

**San Francisco Estuary Project
FFY 2005 - 2006 Work Plan and Budget
for the
San Francisco Bay Regional Water Quality Control Board
Association of Bay Area Governments**

1. PURPOSE:

This amended cooperative agreement between the U.S. Environmental Protection Agency (EPA), the Association of Bay Area Governments (ABAG) and the San Francisco Bay Regional Water Quality Control Board (RWQCB) is to provide technical, administrative and public involvement program support for continued implementation of the Comprehensive Conservation and Management Plan (CCMP). This includes support activities for the San Francisco Estuary Project (SFEP), Friends of the San Francisco Estuary (Friends) and the San Francisco Estuary Institute (SFEI).

2. PERIOD OF PERFORMANCE: December 1, 2005 until December 31, 2006.

3. BACKGROUND:

The Estuary – The San Francisco Bay-Delta Estuary is the largest estuary on the West Coast and is a vital environmental asset for millions of Californians. The Estuary system encompasses roughly 1,600 square miles, drains over 40 percent of the state (60,000 square miles), provides drinking water to 22 million Californians (two-thirds of the state's population) and irrigates 4.5 million acres of farmland. The Estuary also enables the nation's fourth-largest metropolitan region to pursue diverse activities, including shipping, fishing, recreation and commerce. Finally, the Estuary hosts a rich diversity of flora and fauna. For example, two-thirds of the state's salmon and nearly half of the birds migrating along the Pacific Flyway pass through the Bay and Delta.

Human alteration of aquatic and terrestrial habitats, the discharge of pollutants, water diversions, urban and agricultural runoff, dredging and waterway modification, intensified land use and the introduction of alien flora and fauna have all contributed to the Bay-Delta Estuary's declining ability to support a sustainable ecosystem. Populations of many native species have dropped to record low levels, and over 150 species are designated as endangered, threatened or of special concern, under the state/ federal Endangered Species Acts. With an estimated five to forty thousand tons of pollutants entering the Estuary each year, human health is also at risk.

National Estuary Program (NEP) – Congress established the NEP, Section 320 in the reauthorized Clean Water Act (CWA) of 1987 to address the declining state of the nation's estuaries. California's Governor nominated the San Francisco Bay-Delta as an "estuary of national significance" and the US EPA officially added the SFEP to the program in December 1987. The Governor's nomination of the SFEP began the local-state-federal partnership, which developed the Comprehensive Conservation and Management Plan (CCMP) for the Estuary. In FFY 2005, Congress reauthorized the NEP and maintained the NEP's appropriation of approximately the same as 2004 or \$24,500,000. This appropriation provides approximately \$500,000 each in base funding to the 28 NEPS.

4. GOALS:

SFEP's goals are to restore water quality and natural resources through effective management and public/private partnerships, while maintaining the region's economic vitality. The SFEP's purpose is to oversee and track the implementation of a coordinated and comprehensive strategy for preserving, restoring and enhancing the Bay-Delta Estuary. The actions contained in the CCMP

make up a strategy aimed at rejuvenating the ecological health of the Estuary while maintaining the economic diversity of the region. The CCMP's nine program areas and 145 actions recognize the Estuary's environmental value and the need to manage habitats within the sub-watersheds from an ecosystem perspective.

The Estuary Project monitors CCMP implementation and environmental results by holding a State of the Estuary Conference every two years and producing several documents that evaluate CCMP implementation progress and the health of the Estuary. SFEP will hold a public workshop August 5, 2005, where participants will re-evaluate CCMP priorities, implementation progress, and institutional structure. The outcome from CCMP workshops and conferences assist staff in setting priorities, developing the annual work plans and seeking and allocating funds to implement the CCMP.

5. 2004 ACCOMPLISHMENTS:

Below is a list of accomplishments categorized by CCMP priorities established at the August 1, 2003 workshop. There are two top priorities – preservation and restoration of wetlands and the prevention, control, and eradication of invasive species. The other six priorities are not in any order. Some of these activities may fall under several CCMP priorities, but for simplification, they are listed once.

Expand, restore and protect Bay-Delta wetlands.

- Provided technical, public outreach, and administrative staff assistance to improve agency coordination in the restoration of wetlands. This included the San Francisco Bay Wetlands Restoration Program, JARPA permit center and South Bay projects.
- Repaired construction on the Delta In-Channel Island pilot project and continued monitoring its biotechnical stabilization and habitat creation on two other islands.
- Worked with San Francisco Estuary Institute, and others in completing the second phase in developing a wetlands monitoring program for the Bay Area that will be applied and coordinated statewide. Successfully applied for an EPA grant to complete Phase 3.
- Continued to work with the North Bay Geographic Subcommittee to begin tidal wetland restoration of a 120-acre site in Marin County.
- Using \$100,000 from the additional funds provided by Congress, carried out a small-grants program through solicitation of proposals for restoration and education projects that implemented the CCMP. Thirteen projects were selected representing neighborhood groups and non-governmental organizations from around the estuary. **(See Appendix B)**
- Participated in San Francisco Bay Joint Venture, a cooperative partnership working to protect, restore, increase and enhance all types of wetlands, riparian habitat and uplands throughout the watershed. The Joint Venture carries out the habitat goals for the estuary.

Reduce the impact of invasive species on the Estuary through prevention, control, eradication and education.

- Assisted with providing education and outreach to the public about the need to prevent the introduction and spread of invasive species to the Estuary.

- SFEP is a member of the Aquatic Nuisance Species National Task Force and the Western Regional Panel (WRP), and participated on several ANS Task Force committees, including the Public Education, Mitten Crab, Ballast Water Management Standards and Caulerpa Management Committees. Staff secured grants from the WRP and US Fish and Wildlife Service for outreach to watershed groups.
- With funding from the State Coastal Conservancy, began a signage project to educate the public about spartina eradication.
- Assisted the Spartina Project with organizing a three-day international workshop on the latest information on spartina (November 2004).

Protect and restore watersheds throughout the Estuary.

- Provided technical assistance and BMP recommendations for wetland and creek flood protection projects to Santa Clara Valley Water District, Alameda County and watershed groups working with Friends of the San Francisco Estuary.
- Provided staff support to assist the region with submitting an integrated regional watershed management plan under a State solicitation process.

Create incentives that encourage local government, landowners and communities to protect and restore the Estuary.

- Continued working with Friends of the Estuary and the Bay Area Water Forum to encourage local governments to develop policies that protect wetlands, riparian corridors, water quality and upland areas.

Minimize or eliminate pollution of the Estuary from all sources.

- Provided administrative, organizational and technical support to the CBDA Drinking Water Quality Program for over 12 projects to improve drinking water (\$3 million).
- Worked with the Brake Pad Partnership to identify and prevent impacts on surface water quality that may be caused by the use of automotive brake pads (State grant)
- Provided technical and communication assistance to the Regional Water Quality Control Board (TMDL Process) and administrative, outreach and oversight of Supplemental Environmental Projects in lieu of Administrative Civil Liability fines.
- Began development of testing procedures for diazinon and chlorpyrifos replacement pesticides. (State grant)
- Provided education, outreach and technical assistance for implementation of the TMDL for Diazinon and Pesticide-Related Toxicity in San Francisco Bay Area Urban Creeks. (State grant)
- Provided technical and administrative support for developing recommendations for wetland design and management options to reduce methyl mercury, monitoring protocols and tools for calculating load reductions based on monitoring data. (State grant)

Increase public awareness of the Estuary's natural resources and the impacts of human

activity on them.

- Organized the 3rd biennial CALFED Science Conference held October 4-6, 2004 in Sacramento with over 1300 attendees; and produced the *2004 State of the Estuary Report* based on the information presented at the 2003 SOE conference.
- Continued educating the development/construction communities, consultants, and municipal staff about the need for using best management practices to prevent erosion and control sediment from construction sites by conducting workshops (8 workshops with 600 attendees) and updating and distributing guides, manuals, videos, and CDs on these issues.
- Organized the 3-day 2005 State of the Estuary Conference to be held Oct. 4-6, 2005 at the Kaiser Convention Center in Oakland and the August 5, 2005 CCMP Workshop. Writing is underway for the 2005 Environmental Report Card.
- Assisted the Interagency Ecological Program with organizing its annual conference in Asilomar, CA, March 1-3, 2005 with approximately 200 attendees.
- Provided assistance to the CA Department of Boating and Waterways (DBW) for educating recreational boaters about preventing pollution by using pump-out stations. Distributed 50,000 maps with pump-out stations in San Francisco Bay and Delta. Provided assistance to the Water Board with determining the need for a pump-out station in Tomales Bay. With funds also provided by DBW, acted as fiscal agent for similar activities by sister NEP in Santa Monica Bay.
- Continued to inform and educate the public and decision-makers about the need to restore and protect the Bay-Delta Estuary distributing information sheets and producing the bimonthly news-letter, *ESTUARY*. Updated SFEP web site with improved design and access.
- Continued organizational and administrative support for *CCMP* Implementation by providing assistance to the CCMP Implementation Committee, Friends of the San Francisco Estuary, San Francisco Estuary Institute, and the Association of National Estuary Programs.

Expand the Regional Monitoring Program to address all key CCMP issues, including pollution, wetlands, watersheds, dredging, biological resources, land use and flows. Integrate the results of scientific monitoring into management and regulatory actions.

- Provided administrative and technical support to the CBDA Bay-Delta Science Program for many scientific/research studies and workshops needed by CALFED Programs – Ecosystem Restoration, Watershed Management, and Drinking Water Quality. This information adds to CCMP implementation.
- Working with the San Francisco Estuary Institute and other partners, produced a report, the *Development of Environmental Indicators of the Condition of the San Francisco Estuary* (May 2004). Working with a Steering Committee and Battelle organized a workshop to develop collaboration, commitment and a funding strategy for the indicators (Jan. 2005).

- Provided administrative and technical support to San Francisco Estuary Institute in updating/maintaining the Bay Area Wetlands Project Tracker, a web-based information system for past and ongoing wetland restoration/creation/enhancement activities (EPA Wetlands grant).
- With funding from the Clean Estuary Partnership and several supplemental environmental projects, provided technical support for maintaining the RWQCB's Electronic Reporting System for Bay Area dischargers.

Promulgate baseline inflow standards for San Francisco, San Pablo and Suisun Bays to protect and restore the Estuary ecosystem.

- Worked with Friends of the Estuary and participate on the ABAG/CBDA Task Force/Bay Area Water Forum to increase awareness and coordination of the need for restoring and maintaining a healthy San Francisco Bay and protecting the interests of the Bay Area.
- Provided technical and administrative support to CBDA Science Program for research and scientific studies related to the Environmental Water Account, Delta Improvement Package and other projects related to flows.

6. CCMP IMPLEMENTATION STRUCTURE:

Current Status of the San Francisco Estuary Project - The importance and complexity of the Bay-Delta Estuary presents a significant challenge to its managers. This challenge is made more daunting by the need to strike a reasonable compromise between the compelling need for environmental protection, on the one hand, and competing uses of Estuary waters and resources, on the other. Given California's current fiscal crisis, the Estuary Project and its partners have struggled to maintain support for continued implementation of the CCMP. With the limited funds available, the CCMP is being effectively carried out, but only through the cooperation and coordination of all the agencies and entities working to restore the Estuary.

This collaboration continues the consensus process with which SFEP developed the CCMP. Agencies and non-governmental organizations are currently carrying out many CCMP actions under existing authorities. SFEP participants and staff are involved in many restoration efforts and actively seek funds for implementation through grant writing and collaborative partnerships. The CCMP implementation structure is intended to coordinate these activities, promote partnerships among diverse Estuary stakeholders and support community-based environmental stewardship.

Executive Council – The CCMP called for the Executive Council to provide broad policy direction and primary responsibility for putting the CCMP into effect. Five members comprise the Council: US EPA Regional Administrator, Region 9; US Fish and Wildlife Service California Nevada Operations Manager; Secretary, California EPA; Secretary, California Resources Agency; one local government representative (ABAG and Sacramento Area Council of Governments alternate this position every two years). The Executive Council meets as needed, approves the annual work plan and budget and provides guidance to SFEP through the Councils' members on the Implementation Committee.

The Implementation Committee (IC) – The IC coordinates implementation activities, sets priorities and recommends work plans and budgets to the Executive Council for approval. The IC is comprised of 35 representatives from local/state/federal agencies, business/industry and environmental organizations. Three geographic subcommittees established by the IC use watershed-based approaches to address issues in the North Bay, South Bay and Delta.

Friends of the San Francisco Estuary – Established by the Estuary Project in 1991, Friends of the San Francisco Estuary is a non-profit organization, with an independent board of directors, which seeks to increase public involvement in the decision-making processes of managing the Estuary. Friends builds broad-based public awareness and understanding of the CCMP and its actions and projects. To achieve this goal, Friends provides educational outreach to the adult public, and supports the Estuary Education Program begun by the Estuary Project.

The Education Program provides teacher workshops, a variety of outreach and action programs for teachers and students interested in improving a local habitat, and field sessions that provide in-depth and firsthand knowledge of the Estuary environment. Friends receives funds from public and private entities for environmental restoration projects in lieu of fines that were issued by the Water Board. By leveraging these funds, Friends has increased its work with local communities, teachers and students to build public understanding of the value of the Estuary's natural resources and, specifically, the need to restore and enhance wetlands. Friends supports teachers, students and interested citizens throughout the Estuary that are studying local natural habitats in-depth, adopting these habitats and carrying out restoration projects.

