshop* in Bay-Delta region. Complimentary open registration for up to 140 CALFED cooperators (see text for discussion).

Conference workshops: Workshops will also be opened to CALFED cooperators and grantees at the 1999 SER conference in San Francisco (provided grant award letter is signed before meeting).

Publications: Fifteen (15) one-year subscriptions to either journal, recipients designated by CALFED or by review process. Subscriptions intended for active CALFED cooperators, public agencies, or community groups.

NETWORKING AND TECHNICAL PEER REVIEW

Invitations to participate: SER mails to 4,000 CALFED cooperators.

Complimentary registrations including special events: Thirty CALFED cooperators provided with free conference attendance to all events.

Register at reduced member rate: Fifteen (15) additional CALFED cooperators entitled to register at reduced member rates.

Field trips: Twelve (12) complimentary field trip registrations.

Publications: Two one-year subscriptions to either restoration journal, recipients

SER-CALFED Proposal
Table of Benefits (p. 2)

designated by CALFED. Subscriptions intended for active calfed cooperators, public agencies, or community groups.

Technical Peer Review Teams: Three (3) projects receive peer review and critique by team of selected restoration practitioners and scientists (see text for details). Peer review includes site visits, review of design, methods, results, and materials.

Please consult with SER if reallocation of benefits is desired.

Ecological/biological benefits

Linkages.

The CALFED *Draft Programmatic EIR/EIS* cites public education and training frequently as essential goals to achieve lasting ecosystem protection (e.g. Sec. 12.1, pp. 658-666, Sec. 8.1, p.409; *ERP Appendix, Vol. 1*, pp. 297, 310). Clearly, any publicly-funded program requires education to help build the constituency. In addition, training of potential and emerging leaders is essential to securing the ecological benefits of site-based work.

The proposed program also links to other projects undertaken by SER under the Restoration Training Program. These include a national training needs assessment undertaken in 1996-7 with support from the Bureau of Land Management, and courses offered by RTP and SER's constituent chapters. The *SER Strategic Plan (1996)* recognizes education and training as one of the four primary goals of the Society.

Compatibility with CALFED objectives.

The sustainability of California ecosystems in the coming century will rely on strong public support and involvement. The CALFED [doc] observes {insert}:

Strong leadership will be needed in order to develop the public support and involvement at the scale needed to protect the diverse ecosystems of the CALFED Bay-Delta region. These leaders will come from many part of society: community groups, citizen advisory councils, elected and appointed public officials, professional land management staff, technical consultants. Without a firm base of public support, no amount of technical "fixing" of ecosystems will be of lasting value. SER is committed to developing *both* the technical skills, and broad public support, for the work of restorationists in the coming century.

SER believes that restoration practitioners working in urban and rural areas have strong potential affinities with their peers working in other regions. Thus, in addition to providing the emerging leadership in the CALFED Bay-Delta region with needed training and skills, SER also seeks to empower them by helping them to make connections with others in the restoration field. Many local restorationists work in great isolation; part of SER's goal in the current project is to overcome that isolation, and to bring community restorationists together.

Such broad-based leadership is essential to the participatory nature of restoration. Restoration projects are only in part about ecological healing; they are also important ways to strengthen communities as well. As people come together to help repair a damaged landscape, they develop their sense of place; they also develop their sense of community. Thus, SER views restoration education as an opportunity not only to train people in technical skills, but more broadly to develop their leadership potential.

The era in which land managers can make decisions without significant public involvement is over. In the future, regional programs such as CALFED will rely on an educated and involved public for support and participation. SER's goal is to help prepare the community to play this role.

Restoration is a complex and rapidly expanding field, in which tools and techniques are changing continually. In order to fulfill their role in the restoration field, the emerging leaders must have access to the best information available. They must also have opportunities to interact with their peers from California and elsewhere, and settings where they can learn all that will be needed of them as they take on increasingly complex projects. The ***Technical Peer Review Teams*** are designed specifically improve the ecological benefits derived from restoration projects, by capitalizing on the skills and knowledge of experienced scientists and practitioners.

Technical feasibility and timing

Feasibility.

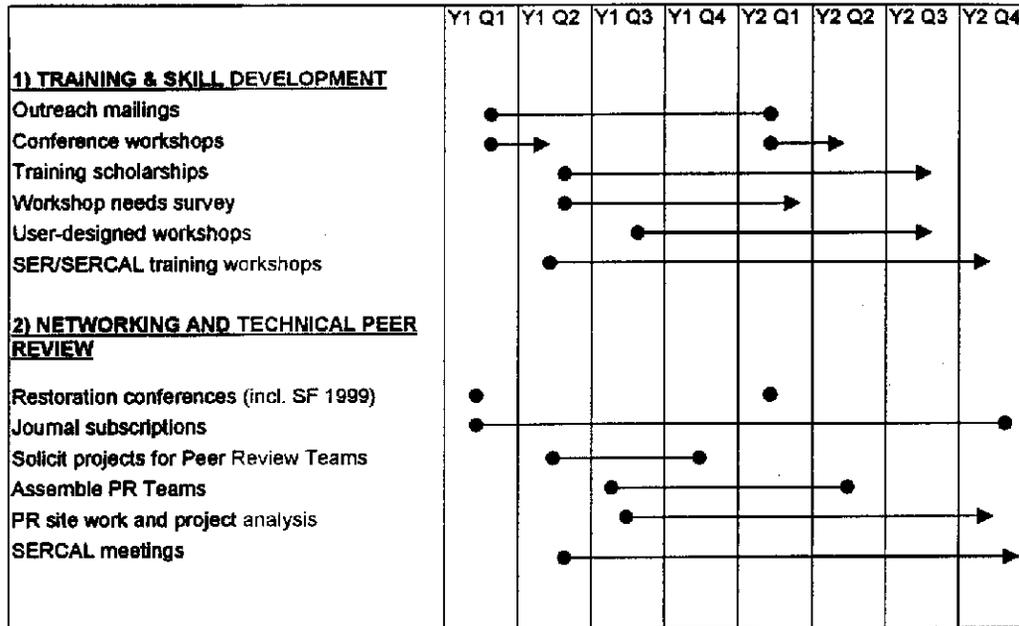
SER has been managing restoration training programs since 1997, when we first began to offer training workshops nationwide. We operate workshops typically on a 6-month schedule beginning with an agreement with the local cooperator. This lead time provides adequate time to promote and publicize the event, secure all needed logistic facilities for the venue, and allow participants and instructors sufficient time to prepare.

