

Species and Community Profiles of the San Francisco Bay Area Wetlands Ecosystem Goals Project

Proposal Title:
Applicant Name: Friends of the San Francisco Estuary
Mailing Address: P.O. Box 791, Oakland, CA 94604-0791
Telephone: 510-622-2337
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Email: marciab@abag.ca.gov

Amount of funding requested: \$ 44,000 for 1 years

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

- Fish Passage/Fish Screens
Habitat Restoration
Local Watershed Stewardship
Water Quality
Introduced Species
Fish Management/Hatchery
Environmental Education

Does the proposal address a specified Focused Action? yes no

What county or counties is the project located in? Alameda

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

- Sacramento River Mainstem
Sacramento Trib:
San Joaquin River Mainstem
San Joaquin Trib:
Delta:
East Side Trib:
Suisun Marsh and Bay
North Bay/South Bay:
Landscape (entire Bay-Delta watershed)
Other: SF Bay estuary, including Suisun, North Bay, and South Bay

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

- San Joaquin and East-side Delta tributaries fall-run chinook salmon
Winter-run chinook salmon
Late-fall run chinook salmon
Delta smelt
Splittail
Green sturgeon
Migratory birds
Spring-run chinook salmon
Fall-run chinook salmon
Longfin smelt
Steelhead trout
Striped bass
All chinook species
All anadromous salmonids

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

This project will facilitate progress towards the objectives identified in Table 13 (pg 177) of the ERPP for Cal Black rail, Cal clapper rail, Cal red-legged-frog, Cal tiger salamander, Cal vole, Chinook salmon, Delta smelt, long fin smelt, ornate shrew, Pacific herring, Pac tree-frog, Sac splittail, salt marsh harvest mouse, song sparrow, steelhead, (continued on next page)

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

By signing below, the applicant declares the following:

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

Ted Smith, President, Friends of the San Francisco Estuary
Printed name of applicant

Ted Smith

Signature of applicant

Continued from first page:
striped bass, Suisun shrew, and western pond turtle. The report generally supports CALFED Strategic Goals 1 and 3 (ERPP Pg. 1)

**Species and Community Profiles Report
of the
San Francisco Bay Area Wetlands Ecosystem Goals Project**

Friends of the San Francisco Estuary
P.O. Box 791
Oakland, CA 94604-0791
(510) 622-2337 Fax (510) 622-2501

Non-Profit Corporation
[501(c)3]

Tax Identification No. 68-0265026

Principal Investigator/Technical Contact: Mr. Michael Monroe
(510) 622-2392
email: mm@rb2.swrcb.ca.gov

Financial Contact: Ms. Marcia Brockbank
(510) 622-2325
email: marciab@abag.ca.gov

This proposal is submitted in collaboration with the members of the
Resource Managers Group
of the
San Francisco Bay Area Wetlands Ecosystem Goals Project

Executive Summary

The San Francisco Bay Area Wetlands Ecosystem Goals Project is a multi-agency, interdisciplinary planning effort whose main objective has been to identify the kinds, amounts, and distribution of wetlands and related habitats needed to sustain diverse and healthy communities of fish and wildlife resources in the San Francisco Bay area. The Project presented its final recommendations in March 1999 in its report entitled *Baylands Ecosystem Habitat Goals*. The report provides guidance for private, local, state, and federal entities seeking to protect and improve the region's wetlands. It also forms the biological basis for a regional wetlands plan, the development of which is scheduled to begin in mid-1999.

In collaboration with members of the Goals Project's Resource Managers Group, the Friends of the San Francisco Estuary (Friends) is seeking CALFED funding to produce the Goals Project's final product -- a report of species and communities profiles. The text of this report is nearly complete, and Friends is requesting CALFED funds for the preparation of the report's final design and maps, and for printing and distribution. The report will be approximately 600 pages in length and will include profiles for 97 species of insects, fishes, amphibians, reptiles, mammals, and birds that occur in the Bay-Delta estuary. It also will include profiles for four plant communities: intertidal bayland, tidal marsh, diked bayland, and salt pond. The Profiles report will be useful for scientists, educators, consultants, and others who are working to restore or improve habitats in the Bay-Delta estuary.

The Goals Project has received funding from a variety of local, state, and federal entities. Direct funding to date totals about \$725,000. In addition, more than one hundred technical experts from the private and public sectors have contributed in-kind services valued at about \$950,000.