Additionally, through contracts and agreements with agencies and entities around the Estuary, Friends provides fiscal agent services for projects and activities that implement the CCMP. These include the continuing support for the Electronic Reporting System for Bay Area dischargers; restoration and educational projects for the Coastal Conservancy; the review/ evaluation of design and engineering for the creation of an eel grass bed project for the Port of Oakland; and stormwater pollution prevention outreach to local governments in the North Bay.

San Francisco Estuary Institute (SFEI) – The CCMP calls for SFEI to carry out its research and monitoring program. SFEI is a non-profit organization with an independent and diverse board of directors. Its mission is “to foster development of the scientific understanding needed to protect and enhance the San Francisco Estuary through research, monitoring, and communication.” The Institute conducts monitoring and research that generates information upon which decision makers can draw. SFEI's largest program is the Regional Monitoring Program (RMP) for Trace Substances, which is funded by Bay Area dischargers (about \$3 million annually). RMP results are presented in SFEI's Annual Report. SFEI also conducts several other contaminant related projects.

The Institute also has important research projects in wetlands, watersheds, historical ecology, and biological invasions, several of which are funded by CALFED. SFEI developed a web-based system for regional access to wetland data and GIS maps and launched a new web site to track wetland projects around San Francisco Bay. The Wetlands Tracker reports the size, location, status, purpose, sponsors, and contact people for past, present, and proposed wetland restoration, enhancement, and mitigation projects. The web address is <http://www.wetlandtracker.org>. SFEI's information is disseminated to agencies, universities, schools, media and the public through its website and written reports.

SFEI and SFEP collaborated on several projects this past year, including the development of a wetlands monitoring program for the Estuary; building consensus on a suite of ecosystem indicators; invasive species issues; and developing a funding strategy for CCMP implementation.

The CCMP and the California Bay-Delta Authority (CBDA) – Established in 1995, the CALFED partnership of state and federal agencies and the involvement of many interest groups continue to make progress in its goal to stabilize, protect, restore and enhance the Bay-Delta Estuary. Many of the same agencies and interest groups that were involved in the development of

the CCMP participate in CALFED's committees and continue to work on lasting solutions to the Estuary's many serious and complex problems.

In 2002, State lawmakers passed legislation establishing the California Bay-Delta Authority (CBDA), a state agency that oversees the Bay-Delta Program and is housed under the Resources Agency. CBDA spends time, energy and hundreds of millions of dollars to address very complex issues that are of critical importance to the Bay Area and its watershed. SFEP works with its partners to urge CBDA to provide more resources for Bay Area restoration and research projects, require more water conservation efforts and establish freshwater flow standards for the Bay.

By collaborating on mutually beneficial activities, SFEP and CBDA have accomplished mutual goals. SFEP has assisted CBDA with organizing its Science conferences and workshops and provided administrative and technical support for many research projects, science boards and experts through a 3-year, \$23 million contract that ended May 30, 2005. This work carried out many CCMP actions. Contract negotiations to continue these joint efforts in a new agreement have been unsuccessful. SFEP will continue to seek ways to collaborate with CBDA.

7. STAFF ACTIVITIES/PRODUCTS:

To carry out its mandate, the Estuary Project requires a variety of managerial and administrative support activities as well as staff and a program manager. Staff will carry out the professional, technical, and administrative tasks necessary to support the Estuary Project, Water Board, and Friends of the San Francisco Estuary in CCMP implementation.

Staff will continue to coordinate state/federal/local efforts to implement the CCMP through the Executive Council, Implementation Committee, subcommittees and workgroups, while improving outreach to agencies and other cooperative and collaborative efforts to improve the Estuary's health. The Implementation Committee and the Executive Council will be assisted by staff in developing work plans to execute priority actions. Staff regularly work with partners to seek and obtain additional funds for CCMP implementation.

Tasks: initiate coordinated, collaborative and cooperative activities that implement the CCMP and where possible, work with CBDA; write/submit proposals for additional funds to implement the CCMP; educate the public on the need to prevent and control invasive species in the Estuary, including support for the National Aquatic Nuisance Species Task Force, its Western Regional Panel, Public Education, Mitten Crab Control, and Caulerpa Management Committees; provide assistance for the spartina educational signage project; provide assistance and support for wetland and watershed protection and restoration efforts throughout the Estuary, including the San Francisco Wetland Restoration Program; work with the San Francisco Estuary Institute on Phase III of the Wetlands Regional Monitoring Program for the Bay Area and the Wetlands Tracker; support dredging and waterway modification issues consistent with CCMP objectives including a sediment management plan and Subtidal Goals for the Estuary; continue a public involvement program, including more multicultural outreach; provide follow-up for 2005 State of the Estuary Conference, distribute the *2005 Environmental Report Card* and produce the *2006 State of the Estuary Report*; work with the RWQCB to provide public involvement and research support for the Total Maximum Daily Load (TMDL) process; provide support for developing tools to measure possible water quality impacts from replacement pesticides for discontinued organophosphate pesticides and provide outreach and education in implementing the Urban Pesticide TMDL; continue an expanded boater education program in the San Francisco Estuary and Santa Monica Bay; work with RWQCB/Friends to continue erosion control education and outreach; working with partners, develop design and management options that minimize mercury in wetland restoration for San Francisco Bay; work with the North Bay Geographic Subcommittee on a wetland restoration project; assist with the South Bay restoration of salt ponds

as requested; provide technical support to the Santa Clara Valley Water District, Alameda County and Caltrans for pollution prevention, stormwater management and creek restoration activities; work with the Brake Pad Partnership to identify and prevent impacts on Estuary water quality that potentially arise from the use of automotive brake pads; carry out a small grants program; continue assistance with the development and monitoring of a suite of ecosystem indicators; improve and monitor effectiveness of the Delta in-channel island demonstration projects; carry out the long-term financial and implementation strategy for CCMP implementation; provide support for Implementation Committee targeted projects; provide support for National Estuary Program activities; provide required annual reports to US EPA, including the Government Performance and Results Act (acres of habitat acquired, restored and enhanced in the Estuary), accounting separately for additional Congressional Funds, Travel, and CCMP Actions Implemented for the year; provide financial expertise, contract administration, clerical and logistical support; maintain web site; organize meetings and distribute informational materials; and provide monthly financial reporting and budget assistance. Staff will prioritize tasks and seek innovative, economical, cooperative projects, as well as additional funding sources to implement the CCMP.

Products: demonstration projects to restore and enhance natural resources; scientific and regulatory initiatives; institutional innovation such as education and outreach on the need for erosion control and pollution prevention; Phase III of the Wetlands Regional Monitoring Program and progress on the Wetlands Tracker; increased awareness of elected officials about the need for Estuary restoration and protection; public meetings and presentations focusing on priority CCMP actions, as well as the encouragement of broad-based public involvement in the TMDL process and CCMP implementation; a *2006 State of the Estuary Report*; assistance with a *spartina* education signage program; a boater education program to educate recreational boaters about pollution prevention in the San Francisco Estuary and Santa Monica Bay; preliminary monitoring reports for the Brake Pad Partnership; draft tools to measure possible water quality impacts from replacement pesticides for discontinued organophosphate pesticides; an outreach/education program that implements the Urban Pesticide TMDL; progress in developing and monitoring ecosystem indicators; preliminary work on pilot projects to reduce impacts of mercury in wetland restoration; a small grant program; six issues of *ESTUARY* newsletter; reprinted and revised information sheets, booklets and brochures; response to public inquiries; cosponsorship activities; organized and well-managed meetings (appropriate meeting packets, briefing materials, and summaries); technical oversight; effective contract management; oral and written staff recommendations; decision memoranda; required annual US EPA reports; and monthly and quarterly reports.

FFY 2005-06 ABAG/RWQCB Work Plan

Task I. CCMP Implementation - SFEP Administration/Management

"The cornerstones of effective implementation are: early implementation efforts; an organizational structure that will promote a continued partnership and that will sustain commitments to implementation; a strategy for implementation; a means to monitor the effectiveness of the Plan's actions; and a way to ensure broad public support for and involvement in realizing the Plan's goals." CCMP

Subtask 1.1 – Postage and Mailing Costs - The San Francisco Estuary Project needs to provide the public with information and materials pertaining to itself, its committees, CCMP implementation, and Friends activities. Mailing costs and postage for the *ESTUARY* newsletter are included in the budget. (\$10,800) - *Ongoing Subtask*.

Subtask 1.2 – Travel, Education and Conferences - To facilitate CCMP goals, SFEP staff should attend and participate in appropriate educational conferences and trainings. The Estuary Project, RWQCB and Friends should also participate in and be represented at public meetings and conferences. In compliance with 2004 NEP funding guidance, funds are included in this agreement for NEP outreach support to cover travel for SFEP officials and participants to: report on SFEP activities at national and international conferences; attend NEP meetings; and provide peer-to-peer assistance to other NEPs. (\$10,000) - *Ongoing Subtask*.

Subtask 1.3 – Printing - The public needs to know about and receive materials pertaining to the activities of SFEP and its committees, CCMP, and Friends. Materials necessary to the maintenance of SFEP and Friends will be printed. These materials include, but are not limited to 3400 copies of *ESTUARY* newsletter six times per year; meeting materials; revised information sheets; flyers; announcements; documents; reports; labels; and directories. (\$14,500) - *Ongoing Subtask*

Subtask 1.4 – Program Management - SFEP core staff develop and implement the work plan and budget, including EPA annual reports (GPRA, CCMP implementation, etc.) Staff will organize and coordinate implementation of CCMP actions, support the Estuary Project's committees, Friends, and the RWQCB. Staff will also manage contractors, work with other groups and agencies, and seek new funding sources through grant and proposal writing. Budget includes partial funding for salary, benefits, and other fixed costs for five staff and a program manager. (\$252,563) - *Ongoing Subtask*

Products: development and implementation of annual work plan and budget; monthly accounting reports; quarterly and annual reports; US EPA required annual reports (GPRA, travel, etc.); administrative/staff support of SFEP and Friends meetings; RWQCB support; meeting materials and summaries; contract management; personnel supervision; decision memoranda; grant writing; necessary competitive bid processes (RFPs and RFQs); mailings; printed materials; attendance/participation at required NEP/EPA meetings; and other managerial support.

Task I. Subtotal: \$287,863

Task II. - CBDA Science Program Support

Priority:

Continue, sustain, and expand the Regional Monitoring Program to address all key CCMP issues, including pollution, wetlands, including mitigation measures, watersheds, dredging and sediment transport, biological resources, land use and flows; and integrate scientific monitoring results into management and regulatory actions.

Priority:

Promulgate baseline inflow standards for San Francisco, San Pablo, and Suisun Bays to protect and restore the Estuary

CCMP Action AR- 1.1 - Refine and coordinate existing monitoring programs to: (i) better evaluate ecosystem responses to immediate, phased, and long-term water quality and flow standards; (ii) more fully characterize ecosystem processes and properties; and (iii) enhance predictive capabilities of ecosystem models.

Subtask 2.1 – Provide Organizational Support for CBDA Science Conference - SFEP will assist with organizing the 3-day October 2006 Science Conference, including logistical, registration, program, poster sessions, publications, brochures, accounting support and additional support as directed. Funds included in CBDA/SFEP/ABAG agreement. (\$265,000) - *Ongoing Subtask*

Subtask 2.2 – Provide Documentation of October 2005 State of the Estuary Conference - SFEP will provide writing, editing, layout/graphic design of the 2006 State of the Estuary Report, documenting the 3-day 2005 SOE Conference. The Report will be about 80 pages with tables, photos, graphics prepared in an easy-to-understand format of presentations from the Conference. CBDA will provide partial support for the Report through the CBDA/SFEP/ABAG agreement (\$20,000) - *Ongoing Subtask*

Products include: Three-day 2006 CBDA Science Conference; copies of conference materials; 2200 copies of an 80-page 2006 State of the Estuary Report; accounting and managerial support.

Task II. Subtotal: \$285,000

Task III. CCMP Implementation - Measuring Success

Priority:

Increase public interaction with the Estuary's natural resources, encourage stewardship, promote the values ecological processes provide to human activities, and promote awareness of the effects of human activities on them. Clean Water Act: Section 320 (b) (6): monitor the effectiveness of actions pursuant to the plan.

CCMP Action PI-2.6 - Hold a State of the Estuary Conference at least every other year.

Evaluating and Tracking CCMP Implementation

The Estuary Project evaluates and tracks the progress of CCMP implementation every two years by: 1) producing a *Bay-Delta Environmental Report Card* that reviews the progress made in Bay-Delta environmental management; 2) organizing a three-day State of the Estuary Conference; 3) organizing a workshop to get public feedback on the *Report Card*, CCMP implementation structure and to re-evaluate CCMP priorities; and 4) producing a *State of the Estuary Report* that summarizes the information presented by scientists at the State of the Estuary Conferences. The *Report Cards* provide detailed information in an easy-to-read format and review progress in implementing CCMP action priorities that were set in previous years.