SER has a regular business office (Madison, Wisconsin) which provides all accounting and financial services. The SERCAL chapter office (Sacramento, CA) will coordinate regional publicity. All workshops will be offered jointly by SER and SERCAL workshop programs. Both entities have extensive experience organizing and implementing workshop and training programs.

Timing.

SER proposes a 24-month timetable to fulfill the objectives outlined in this proposal (see *Project Timeline*, attached). We believe that this timetable will allow sufficient time to deliver a high quality series of deliverables to CALFED and the regional public.

Society for Ecological Restoration
PROJECT TIMELINE
 April 13, 1999



Monitoring and evaluation

Although the proposed project is one of environmental education, SER believes that a rigorous and thoughtful evaluation process should be integral to the Restoration Training Program. We regularly prepare, collect, and analyze user evaluations to help us improve our teaching program (see sample evaluation form, attached).

Every participant in the workshops, conference sessions, field trips, and peer review panels described in this proposal will be asked to complete an evaluation form. We have found on-site evaluation to be superior, because the ideas and impressions are fresh, and suggestions for improvement generally more concrete and useful. Results of these forms will be provided to CALFED as part of our regular reporting requirements.

SER will manage the Restoration Training Program for CALFED in an adaptive and interactive fashion. Certain phases of the project (e.g. the courses specially designed in response to CALFED participants' suggestions) will already reflect substantial local involvement. Other activities (such as the Peer Review Teams) will also be developed in collaboration with the participants. We will use the evaluation process as a means of gauging whether SER has succeeded in developing and delivering the highest possible quality services to the public.

----- SER Workshop Evaluation Form -----

Society for Ecological Restoration
Restoration Training Program

Workshop Evaluation

Please return by DATE to: Julie St. John, (SER Publications & Training Coordinator) c/o CPSU by email: Julie_St_John@usgs.gov / fax: 520-670-6525 / post: 1415 N 6th Ave, Tucson AZ 85705

Workshop:
Date:

WORKSHOP

1. How did you hear about this workshop?
2. What were your expectations of the workshop and were they met?
3. Did the information you received about the workshop clearly and accurately describe what you experienced? If not, what information would have been helpful?
4. Please describe your experience/knowledge in regards to the workshop topic?
5. Was the workshop appropriate to your knowledge level?
6. What in the workshop was most/least helpful or of interest to you?
7. Do you have any suggestions for change in format which would improve the workshop offering?
8. Did the workshop achieve a good balance between topic(s) covered and time? Between class time and field time?
9. Did the workshop appropriately cover the subject matter. If not, what additional subject areas might be included?
10. Would you recommend this particular workshop to a colleague? If so, please briefly describe who you think would benefit from taking this course.

INSTRUCTOR: NAME	(circle one)	Excellent =1	2	3	4=Poor
11a. Instructor preparation		1	2	3	4
12a. Knowledge of topic		1	2	3	4
13a. Teaching style		1	2	3	4
14a. Use of audio/visual aids as a learning tool		1	2	3	4
15a. Use of exercises as a learning tool		1	2	3	4
16a. Use of field trips as a learning tool		1	2	3	4
17a. Usefulness of handout materials		1	2	3	4
18a. Overall impression		1	2	3	4

INSTRUCTOR NAME	(circle one)	Excellent = 1	2	3	4 = Poor
11b. Instructor preparation		1	2	3	4
12b. Knowledge of topic		1	2	3	4
13b. Teaching style		1	2	3	4
14b. Use of audio/visual aids as a learning tool		1	2	3	4
15b. Use of exercises as a learning tool		1	2	3	4
16b. Use of field trips as a learning tool		1	2	3	4
17b. Usefulness of handout materials		1	2	3	4
18b. Overall impression		1	2	3	4

Additional comments:

FACILITIES (circle one)	Excellent = 1	2	3	4 = Poor
19. Audio/visual equipment	1	2	3	4
20. Classroom lighting	1	2	3	4
21. Classroom heating/cooling	1	2	3	4
22. Classroom acoustics	1	2	3	4
23. Food/beverages services (if applicable)	1	2	3	4
24. Hotel accommodations (if applicable)	1	2	3	4
25. Overall impression	1	2	3	4

Additional comments:

ADMINISTRATION (circle one)	Excellent = 1	2	3	4 = Poor
26. Usefulness of course description in decision-making	1	2	3	4
27. Registration process	1	2	3	4
28. Lead time	1	2	3	4
29. Getting additional information	1	2	3	4
30. Ease of finding & getting to workshop facility	1	2	3	4
31. Smoothness of field trip experience	1	2	3	4
32. Overall impression	1	2	3	4

Additional comments:

FINALLY

33. Are you a member of SER, and if not, would you like to receive information on membership?
(Please include appropriate postal, telephone/fax and email information below)

34. SER is working to provide you with the workshops & curriculum you need.
Are there topics or specific workshops you would like to see us add to the curriculum?

If so, can you recommend specific locations, facilities or instructors?

35. When attending a workshop, how important is it for the workshop to be near where you live or work?

36. Did participating in this workshop affect your view of SER and its Restoration Training Program?
(If you would like a response to this answer, please indicate with "RSVP" at the end of your message.)

Local involvement

SER has assembled a team of local and regional scientists and practitioners who can assist with the work of the Restoration Training Program. These include:

- **Gail Newton, California Department of Mines (916/323-8564)**
- **Edith Read, Psomas, Inc. (714/751-7373, x2133)**
- **John Rieger, CALTRANS (619/688-6754)**
- **Bruce Pavlik, Mills College (510/430-2158)**
- **Connie Millar, USDA Forest Service (510/559-6435)**
- **Lucinda Jackson, Chevron, Inc. (510/242-1047)**
- **Freeman House, Petrolia, CA (707/629-3442)**

SERCAL, the California chapter of **SER**, has over 500 members statewide, and represents a broad-based and active cross-section of the restoration community.

