

# Publications

(PRINT AND ON-LINE)

ESTUARY, an eight-page, bi-monthly newsletter that includes frequent, comprehensive inserts about CALFED's Science Program and the Regional Monitoring Program led by the San Francisco Estuary Institute

Bay-Delta Environmental Report Card, March 1999

Bay-Delta Environmental Report Card, September 2001

Baylands Ecosystem Habitat Goals

Baylands Ecosystem Species and Community Profiles

Boater's Pumpout Map & Guides for San Francisco Bay and the San Joaquin & Sacramento River Delta

CCMP Workbook, October 1996

Erosion and Sediment Control Field Manual and Guidebook for Construction Projects and videos: "Keep it Clean"; "Hold On To Your Dirt"

Introduction to the Ecology of the San Francisco Bay

SFEP web site: <http://sfep.abag.ca.gov>

SFEP Comprehensive Conservation and Management Plan

State of the Estuary 2002: Science and Strategies for Restoration

State of the Estuary 2000: Restoration Primer

State of the Estuary Report 1992-1997

The SF Bay-Delta Estuary Under Siege: Aquatic Invasive Species

Threats to the West: the Invasion of Western Waters by Non-Native Species

## Fact Sheets

Agricultural Drainage

Aquatic and Wildlife Resources

CCMP

Dredging and Waterway Modification

How We Use the Estuary's Water

Land Use

Overview of Estuary Concerns

Pollutants

Sacramento-San Joaquin Delta

Wetlands



# The Estuary Project's Non-Profit Partner

## The Friends of the San

### Francisco Estuary

is a 501(c)(3) non-profit organization associated with the Estuary Project. Its goal is to increase public awareness of the

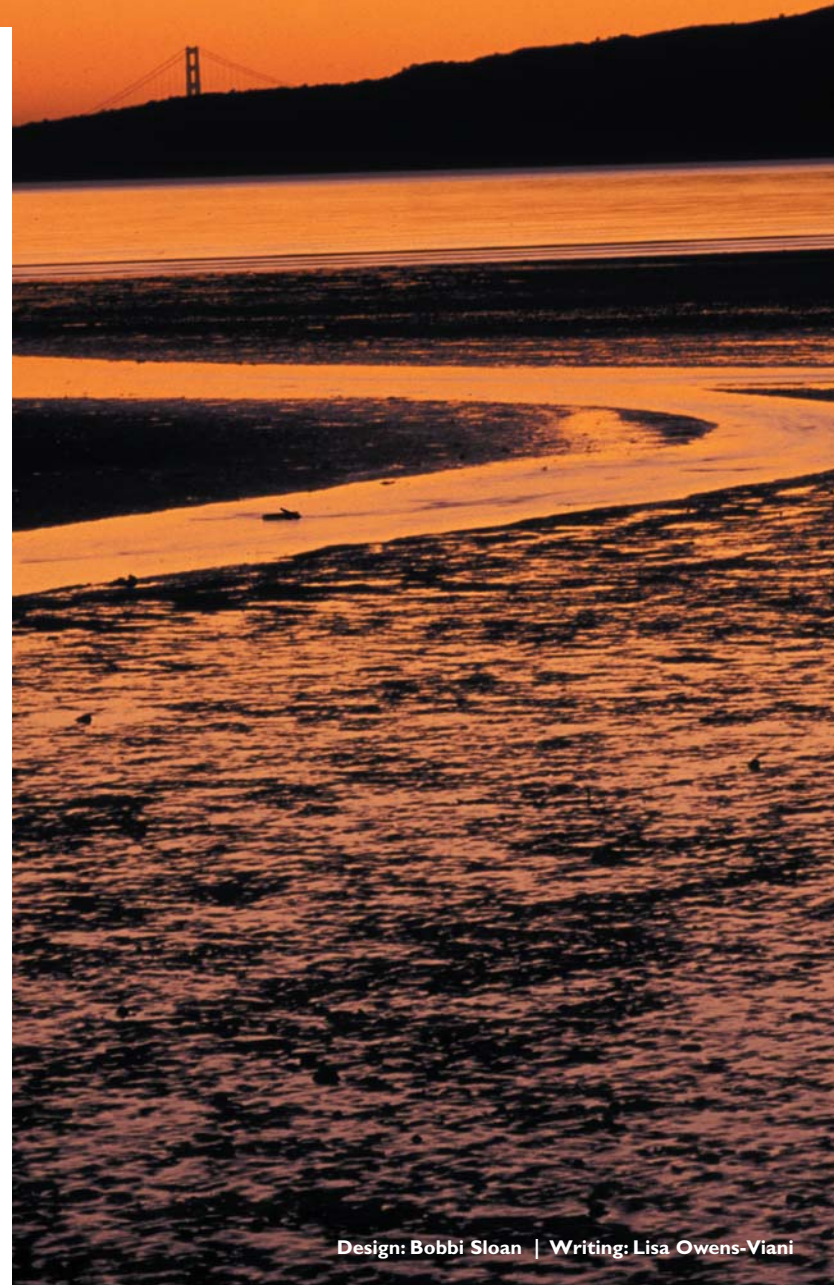


Estuary and to encourage public involvement in decision-making processes about the Estuary.