Subtask 3.1 – Monitoring CCMP Implementation - The Bay-Delta Environmental Report Card and CCMP Workshop - SFEP will hold a public workshop August 5, 2005, where participants will re-evaluate CCMP priorities, implementation progress, and institutional structure. A draft and final *Environmental Report Card* will be produced and distributed to the public and Congressional Delegation in Fall 2005. The *Report Card* reviews the progress made in Bay-Delta environmental management through a systematic listing and evaluation of CCMP implementation efforts since the previous *Report Card*. The outcome from the CCMP workshop and conference assists staff in setting priorities, developing the annual work plan and seeking and allocating funds to implement the CCMP. SFEP will focus its CCMP implementation efforts on those priorities set at the August 5, 2005 CCMP Workshop. Costs are included in the last year's budget. - *Ongoing Subtask*

Subtask 3.2 – State of the Estuary Conference and Report - The SOE conference provides the opportunity for scientists, managers, interest groups and the public to link SFEP and CCMP implementation to other ecosystem management programs/activities, address challenges, provide education and solicit feedback on CCMP implementation. It also provides a forum to hear about new research and monitoring data, political and scientific impacts on environmental policy, and priority ecosystem management issues. The conference will be held October 4-6, 2005 at the Kaiser Convention Center in Oakland. Tasks include: conference follow-up; writing/producing SOE Report; accounting procedures and internet capability. Registration fees and cosponsorships will cover this task. (\$75,000) - *Ongoing Subtask*

Subtask 3.3 – Indicators of Ecosystem Health - Working with SFEI and other partners, a suite of ecosystem indicators has been proposed for the San Francisco Estuary. Work continues on refining the indicators and collaborative partnerships are being sought with agencies to track the indicators. SFEP tracks one indicator, habitat - the acquisition, restoration and enhancement of wetlands and riparian habitat. The information is recorded in the annual Government Performance and Results Act report required by US EPA. SFEP will allocate some funds for this task from the additional base funding provided by Congress. See Subtasks 11.3 and 11.4. - *Ongoing Subtask*

Products include: distribution of the *2005 Bay-Delta Environmental Report Card*; a *2006 State of the Estuary Report*; and the habitat indicator presented in a GIS format.

Task III. Subtotal: \$75,000

Task IV. CCMP Implementation - Public Involvement and Education

Priority:

Increase public interaction with the Estuary's natural resources, encourage stewardship, promote the values ecological processes provide to human activities, and promote awareness of the effects of human activities on them.

CCMP Action PI-1.1 - Build awareness, interest, and support in the general public and decision-makers for the CCMP's goals and action plans.

Subtask 4.1 – Public Information - Staff will respond to inquiries from the public concerning the SFEP, the Estuary and its issues, the CCMP and Friends. Using existing materials as time and budget permit, staff will continue scheduling and making presentations to diverse interest groups, the general public and decision-makers. Staff and Friends volunteers will present slide shows, videotapes and displays at conferences, public meetings, festivals and schools. Working with the RWQCB and Friends, SFEP will provide outreach to elected officials. Funds included in the budget for printing. (\$2,000) - *Ongoing Subtask*

CCMP Action PI-1.2 - Provide and encourage opportunities for direct citizen involvement in implementing the CCMP.

Subtask 4.2 – Citizen Involvement in CCMP Decision-Making - CCMP implementation is dependent upon broad-based citizen involvement. Staff and consultants working with Friends, the RWQCB and the media will continue development and distribution of information pertaining to CCMP progress, and will encourage citizen discussion of CCMP implementation and Estuary restoration issues. Staff and consultants will facilitate feedback mechanisms to bring discussion outcomes to the attention of government decision-makers and the CCMP lead agencies (newsletter and public meetings). Emphasis will be placed on outreach to targeted audiences, including local government, multicultural groups (see Subtask 4.6 and 4.7 below), and improved

communication between Friends' constituencies and CCMP lead agencies. Staff will continue efforts to expand communication with CBDA and other state/federal research and management programs. (\$10,000) - *Ongoing Subtask*

CCMP Action PI-1.5 - Ensure provisions for a central collection and distribution (a clearinghouse) point for communication and coordination of all information concerning CCMP issues and the Estuary.

Subtask 4.3 – ESTUARY Newsletter - The bimonthly newsletter provides an independent Bay-Delta news source covering ecosystem-wide water issues, estuarine restoration efforts, and CCMP implementation. Its broad-based editorial board attempts to go beyond the boundaries of a single agency/organization-centered newsletter by aiming to create a balanced, multi-interest, interagency and interdisciplinary perspective. Aggressive marketing through subscriptions and small grants from other agencies has raised funds to cover some costs of *ESTUARY*. The budget includes production of six issues (3400 copies each), writing, editing, and design of an eight-page, two-color newsletter with maps, photos and graphics. The newsletter web address is www.estuarynewsletter.com. Postage and printing are included in administrative costs in Task I. (\$34,800) - *Ongoing Subtask*

Subtask 4.4 – San Francisco Estuary Project on the Internet - SFEP continues to update its homepage with improved design and access. Staff determine the function and use of the homepage, necessary information to be included, links to appropriate agencies and programs (which include San Francisco Estuary Institute and CBDA), and enter the information on the homepage. Many of SFEP's reports, information sheets, and documents are available. SFEP's web address is: <http://sfep.abag.ca.gov/> In addressing SFEP's needs to update our web site, we are using a phased approach. SFEP proposes to continue providing an opportunity for hiring one or more SFEP/Friends interns to assist with outreach, program support, grant-writing, and field work. Funds are included in the EPA/SFEP/ABAG agreement for web site maintenance. (\$3,000 for the web site and \$2,500 for interns) - *Ongoing Subtask*

Subtask 4.5 – CCMP Publicity and Media Outreach - The purpose of publicity and media outreach is the broadening of public awareness, creating greater public prominence for CCMP implementation efforts, SFEP, Friends, San Francisco Estuary Institute, and their programs and products, and encouraging public support of CCMP activities. Staff and or consultant will maintain contact with print, radio and TV media. Costs are included in the program management budget. - *Ongoing Subtask*

CCMP Action PI-2.1 - Develop, promote, and support multicultural understanding of and involvement in Estuary issues and the decision-making process for these issues

Subtask 4.6 – Fish Education Work Group - The work group meets on an as needed basis and provides outreach and education to increase anglers' awareness about the appropriate consumption levels of contaminated fish caught in San Francisco Bay. Staff assist as needed. Members include: Office of Environmental Health Hazard Assessment, CA Dept. of Health Services, San Francisco and Alameda County Health Depts., Save the Bay Assoc., and other environmental and neighborhood groups. Costs are included in the program management budget. - *Ongoing Subtask*

Subtask 4.7 – Richmond High School Creek Keepers - This project provides environmental employment and training opportunities for 5-6 inner-city youth each year to restore Contra Costa County's Wildcat Creek Watershed. The primary goal of the project is providing leadership opportunities for youth to implement real-world hands-on restoration and/or public education and

involvement projects. This is a joint effort with the RWQCB and Friends of the Estuary. The program has successfully raised funds through grants and donations to maintain it. Costs are included in Friends budget. (\$20,000) - *Ongoing Subtask*

CCMP Action PI-2.5 - Assist in the development of long-term educational programs designed to prevent pollution to the Estuary's ecosystem and provide assistance to other programs as needed.

Subtask 4.8 – Boater Education Program - SFEP and its partners the CA Department of Boating and Waterways, the Santa Monica Bay Restoration Commission, San Francisco Bay Regional Water Quality Control Board (RWQCB) and other government agencies, and interest groups, have developed a public education program to build environmental awareness for recreational boaters and to encourage their use of pump-out stations in order to prevent pollution. The 2005-2006 program continues to focus on targeted outreach to Bay-Delta marinas and boaters on the need for pump-out stations and how to use them. SFEP continues to work with the RWQCB to determine the need for pump-out stations in Tomales Bay. Costs for SFEP and SMBRC staff, consultants, outreach materials, printing, graphics, contract oversight and accounting procedures are included in the ABAG/DBW contract. (\$100,000) - *Ongoing Subtask*.

Subtask 4.9 – Construction Site Planning and Management for Water Quality Protection - SFEP works with the RWQCB, Friends of the Estuary, developers/contractors, Home Builders Assoc., local governments and the interested public to organize workshops throughout the Bay region about using Best Management Practices to prevent erosion and sediment problems resulting from construction projects. SFEP will organize 8-10 workshops, provide a certification program for those attending the workshops, revise and print educational materials, inspector field manuals and guidebooks as needed. The two award winning videos have been translated into Spanish, will be updated and marketed and distributed. A CD with many of the workshop materials and slideshows has been developed and is being marketed. Due to demand, the program is committed to raising funds to continue the workshops, expand the certification program and market workshop materials. Costs included in Friends and SFEP budgets. (\$65,000) - *Ongoing Subtask*

CCMP Action PI-2.2 - Work with education groups, interpretive centers, decision-makers, and the general public to build awareness, appreciation, knowledge, and understanding of the Estuary's natural resources and the need to protect them.

CCMP Action PI-3.1 - Increase public opportunities to contribute directly to protection and management of fish and wildlife populations and their habitats within the Estuary.

CCMP Action PI-3.3 - Provide opportunities for hands-on citizen action in Estuary restoration activities.

Subtask 4.10 – Estuary Education Program - The Friends of the Estuary Education Program carries out the CCMP Public Involvement and Education Program. Its focus is on student/teacher education and working with neighborhood groups, students, local government and agencies to increase public awareness of the Estuary's environmental and economic value and to foster stewardship of the Estuary. SFEP staff support the program through administrative assistance, grant writing, contract oversight, accounting procedures, graphic design, and outreach. Additionally, staff work with over 21 other organizations that provide similar educational programs, including: Save the Bay, Aquatic Outreach Institute, Adopt-a-Watershed, Urban Creeks, and the Martinez Land Trust. Estimated costs included in staff budget and Friends budget. (\$50,000) - *Ongoing Subtask*

CCMP Action LU-4.1 - Educate the public about how human actions impact the Estuary.

Subtask 4.11 – Information Exchange and Cosponsorships - Working with agencies and public interest groups, SFEP will provide opportunities for the public to learn about the Estuary, ways to solve estuarine problems, learn from each other through information exchange, workshops, and other activities. Staff will seek funds to organize and to cosponsor educational workshops, fairs, and meetings. Some costs included in staff budget and Friends budget. (\$3,000)
- *Ongoing Subtask*

Subtask 4.12 – Supplemental Environmental Projects (SEPs) - Local environmental education and restoration projects can be funded through Administrative Civil Liabilities that are imposed by the Water Board against dischargers for violations. Projects must conform to guidelines set by the State and Regional Water Boards. Staff provide required evaluation, administration, outreach, tracking and oversight required by the SEPs. Costs included in ABAG/RWQCB contract - (\$30,000) - *Ongoing Subtask*

Products include: presentations to diverse interest groups, decision-makers, agencies; response to 10-20 inquiries per week; public meetings, conferences, festivals; outreach to targeted audiences, including local government and the media; constituency development; development of appropriate educational materials; providing a high school student intern program; the production and distribution of six issues of *ESTUARY*; SFEP presence on the internet; continued broad-based citizen involvement in CCMP implementation; distribution of information about the CCMP to the public; multicultural outreach; pollution prevention education including, targeted boater education, boaters' maps and erosion control workshops; a survey of marinas to determine the adequacy of pump-out stations and recommendations to improve sewage disposal and assistance to the State with a public process; support for citizen monitoring activities; an effective and expanded Estuary Education Program; hands-on citizen activities to restore the Estuary's natural resources; fundraising; and seeking cosponsorship opportunities; and administrative and outreach support for SEPs.

Task IV. Subtotal: \$320,300

Task V. CCMP Implementation - Aquatic Resources Management

Priority:

Reduce the impact of invasive species on the Estuary through prevention, control, eradication and education.

CCMP Action AR-2.1 - Develop, implement, and enforce stringent regulations to control discharges of ship ballast water within the Estuary or adjacent waters.

CCMP Action AR-2.2 - Prohibit the intentional introduction of aquatic exotic species into the Estuary and its watershed.

Subtask 5.1 – Invasive Species and Ship Ballast Water Exchange Outreach/ Education - As a CCMP priority, SFEP assists with implementing the Invasive Species Act of 1996 and its reauthorization. SFEP participants and staff serve on the Aquatic Nuisance Species National Task Force, the Western Regional Panel's (WRP) Coastal Subcommittee, the ANS Task Force's Public Education and Outreach, Mitten Crab Control, Caulerpa Management, and the Ballast Water Exchange Standards Committees. SFEP assists RWQCB, US FWS, Sea Grant, SFEI and others as requested with providing education and outreach to the public, maritime industry and ports associations about ballast water issues relating to exotics. SFEP received funds from the WRP to develop a prototype for an early detection program for watershed groups. Early detection is

critical for cost effective and successful eradication/control of invasive species. Funds provided by WRP (\$15,000); Sea Grant (\$12,000); FWS (\$5,000) and additional costs are included in program management budget. (\$32,000) - *Ongoing Subtask*

Subtask 5.2 – Invasive Spartina Project - SFEP will assist the Spartina Project with a public information signage program. SFEP will assist with registration and logistics for the conference. The signage program is part of the Spartina Project's public outreach efforts to educate marsh and bayland user groups about non-native invasive *Spartina* control operations. The signage will address issues and concerns that may arise from control measures or to sensitize users to the need for control efforts. Funds provided by the Spartina Project through its partner the Coastal Conservancy and conference registration income. (\$40,000) - *New Subtask*

Priority:

Expand, restore and protect Bay-Delta wetlands and contiguous habitats.