In addition to existing members and contacts of **SER** and **SERCAL**, **SER** has agreed to conduct outreach mailings to over 4,000 interested parties throughout the project region. This will ensure that the services to be provided will be made available to any person or local group who might conceivably wish to take part.

Budget

SER has provided a detailed budget for the Restoration Training Program activities proposed for support from CALFED (see *Project Budget*, attached).

Administrative and indirect costs are calculated at 20% of direct expenses. This is our standard rate, and reflects our best calculation of real overhead costs. SER does *not* charge State or Federal sources a higher administrative cost rate.

All unit costs for contracted services are shown on the *Project Budget*.

SER-CAL D 4-99

SER Restoration Education Project budget: Proposal to CALFED Bay-Delta Program									
As of	4/14/99								
1. Project total budget (CALFED funds)									
Task		Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & Acquis. Costs	Misc. & Other	Overhead & Indirect Costs	TOTAL COST	
TRAINING AND SKILL DEVELOPMENT									
Outreach mailings for workshops		40	928	5,120	-	-	1,210	7,298	
Training Scholarships		55	1,276	5,000	-	-	1,255	7,586	
CALFED workshops		200	4,640	20,000	-	-	4,928	29,768	
Journal subscriptions		40	928	1,125	-	-	411	2,504	
NETWORKING & TECHNICAL ASSISTANCE									
Invitations mailed		40	928	3,360	-	-	858	5,186	
Register at member rate		20	464	750	-	-	243	1,477	
Comp registrations/events		20	464	7,500	-	-	1,593	9,577	
Field Trip registrations		20	464	900	-	-	273	1,657	
Technical Peer Review Panels		300	6,960	11,250	-	-	3,642	22,152	
TOTAL		735	17,052	55,005	-	-	14,411	\$ 87,203	
2. Cost basis for services and contracted items.									
		#	@	TOTAL					
TRAINING AND SKILL DEVEL									
Outreach mailings/needs survey for workshops		8,000	0.64	5,120					
Training Scholarships		25	200	5,000					
CALFED workshops		4	5,000	20,000					
Journal subscriptions		15	75	1,125					
NETWORKING & TECHNICAL ASSISTANCE									
Invitations mailed		8,000	0.42	3,360					
Register at member rate		15	50	750					
Complementary registrations/all events		30	250	7,500					
Field Trip registrations		12	75	900					
Technical Peer Review Panels		3	3,750	11,250					

3. SER Quarterly Budget										
TRAINING AND SKILL DEVELOPMENT										
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	TOTAL	
Outreach mailings for workshops	2,433		2,433		2,433					7,298
Training Scholarships	1,897	1,897		1,897		1,897				7,586
CALFED workshops		7,442		7,442		7,442		7,442		29,768
Journal subscriptions	313	313	313	313	313	313	313	313	313	2,504
NETWORKING & TECHNICAL ASSISTANCE										
Invitations mailed	5,186									5,186
Register at member rate	1,477									1,477
Complementary regist./events	9,577									9,577
Field Trip registrations	1,657									1,657
Technical Peer Review Panels			7,384		7,384		7,384			22,152
TOTAL	22,538	9,652	10,130	9,652	10,130	9,652	7,697	7,755		87,203

1-020345

Cost-sharing

SER continues to actively seek funding support for all activities of the Restoration Training Program. Support for the RTP has been provided by:

- **Bureau of Land Management**
- **Chevron, Inc.**
- **National Fish & Wildlife Foundation**
- **National Park Service**

We intend to reapply to all of these sources for cost-sharing on the proposed project, and will provide information on new grants to CALFED during the review period.

Applicant qualifications

SER is the leading scientific and professional organization in the restoration field. A brief summary of the Society's work is appended.

Donald A. Falk, Executive Director, will serve as Project Director. Julie St. John, Training & Publications Coordinator, will serve as Project Manager. Resumés for Mr. Falk and Ms. St. John are included with this proposal.

Outreach and local coordination will be assisted by the Sacramento office of the Society's California chapter, SERCAL.



SOCIETY FOR ECOLOGICAL RESTORATION

The Society for Ecological Restoration (SER) was founded in 1988 as an international membership organization with the mission of advancing the science and art of restoring damaged ecosystems. The Society's membership includes more than 2,500 members in 24 nations and all 50 U.S. states, with ten regional chapters and guilds. SER believes that active restoration of damaged ecosystems, in combination with preservation and management of key natural areas, will be a vital component of strategies to maintain biological diversity and function in the coming century.

SER's members practice and study restoration in nearly all ecosystem types, including prairies, savannas, shrublands, forests, woodlands, deserts, tidal and freshwater wetlands, coastal systems, and alpine and arctic habitats. SER's diverse membership includes staff of public agencies, private conservation groups, university research departments, and environmental consultants, representing a wide range of disciplines including forestry, fisheries, range and wetland ecology, botany, zoology, population biology and genetics, horticulture, landscape architecture, engineering, education and many others.

The Society offers the two main journals in the restoration field to its members and the interested public. *Restoration & Management Notes*, published by the University of Wisconsin Press, has been the defining venue for the field since its inception in 1981. *Restoration Ecology*, the first peer-reviewed scientific journal on the subject, was initiated by SER in 1993 and is published by Blackwell Science. The Society also organizes the main annual international restoration conference, now in its tenth year.

In addition to its publications and conferences, other SER programs include:

Restoration training workshops, the first inter-disciplinary teaching and technical training program devoted entirely to ecological restoration;

Restoration science and policy promoting excellence in research, and contributing to the policy dialogue on ecosystem restoration as a conservation tool;

Restoration awards to honor and recognize outstanding accomplishments in the field;

Indigenous Peoples' Restoration Network, focusing on the needs of indigenous peoples to restore the ecosystems on which they depend; and

Special meetings on emerging keystone topics in restoration ecology and practice.