Friends and the Resource Managers Group seek \$44,000 from CALFED to produce the Goals Project's Species and Community Profiles report.

We believe there will be no direct third party impacts resulting from the preparation of the species and communities profiles report.

Friends is a non-profit corporation with representatives from educational, environmental, business, government, and the private sector. It was established by the San Francisco Estuary Project in 1991 to build support for the Estuary Project's programs and goals, to provide environmental education activities to the public, and to assist with implementing the Estuary Project's Comprehensive Conservation and Management Plan. Staff of Friends has provided assistance to the Goals Project since 1995.

Mr. Michael Monroe and Ms. Peggy Olofson will oversee production of the *Species and Community Profiles* report. Mr. Monroe is an environmental scientist with the U.S. Environmental Protection Agency and is co-chair of the Goals Project. Ms. Olofson is an environmental engineer with the S.F. Bay Regional Water Quality Control Board and is the Goals Project manager. They were the primary authors of the *Baylands Ecosystem Habitat Goals* report. To produce the Profiles report, they will utilize the services of Ms.

CALFED Proposal
April 16, 1999

2.

Friends of the Estuary
Species and Community Profiles

Nina Lisowski for report design, the San Francisco Estuary Institute for GIS map production, and Alonzo Environmental for report printing.

During the development of the Habitat Goals, Goals Project participants indicated strong support to produce a compilation of the species and community profiles that they had prepared as a preliminary step towards developing the Goals. The Resource Managers Group views these profiles as important supporting documentation for the final Goals Report and wants to make them available as a companion document. The Profiles report will assist CALFED in deciding appropriate wetlands projects to fund. In particular, it will provide CALFED a stronger scientific basis for decisions regarding the restoration of certain kinds of wetlands as described in the CALFED Environmental Restoration Program Plan.

Project Description

This project involves publishing a technical report that compiles over 100 short reports or "profiles" prepared by participants of the Goals Project. The Profiles report will include information on 97 species of insects, fishes, amphibians, reptiles, mammals, and birds. It also will include five major plant communities. The Profiles report is to function as a companion document to the final Habitat Goals report, providing additional scientific information on species needs, distribution, life history, and population trends.

The report will be prepared primarily by staff of the U.S. Environmental Protection Agency and the S.F. Bay Regional Water Quality Control Board, with assistance provided by several contractors. The Profiles report will be about 600 pages in length and will be produced mostly in one color; some maps or other graphics may be two-color.

Background

In June 1993, the Governor of California and the Administrator of the U.S. Environmental Protection Agency signed the San Francisco Estuary Project's Comprehensive Conservation and Management Plan. Among its many actions, the CCMP recommends establishing regional wetlands habitat goals for use as the basis of a regional wetlands management plan to protect, enhance, restore, and create wetlands in the San Francisco Bay-Delta estuary. Subsequently, representatives of state and federal resource agencies involved in wetlands regulation and management began meeting with staff of the San Francisco Estuary Institute to design a process for establishing these goals. These discussions led to the initiation, in mid-1995, of the San Francisco Bay Area Wetlands Ecosystem Goals Project (Goals Project).

The Goals Project is directed by the Resource Managers Group (RMG), representatives of eight state and federal agencies with major responsibilities for Bay Area wetlands. Assisting the RMG are teams of species experts, physical scientists, and a science review group; in total, more than 100 scientists are volunteering in the effort. The San Francisco Estuary Institute provides project participants with technical guidance and analytical support, and the San Francisco Bay Regional Water Quality Control Board assists with project administration. Friends of the Estuary has assisted the Goals Project with public outreach for more than three years. Funding has come from several local, state, and federal sources.

The Goals Project used available information to identify the kinds, amounts, and distribution of wetlands and related habitats needed to sustain diverse and healthy communities of fish and wildlife resources in the San Francisco Bay area. The final goals provide guidance for private, local, state, and federal entities seeking to protect and improve the region's wetlands. Final goals were completed in March 1999 and are presented in a report entitled *Baylands Ecosystem Habitat Goals*, commonly referred to as the Goals Report.