CCMP Action AR-4.9 - Promote the maintenance and development of tulle islands, tidal wetlands, and offshore berms to protect against erosion and to provide detrital input and juvenile fish nursery habitat.

CCMP Action WT-1.2 - Encourage geographically focused cooperative efforts to protect wetlands.

Subtask 5.3 – Delta In-Channel Island Workgroup (DCI) - In-channel islands are intertidal or slightly higher lands left behind when levees were initially constructed from material dredged from Delta channels. They provide habitat for endangered plants, wildlife and fish. SFEP has provided staff support for the DCI since its inception. The DCI developed a management strategy for the preservation/restoration of in-channel islands and selected demonstration sites to test the effectiveness of biotechniques that create and enhance habitat. CBDA and the Delta Levee Flood Protection Program have funded design, construction and monitoring of biotechnical bank stabilization projects on three islands. The DCI is using adaptive management to repair a failed technique on one of the islands. Building on the information gained from these past projects, the DCI continues to seek funds for completing an inventory of in-channel islands and projects on other priority in-channel islands. Funds provided in CALFED/NFWF 5-year contract. Funds for 2005-2006 and match. (\$60,000) - *Ongoing Subtask*

Priority:

Promulgate baseline inflow standards for San Francisco, San Pablo and Suisun Bays to protect and restore the Estuary.

Objective WU- 2 - Develop water conservation methods and facilities to increase the availability of fresh water for instream uses and water supply.

CCMP Action WU-2.3 - Water conservation feasibility studies shall be completed and implemented by municipalities and/or water districts.

CCMP Objective WU-3 - Improve the legal and regulatory mechanisms to facilitate the voluntary transfer of water in order to increase the availability of fresh water for instream uses and water supply.

CCMP Action AR-4.1 - Adopt water quality and flow standards and operational requirements designed to halt and reverse the decline of indigenous and desirable non-indigenous estuarine biota.

CCMP Action AR-5.1 - Identify alternative long-term water quality and flow standards,

water management measures, operational changes, habitat improvements, and facilities as needed to manage the estuarine aquatic resources (including water) for optimum benefit.

Subtask 5.4 – Bay Area Water Forum (BAWF) - In 2004, the CBDA Task Force comprised of locally elected officials and representatives of water districts and other stakeholders from the Bay Area reorganized as the BAWF. Its purpose is to increase coordination and collaboration between locally elected officials and water agencies on the need for restoring and maintaining a healthy San Francisco Bay and protecting the interests of the Bay Area. It provides a unified Bay Area voice to the CBDA programs and helps coordinate CBDA projects with Bay Area needs, including CCMP priorities. The Task Force's Water Management Subcommittee is focusing on smart growth and land use planning as they relate to water demand. In an effort to provide better coordination and reduce duplication of effort, members of the Task Force also serve on the Implementation Committee. SFEP assists as requested and as resources allow. - *Ongoing Subtask*

Products include: education and outreach to prevent introduction and spread of non-indigenous species, including those related to ship ballast water; an ANS early detection booklet; an educational signage program on invasive *spartina*; Delta in-channel islands Work Group support; adaptive management (repair of failed biotechnical method) and monitoring of in-channel island demonstration project; and coordinated efforts to increase CBDA awareness of the need to provide resources on Bay Area issues/projects.

Task V. Subtotal: \$132,000

Task VI. CCMP Implementation - Wetlands Management

Priority:

Expand, restore and protect Bay-Delta wetlands and contiguous habitats.

CCMP Action WT-1.1 - Prepare Regional Wetlands Management Plan(s).

Subtask 6.1 – Regional Wetlands Management Plan and San Francisco Bay Wetland Restoration Program (SFBWRP) - A regional approach is needed to improve agency coordination of regulatory programs, identify projects, develop a wetlands monitoring plan and protocols, develop mitigation banking guidelines, build public and decision-makers' awareness of wetlands values, etc. The SFBWRP seeks to complement private and public habitat restoration efforts, and to augment the existing project development, review, and permitting processes. The Program consists of four components: Design Review, Monitoring, Policy and an Executive Council. Insufficient funds are available to staff this task. Agencies will provide in-kind support and seek grants to carry out the work. See Task 11.7 SFEP will provide funds for monitoring/design review - *Ongoing Subtask*

Subtask 6.2 – Baylands Ecosystem Habitat Goals and Species and Community Profiles - The Goals Project identified and recommended types, amounts, and distributions of wetlands and related habitats needed to sustain diverse and healthy communities of fish and wildlife in the Bay Area. The Goals serve as a basis for a regional wetlands protection policy to aid Bay Area local governments with the development of action plans. SFEP assists with public outreach and distribution of the Goals and Profiles. Costs included in Friends budget. (\$2,000) - *Ongoing Subtask*

CCMP Action WT-1.2 - Encourage geographically focused cooperative efforts to protect wetlands.

CCMP Action LU-2.2 - Adopt policies and plans to promote compact, contiguous development, in both the nine-county Bay Area and the three-county Delta region.

CCMP Action WT-3.2 - Expand existing private, state, and federal financial and technical assistance programs to individual landowners.

Subtask 6.3 – North Bay Restoration and Enhancement Activities - Many agencies, organizations, local government and landowners are involved with coordinating wetlands restoration and management and agricultural preservation efforts in the North Bay. SFEP's North Bay Geographic Subcommittee is working with many of these agencies and organizations to identify and restore wetlands in the North Bay. Staff support costs are included in the program management budget. Staff will seek additional funds for specific projects. - *Ongoing Subtask*

Subtask 6.4 – South Bay Restoration and Enhancement Activities - Many agencies, organizations and local governments are involved with coordinating wetlands restoration and management efforts in the South Bay, and particularly the restoration of the South Bay salt ponds. SFEP works with many of these agencies and organizations and will provide assistance as requested and resources are available. Staff support costs are included in the program management budget. - *Ongoing Subtask*

CCMP Action WT-3.1 - Expand wetlands acquisition programs, or establish a new Estuary-specific wetlands acquisition program.

CCMP Action WT-4.1 - Identify and convert/restore non-wetland or riparian-Oriented wildlife habitat. Purchase non-wetland areas to create wetlands.

Subtask 6.5 – San Francisco Bay Joint Venture - A cooperative partnership of public agencies and private organizations, the Joint Venture (JV) works to protect, restore, increase and enhance all types of wetlands, riparian habitat and uplands throughout the watershed. The emphasis is on protecting and enhancing waterfowl, fish and wildlife populations. Other focuses include improving working relationships, promoting coordination to maximize wetlands benefits, implementation of CCMP's Wetlands Program, and leveraging of funds in the acquisition of wetlands. RWQCB and SFEP serve on JV committees, the Board of Directors, and assist with carrying out projects and public outreach. Costs included in program management budget. - *Ongoing Subtask*

Subtask 6.6 – Joint Aquatic Resource Permit Application (JARPA) Permit Center - US EPA funded SFEP/ABAG and the Bay Area regulatory agencies to develop a single permit application form and instructions that consolidate federal, state and local permits for applicants proposing construction, fill placement, public access impingement, and development activities in or near aquatic environments and wetlands. SFEP/ABAG established a JARPA Permit Center that acts as an ombudsman for applicants involved with aquatic permitting, provides a clearinghouse of information, maintains a web site, and provides training to applicants. Staff is seeking grants to fund program. Costs included in program management budget - *Ongoing Subtask*

For related wetland activities, see CCMP Task VII. Pollution Prevention, Subtask 7.10 Wetland Design and Management Options for Control of Mercury in San Francisco Bay and CCMP Task XI. Research and Monitoring Subtask 9.3 -SF Estuary Wetlands Regional Monitoring Program.

Subtask 6.7 – Wetland Projects Tracker – Watershed Expansion Pilot Project - The Tracker is a web-based information system capable of providing both a regional and statewide perspective on past and ongoing wetland restoration/creation/enhancement activity and progress, assessment

and administrative information on individual projects. SFEP's CCMP implementation partner, San Francisco Estuary Institute will expand the Tracker as a pilot project into one Bay region watershed for monitoring uplands as well as Bay wetlands. This effort assists the public with promoting effective stewardship of wetland resources in California. A proposal has been submitted to EPA to fund this project. (\$87,500) *New Subtask*

Subtask 6.8 – Stream and Wetlands Protection Policy - SFEP, San Francisco Bay and North Coast Water Quality Boards seek to protect and restore vulnerable wetland systems in the two regions and throughout the State as a way to improve water quality and support beneficial uses. A proposal has been submitted to EPA to fund a project coordinator to oversee the development and adoption of a comprehensive Stream and Wetlands Protection Policy by the Water Boards that will protect the streams, connected and isolated wetlands, riparian areas, estuaries and floodplains. Additional tasks include community outreach that results in participation and acceptance in the protection of these vulnerable wetlands and consistency among the Water Boards, Tribes and local government. (\$159,000) *New Subtask*

Products include: participation in and staff support for wetlands planning, restoration, enhancement, and goals projects; support of wetlands acquisition; and technical, administrative and public outreach support for wetlands planning and restoration projects; a joint aquatic resource permit application permit center.

Task VI. Subtotal: \$2,000
Staff costs included in program management budget

Task VII. CCMP Implementation - Pollution Prevention and Reduction

Priority:

Minimize or eliminate pollution of the Estuary from all sources.

CCMP Action PO-2.4 - Improve the management and control of urban runoff from public and private sources.

CCMP Action PO-2.5 - Develop control measures to reduce pollutant loadings from energy and transportation systems.

Subtask 7.1 – Copper Brake Pad Partnership - Sustainable Conservation, City of Palo Alto, U.S. EPA, brake pad manufacturers, other stakeholders, and the interested public, work to reduce toxic metal discharges to the South Bay from automobile brake pads. The partnership explores non-regulatory control measures on the reformation of brake pads, develops educational tools and outreach, and seeks additionally needed technical data/research and funding. Funds are provided by public/private partnerships and special grants. Working with the partnership, SFEP provides research, communication and technical assistance for the three-year project. Funds are included in the SFEP/ABAG/SWRCB contract and match. (\$470,000) – *Ongoing Subtask*

Subtask 7.2 – BASMAA Education and Research Activities - SFEP works cooperatively as requested with BASMAA on mutual goals to educate the public on the need to reduce pollution to the Estuary from urban runoff. Support included in program management. - *Ongoing Subtask*

CCMP Action PO-2.1 - Pursue a mass emissions strategy to reduce pollutant discharges into the Estuary from point and nonpoint sources and to address the accumulation of pollutants in estuarine organisms and sediments.

CCMP Action PO-2.3 - Identify and control sources and sinks of selenium and mercury where they are accumulating in aquatic populations in the Estuary.

CCMP Action PO-2.2 - Adopt water quality objectives that effectively protect estuarine species and human health.

Subtask 7.3 – Total Maximum Daily Loads for Pollutants of Concern - The RWQCB and US EPA determined the need for establishing TMDLs for pollutants of concern. Working with stakeholders and the Clean Estuary Partnership, the RWQCB is investigating sources and source control strategies through the TMDL process and will recommend source reduction actions and an implementation strategy for pollutants identified under the Regional Monitoring Program, the Fish Contamination Study, and other regional studies. Mercury, copper, dioxens, PCBs, some pesticides and invasive species have been identified. SFEP will continue to assist the RWQCB with administrative, technical, public outreach and involvement support for the TMDL process. Costs included in ABAG/RWQCB/SWRCB contracts. (\$125,000) - *Ongoing Subtask*

See CCMP Task IV. **Public Involvement and Education for related pollution prevention activities, including: Subtask 4.8 - Boater Education Program; Subtask 4.9 - Construction Site Planning; and Subtasks 7.8 and 7.9 below.**

Subtask 7.4 – Technical Support for Water Quality Certification and Waste Discharge Requirement Applications (WDRs) - SFEP will provide technical support for reviewing and commenting on 401 permits and WDRs for the Water Board. Support includes site visits, preparing 401 recommendations and WDRs for sediment removal projects; reviewing monitoring reports and recommending BMPs for wetland, creek flood protection and transportation projects. Funds for this task are included in the ABAG/Santa Clara Valley Water Dist./Alameda County/CalTrans (*New Subtask*) contracts. (\$295,000) - *Ongoing Subtask*

CCMP Action PO-1.4 - Improve agricultural practices that reduce introduction of pollutants into the Estuary.

CCMP Action PO-1.6 - Develop a comprehensive strategy to reduce pesticides coming into the Estuary.

CCMP Action PO-2.6 - Improve the management and control of agricultural sources of toxic substances.