SER also provides consultation to public agencies and private conservation organizations on matters of restoration science, practice, and policy. As the field's premiere organization, SER offers a skilled, objective, authoritative review of programs, policies, and projects, utilizing teams of scientists and practitioners relevant to the need.

SER achieves its objectives through cooperation with partner organizations and the work of its worldwide membership. The Society for Ecological Restoration is a registered not-for-profit organization under Section 501(c)(3) of the Internal Revenue Code, and all contributions are fully tax-deductible.

For more information please contact:

Donald A. Falk, Executive Director
Department of Ecology & Evolutionary Biology
University of Arizona, Tucson, AZ 85721
Fax 520.621.9190, email dafalk@u.arizona.edu

or:

Society for Ecological Restoration
1207 Seminole Highway, Madison, WI 53711
Telephone 608.262.9547, Fax 608.265.8557
email ser@vms2.macc.wisc.edu
<http://nabalu.flas.ufl.edu/ser/SERhome.html>

Society for Ecological Restoration
Office of the Director
Department of Ecology & Evolutionary Biology
University of Arizona, Tucson, AZ 85721
Telephone 520.626.7201, Fax 621.9190
Email dafalk@u.arizona.edu

Donald A. Falk
Executive Director

Donald A. Falk is Executive Director of the Society for Ecological Restoration (SER), and a respected voice in the conservation and restoration of biological diversity.

SER was formed in 1988, and has become the pre-eminent organization dedicated to advancing the science and art of restoring damaged ecosystems. The Society's membership, including practitioners, agency staff, academic ecologists, and the general public, is international, with chapters in North and South America, Europe, Asia, and Australia. Collectively, SER and its 2500 members constitute the primary authority on the restoration of damaged and altered ecosystems. The Society offers the two main journals in the restoration field to its members and the interested public. *Restoration & Management Notes*, published by the University of Wisconsin Press, has been the defining venue for the field since its inception in 1981. *Restoration Ecology*, the first peer-reviewed scientific journal on the subject, was initiated by SER in 1993 and is published by Blackwell Science. The Society also organizes the main annual international restoration symposium, as well as local chapter meetings.

Following his undergraduate degree from Oberlin College, Falk pursued graduate coursework in environmental policy at Tufts University, which led to the formation of the Center for Plant Conservation. From 1984 to 1993, Falk co-founded and directed the CPC; the first national organization dedicated to protecting endangered native plant species. Now headquartered at the Missouri Botanical Garden in St. Louis, CPC works with a network of botanical gardens and arboreta nationwide to collect and maintain rare species in the National Collection of Endangered Plants.

Falk has co-edited two books and several dozen technical articles. *Genetics and Conservation of Rare Plants* (1991, Oxford University Press, co-edited with K.E. Holsinger), has been widely acclaimed as the first comprehensive book on the biology of threatened plant species. His second book, *Restoring Diversity* (with C. Millar and M. Olwell), which addresses biological and policy issues in the reintroduction of endangered species, was published by Island Press in 1996. Falk has contributed chapters to books on conservation biology (Fiedler and Jain 1992), plant conservation strategies (Braunwell, *et al.* 1987), and restoration ecology (Berger 1990, Peterson and Klimas 1996). He has authored more than 50 technical articles and reviews in such journals as *Conservation Biology*, *Restoration and Management Notes*, *Natural Areas Journal*, *Forest Ecology & Management*, and *Annals of the Missouri Botanic Garden*. Falk's work and that of SER and CPC have been featured in *Science*, *BioScience*, *Scientific American*, *Diversity*, *Smithsonian*, *New York Times*, *Time*, *U.S. News & World Report* and *Christian Science Monitor*.

Prior to joining SER as Executive Director, Falk served on the Society's Board beginning in 1989. In 1991, Falk was awarded a Fulbright Short-term Scholar Award to assist in the establishment of the Australian Network for Plant Conservation. In that year he was also elected a Fellow of the American Association for the Advancement of Science (AAAS). In 1996 he was awarded the Conservation Scholars Award from the Pinchot Institute for Conservation. He has held appointments as Arnold Arboretum Associate at Harvard University and Adjunct Assistant Professor at Tufts University. Falk is a member of the IUCN Species Survival Commission, Reintroduction Specialists Group, and a board member of Native Seeds / SEARCH. Falk is presently studying forest ecology in the Department of Ecology and Evolutionary Biology, University of Arizona.

Falk is frequently an invited speaker at conferences, symposia, and scientific meetings in the U.S. and internationally on strategies for conserving and restoring biological diversity.

DONALD A. FALK
Department of Ecology & Evolutionary Biology
University of Arizona, Tucson, AZ 85721
Telephone 520.626.7201, Fax 621.9190
Email dafalk@u.arizona.edu

EDUCATION

University of Arizona	Doctoral program, current	Forest Ecology
University of Washington	Coursework and research (1995-7)	Forest Ecology
Tufts University	M.A., 1980	Environmental Policy
Oberlin College	B.A., 1972	Interdisciplinary Studies

PROFESSIONAL EXPERIENCE

1993- present Society for Ecological Restoration, Executive Director. First director of international professional organization dedicated to the development of the science and practice of ecological restoration. SER publishes *Restoration Ecology* (Blackwell Science), the first peer-reviewed journal in the field, cooperates in the production of *Restoration & Management Notes* (University of Wisconsin Press) and other publications. SER organizes the primary annual conference in the restoration field, operates the Restoration Training Program, an international awards program, and a restoration ecology book series.

1984-93 Center for Plant Conservation, Founder and Executive Director. Founder of first national organization dedicated to conservation of endangered plants, at Arnold Arboretum (Harvard University (1984-1991) and Missouri Botanical Garden (1991-present)).

1980-84 Cambridge Community Development Department, Energy Director.