Establishing the habitat goals involved several steps. These included identifying the bayland's wetland habitats and the representative species of plants, fish, and wildlife that

inhabit them; assembling and analyzing data and other information regarding historical and current distributions of habitats and species; describing the ecological relationships between the habitats and species; and, finally, recommending the amounts and distribution of the various wetland habitat types. The goals are expressed as quantitative and qualitative objectives and are described in narratives and in maps and other graphics.

Proposed Scope of Work

Producing the *Species and Community Profiles* report will entail several tasks. These tasks include:

Task 1. Designing report format including text, tables, figures, and cover. This will start within two weeks from receipt of funding and will take two weeks to complete. It will be undertaken by the designer who developed the design for the final Goals Report.

Task 2. Laying out final text in Pagemaker. This will start immediately following Task 1 and will take two to four weeks to complete. It is not a task that needs to be funded by CALFED, as it will be done by staff at the Regional Water Board.

Task 3. Completing final GIS maps. This will start within one week from receipt of funding and will take four to six weeks to complete. It will be done by staff at the San Francisco Estuary Institute who prepared the maps and graphs for the final Habitat Goals report.

Task 4. Preparing report introduction, acknowledgements, table of contents, etc. This will occur after Task 2 is completed and will be undertaken by Regional Board and EPA staff. It is not a task that needs to be funded by CALFED.

Task 5. Printing report. This will occur within six to eight weeks from receipt of funding. Approximately 1500 copies of the report will be printed. This will be done by the same printer that printed the final Habitat Goals report.

Task 6. Distributing report to scientists and decisionmakers throughout and beyond the Project area. This will occur within eight to 12 weeks from receipt of funding.

Please note that we are seeking CALFED funding only for Subtasks 1, 3, 5, and 6.

Project management will be provided jointly by U.S. EPA and the Regional Water Board, and will not require funding from CALFED.

Geographic Boundaries of the Project

The geographic scope of the Goals Project includes the four primary sub-regions of the Bay-Delta estuary downstream of the Sacramento-San Joaquin Delta: Suisun Marsh and Bay, San Pablo Bay, Central San Francisco Bay, and South San Francisco Bay. It is important to note, however, that many of the species for which Goals Project participants have prepared profiles also occur in or upstream of the Delta.

Ecological Benefits

The primary ecological objective of the *Species and Community Profiles* report is to provide additional technical information on the key fish and wildlife and plant communities selected by the Goals Project. These species and communities were determined to collectively representative the overall complexity of the baylands ecosystem, and protecting and supporting them was the objective of the final Habitat Goals. The leaders of the Goals Project believe that the information contained in the Profiles report will help inform decision making and improve the quality of habitat restoration projects in the Bay-Delta estuary in the coming decades.

Fish and wildlife species for which profiles have been written include (with CALFED priority species shown in bold): American white pelican, arrow goby, bat ray, bay goby, black turnstone, black-crowned night heron, brine fly, brown pelican, brown rockfish, burrowing owl, California alligator lizard, **California black rail**, **California clapper rail**, California gull, California halibut, **California red-legged frog**, California sea lion, **California tiger salamander**, California toad, California vernal pool tadpole shrimp, **California vole**, canvasback, Caspian tern, central coast garter snake, **Chinook salmon**, cinereus brine fly, cixiid planthopper, coast garter snake, common moorhen, **Delta smelt**, double-crested cormorant, Dungeness crab, eared grebe, Forster's tern, Franciscan brine shrimp, harbor seal, inchworm moth, jacksnipe, Jamieson's compsocryptus wasp, leopard shark, long-billed dowitcher, **longfin smelt**, longjaw mudsucker, mallard, marbled godwit, Millbrae brine fly, North American river otter, northern anchovy, northern pintail, Norway rat, opossum shrimp, **ornate shrew**, **Pacific herring**, Pacific staghorn sculpin, **Pacific treefrog**, prickly sculpin, pygmy blue butterfly, red fox, red knot, reticulate water boatman, rock crab, roof rat, ruddy duck, **Sacramento splittail**, salt marsh common yellowthroat, **salt marsh harvest mouse**, salt marsh wandering shrew, San Francisco garter snake, savannah sparrow, shiner perch, snowy egret, **song sparrows**, southern sea otter, starry flounder, **steelhead**, **striped bass**, **Suisun shrew**, summer salt marsh mosquito, surf scoter, threespine stickleback, tiger beetle, topsmelt, tule greater white-fronted goose, tule perch, Washino's mosquito, western encephalitis mosquito, **western pond turtle**, western sandpiper, western snowy plover, western tanarthrus beetle, western/Clark's grebe, white croaker, Wilson's phalarope, winter marsh mosquito, and winter salt marsh mosquito. The Profiles report will include profiles for each of these species.