Subtask 7.5 – Implementation Committee Focus on Pesticides – One of the CCMP actions is to implement the Regional Monitoring plan (RMP) and integrate the results of scientific monitoring into management and regulatory decisions. The RMP has detected large pulses of pesticides entering the Estuary so the IC has educated its members, continues to monitor this problem and participates in appropriate activities to address the problem. Staff seeks funding to address this issue. Support included in program management. -*Ongoing Subtask*

Subtask 7.6 – North Bay Stormwater Outreach - Using funds provided by a Supplemental Environmental Project (SEP), SFEP is providing education and outreach to local government on stormwater management. Funds provided by a SEP fine through the RWQCB. (\$13,000) - *Ongoing Subtask*

Subtask 7.7 – Development of Testing Procedures for Diazinon/Chlorpyrifos Replacement Pesticides - This 30-month task is funded with State bond funds and its goal is to develop tools for surface water quality monitoring programs to use in identifying pesticide-related toxicity in State surface waters. A recent SFEP study found that insecticides entering the marketplace to replace diazinon and chlorpyrifos have the potential to possess immediate or widespread threats to State waters. Currently, methods do not exist that can reliably identify them as the source of

toxicity. The goal of this project is to develop procedures that can effectively accomplish this. Funds provided by SFEP/ABAG/SWRCB contract. (\$100,000) - *Ongoing Subtask*

Subtask 7.8 – Urban Pesticide Pollution Prevention - This project's goal is to provide education, outreach and technical assistance for implementation of the TMDL for Diazinon and Pesticide-Related Toxicity in San Francisco Bay Area Urban Creeks. Objectives include reducing pesticide-related toxicity in urban runoff and municipal wastewater treatment plant effluent; restoring water bodies impaired by urban pesticide use; identifying and promoting less toxic alternatives; and sustaining long-term water quality improvements by influencing pesticide use in the future. Funds provided by SFEP/ABAG/SWRCB contract and match. (\$300,000) - *Ongoing Subtask*

Subtask 7.9 – Wetland Design and Management Options for Control of Mercury in San Francisco Bay - Over a three-year period, SFEP and many public and private partners will address a high priority water quality issue in San Francisco Bay, the Mercury TMDL. SFEP will provide administrative and technical support, including contract oversight. Goals for the project include recommendations for wetland design and management options to reduce methyl mercury, monitoring protocols, and tools for calculating load reductions based on monitoring data. Work will also produce estimates of methyl mercury production in habitat types and effects of wetland conditions on methyl mercury production. This project is linked to CBDA's mercury strategy framework and many other efforts underway with state and federal agencies. Costs included in SFEP/ABAG/SWRCB agreement and match. (\$475,000) - *New Subtask*

Products include: participation in pollution prevention and reduction activities; technical, administrative, public outreach and education support for pollution prevention and reduction projects, including the Brake Pad Partnership; assistance with public involvement and technical support in the TMDL process, including assistance with implementing the Urban Pesticide TMDL and developing tools for surface water monitoring; and technical assistance with Clean Water Act Section 401 certifications and WDRs; and preliminary work on wetland design and management options to reduce methyl mercury in Bay Area wetlands.

Task VII. Subtotal: \$1,778,000

Task VIII. CCMP Implementation - Research and Monitoring

Priority:

Expand the Regional Monitoring Program to address all key CCMP issues, including pollution, wetlands, watersheds, dredging, biological resources, land use and flows and integrate the results of scientific monitoring into management and regulatory actions.

CCMP Action RM-2.1 – Develop and implement the Regional Monitoring Strategy, which will integrate and expand on existing efforts and eventually be part of a comprehensive Regional Monitoring Program

Subtask 8.1 – Scientific Monitoring and CCMP Priorities - SFEI staff continue to assist SFEP in making priority actions more specific based on the most recent scientific information. This effort demonstrates closer relationships between scientific findings and setting priorities for CCMP implementation (e.g., pesticide runoff from urban and agricultural areas and characterization of toxic episodes and specific causes of aquatic toxicity; development of TMDLs; development of environmental condition indicators that can be used for public education and awareness). Costs included in ABAG/EPA contract. (\$10,000). - *Ongoing Subtask*

Objective RM-2 - Effectively monitor and conduct research on flow regime, pollutants,

dredging and waterway modification, fish and other aquatic resources, wildlife, wetlands, and land use within the boundaries of the Estuary, using new and existing facilities, programs, agencies, and public involvement groups.

Subtask 8.2 – Electronic Reporting System for National Pollutant Discharge Elimination System Permits (NPDES) - Friends of the Estuary and SFEP have received several Supplemental Environmental Projects (SEPs) to assist the RWQCB in the design and implementation of a full-scale electronic reporting system for automated submittal to the RWQCB of water quality data from all major NPDES municipal and industrial dischargers. Student interns will provide an updated and revised system to include new pollutants and parameters, additional level of QA/QC for data computation and permit compliance checking and reporting procedures, additional function keys to copy sampling points and schedules, etc. Included in this task are funds from the Clean Estuary Partnership for development of an electronic reporting system for sanitary sewage outfalls. Costs are included in Friends and SFEP/ABAG budget. (\$80,000) - **Ongoing Subtask**

Subtask 8.3 – SF Estuary Wetlands Regional Monitoring Program - The Regional Monitoring Strategy calls for comprehensive environmental monitoring programs. SFEI, the Wetlands Restoration Program's monitoring group, and other partners developed a set of landscape-level assessments and Rapid Assessment Indicators (RAIs) of tidal wetland condition in the San Francisco Estuary. Findings are being shared with other regional wetland monitoring efforts on the West Coast and statewide to maximize the consistency. A monitoring program is needed to evaluate wetland policies, programs and projects in the region. Over time an assessment is needed on the status and trends of the wetlands ecosystem, the progress of wetlands projects, the efficacy of management decisions and an accounting for the public investment in wetlands. Phase 1 and 2 are completed and Phase 3 is underway. Funds are provided in the EPA/ABAG/SFEP contract and match. (\$226,000) - **Ongoing Subtask**

Products include: scientific analysis in developing CCMP priorities; an updated and improved Electronic Reporting System for NPDES permit holders; and development of a wetland monitoring system for tidal wetland condition in the Estuary and linked statewide

Task VIII. Subtotal: \$316,000

Task IX. CCMP Implementation - Dredging and Waterway Modification

Objective DW-1 - Determine the behavior and fate of sediments in the Estuary and adopt policies to manage their modifications.

Objective DW-3- Develop a comprehensive regional strategy to better manage dredging and waterway modification and ancillary activities.

Objective DW-4 - Encourage the reuse of dredged material for projects such as wetlands creation and restoration, levee restoration, landfill cover, and upland building material where environmentally acceptable

Subtask 9.1 – LTMS Dredging Activities - Consistent with state policies and working with LTMS partners, SFEP will provide technical support as requested for dredging activities and will seek additional funds as needed. Staff support costs are included in the program management budget. - **Ongoing Subtask**

Subtask 9.2 – Implementation Committee Focus on Sediment and Subtidal Resources - The Implementation Committee has expressed interest in the Estuary's benthos and related resources. SFEP staff will provide support as requested and seek additional funds as needed for work to be determined and directed by the Committee. A possible task is to seek funds for developing a sediment management plan for the Estuary. SFEP will allocate some funds for this task from the

additional base funding provided by Congress. See Subtask 11.5 Staff support costs are included in the program management budget. - *Ongoing Subtask*

Products include: technical/administrative support for LTMS related activities consistent with CCMP actions and state policies; technical/administrative support for sediment and subtidal resources task.

Task IX. Subtotal: \$ -0-
Costs included in program management budget

Task X. CCMP Implementation - Land Use Management

Priority:

Protect and restore watersheds, including promoting creek restoration, throughout the Estuary.

Priority:

Create incentives that motivate governments, landowners, businesses and communities to protect and restore the Estuary.

CCMP Action LU-1.1 - Local General Plans should incorporate watershed protection plans to protect wetland and stream environments and reduce pollutants in runoff.

CCMP Action LU-2.1 - Regional agencies should assist in identifying and developing consistent policies that provide an integrated framework for local governments to protect the resources of the Estuary.

Subtask 10.1 – Local Government Outreach for Estuary Stewardship - Land use policies that protect wetlands, riparian corridors, and upland areas through city/county general plans will increase protection for sensitive aquatic species and wildlife. SFEP assists where possible the development of tools and resources to better address existing regulation and tangible strategies to protect water quality, while maintaining economic vitality. Outreach is needed about water reuse programs and the relative economic and water quality implications of preserving public open space versus allowing unplanned development. Staff will coordinate outreach activities with the construction site workshops the Bay Area Water Forum and interested agencies/groups to provide a collaborative resource for local government. SFEP works to provide opportunities for local government to incorporate policies and programs beneficial to the Estuary's health into planning and decision-making. Additional funds are needed and costs for grant writing are included in the program management budget. - *Ongoing Subtask*

Subtask 10.2 – Santa Clara Watershed Management Initiative (WMI) - The RWQCB, US EPA, and former participants in the Estuary Project's South Bay Geographic Subcommittee are working with local government in the South Bay to implement a Watershed Management Plan for the region. The WMI acts as the South Bay Geographic Subcommittee and the Chair is a member of the Implementation Committee. SFEP assists the WMI as needed. Costs are included in the program management budget. - *Ongoing Subtask*

CCMP Action LU-3.1- Prepare and implement Watershed Management Plans that include the following complementary elements: 1) wetlands protection; 2) stream environment protection; and 3) reduction of pollutants in runoff.

CCMP Action PI-3.2 - Using government agencies and citizens, promote the continued development of needed citizen monitoring programs to assist in the restoration and protection of the Estuary.

Subtask 10.3 – Citizen Monitoring and the Watershed Assessment Resource Center (WARC) - Staff assist agencies and interest groups by encouraging, promoting and supporting citizen projects which monitor fish and wildlife populations, habitat, and water quality in the Estuary. Originally funded by a 319(h) grant, Friends and SFEP work with the RWQCB, SFEI and others to promote and seek funding for support of the WARC. Costs included in Friends' budget for seeking additional funds. - *Ongoing Subtask*

Subtask 10.4 – Coastal Conservancy Funding of Watershed Assessment Projects - Friends of the Estuary and SFEP provide technical and administrative support for watershed assessment projects being funded by the Coastal Conservancy. These projects include a match in the amount of \$100,000 for the 319(h) funded WARC, a grant to the Aquatic Outreach Institute to assist watershed groups and a grant to the RWQCB for stream macro-invertebrate bioassessments. Funds for this task are included in the Friends budget. (\$5,000) - *Ongoing Subtask*

Subtask 10.5 – Integrated Regional Watershed Management Plan Support - SFEP/ABAG will provide outreach and technical support to assist with the development of the Watershed/Habit component of a Bay Area regional plan. Working with the Coastal Conservancy and stakeholders SFEP will provide assistance in gathering land use data and stakeholder outreach. Funds for this task are included in the SFEP/ABAG/Coastal Conservancy contract. (\$20,000) - *New Subtask*

Products include: assistance with local government outreach; technical support and training for watershed groups, including funds for watershed assessment activities; making presentations to local decision-makers and staff; providing as needed assistance for the Santa Clara Watershed Management Initiative; developing additionally needed information; and fundraising; assistance with Bay Area IRWMP.

Task X. Subtotal: \$25,000

Task XI. Additional \$204,000 Base Funds Provided by US Congress

Priority:

Expand, restore and protect Bay-Delta wetlands and contiguous habitats.

Priority:

Reduce the impact of invasive species on the Estuary through prevention, control, eradication and education.

Priority:

Protect and restore watersheds including promoting creek restoration, throughout the Estuary.

Priority:

Create incentives that motivate governments, landowners, businesses and communities to protect and restore the Estuary.

Priority:

Increase public interaction with the Estuary's natural resources, encourage stewardship, promote the values ecological processes provide to human activities, and promote awareness of the effects of human activities on them.

Priority:

Expand the Regional Monitoring Program to address all key CCMP issues, including pollution, wetlands, watersheds, dredging, biological resources, land use and flows and integrate the results of scientific monitoring into management and regulatory actions.

Subtask 11.1 – Administration/Management - SFEP will administer competitive solicitation process, materials, public meetings, the technical review of proposals received under a small-grant program, and the awards for education and restoration projects (subcontracts) as well as contract oversight required for any other services/deliverables under the additional funds. Funds included in EPA/SFEP/ABAG agreement. (\$31,000) - *Ongoing Subtask*

Subtask 11.2 – Small-Grant Program - Using funds provided by the Congressional add-on, SFEP has provided the small-grant program for the previous three years. Through a competitive process, projects will be funded that carry out education and restoration projects implementing the CCMP (\$5,000-\$10,000 each). Focus will be on watershed groups, environmental justice, citizen monitoring, removing invasives, restoring stream channels, education and outreach activities that build awareness about the Estuary's natural resources and the need to protect them, and start-up funds for fledgling groups. An advisory committee will assist with developing criteria, evaluation and selection of proposals. Funds included in EPA/SFEP/ABAG agreement. (\$100,000) - *Ongoing Subtask*

Subtask 11.3 – Tracking Habitat for SFEP - SFEP will provide funds to assist SFEI with the web-based habitat tracking system. SFEP tracks one indicator - habitat - the acquisition, restoration and enhancement of wetlands and riparian habitat. The information is recorded in the *Environmental Report Cards* and the annual Government Performance Requirement Act report required by US EPA. SFEP will work with its partners, ABAG, RWQCB, SFEI and a steering committee to develop a strategy for an ongoing and improved habitat tracking system in a GIS format. Funds included in EPA/SFEP/ABAG agreement. (\$5,000) - *Ongoing Subtask*

Subtask 11.4 – Selection of Ecosystem Indicators for the San Francisco Estuary - SFEP is working with SFEI, agencies and non-governmental groups to develop and implement a suite of ecosystem indicators for the Estuary. SFEP will provide funds to its partner SFEI for managing this task. Funds are needed for building consensus on the need for scientifically valid, leading environmental indicators; developing a framework for interagency cooperation and collaboration on indicator development and refinement; and seeking commitments for ongoing financial and programmatic support for indicators and performance measures. Additional funds are needed to support the advisory team's work to identify a subset of indicators considered useful in the assessment of the environmental condition related to the CCMP, and other indicators considered important. Funds included in EPA/SFEP/ABAG agreement. (\$30,000) - *Ongoing Subtask*