AWARDS AND HONORS

1998-9 William McGinnies Fellow, University of Arizona
1998-9 Graduate Scholar, ARCS Foundation
1996 Conservation Scholar, Pinchot Institute for Conservation, U.S. Forest Service
1996 Ecosystem Interest Group Award, College of Forest Resources, U. of Washington
1995 - 6 Lockwood Fellow, College of Forest Resources, University of Washington
1991 Fulbright Short-Term Scholars Award, Australian-American Education Foundation
1991 Daughters of the American Revolution, Conservation Award, St. Louis Chapter
1991- present Fellow, American Association for the Advancement of Science (AAAS)
1990-1 Arboretum Associate, Arnold Arboretum, Harvard University
1990 Plant Conservation Award, New England Wild Flower Society
1981 Governor's Award for Energy Conservation, Commonwealth of Massachusetts
1968 National Merit Finalist, National Merit Scholarship Board
1967 Institute in American Studies, St. Andrew's Academy, Boca Raton, FL

BOARDS AND COMMITTEES, AND CONSULTING

1994 - present MacArthur Foundation
1994 - present indigenous Peoples Restoration Network
1993- present Native Seeds/SEARCH, Board of Directors
1991- present IUCN Species Survival Commission, Reintroduction Specialist Group
1988-93 Society for Ecological Restoration, Madison, WI, Board of Directors
1988-89 IUCN/Botanic Gardens Conservation Secretariat, Second Botanic Gardens Congress
1986-present Tufts University, Environmental Resource Guide
1984-93 Am. Assn. of Botanical Gardens and Arboreta, Plant Conservation Committee
1984-90 Choice Library Journal, American Library Association, Science Book Reviewer

TEACHING AND INTERNSHIPS

- 1988-9 Conservation Botany, Arnold Arboretum of Harvard University
 1984-90 Dept. of Urban and Environmental Policy, Tufts University, Adjunct Assist. Professor
 1989 Biological Diversity and Conservation Strategies
 1984 Introduction to Environmental Policy, Tufts University
 1980 Environmental Political Economy, Experimental College
 1979 Research Assistant, Hummingbird Cay Field Station, Great Exuma, Bahamas
 1979 Science Instructor, Charles River Academy, Cambridge, MA
 1979-80 The Nature Conservancy/Massachusetts Department of Environmental Management,
 Research Associate, Massachusetts Natural Heritage Program
 1978 Earthwatch, Inc./Massachusetts Department of Environmental Management
 1977-78 Lincoln Filene Center, New England Environmental Network, Tufts University

PROFESSIONAL SOCIETIES

- American Association for the Advancement of Science Society for Conservation Biology
 Society for Ecological Restoration Natural Areas Association

SELECTED PUBLICATIONS**Books**

- Falk, D.A., C.I. Millar, and M. Olwell (eds.). 1996. *Restoring Diversity: The Reintroduction of Endangered Species*. Island Press, Washington, DC.
 Falk, D.A. and K.E. Holsinger (eds.). 1991. *Genetics and Conservation of Rare Plants*. Oxford University Press, New York.

Journals and book chapters

- Thomas, S. C., C. B. Halpern, D. A. Falk, D. A. Ligouri, and K. A. Austin. Plant diversity in managed forests: understory responses to thinning and fertilization in Douglas-fir plantations. *Ecol. Applications*, In Press.
 Section editor, Conservation and Ecological Management, *Encyclopedia of Ecology and Environmental Management*, P. Calow (ed.). 1998. Blackwell Science, Oxford, U. K.
 Allen, E. B., W. W. Covington, and D. A. Falk. 1997. Developing the conceptual basis for restoration ecology. *Restoration Ecology* 5:275-276.
 Falk D. A. 1995. Restoration priorities on the landscape scale. In Peterson, D. and Klimas (eds.), *The role of restoration in ecological management*. Society for Ecological Restoration/Parks Canada.
 Falk D.A. and P. Warren. 1994. *Population Status and Monitoring Protocols for Rare Plants of the Coronado National Forest*. The Nature Conservancy/USDA Forest Service, Tucson, AZ
 Falk, D.A. and P. Olwell. 1992. Scientific and policy considerations in restoration and reintroduction of endangered species. *Rhodora* 94:287-315.
 Falk, D.A. 1992. From Conservation Biology to Conservation Practice: Strategies for Protecting Plant Diversity. In Fiedler, P.L. and Jain, S.K. (eds.), *Conservation Biology*. Chapman & Hall, pp. 397-425.
 Falk, D.A. 1992. Steps to the Formation of a National Plant Conservation Network. In Butler, G., L. Meredith, and M. Richardson (eds.), *Conservation of Rare or Threatened Plants in Australia*, Australian National Parks and Wildlife Service, Canberra, Australia, pp. 113-123.
 Falk, D.A. 1990. Endangered Forest Genetic Resources in the U.S.: Integrated Strategies for Conservation. *Forest Ecology and Management*, 35:91-117.
 Falk, D.A. 1990. The Theory of Integrated Conservation Strategies for Biological Diversity. In Leopold, D. (ed.), *Ecosystem Management: Rare Species and Significant Habitats*. Proceedings of the 14th Annual Natural Areas Conference, Natural Areas Association. State University Press of New York. New York State Museum Bulletin No. 471
 Falk, D.A. 1990. Integrated Strategies for Conserving Plant Genetic Diversity. *Annals of the Missouri Botanical Garden* 77:38-47.

COLLABORATORS

Peter Calow, University of Sheffield (U.K.)
Kent E. Holsinger, University of Connecticut
Constance I. Millar, USDA Forest Service
Margaret Otwell, National Park Service
Sean C. Thomas, University of Washington
Peter L. Warren, The Arizona Nature Conservancy

ADVISORS

Linda B. Brubaker, University of Washington
Wallace W. Covington, Northern Arizona University
Charles B. Halpern, University of Washington
Norton H. Nickerson, Tufts University
Peter H. Raven, Missouri Botanical Garden
Thomas W. Swetnam, University of Arizona
D. Lawrence Venable, University of Arizona

Julie St. John / Word-Image Ambassadora

For centuries, *One Picture and A Thousand Words* have been at war, each claiming superiority.
I speak both languages and can facilitate unity and the greater understanding of your message.