Plant communities that will be included in the Profiles report will be (using the Goals Project's terminology): shallow bay and intertidal bayland, tidal marsh, diked bayland, salt pond, riparian forest, willow grove, grassland, oak woodland, and evergreen forest.

The Goals Project is addressing many of the stressors identified in the CALFED Implementation Strategy. Some of the stressors that the Habitat Goals report discusses, and that Goals implementation will address, include Migration Barriers and Straying, Hydrological Isolation of Floodplain or Marshplain, Physical Isolation of Floodplain or Marshplain, Elimination of Fine Sediment Replenishment, Alteration of Channel Form, Loss of Riparian Zone or Lack of Regeneration Potential, Increased Contaminants,

Increased Nutrient Input, Increased Mobilization of Contaminants Due to Dredging, Competition from Introduced Plants, Grazing, and Human Disturbance.

Linkages

The *Species and Community Profiles* report will be the last of several products produced by the Goals Project. It will build on and complement the recently released final Habitat Goals report and previous technical and public outreach reports.

The Profiles report will provide supplementary information, which, when used in conjunction with the Habitat Goals report, will facilitate progress toward the Strategic Plan Objectives of many Priority Group I, II, III, and IV species. The CALFED priority species are indicated in bold in the previous section, and Table 13 (Pg. 177) of the ERPP lists the objectives established by CALFED for them. The *Species and Community Profiles* report will help CALFED participants refine their understanding of the habitat needs of fish and wildlife species. Generally, the report will support CALFED Strategic Goals 1 and 3 (ERPP Pg. 1).

In 1998, CALFED provided funding to the San Francisco Estuary Institute to assist the Goals Project (Assistance ID No. X999782-01-1). The Estuary Institute completed its tasks as required, however, the Resource Managers Group requested that it postpone production of the Profiles report (previously referred to as the Baylands Ecosystem report) until after completing the final Habitat Goals report. This occurred primarily because the Goals Project participants were unable to complete all 92 of the profiles in a timely fashion. Because the amount of information developed for the Profiles report has grown substantially (the length of the report has increased from an estimated 350 pages to about 600 pages) and as production will entail much more GIS work than originally envisioned, additional funding is necessary to complete its production.

System-Wide Ecosystem Benefits

The restoration and enhancement of the estuary's bayland habitats will provide myriad benefits to hundreds of species of fish and wildlife by increasing resting, foraging, nursery, and escape habitat.

The Goals Project has called for extensive (i.e., thousands of acres) tidal marsh restoration, protection and improvement of seasonal wetland functions, and the reestablishment of riparian vegetation along many of the streams that flow into the estuary. The Project represents the most comprehensive attempt at developing a biological vision for the baylands. One of the key benefits of the Project has been the development of an integrated, ecosystem approach at improving and restoring wetlands and associated habitats throughout this major component of the Bay-Delta estuary.

Many entities interested in undertaking efforts to protect or improve wetlands will benefit from the work of the Goals Project. Some of the agencies likely to use the goals as

guidance include those of the Resource Managers Group and Administrative Core Team. These include:

California Coastal Conservancy

California Department of Fish and Game

California Department of Water Resources

California Resources Agency

National Marine Fisheries Service

San Francisco Bay Regional Water Quality Control Board

San Francisco Bay Conservation and Development Commission

San Francisco Bay Joint Venture

U.S. Environmental Protection Agency

U.S. Fish and Wildlife Service

Other entities likely to use the goals include private landowners, open space districts, park and resource conservation districts, land preservation groups, and private developers.

Compatibility with Non-Ecosystem Objectives

The Habitat Goals recommendations call for extensive habitat changes. In addition to improving conditions for fish and wildlife species, many of which are of interest to CALFED, implementing the Goals will enhance flood water retention, improve water quality, provide recreational opportunities, and secure large areas as open space.

Technical Feasibility and Timing

The Goals Project participants considered several ways to develop regional habitat goals. After careful consideration, they agreed that the multi-species approach made the most sense. Other alternatives were not selected because it was felt that establishing habitat goals to meet the needs of fish and wildlife would ensure other ecosystem functions.