Subtask 11.5 – Subtidal Habitat Management and Restoration Strategy for the San Francisco Estuary - The Implementation Committee (IC) has expressed interest in the Estuary's benthos and related resources. BCDC and NOAA Fisheries are the lead agencies to develop an overarching assessment of subtidal habitats and a management strategy of San Francisco Bay subtidal habitats that includes restoration goals. A workgroup has been formed to develop a Subtidal Habitat Restoration Implementation and Management Plan (SHRIMP). Working with the SHRIMP workgroup SFEP will hire a consultant to accomplish the following: provide a finalized work plan that describes a process for developing a management strategy for San Francisco Bay subtidal habitats; conduct one interagency workshop to review and comment on a draft work plan; organize stakeholder, scientist and agency thematic workgroups to carry out tasks in the work plan; coordinate and facilitate three to six workshops for the workgroups; provide workshop summaries; and prepare a draft and final report and recommendations based on meeting outcomes by Summer 2006. Funds included in EPA/SFEP/ABAG agreement. (\$18,000) - *New Subtask*

Subtask 11.6 – Wetlands Monitoring Plan and Design Review - SFEP works with the San Francisco Bay Wetland Restoration Program to encourage the implementation of the Baylands

Ecosystem Habitat Goals. (See Subtask 6.1 above) The WRP supports participation by non-governmental technical experts in reviews of proposed project designs. Funds are needed to support participation by non-governmental technical experts in reviews of wetland restoration design and monitoring plans for both regulatory-driven and non-regulatory projects in the boundaries of the WRP. SFEP will provide funds through a competitive process to non-governmental monitoring experts. Funds are included in the EPA/SFEP/ABAG agreement. (\$10,000) - *Ongoing Subtask*

Subtask 11.7 – Financial Strategy for CCMP Implementation - As required by EPA, SFEP is developing a long-term financial strategy for CCMP implementation. A phased approach is underway, with Phase 1 completed last year by SFEI. Currently SFEP provides funding for CCMP implementation through a diverse mix of working with partner agency budgets, public/private partnerships, contracts for service with state and local partners, fees for educational workshops and educational materials, and grant-writing. Working with interested IC members, SFEP and SFEI will complete the strategy with staff resources or select a consultant with the expertise that is needed. Funds are included in the EPA/SFEP/ABAG agreement. (\$10,000) - *Ongoing Subtask*

Products include: effective contract administration and accounting practices required by this separate funding source; a small-grant program to restore and enhance the Estuary; habitat tracking for SFEP provided in a GIS format; the implementation of Estuary ecosystem indicators; support for subtidal habitat management and restoration strategy; review of wetlands monitoring and design plans for restoration projects; and Phase 1 of a long-term financial strategy for CCMP implementation.

Task XI. Subtotal: \$204,000

***Total Amount: \$3,425,163**

***(Does not include some matching funds and \$3 million Regional Monitoring Program funds)**

8. ADMINISTRATIVE AND FINANCIAL

The San Francisco Bay Regional Water Quality Control Board (Water Board) is the lead agency for implementing the CCMP. The Association of Bay Area Governments (ABAG) is a partner and provides management, administrative and fiscal support for the SFEP. All SFEP staff are ABAG employees and the SFEP office is located at the Water Board. A list of current SFEP staff and their responsibilities is attached (Appendix A).

9. NEP FUNDED GRANTS:

In 2004, SFEP organized a competitive process to select education and restoration projects that carried out the CCMP. A request for proposals was distributed to hundreds of non-governmental organizations, agencies, stakeholder and neighborhood groups. A selection committee set criteria and reviewed over thirty proposals totaling over \$300,000 in requested funding. Awards were made in the amount of \$100,000 for 13 projects with the funding provided by Congress to the National Estuary Program. The list of projects is attached (Appendix B)

10. FUNDS LEVERAGED

SFEP budgets for FFY years 2003-04, 2004-05 and 2005-06 are attached. These tables list the funding entities, amounts and tasks/deliverables for the contracts, grants and donations allocated to the SFEP implementation structure for carrying out the CCMP. The total estimated budget for FFY 2005-06 is \$6,804,966, a significant decrease from the previous years' budgets due to loss of CBDA Program funds. Estimated funds provided by state, local jurisdictions, and private entities

are approximately 84.75 (\$5,766,000) percent, total federal funds (\$1,038,966), are an estimated 15.25 percent. Of the federal funds, the NEP provides \$511,966 or an estimated 7.53 percent of our total budget and leverages federal NEP funds at a ratio of approximately 13.3 to 1.

11. ROLE OF NEP FUNDS IN SFEP'S CCMP IMPLEMENTATION

The Section 320 - NEP funds play a significant role in SFEP funding. SFEP funds its CCMP implementation through many and varied funding sources, including state and federal grants, contracts for services with state and local jurisdictions, fines and some donations from foundations and private partnerships. All of this funding is for specific products and services that carry out CCMP actions. The only discretionary funding available to SFEP is the NEP, Section 320 monies.

12. FFY 2005-06 NON-FEDERAL SHARE (MATCH)

A FFY 2005-06 \$510,000 match is provided by the State Water Resources Control Board (SWRCB) through in-kind services and State bond funded projects. A \$100,000 match is in-kind services provided by an Environmental Specialist III, a Sr. Eng. Geologist, and a Supervising Water Resources Control Engineer - all staff at the San Francisco Bay Regional Water Quality Control Board. The \$410,000 match is cash provided through a contract with SFEP/ABAG and the SWRCB for the Brake Pad Partnership and outreach and research for the Urban Pesticide TMDL. SFEP is providing communication and administrative support for the Brake Pad Partnership. SFEP also is working closely with the Regional Water Board and partners on outreach to stakeholders for the Urban Pesticide TMDL and research related to this TMDL. (See Subtasks 7.1, 7.7, and 7.8). ABAG is providing an additional in-kind service match of \$18,000 for accounting and management staff time. The total SFEP match for FFY 2005-2006 is \$528,000.

13. TRAVEL DOCUMENTATION

A memo is attached describing the use of FFY 2004-05 travel funds and the estimated travel costs for FFY 2005-06.

2005 - 2006 ESTIMATED FUNDING

<u>Funding Source/Project</u>	<u>Non-Federal</u>	<u>Federal</u>
1. FFY 2005 U.S. EPA/SWRCB Cooperative Agreement		
Federal: Clean Water Act Section 320, NEP base funding		\$ 100,000
- SFEP/ABAG employee (IPA) provides program support		
Non-Federal Funding: (state match - staff)	\$ 100,000	
2. FFY 2005 U.S. EPA/ABAG Cooperative Agreement		
Federal: Clean Water Act, Section 320, NEP base funding		\$ 411,966
- SFEP/ABAG employees manage/provide support for SFEP, RWQCB and Friends of the San Francisco Estuary		
Non-Federal Funding: (ABAG match staff/CBDA match below)	\$ 18,000	
3. FFY 2004 U.S. EPA/ABAG Cooperative Agreement		
Federal: Local govt. wetlands funding		
- SFEP/SFEI provides Phase 1-2 Wetlands Monitoring		\$ 170,000
Non-Federal Funding: (state/local match)	\$ 56,000	
4. 2004-2006 RWQCB/ABAG MOU		
RWQCB: Agency budget (in kind)	\$ 185,000	
- RWQCB provides SFEP program support (space, computers, phones, etc. for 12-14 staff)		

5. 2002-05 ABAG/CA Dept. of Boating & Waterways Contract		
State: Dept. of Boating & Waterways (Clean Vessel Act)		\$ 100,000
- SFEP/Santa Monica Restoration Program provide Boater Education		
Non-Federal Funding : (ABAG, RWQCB, private match)	\$ 15,000	
6. 2004-2007 SWRCB/ABAG Contract (State funds)		
- SFEP provides communication/technical support for TMDLs	\$ 125,000	
7. 2004-2006 RWQCB/ABAG Contract		
RWQCB: litigation, fines, No. Bay, other state funds	\$ 79,000	
- ACL tracking, pollution prevention, LTMS tasks		
8. 2001-2006 ABAG/NFWF Contract (CBDA-State Funds)	\$ 50,000	
- Delta In-Channel Islands Demonstration Project		
Non-Federal Funding : (ABAG, state agencies match)	\$ 10,000	
9. 2004-2006 ABAG/Santa Clara Valley Water Dist. Contract		
- SFEP provides technical support	\$ 115,000	
10. 2005-2006 ABAG/Alameda County Contract		
- SFEP provides technical support	\$ 90,000	
11. 2005-2006 ABAG/CalTrans Contract		
- SFEP provides technical support	\$ 90,000	
12. 2004-2006 SWRCB/ABAG Contract (State Prop funds & match)		
- SFEP provides technical support for Brake Pad Partnership	\$ 395,000	\$ 75,000
13. 2005-2006 Friends of the San Francisco Estuary		
Donations, Grants, Contracts for CCMP implementations	\$ 175,000	\$ 25,000
14. 2005 State of the Estuary Conference		
Donations, registration	\$ 50,000	\$ 25,000
2005 - 2006 ESTIMATED FUNDING (Continued)		
15. 2004-2007 SWRCB/ABAG Contracts (State bond funds)		
- SFEP provides support for Pesticide TMDL and research and	\$ 400,000	
- design/management to reduce mercury in wetland restoration	\$ 475,000	
and match		
16. 2005 ABAG/Coastal Conservancy Contract		
- SFEP provides support for Watershed/Habitat component	\$ 20,000	
in Bay Area IRWMP		
17. 2001-2005 ABAG/CBDA Contract		
- SFEP/ABAG provides tech, communication, support	\$ 285,000	
18. 2005-2006 ABAG/USFWS/Sea Grant Contracts		
- SFEP provides support Western Regional Panel		\$ 32,000
19. 2005-2006 SFEI/EPA Grant		
- SFEI/SFEP partners provide work on San Joaquin indicators		
and match	\$ 33,000	\$ 100,000
20. 2005-2006 SFEI/Bay Area Dischargers Contract		

POTWs, Dischargers, Local Govt., Industry - Implement the Regional Monitoring Program	\$ 3,000,000	
Total Non-Federal Funding	\$5,766,000	
Total Federal Funding		\$1,038,966
Total Estimated Funding	\$6,804,966	

2004 - 2005 ESTIMATED FUNDING

<u>Funding Source/Project</u>	<u>Non-Federal</u>	<u>Federal</u>
1. FFY 2004 U.S. EPA/SWRCB Cooperative Agreement Federal: Clean Water Act Section 320, NEP base funding - SFEP/ABAG employee (IPA) provides program support Non-Federal Funding: (state match - staff)	\$ 100,000	\$100,000
2. FFY 2004 U.S. EPA/ABAG Cooperative Agreement Federal: Clean Water Act, Section 320, NEP base funding - SFEP/ABAG employees manage/provide support for SFEP, RWQCB and Friends of the San Francisco Estuary Non-Federal Funding: (ABAG match staff/CBDA match below)	\$ 18,000	\$406,934
3. FFY 2003-2005 BCDC/ABAG Cooperative Agreement Federal: NOAA funds provided through BCDC - Provide support for SF Bay Wetlands Restoration Program		\$ 17,400
4. FFY 2004-2005 U.S. EPA/ABAG Cooperative Agreement Federal: Local govt. wetlands funding - SFEP provides JARPA - SFEP/SFEI provides Phase 1-2 Wetlands Monitoring		\$ 22,000 \$ 145,000

- SFEP/SFEI provides Wetlands Tracker Non-Federal Funding: (state/local match)	\$ 97,600	\$ 147,750
5. 2004-2006 RWQCB/ABAG MOU RWQCB: Agency budget (in kind) - RWQCB provides SFEP program support (space, computers, phones, etc. for 12-14 staff)	\$ 185,000	
6. 2002-05 ABAG/CA Dept. of Boating & Waterways Contract State: Dept. of Boating & Waterways (Clean Vessel Act) - SFEP/Santa Monica Restoration Program provide Boater Education Non-Federal Funding : (ABAG, RWQCB, private match)	\$ 15,000	\$ 100,000
7. 2004-2005 SWRCB/ABAG Contract (State funds) - SFEP provides communication/technical support for TMDLs	\$ 100,000	
8. 2001-2004 RWQCB/ABAG Contract RWQCB: litigation, fines, No. Bay, other state funds - ACL tracking, pollution prevention, LTMS tasks	\$ 78,000	
9. 2001-2006 ABAG/NFWF Contract (CBDA-State Funds) - Delta In-Channel Islands Demonstration Project Non-Federal Funding : (ABAG, state agencies match)	\$ 172,000 \$ 10,000	
10. 2002-2005 ABAG/Santa Clara Valley Water Dist. Contract - SFEP provides technical support	\$ 110,000	
11. 2004-2005 ABAG/Alameda County Contract - SFEP provides technical support	\$ 90,000	
12. 2004-2006 SWRCB/ABAG Contract (State Prop funds & match) - SFEP provides technical support for Brake Pad Partnership	\$ 395,000	\$ 75,000
13. 2004-2005 Friends of the San Francisco Estuary Donations, Grants, Contracts for CCMP implementations 2004 - 2005 ESTIMATED FUNDING (Continued)	\$ 175,000	\$ 25,000
14. 2005 State of the Estuary Conference Donations, registration	\$ 75,000	\$ 25,000
15. 2004-2005 Clean Estuary Partnership/ABAG Contract - SFEP provides technical support for TMDL/Electronic Rept.	\$ 94,000	
16. 2004-2007 SWRCB/ABAG Contracts (State bond funds) - SFEP provides support for Pesticide TMDL and research and design/management to reduce mercury in wetland restoration	\$ 475,000	
17. 2001-2005 ABAG/CBDA/USGS Science/Drinking Water Quality Programs Contracts - SFEP/ABAG provides tech, communication, support	\$ 8,304,600	\$ 400,000
18. 2004-2005 ABAG/USFWS/Coastal Conservancy Contracts - SFEP provides support for Caulerpa Workshop - SFEP provides support for Spartina signage project - SFEP provides support for Watershed/Habitat component	\$ 50,000 \$ 25,000	\$ 12,600

in Bay Area IRWMP

19. 2004-2005 SFEP/Bay Area Dischargers Contract		
POTWs, Dischargers, Local Govt., Industry	\$ 3,000,000	
- Implement the Regional Monitoring Program		
Total Non-Federal Funding	\$13,569,200	
Total Federal Funding		\$1,476,084
Total Estimated Funding	\$15,045,284	