May 98 — present Society for Ecological Restoration, Tucson Arizona
As Publications & Training Coordinator, I am in the process of revamping such member services as the tri-annual newsletter and the restoration training program, as well as coordinating a book publishing program and other projects

Mar 97 — present Freelance desktop publisher, Tucson Arizona
Specialize in nonprofit environment-oriented clients, including: Audubon's Rowe Sanctuary (design newsletter, write and design brochure) and The Wildlands Project (design & maintain newsletter)

Feb 94 — Feb 97 Wildlife Damage Review, Tucson Arizona
A non-profit environmental group I believed in and to which I contributed my writing and desktop publishing skills, with a short stint as Executive Director. WDR ran out of money for my position
I wrote, edited and/or desktop published almost all materials — newsletters, fund-raising appeals, flyers, creation of slide show, activist alerts, articles

Feb 93 — Sep 94 Desert Skies, Tucson Arizona
My foray into freelance writing which led to other publications including *Arizona Highways* (published Feb 96 issue)
Conservation Editor and regular contributor to this quarterly published by an outdoor equipment retailer. I continued to freelance through 1996 until my work at Wildlife Damage Review demanded my full attention.

Jan 91 — Jan 93 Artisoft, Inc., Tucson Arizona
The first place I called when I began job-hunting in Tucson. I was hired on the spot. I left to write more meaningful "stuff"
Marketing: As sole copywriter, I was the voice behind all the ads, direct mail pieces and technical spec sheets
Public Relations: I moved to become the corporate voice for Corporate Backgrounder, press releases and special presentations. Eventually I supervised two support staff

Aug 89 — May 90 CompuAdd Corporation, Austin Texas
My investment in grad school paid off handsomely when I got this job
Marketing copywriter, working with designers to create compelling direct mail, newspaper ads, and corporate voice pieces

Jan 89 — Jul 89 Freelance copywriter, Dallas Texas
I began establishing a solid group of clients after Stern/Monroe got eaten by a bigger agency
At Taylor Publishing Company I wrote book jacket blurbs and promotional catalog copy, with Morren Design I created great ads for The Science Place, and for Stevens Graphics I wrote corporate brochure copy

Apr 87 — Nov 88 Stern/Monroe Advertising, Dallas Texas
My foot in the door came through proofing and typing other writer's copy into an old Tandy 1000 computer
But after a year's worth of creative hijinx, they promoted me to copywriter whereupon I made Garfield the Cat sing like a canary for Embassy Suites hotel ads. Cartoonist Jim Davis even liked my style.

Aug 84 — May 86 The University of Texas in Austin, MVA Advertising
After my degree, while supporting myself through temp work (the Art Institute in Chicago was my favorite because I had a Van Gogh over my desk), I made the rounds for the wrong job and was rejected by Park Avenue's finest. Thank God

May 83 — Mar 85 Austin Symphony Orchestra, Austin Texas
Another eager foot in the door as a part-time secretary led to my promotion to Public Relations Director
I gave life to the old "we're a non-profit so you have to give us free publicity" routine to much-lauded attendance gains in the Summer Music Festival. Also promoted local jazz musicians on the side

Aug 78 — May 82 Southern Illinois University, Carbondale Illinois, BS/Journalism, Minor/Student Leadership
Instead of studies, while supporting myself through temp work (graphic promotions for the concert arena), in the many student organizations to which I belonged (and often led), and in projects for university administration (such as producing the Orientation Slide Show for Incoming Students). After graduating I took a job at the university to earn money to head down to Texas

◆ 1120 East Water Street Tucson Arizona 85719 520.791.9514 gui@tgc.org ◆

Agreement No. _____

Exhibit _____

**STANDARD CLAUSES -
INSURANCE REQUIREMENTS**

Contractor shall furnish to the State a certificate of insurance stating that here is liability insurance presently in effect for the contractor of not less than \$1,000,000 per occurrence for bodily injury and property damage liability combined.

The certificate of insurance must include the following provisions:

1. The insurer will not cancel the insured's coverage without 30 days' prior written notice to the State.
2. The State of California, its officers, agents, employees, and servants are included as additional insured, but only in so far as the operation under this contract are concerned.

Contractor agrees that the bodily injury liability insurance herein provided for shall be in effect at all times during the term of this contract. In the event said insurance coverage expires at any time or times during the time of this contract, contractor agrees to provide at least thirty (30) days prior to said expiration date, a new certificate of insurance evidencing insurance coverage as provided for herein for not less than the remainder of the term of the contract, or for a period of not less than one (1) year. New certificates of insurance are subject to the approval of the Department of General Services and contractor agrees that no work or services shall be performed prior to the giving of such approval. In the event contractor fails to keep in effect at all times insurance coverage as herein provided, State may, in addition to any other remedies it may have, terminate this contract upon the occurrence of such event.

Insurance certificates must have an original signature.

**STANDARD CALIFORNIA NONDISCRIMINATION
CONSTRUCTION CONTRACT SPECIFICATIONS
(GOVERNMENT CODE, SECTION 12990)**

STD. 18 (REV. 1-80) F&C

These specifications are applicable to all state contractors and subcontractors having a construction contract or subcontract of \$5,000 or more.

1. As used in the specifications:
 - a. **"Administrator"** means Administrator, Office of Compliance Programs, California Department of Fair Employment and Housing (DFEH), or any person to whom the Administrator delegates authority;
 - b. **"Minority"** includes:
 - (i) **Black** (all persons having primary origins in any of the black racial groups of Africa, but not of Hispanic origin);
 - (ii) **Hispanic** (all persons of primary culture or origin in Mexico, Puerto Rico, Cuba, Central or South America or other Spanish derived culture or origin regardless of race);
 - (iii) **Asian/Pacific Islander** (all persons having primary origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent or the Pacific Islands); and
 - (iv) **American Indian/Alaskan Native** (all persons having primary origins in any of the original peoples of North America and who maintain culture identification through tribal affiliation or community recognition).
2. Whenever the contractor or any subcontractor subcontracts a portion of the work, it shall physically include in each subcontract of \$5,000 or more the nondiscrimination clause in this contract directly or through incorporation by reference. Any subcontract for work involving a construction trade shall also include the Standard California Construction Contract Specifications, either directly or through incorporation by reference. Any subcontract for work involving a construction trade shall also include the Standard California Construction Contract Specifications, either directly or through incorporation by reference.
3. The contractor shall implement the specific nondiscrimination standards provided in paragraphs 6(a) through (e) of these specifications.
4. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the contractor's obligations under these specifications, Government Code, Section 12990, or the regulations promulgated pursuant thereto.
5. In order for the nonworking training hours of apprentices and trainees to be counted, such apprentices and trainees must be employed by the contractor during the training period, and the contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor or the California Department of Industrial Relations.
6. The contractor shall take specific actions to implement its nondiscrimination program. The evaluation of the contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The contractor must be able to demonstrate fully its efforts under Steps a. through e. below:
 - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and at all facilities at which the contractor's employees are assigned to work. The contractor where possible, will assign two or more women to each construction project. The contractor shall specifically ensure that all leadpersons, superintendents, and other on-site supervisory personnel are aware of and carry out the contractor's obligations to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Provide written notification within seven days to the director of DFEH when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
 - c. Disseminate the Contractor's equal employment opportunity policy by providing notice of the policy to unions and training, recruitment and outreach programs and requesting their cooperation in assisting the Contractor to meet its obligations; and by posting the company policy bulletin boards accessible to all employees at each location where construction work is performed.