There have been no NEPA, CEQA, or other environmental compliance documents prepared for the Habitat Goals, and none has been required. However, these kinds of documents likely will be necessary for the larger habitat restoration projects that will get underway in the coming years.

Monitoring and Data Collection Methodology

The Goals Project has not generated any new data. It has, however, compiled and analyzed several data sets (primarily on avian resources and invertebrates) developed by local researchers. Some of these data will be presented or shown graphically in the Profiles report. Information regarding data collection is presented in the profiles, some is maintained by the Estuary Institute as part of its GIS metadata, and some is maintained with the original data sets.

Local Involvement

The Goals Project has involved participants from all levels of government and the private sector. Some of the most active participants are from local governments – mosquito abatement districts, park districts, resource conservation districts, and water and flood control districts.

To communicate the purpose of the Goals Project to local governments and landowners, Project staff made more than three dozen presentations over a three-year period. These included presentations to planning commissions, planning departments, community groups, environmental groups, landowner groups, elected officials, etc. In June 1997, the Project held public workshops in Newark and Vallejo to inform landowners and others about the Project. In July 1998, four workshops were held (in San Mateo, Oakland, Novato, and Benicia) at which the draft habitat goals were presented.

Given this outreach and the ample media attention, most major landowners in the Bay Area are aware of the Goals Project. As the final Goals Report is disseminated in the coming weeks, more local interests will become aware of the Goals recommendations. Landowner response has been mixed: some view the Goals as a threat to existing land uses, some view them as a tool for maximizing the value of their properties, and others want to use them to improve habitats.

Additional outreach on the Goals will be a part of the development of a regional wetlands plan, and will continue during the remainder of 1999 and probably well into 2000.

Cost

The total funding requested from CALFED for the production and distribution of the Species and Community Profiles report is \$44,000. The budget for this work is as follows:

Task	Direct Labor Hours	Direct Salary and Benefits	Service Contracts	Material and Acquisition Costs	Misc. and Other Direct Costs	Overhead and Indirect Costs	Total Costs (\$)
1. Design			909			91	1,000
2. Layout*			0			0	0
3. Maps			9,091			909	10,000
4. Text*			0			0	0
5. Printing			22,727			2,273	25,000
6. Distribution			7,273			727	8,000
Total			40,000			4,000	44,000

* Support for tasks 2 and 4 will be provided as in-kind services by U.S. EPA and S.F. Water Quality Control Board.

All of the money in the budget will be spent in the first two quarters after receipt, as shown below.

Task	Quarterly Budget Oct-Dec 99	Quarterly Budget Jan-Mar 00	Quarterly Budget Apr-Jun 00	Quarterly Budget Jul-Sep 00	Total Budget (\$)
1.	1,000	0	0	0	1,000
2.	0	0	0	0	0
3.	5,000	5,000	0	0	10,000
4.	0	0	0	0	0
5.	0	25,000	0	0	25,000
6.	0	8,000	0	0	8,000
Total	6,000	38,000	0	0	44,000

Cost Sharing

Since its initiation, nine public entities have provided funding for the Goals Project. These include CALFED, City of San Jose, State Office of Oil Spill Prevention and Response, San Francisco Bay Regional Water Quality Control Board, Sausalito-Marín City Sanitation District, Shell Oil Spill Trustees, State Resources Agency, U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, and the U.S. Fish and Wildlife Service. The total amount provided by these entities is about \$725,000. Compared to other large-scale landscape planning efforts, such as the EPA-sponsored work in the Willamette Valley of Oregon and the U.S. Fish and Wildlife Service work in coastal Southern California, the Goals Project has received relatively modest funding.

More than one hundred technical experts from the private sector and local, state, and federal agencies have participated on the Goals Project. A conservative estimate of the value of this in-kind service is \$950,000. Therefore, the total amount of funding and in-kind services applied to the Project thus far is \$1,675,000.

With respect to production of the Species and Community Profiles report, U.S. EPA and Regional Water Board will provide in-kind services as a cost share. Tasks undertaken as part of this cost share will include report layout, completion of text, and project management.