2003 - 2004 ESTIMATED FUNDING

<u>Funding Source/Project</u>	<u>Non-Federal</u>	<u>Federal</u>
1. FFY 2003 U.S. EPA/SWRCB Cooperative Agreement		
Federal: Clean Water Act Section 320, NEP base funding		\$ 100,000
- SFEP/ABAG employee (IPA) provides program support		
Non-Federal Funding: (state match - staff)	\$ 100,000	
2. FFY 2003 U.S. EPA/ABAG Cooperative Agreement		
Federal: Clean Water Act, Section 320, NEP base funding		\$ 406,685
- SFEP/ABAG employees manage/provide support for SFEP, RWQCB and Friends of the San Francisco Estuary		
Non-Federal Funding: (ABAG match staff/CBDA match below)	\$ 18,000	
3. FFY 2003-2004 BCDC/ABAG Cooperative Agreement		
Federal: NOAA funds provided through Resources Agency		\$ 92,600
- Provide support for SF Bay Wetlands Restoration Program		
4. FFY 2002-2003 U.S. EPA/ABAG Cooperative Agreement		
Federal: Local govt. wetlands funding		
- SFEP provides JARPA/ SF Bay Wetlands Restoration Program		\$ 40,000
Non-Federal Funding: (state/local match - staff)	\$ 16,666	
5. 2002-2004 RWQCB/ABAG MOU		
RWQCB: Agency budget (in kind)	\$ 185,000	

- RWQCB provides SFEP program support (office, computers, etc.10-12 staff)		
6. 2002-04 ABAG/CA Dept. of Boating & Waterways Contract		
State: Dept. of Boating & Waterways (Clean Vessel Act)		\$ 60,000
- SFEP/Santa Monica Restoration Program Boater Education	\$ 15,000	
7. 2004-2005 SWRCB/ABAG/Clean Estuary Partnership Contracts		
- SFEP provides communication/technical support for TMDLs	\$ 47,600	
8. 2001-2004 RWQCB/ABAG Contract		
RWQCB: litigation, fines, No. Bay other state funds	\$ 107,000	
- ACL tracking, pollution prevention, LTMS tasks		
9. 2001-2004 ABAG/NFWF Contract (CALFED-State Funds)	\$ 115,000	
- Delta In-Channel Islands Demonstration Project		
Non-Federal Funding : (ABAG, state agencies match)	\$ 10,000	
10. 2002-2004 ABAG/Santa Clara Valley Water Dist. Contract		
- SFEP provides technical support	\$ 108,000	
11. 2002-2003 U.S. EPA/ABAG Cooperative Agreement		
Federal: Local govt. wetlands funding		
- SFEP provides technical support for CRAM 1 & 2		\$ 136,000
Non-Federal Funding: (state/local match - staff)	\$ 60,000	
12. 2002-2003 Friends of the San Francisco Estuary		
Donations, Grants, Contracts for CCMP implementations	\$ 175,000	\$ 25,000
13. 2004-2006 SWRCB/ABAG Contract (State Prop funds & match)		
- SFEP provides technical support for Brake Pad Partnership	\$ 58,600	
14. 2001 State of the Estuary Conference		
Grants, co-sponsorships, registration fees	\$ 200,000	\$ 12,000
15. 2001-2005 ABAG/CALFED/USGS Science/Drinking Water Quality		
Program Contract		
- SFEP/ABAG provides tech., admin., communication support	\$ 4,000,000	\$
400,000		
16. 2003-2005 ABAG/Coastal Conserv. Grant Santa Monica Bay RC		
- SFEP provides technical support for Ballona Creek project	\$ 100,000	
17. 2003-2004 SFEI/Bay Area Dischargers Contract		
POTWs, Dischargers, Local Govt., Industry	\$ 3,000,000	
- Implement the Regional Monitoring Program		
	Total Non-Federal Funding	\$ 8,315,866
	Total Federal Funding	\$1,272,285
	Total Estimated Funding	\$ 9,588,151

Schedule of SFEP Tasks

Task I. CCMP Implementation - SFEP Administration

Subtask 1.1 - Postage/Mailing Costs	
A. Distribute SFEP materials and <i>ESTUARY</i> newsletter	Dec. '05 - Dec. '06
Subtask 1.2 - Travel/Education/Conferences	
A. Attend/participate in meetings/conferences, etc.	Dec. '05 - Dec. '06
Subtask 1.3 - Printing	
A. Print revised information sheets	Dec. '05 - Dec. '06
B. Print six issues (2800 copies each) newsletter	Dec. '05 Feb. '06 April '06 June '06 Aug. '06 Oct. '06
C. Print other SFEP materials	Dec. '05- Dec. '06
Subtask 1.4. Program Management	
A. Provide support as requested by Regional Board	Dec. '05 - Dec. '06
B. Provide support to Friends	Dec. '05 - Dec. '06
C. Coordinate government agencies' efforts to implement	Dec. '05 - Dec. '06

CCMP

- D. Provide support to SFEP committees and subcommittees, Implementation Committee and Executive Council Dec. '05 - Dec. '06
- E. Assist with identification and implementation of CCMP priority actions: watershed management activities, wetlands planning/restoration, pollution prevention, dredging activities, invasive species, freshwater flows, etc. Dec. '05 - Dec. '06
- F. Provide administrative, technical, management, financial and fundraising support. Develop and implement annual work plan and budget. Dec. '05 - Dec. '06
- G. Produce required annual EPA reports , including quarterly, MBE/WBE, GPRA Habitat/CCMP, leveraging, etc. Dec. '05 - Dec. '06
Sept. '06

Task II. CALFED Science Program Support

- Subtask 2.1.- CALFED Oct. 2006 Science Program Conference Support
 - A. Working with advisory committee, organize conference, Call for abstracts, assist Program/Session Chairs Dec. '05 - April '06
 - B. Prepare, distribute conference brochures Dec. '05 - Dec. '06
 - C. Provide conference registration, logistics, packets July - Oct. '06
 - D. Provide logistical support, facilities, A/V, caterers Dec. '05 - Dec. '06
 - E. Provide financial/accounting support Dec. '05 - Dec. '06
 - F. Using information from conference, assist with Conference summary Dec. '05 - Dec. '06
- Subtask 2.2.- State of the Estuary 2005 Conference
 - A. Provide conference accounting, follow-up support Dec. '05 - Jan. '06
 - B. Write/edit/print 2200 copies of 2006 SOE Report Dec. '05 - Sept. '06
 - C. Distribute SOE Report Dec. '05 - Dec. '06
- Subtask 2.3.- CALFED Science Program Communication Support
 - A. Provide communication, technical information as requested Dec. '05 - Dec. '06

Task III. CCMP Implementation - Measuring Success

- Subtask 3.1 - Monitoring CCMP Implementation
 - A. Distribute 2005 *Environmental Report Card* Dec. '05 - Dec. '06
- Subtask 3.2 - State of the Estuary Conference – October 2005
 - A. Provide conference accounting, follow-up support Dec. '05 - Jan. '06
 - B. Write/edit/print 2200 copies of 2006 SOE Report Dec. '05 - Sept. '06
 - C. Distribute SOE Report Dec. '05 - Dec. '06
- Subtask 3.3 - Indicators of Ecosystem Health
 - A. See Task 12.4 Dec. '05 - Dec. '06
 - B. Track habitat indicator – submit GPRA Report to EPA HQ Sept. '06

Task IV. CCMP Implementation - Public Involvement and Education

- Subtask 4.1 - Public Information
 - A. Public presentations, participation in fairs, conferences Dec. '05 - Dec. '06
 - B. Outreach to decision-makers/legislative briefings Dec. '05 - Dec. '06
 - C. Response to inquiries and distribution of SFEP materials Dec. '05 - Dec. '06
- Subtask 4.2 - Citizen Involvement in CCMP Decision-Making
 - A. Facilitate feedback opportunities Dec. '05 - Dec. '06
 - B. Respond to feedback Dec. '05 - Dec. '06
- Subtask 4.3 - *ESTUARY* Newsletter (see Subtask 1.3 above)
 - A. Produce bimonthly: Oct., Dec., Feb., April, June, Aug Dec. '05 - Dec. '06
- Subtask 4.4 - SFEP on the Internet

A. Update and add information as possible	Dec. '05 - Dec. '06
Subtask 4.5 - CCMP Publicity/Media	Dec. '05 - Dec. '06
Subtask 4.6 - Fish Education Work Group	
A. Participate on fish warning task force as requested	Dec. '05 - Dec. '06
B. Seek additional opportunities for outreach	Dec. '05 - Dec. '06
Subtask 4.7 - Richmond High School Creek Keepers	
A. Maintain Richmond Project	Dec. '05 - Dec. '06
B. Work with other entities to expand program	Dec. '05 - Dec. '06
Subtask 4.8 - Boater Education Program	
A. Revise/distribute updated maps with pump-out station info	Dec. '05 - Dec. '06
B. Continue targeted boater education outreach	Dec. '05 - Dec. '06
C. Assist Regional and State Water Board with public process for recommendations on the need to provide additional sewage disposal facilities and possible new regulations	Dec. '05 - Dec. '06
Subtask 4.9 - Construction Site Planning and Management for Water Quality Protection	
A. Staff, organize, market, fundraise to continue holding educational workshops	Dec. '05 - Dec. '06
B. Organize 8-10 workshops around the region	May - Dec. '06
C. Improve/update certification program	April - Dec. '06
D. Revise workshop materials/slide shows/power point	March - Dec. '06
E. Distribute inspectors manual, guidebook, videos, including Spanish versions, CD Rom, etc	Dec. '05 - Dec. '06
F. Track and evaluate outcome of education	Dec. '05 - June '06
Subtask 4.10 - Estuary Education Program	
A. Coordinate with other programs	Dec. '05 - Dec. '06
B. Assist with grant writing and administrative tasks	Dec. '05 - Dec. '06
C. Assist with hiring/seeking support for Friends	Dec. '05 - Dec. '06
Subtask 4.11 - Information Exchange and Cosponsorships	
A. Coordinate with agencies/interest groups to organize information exchanges on targeted issues/topics	Dec. '05 - Dec. '06
B. Provide assistance as requested with cosponsoring workshops, meetings that implement the CCMP	Dec. '05 - Dec. '06
Subtask 4.12 - Supplemental Environmental Projects (Seps)	
A. Provide outreach to entities to get their projects on a list	Dec. '05 - Dec. '06
B. Facilitate projects	Dec. '05 - Dec. '06
C. Evaluate, track and administer projects	Dec. '05 - Dec. '06

Task V: CCMP Implementation - Aquatic Resources Management

Subtask 5.1 - Invasive Species and Ship Ballast Water Exchange Outreach/Education	
A. Distribute invasive species brochures	Dec. '05 - Dec. '06
B. Coordinate with Sea Grant on outreach to maritime industry about ballast water issues; provide graphic design for outreach materials	Dec. '05 - Dec. '06
C. Participate on ANS Task Force, Education, Mitten Crab, Caulerpa Committees	Dec. '05 - Dec. '06
D. Participate on Western Regional Panel (WRP)	Dec. '05 - Dec. '06
E. Develop, print distribute prototype for early detection with Watershed groups	Dec. '05 - Dec. '06
F. Participate on Statewide invasive species tech. committees	Dec. '05 - Dec. '06
Subtask 5.2 - Spartina Project	
A. Provide assistance with signage program in wetlands to educate the public about <i>spartina</i> impacts	Dec. '05 - Dec. '06

- Subtask 5.3 - Delta In-Channel Island Workgroup
 - A. Provide administrative assistance to workgroup Dec. '05 - Dec. '06
 - B. Provide contract oversight for NFWF/ABAG contract Dec. '05 - Dec. '06
 - C. Construct/monitor repair to Webb #3; do media outreach Dec. '05 - Dec. '06
 - D. Assist with development of additional DCI projects Dec. '05 - Dec. '06
- Subtask 5.4 - Bay Area Water Forum
 - A. Assist BAWF as needed Dec. '05 - Dec. '06
 - B. Assist with raising funds for research on the establishment of freshwater flow standards for SF Bay Dec. '05 - Dec. '06