(Continue on reverse)

**STANDARD CALIFORNIA NONDISCRIMINATION
CONSTRUCTION CONTRACT SPECIFICATIONS
(GOVERNMENT CODE, SECTION 12990)**

ST1 REV. 1-85 (REVERSE) MC

- d. Ensure all personnel making management and employment decisions regarding hiring, assignment, layoff, termination, conditions of work, training, rates of pay or other employment decisions, including all supervisory personnel, superintendents, general leadpersons, on-site leadpersons, etc., are aware of the Contractor's equal employment opportunity policy and obligations, and discharge their responsibilities accordingly.
 - e. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the equal employment opportunity policy and the Contractor's obligations under these specifications are being carried out.
7. Contractors are encouraged to participate in voluntary associations which assist in fulfilling their equal employment opportunity obligations. The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's.
 8. The Contractor is required to provide equal employment opportunity for all minority groups, both male and female, and all women, both minority and nonminority. Consequently, the Contractor may be in violation of the Fair Employment and Housing Act (Gov. Code Section 12990 et seq.) if a particular group is employed in a substantially disparate manner.
 9. Establishment and implementation of a bona fide affirmative action plan pursuant to Section 8104(b) of this Chapter shall create a rebuttable presumption that a contractor is in compliance with the requirements of Section 12990 of the Government Code and its implementing regulations.
 10. The Contractor shall not use the nondiscrimination standards to discriminate, harass or allow harassment against any person because of race, color, religious creed, sex, national origin, ancestry, disability (including HIV and AIDS), medical condition (cancer), age, marital status, or denial of family and medical care leave and denial of pregnancy disability leave.
 11. The Contractor shall not enter into any subcontract with any person or firm decertified from state contracts pursuant to Government Code Section 12990.
 12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and the nondiscrimination clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Government Code Section 12990 and its implementing regulations by the awarding agency. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Government Code Section 12990.
 13. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company equal employment opportunity policy is being carried out, to submit reports relating to the provisions hereof as may be required by OCP and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status, (e.g., mechanic, apprentice trainee, helper or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in any easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

BIDDER'S BOND

We _____

 _____, as PRINCIPAL, and

as SURETY, are held and firmly bound unto the State of California in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal above named submitted by said Principal to the State of California, acting by and through the Department of Water Resources, for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, to the Director of the Department to which said bid was submitted, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

In no case shall the liability of the surety here under exceed the sum of \$ _____.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That whereas the Principal has submitted the above-mentioned bid to the State of California, as aforesaid, for certain construction specifically described as follows, for which bids are to be opened at

_____, California, on _____
(Insert name of city where bids will be opened) (Insert date of bid opening)

for _____

Copy here the exact description of work, including location, as it appears on the proposal)

NOW, THEREFORE, If the aforesaid Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Department, one to guarantee faithful performance and the other to guarantee payment for labor materials, as required by law, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on this _____
 day of _____, 19 _____.

(Seal)

(Seal)

(Seal)
 Principal

(Seal)

(Seal)

(Seal)
 Surety

Address _____

NOTE: Signatures of those executing for the surety must be properly acknowledged.

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

COMPANY NAME

Society for Ecological Restoration

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

CERTIFICATION

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

OFFICIAL'S NAME

DATE EXECUTED

4/13/99

EXECUTED IN THE COUNTY OF

Pima (AZ)

PROSPECTIVE CONTRACTOR'S SIGNATURE

Donald A. Falk

PROSPECTIVE CONTRACTOR'S TITLE

Executive Director

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Society for Ecological Restoration

PAYMENT BOND TO ACCOMPANY CONSTRUCTION CONTRACT
(CIVIL CODE SECTION 3247)

BOND NO. _____

The premium on this bond is _____ for the term _____

Know All Men By These Presents:

That The State of California, acting by and through the _____

has awarded to _____ whose address is

(CONTRACTOR / PRINCIPLE)

_____ as Principle, a contract for the work described as follows:

WHEREAS, The provisions of Civil Code Section 3247 require that the Principle file a bond in connection with said contract and this bond is executed and tendered in accordance therewith.

NOW THEREFORE, Principle and _____, a corporation organized under the laws of _____ (SURETY), and authorized to transact a general surety business in the State of California, as Surety, are held and firmly bound to the People of the State of California in the penal sum of _____ (_____), for which payment we bind ourselves, our heirs, executors, administrators, successors and assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH,

1. That if said Principle or its subcontractors shall fail to pay any of the persons named in Civil Code Section 3181, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Principle and subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor, that the Surety herein will pay for the same, otherwise this obligation is to be void. In case suit is brought upon this bond, the Surety will pay a reasonable attorney's fee to be fixed by the court.

2. This bond shall insure to the benefit of any persons named in Civil Code Section 3181 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

3. The aggregate liability of the Surety hereunder, including costs and attorney fees, on all claims whatsoever shall not exceed the penal sum of the bond in accordance with the provisions of Section 996.470(a) of the Code of Civil Procedure.