Applicant Qualifications

Friends of the San Francisco Estuary is a non-profit corporation with representatives from educational, environmental, business, government, and the private sector. It was established by the San Francisco Estuary Project in 1991 to build support for the Estuary Project's programs and goals, to provide environmental education activities to the public, and to assist with implementing the Estuary Project's Comprehensive Conservation and

Management Plan. Staff of Friends has provided assistance to the Goals Project from its inception.

Friends performs educational, monitoring, and fundraising functions aimed at preserving and restoring the Bay-Delta estuary. Friends is responsible for coordinating the implementation of the Public Involvement and Education component of the CCMP. In this capacity, Friends seeks to sustain public and political interest in the CCMP implementation and promotes public review and broad-based involvement in Estuary decision-making.

Ms. Marcia Brockbank, Program Manager of the San Francisco Estuary Project, provides in-kind staff support to Friends for contract oversight and technical administration. Ms. Brockbank is administering the Delta Channel Island Demonstration Project, which CALFED funded in 1998.

Mr. Michael Monroe and Ms. Peggy Olofson will oversee production of the *Species and Community Profiles* report. Mr. Monroe is an environmental scientist with the U.S. Environmental Protection Agency and is co-chair of the Goals Project. He also was the technical program manager of the San Francisco Estuary Project. Ms. Olofson is an environmental engineer with the S.F. Bay Regional Water Quality Control Board and is the Goals Project manager. They were the primary authors of the *Baylands Ecosystem Habitat Goals* report.

Ms. Nina Lisowski is a graphic designer who has produced documents for the San Francisco Estuary Project and the Goals Project. She designed the Estuary Project's *State of the Estuary* report and the Goals Project's *Baylands Ecosystem Habitat Goals* report. She will design the Profiles report so that it complements the *Baylands Ecosystem Habitat Goals* report.

The San Francisco Estuary Institute has provided science guidance and technical support to the Goals Project for more than three years. At SFEL, Dr. Joshua Collins is the primary technical contact. Dr. Collins will oversee the production of the GIS maps for the Profiles report. He will be assisted by Mr. Zoltan Der, Mr. Robin Grossinger, Mr. Michael May, and Ms. Adrienne Yang. This is the same team that produced the GIS maps and graphics for the *Baylands Ecosystem Habitat Goals* report.

Alonzo Environmental is a commercial printing firm in Hayward. They have produced many documents for the San Francisco Estuary Project and for Friends. They are a state-of-the-art firm that emphasizes the use of environmentally friendly papers, inks, and production processes. Among the many environmental documents they have printed are the Estuary Project's *State of the Estuary* report and the Goals Project's *Baylands Ecosystem Habitat Goals* report.

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 18 (REV. 3-85) P/MC

COMPANY NAME

Friends of the San Francisco Estuary

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

Ted Smith

DATE EXECUTED

April 16, 1999

EXECUTED IN THE COUNTY OF

Alameda

PROSPECTIVE CONTRACTOR'S SIGNATURE

Ted Smith

PROSPECTIVE CONTRACTOR'S TITLE

President

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Friends of the San Francisco Estuary

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.

DI-2018
March 1995
(This form consolidates DI 1953, DI 1954,
DI 1955, DI 1956 and DI 1957)

PART C: Certification Regarding Drug-Free Workplace Requirements

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

Alternate I. (Grantees Other Than Individuals)

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

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(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)

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

PART D: Certification Regarding Drug-Free Workplace Requirements

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

Alternate II. (Grantees Who Are Individuals)

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

**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

Ted Smith

TYPED NAME AND TITLE Ted Smith, President, Friends of the Estuary

DATE April 16, 1999

**APPLICATION FOR
FEDERAL ASSISTANCE**

DRAFT

OMB Approval No. 0348-0043

2. DATE SUBMITTED April 16, 1999		Applicant Identifier
3. DATE RECEIVED BY STATE		State Application Identifier
4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier

TYPE OF SUBMISSION:

Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction	Preapplication <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction
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APPLICANT INFORMATION

Legal Name: <u>Friends of the San Francisco Estuary</u>	Organizational Unit:
Address (give city, county, State, and zip code): <u>P.O. Box 791, Oakland, CA 94604-2050</u>	Name and telephone number of person to be contacted on matters involving this application (give area code) <u>Marcia Brockbank 510-622-2325</u>

EMPLOYER IDENTIFICATION NUMBER (EIN):

68 - 02650216

TYPE OF APPLICATION:

New Continuation Revision

F. Revision, enter appropriate letter(s) in box(es)

A. Increase Award B. Decrease Award C. Increase Duration
D. Decrease Duration Other (specify):

TYPE OF APPLICANT: (enter appropriate letter in box)

A. State H. Independent School Dist. N
B. County I. State Controlled Institution of Higher Learning
C. Municipal J. Private University
D. Township K. Indian Tribe
E. Interstate L. Individual
F. Intermunicipal M. Profit Organization
G. Special District N. Other (Specify) Non-profit

NAME OF FEDERAL AGENCY:

CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:

 -

TITLE:

AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):
Alameda, Contra Costa, Marin, Napa, Sonoma
Santa Clara, San Francisco, San Mateo

DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:
Species and Community Profiles
Report of the San Francisco Bay Area
Wetlands Ecosystem Goals Project

PROPOSED PROJECT

Start Date Ending Date

CONGRESSIONAL DISTRICTS OF:

a. Applicant

9

b. Project

1, 6-10, 12-16

ESTIMATED FUNDING:

Federal	\$	10,000 ⁰⁰
USEPA (inkind)		
Applicant	\$	2,500 ⁰⁰
State	\$	10,000 ⁰⁰
SEBRNOCB		
Local	\$	
Other	\$	44,000 ⁰⁰
CALFED		
Program Income	\$	
TOTAL	\$	66,500 ⁰⁰

IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?

a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:

DATE _____

b. No. PROGRAM IS NOT COVERED BY E. O. 12372
 OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW

IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?

Yes If "Yes," attach an explanation. No

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.

Type Name of Authorized Representative <u>Ted Smith</u>	b. Title <u>President</u>	c. Telephone Number <u>510-622-2325</u>
Signature of Authorized Representative <u>Ted Smith</u>	e. Date Signed <u>4-16-99</u>	

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Standard Form 424 (Rev. 7-87)
Prescribed by OMB Circular A-102

BUDGET INFORMATION - Non-Construction Programs

SECTION A - BUDGET SUMMARY

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. CALFED		\$	\$	\$ 44,000	\$	\$ 44,000
2. USEPA (inkind)				10,000		10,000
3. SFBRWQCB (inkind)					10,000	10,000
4. Friends (inkind)					2,500	2,500
5. Totals		\$	\$	\$ 54,000	\$ 12,500	\$ 66,500

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM FUNCTION OR ACTIVITY				Total (5)
	(1) CALFED	(2) USEPA inkind	(3) SFBRWQCB ink	(4) Friends ink	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual	40,000				40,000
g. Construction					
h. Other In-kind service		10,000	10,000	2,500	22,500
i. Total Direct Charges (sum of 6a-6h)	40,000	10,000	10,000	2,500	62,500
j. Indirect Charges	4,000				
k. TOTALS (sum of 6i and 6j)	\$ 44,000	\$ 10,000	\$ 10,000	\$ 2,500	\$ 66,500
7. Program Income	\$	\$	\$	\$	\$

1-015189

1-015189

SECTION C: NON-FEDERAL RESOURCES						
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS		
8. CALFED	\$	\$	\$ 44,000	\$ 44,000		
9. USEPA (inkind)						
10. SFBRWQCB (inkind)		10,000		10,000		
11. Friends (inkind)	2,500					
12. TOTAL (sum of lines 8 - 11)	\$ 2,500	\$ 10,000	\$ 44,000	\$ 56,500		
SECTION D: FORECASTED CASH NEEDS						
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
13. Federal	\$	\$	\$	\$	\$	
14. NonFederal						
15. TOTAL (sum of lines 13 and 14)	66,500	17,500	49,000			
SECTION E: BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT						
(a) Grant Program	FUTURE FUNDING PERIODS (Years)					
	(b) First	(c) Second	(d) Third	(e) Fourth		
16.	\$	\$	\$	\$		
17.						
18.						
19.						
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$		
SECTION F: OTHER BUDGET INFORMATION						
21. Direct Charges:	22. Indirect Charges:					
23. Remarks:						

ASSURANCES - NON-CONSTRUCTION PROGRAMS

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

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

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

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

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-618), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

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. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act 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 <i>Ted Smith</i>	TITLE President
APPLICANT ORGANIZATION Friends of the San Francisco Estuary	DATE SUBMITTED April 16, 1999

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