Task VI: CCMP Implementation - Wetlands Management

- Subtask 6.1 - Regional Wetlands Management Plan and San Francisco Bay Wetland Restoration Program
 - A. Provide assistance as requested Dec. '05 - Dec. '06
- Subtask 6.2 - *Baylands Ecosystem Habitat Goals and Species and Community Profiles*
 - A. Assist with distribution of reports Dec. '05 - Dec. '06
- Subtask 6.3 - North Bay Restoration and Enhancement Activities
 - A. Assist as requested with organizing meetings and projects Dec. '05 - Dec. '06
- Subtask 6.4 - South Bay Restoration and Enhancement Activities
 - A. Assist as requested with organizing meetings and activities Dec. '05 - Dec. '06
- Subtask 6.5 - San Francisco Bay Joint Venture
 - A. Participate on Board of Directors Dec. '05 - Dec. '06
 - B. Assist with outreach/wetlands tours as requested Dec. '05 - Dec. '06
 - C. Assist with JV implementation strategy to carry out CCMP Wetlands Program and Ecosystem Goals Dec. '05 - Dec. '06
- Subtask 6.6 - Joint Aquatic Resource Permit Application (JARPA) Permit Center
 - A. Provide support as possible for Permit Center/internet access, continue to seek long-term funding strategy for JARPA Dec. '05 - Dec. '06

Task VII: CCMP Implementation - Pollution Prevention and Reduction

- Subtask 7.1 - Copper Brake Pad Partnership
 - A. Provide contract, administrative oversight, including competitive bid process to select consultants Dec. '05 - Dec. '06
 - B. Provide technical and public outreach support Dec. '05 - Dec. '06
- Subtask 7.2 - BASMAA Education and Research Activities
 - A. Assist as requested Dec. '05 - Dec. '06
- Subtask 7.3 - Total Maximum Daily Loads (TMDLs) for Pollutants of Concern
 - A. Provide public involvement/outreach staff support Dec. '05 - Dec. '06
 - B. Provide administrative/technical staff support for RWQCB Board meetings, Basin Plan objectives for TMDL process Dec. '05 - Dec. '06
 - C. Provide student intern and technical support as needed Dec. '05 - Dec. '06
- Subtask 7.4 - Water Quality Certification and Waste Discharge Requirement (WDRs) Application
 - A. Provide technical staff support for 401 permits and WDRs in Santa Clara Valley Watershed, Alameda County, Caltrans Dec. '05 - Dec. '06
- Subtask 7.5 - Implementation Committee Focus on Agricultural Pesticides
 - A. Provide staff support for committee recommendations Dec. '05 - Dec. '06
- Subtask 7.6 - North Bay Stormwater Outreach
 - A. Provide education/outreach to local government on BMPs for stormwater management Dec. '05 - Dec. '06
 - B. Provide data entry and technical support Dec. '05 - Dec. '06
- Subtask 7.7 - Development of testing Procedures for Diazinon/Chlorpyrifos

- Replacement Pesticides
 - A. Provide contract administration Dec. '05 - Dec. '06
 - B. Provide technical/scientific support for developing tools Dec. '05 - Dec. '06
- Subtask 7.8 - Urban Pesticide Pollution Prevention
 - A. Provide contract administration Dec. '05 - Dec. '06
 - B. Provide staff support for education/outreach on TMDL for Urban pesticides to reduce pesticide toxicity in urban creeds Dec. '05 - Dec. '06
 - C. Provide technical/scientific support for implementing TMDL Dec. '05 - Dec. '06
- Subtask 7.9 - Wetland Design and Management Options for Control of Mercury in San Francisco Bay
 - A. Provide contract administration Dec. '05 - Dec. '06
 - B. Work with partners to provide technical/scientific support For developing wetland designs and management options Dec. '05 - Dec. '06
 - C. Begin preliminary research on sites, permits needed Dec. '05 - Dec. '06

Task VIII: CCMP Implementation - Research and Monitoring

- Subtask 8.1 - Scientific Monitoring and CCMP Priorities
 - A. Communicate/coordinate with SFEI on CCMP priorities Dec. '05 - Dec. '06
- Subtask 8.2 - Electronic Reporting System for national Pollutant Discharge Elimination System Permits (NPDES)
 - A. Update/maintain existing system for submittal of data Dec. '05 - Dec. '06
- Subtask 8.3 - SF Estuary Wetlands Regional Monitoring Program
 - A. Complete Phase 3 of developing, verifying and implementing rapid assessment indicators Dec. '05 - Dec. '06
 - B. Provide contract oversight and administrative support Dec. '05 - Dec. '06

Task IX: CCMP Implementation - Dredging and Water Way Modification

- Subtask 9.1 - LTMS Dredging Activities
 - A. Provide assistance as requested Dec. '05 - Dec. '06
- Subtask 9.2 - Implementation Committee Focus on Sediment and Subtidal Resources
 - A. Provide assistance as requested Dec. '05 - Dec. '06

Task X: CCMP Implementation - Land Use Management

- Subtask 10.1 - Local Government Outreach for Estuary Stewardship
 - A. Fundraise for outreach to local government Dec. '05 - Dec. '06
 - B. Coordinate with erosion control workshops and JARPA Outreach Dec. '05 - Dec. '06
- Subtask 10.2 - Santa Clara Watershed Management Initiative
 - A. Provide technical/administrative assistance Dec. '05 - Dec. '06
 - B. Review documents as needed for CCMP consistency Dec. '05 - Dec. '06
- Subtask 10.3 - Citizen Monitoring and the Watershed Assessment Resource Center
 - A. Provide technical support to watershed groups Dec. '05 - Dec. '06
 - B. Develop strategy for long-term support of center Dec. '05 - Dec. '06
- Subtask 10.4 - Coastal Conservancy Funding of Watershed Assessment Projects
 - A. Provide administrative/accounting oversight for projects Dec. '05 - Dec. '06
- Subtask 10.5 - Integrated Regional Watershed Management Plan Support
 - A. Work with partners to provide outreach/awareness to stakeholders on IRWMP and how to get involved/provide feedback on the plan Dec. '05 - Dec. '06
 - B. Seek additional funding to provide meaningful stakeholder Involvement, including environmental justice Dec. '05 - Dec. '06

Task XI: Additional \$204,000 Base Funds Provided by US Congress

- Subtask 11.1 - Administration/Management
 - A. Provide support for competitive bid process for small-grants Nov. - Dec. '05
 - B. Provide contract oversight for small-grants Dec. '05 - Dec. '06
 - C. Track \$204,000 funds separately from other NEP funds Dec. '05 - Dec. '06
- Subtask 11.2 - Small-Grant Program
 - A. Work with advisory committee to develop/implement RFP process, select and monitor projects Dec. '05 - Dec. '06
 - B. Produce final report on funded projects Nov. - Dec. '06
- Subtask 11.3 - Tracking Habitat for SFEP
 - A. Provide funds for ongoing habitat tracking system Dec. '05 - Dec. '06
 - B. Provide GPRA report on habitat in GIS format Sept. '06
- Subtask 11.4 - Selection of Ecosystem Indicators for the San Francisco Estuary
 - A. Work with advisory committee on developing consensus on indicators Dec. '05 - Dec. '06
 - B. Build interagency cooperation and seek commitment for financial support to implement Dec. '05 - Dec. '06
 - C. Seek additional funds for subset of CCMP indicators Dec. '05 - Dec. '06
- Subtask 11.5 - Subtidal Habitat Management and Restoration Strategy for the Estuary
 - A. Hire consultant to assist SHRIMP with management strategy Dec. '05
 - B. Organize stakeholder/agency workshops to provide comments and implement the work plan Dec. '05 - Sept. '06
 - C. Provide final report Oct. '06
- Subtask 11.6 - Wetlands Monitoring Plan Review
 - A. Schedule appropriate consultants for reviews Dec. '05 - Dec. '06
 - B. Provide contract oversight and administrative support Dec. '05 - Dec. '06
- Subtask 11.7 - Financial Strategy for CCMP Implementation
 - A. Working with advisory committee assist with developing Phase 2 Strategy, review and comment Dec. '05 - Dec. '06
 - B. Provide draft strategy June '06
 - D. Provide final strategy Sept. '06

APPENDIX A

SAN FRANCISCO ESTUARY PROJECT

Staff List/Duties

As of June 2005

1. Terry Adams, Administrative Secretary
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2306 Fax: 510-622-2459
E-Mail: tadams@waterboards.ca.gov
Responsibilities: Administrative Support for TMDL Process

2. Paul Amato, Environmental Specialist
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2429 Fax: 510-622-2501

E-Mail: pamato@waterboards.ca.gov
Responsibilities Technical Support-Flood Control South Bay

3. Marcia Brockbank, Program Manager
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2325 Fax: 510-622-2501
E-Mail: mbrockbank@waterboards.ca.gov
Responsibilities: Overall Program Management

4. Steve Cochrane, Education Director
Friends of the San Francisco Estuary
PO Box 791
Oakland, CA 94604-0791
Phone: 510-622-2337 Fax: 510-622-2501
E-mail: scochrane@waterboards.ca.gov
Responsibilities: Volunteer Monitoring, Wetlands/Creek Restoration, Education
Curriculum Development

5. Feleciana Feller, Administrative Secretary
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
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Phone: 510-622-2321 Fax: 510-622-2501
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Responsibilities: Administrative, Conference/Meeting, Accounting/Finance Support

6. OPEN, Communications Officer
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: Fax:
E-mail:
Responsibilities: Public Involvement/Outreach for TMDL Process

7. Jennifer Krebs, Environmental Planner
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1515 Clay Street, Suite 1400
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Phone: 510-622-5686 Fax: 510-622-2501
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Responsibilities: Stormwater Outreach to Local Govt., JARPA, Pesticide TMDL Support

8. Karen McDowell, Ph.D., Environmental Planner
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400

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Phone: 510-622-2398 Fax: 510-622-2501
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Responsibilities: Boater Education Program, Conference Management, Invasive
Species Issues

9. Debbi Nichols, Communications Officer
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1515 Clay Street, Suite 1400
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Phone: 510-622-2304 Fax: 510-622-2501
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Responsibilities: Education/Outreach, Conference/Meeting Support, Graphics, Web Site

10. Carrie Sandahl, Environmental Specialist
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1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2312 Fax: 510-622-2501
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Responsibilities Technical Support: Flood Control for Creek/Wetlands Alameda County

11. Laura Speare, Communications Officer
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1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2452 Fax: 510-622-2459
E-Mail: lspeare@waterboards.ca.gov
Responsibilities: Public Involvement/Outreach for Pesticide TMDL Process

12. Brendan Thompson, Environmental Specialist
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
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Phone: 510-622-2506 Fax: 510-622-2501
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Responsibilities: Stormwater Outreach and TMDL Technical Support

13. Carol Thornton, Environmental Planner
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2419 Fax: 510-622-2501
E-Mail: cthornton@waterboards.ca.gov
Responsibilities: Erosion Control Education, Supplemental Environmental Projects,
Small Grants and Habitat Programs

14. Paula Trigueros, Contract Administrator
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612
Phone: 510-622-2499 Fax: 510-622-2501

E-Mail: ptrigueros@waterboards.ca.gov
Responsibilities: Contract Administration and Management

15. OPEN, Environmental Specialist
San Francisco Estuary Project/RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612

Phone: Fax:

E-Mail:

Responsibilities Technical Support: Permits Transportation Projects (Caltrans)

APPENDIX B

SFEP's 2004-2005 Small Grant Awards - Competition

- 1. Mission Creek Conservancy** (\$8,500) – remove debris and re-vegetate portion of shoreline at Mission Creek in San Francisco.
- 2. Sonoma Ecology Center** (\$9,984) – environmental science education program for fifth grade classes in Sonoma Valley, including classroom presentations and hands-on restoration of existing wetlands.
- 3. San Francisco Bay Bird Observatory** (\$8,000) - volunteer training for monitoring nesting colonies of waterbirds in the South Bay.
- 4. Mill Valley StreamKeepers** (\$8,000) – strengthen baseline data for Coho salmon restoration in Arroyo Corte Madera watershed, Marin County.
- 5. Golden Gate Audubon Society** (\$9,000) – environmental education and restoration program for East Oakland students and their families.

6. Friends of the Estuary (\$8,000) – education and training for construction industry, public agencies and restoration community on streamside soil bioengineering techniques.

7. The Watershed Guides (\$8,000) – train student interns to lead field trips and restoration projects at Sausal and Peralta Creeks for sixth grade students in East Oakland.

8. San Pablo Watershed Neighbors Education and Restoration Society (\$9,000) – establish a creek-oriented dumping and pollution abatement program in lower San Pablo Creek watershed.

9. Contra Costa Resource Conservation District (\$8,000) – demonstration project to improve cattle grazing practices in Alhambra Creek watershed.

10. Marin Audubon Society (\$1,271) – hold public hearing as part of CALFED-funded Bahia restoration project.

11. Friends of Pinole Creek Watershed (\$5,200) – public outreach and restoration project for Pinole Creek.

12. Natural Heritage Institute (\$8,000) – environmental education, including monitoring training, for community members in North Richmond.

13. Tiburon Audubon Center (\$8,000) – produce a Guidebook to Native Oyster Restoration for Richardson Bay Wildlife Sanctuary and entire SF Bay.

Small Grants total \$100,000

14. San Francisco Estuary Institute (\$74,000) – pass through grant to provide scientific, technical support for developing/implementing ecosystem indicators, assistance with Habitat online tracking and developing long-term financial strategy.