4. This bond is executed by the Surety, to comply with the provisions of Chapter 7, Title 15, Part 4, Division 3 of the Civil Code and of Chapter 2, Title 14, Part 2 of the Code of Civil Procedure and said bond shall be subject to all of the terms and provisions thereof.

5. This bond may be cancelled by the Surety in accordance with the provisions of Section 996.310 et seq. of the Code of Civil Procedure.

6. This bond to become effective _____

(NAME OF SURETY)

(ADDRESS)

I certify (or declare) under penalty of perjury that I have executed the foregoing bond under an unrevoked power of attorney.

Executed in _____ on _____
(CITY AND STATE) (DATE)

under the laws of the State of California.

(SIGNATURE OF ATTORNEY IN FACT)

(PRINTED OR TYPED NAME OF ATTORNEY IN FACT)

STANDARD CLAUSES --

SMALL BUSINESS PREFERENCE AND CONTRACTOR IDENTIFICATION NUMBER

NOTICE TO ALL BIDDERS:

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

Are you claiming preference as a small business?

_____ Yes* X No

*Attach a copy of your certification approval letter.

Attachment E
Terms and Conditions for Federal (Department of Interior) Funds

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; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (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.

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

CHECK 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 from covered transactions 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

CHECK 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.

04-2016
March 1995
This form supersedes 04-1957, 04-1954,
04-1955, 04-1956 and 04-1987

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK x 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)

Dept. of Ecology & Evolutionary Biology, University of Arizona

Tucson, Pima County, Arizona 85721

Check y 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.

**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



TYPED NAME AND TITLE Donald A. Falk, Executive Director

DATE 4/13/99

**APPLICATION FOR
FEDERAL ASSISTANCE**

OMB Approval No. 0348-0043

		2. DATE SUBMITTED 4/14/99	Applicant Identifier Society for Ecological Research
1. TYPE OF SUBMISSION: Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		3. DATE RECEIVED BY STATE	State Application Identifier
Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		4. DATE RECEIVED BY FEDERAL AGENCY Federal Identifier	
5. APPLICANT INFORMATION			
Legal Name: Society for Ecological Research		Organizational Unit: Office of the Executive Director	
Address (give city, county, State, and zip code): Dept. of Ecology & Evolutionary Biology University of Arizona Tucson, AZ 85721		Name and telephone number of person to be contacted on matters involving this application (give area code) Don Falk (520) 626-7201	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 39-1647554		7. TYPE OF APPLICANT: (enter appropriate letter in box) A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) <u>Non-profit Org.</u>	
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): _____		9. NAME OF FEDERAL AGENCY: CALFED Bay-Delta Program	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: ____-____-____		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:	
TITLE: _____			
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): CALFED program region, California			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF:	
Start Date 8/1/99	Ending Date 7/30/01	a. Applicant Pima (AZ)	b. Project
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$ 87,203	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____	
b. Applicant	\$	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	\$		
d. Local	\$		
e. Other	\$		
f. Program Income	\$		
g. TOTAL	\$ 87,203	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No X	
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 Donald A. Falk		b. Title Executive Director	c. Telephone Number (520)626-7201
d. Signature of Authorized Representative 		e. Date Signed 4/14/99	

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Standard Form 424 (Rev. 7-97)
Prescribed by OMB Circular A-102

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) and 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 to 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:

-- "New" means a new assistance award.

-- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.

-- "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. | |

BUDGET INFORMATION - Non-Construction Programs

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Training Wkshps		\$	\$	\$ 44,652	\$	\$ 44,652
2. Journals				2,504		2,504
3. Conference/Networking				17,897		17,897
4. Technical Teams				22,152		22,152
5. Totals		\$	\$	\$ 87,203	\$	\$ 87,203
6. Object Class Categories						
		GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
		(1) Training	(2) Journals	(3) Conf/Ntwk	(4) Tech. Teams	
a. Personnel		\$ 5,703	\$ 770	\$ 1,926	\$ 5,777	\$ 14,176
b. Fringe Benefits		1,140	158	394	1,183	2,875
c. Travel		1,020	---	1,000	1,500	3,520
d. Equipment						
e. Supplies		4,100	---	2,360	---	6,460
f. Contractual		25,000	1,125	9,150	10,020	45,295
g. Construction						
h. Other		466	---	---	---	466
i. Total Direct Charges (sum of 6a-6h)		37,429	2,053	14,830	18,480	72,792
j. Indirect Charges		7,393	411	1,567	5,040	14,411
k. TOTALS (sum of 6i and 6j)		\$ 44,822	\$ 2,464	\$ 16,397	\$ 23,520	\$ 87,203
7. Program Income		\$	\$	\$	\$	\$

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Standard Form 424A (Rev. 4-92)
Prescribed by OMB Circular A-102

1-020367

1-020367

1-020368

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.		\$	\$	\$	\$	
9.						
10.						
11.						
12.	TOTAL (sum of lines 8 - 11)	\$	\$	\$	\$	
SECTION 5 - BUDGET ESTIMATES OF FEDERAL FUNDS						
		Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13.	Federal	\$	\$ 22,538	\$ 9,652	\$ 10,130	\$ 9,652
14.	NonFederal					
15.	TOTAL (sum of lines 13 and 14)	\$ 51,972	\$ 22,538	\$ 9,652	\$ 10,130	\$ 9,652
SECTION 6 - BUDGET ESTIMATES OF FEDERAL FUNDS						
(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)	\$ 51,972	\$ 35,231	\$	\$	
21. Direct Charges:		22. Indirect Charges:				
23. Remarks:						

1-020368

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 a *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 (e) 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.

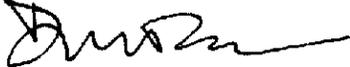
Lines 6a-i--Show the totals of Lines 6a and 6h in each column.

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.

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. §874), 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 (Clean Air) Implementation Plans under Section 176(c) of the Clean 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. §§468a-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 Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
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 		TITLE Executive Director
APPLICANT ORGANIZATION Society for Ecological Restoration		DATE SUBMITTED 4/14/99

Standard Form 424B (Rev. 7-97) Back