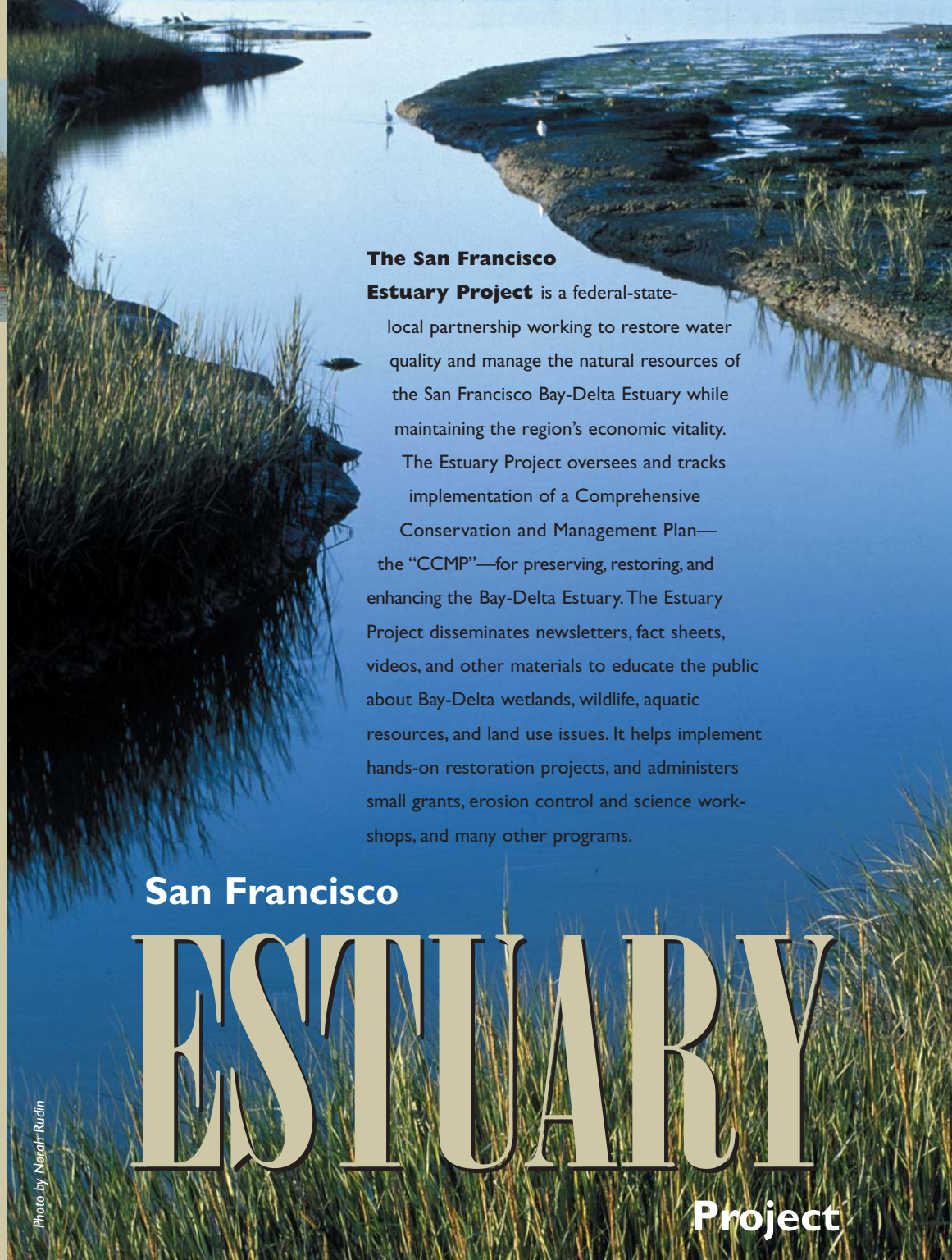
The Friends support the education programs begun by the Estuary Project by sponsoring workshops for students and teachers and

by helping community groups conduct restoration projects. As a joint project with the Regional Water Quality Control Board, the Friends work with inner-city students from Richmond High School—the "Richmond High Creek Keepers"—each year to provide environmental leadership opportunities and to train students to conduct hands-on restoration and public outreach. Donations to the Friends are tax deductible. For more information, call Steve Cochrane at (510) 622-2337.

*Photo by Norah Rudin. Inset: Richmond Creek Keepers. Photo by Steve Cochrane.*



*Courtesy Delta In-Channel Island Work Group.*



## The San Francisco Estuary Project

is a federal-state-local partnership working to restore water quality and manage the natural resources of the San Francisco Bay-Delta Estuary while maintaining the region's economic vitality.

The Estuary Project oversees and tracks implementation of a Comprehensive Conservation and Management Plan—the "CCMP"—for preserving, restoring, and enhancing the Bay-Delta Estuary. The Estuary Project disseminates newsletters, fact sheets, videos, and other materials to educate the public about Bay-Delta wetlands, wildlife, aquatic resources, and land use issues. It helps implement hands-on restoration projects, and administers small grants, erosion control and science workshops, and many other programs.

## San Francisco

# ESTUARY Project

### SAN FRANCISCO ESTUARY PROJECT

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*Photo by Norah Rudin*



# Background

## The San Francisco Bay-Delta

**Estuary** is the largest estuary on the West Coast and a vital resource for the state's human and wildlife populations.

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. Two-thirds of the state's salmon pass through the Bay and Delta, as do nearly half of the waterfowl and shorebirds migrating along the Pacific Flyway.

In 1987, Congress authorized the National Estuary Program under Section 320 of the Clean Water Act to address the decline of our nation's estuaries. California's governor nominated San Francisco Bay as an "estuary of national significance," and the U.S. EPA officially added the Bay-Delta Estuary to the program in December 1987.

The Estuary Project is financed by federal appropriations under the Clean Water Act and matching funds from state and local entities, and operates on an annual budget of approximately \$6-8 million, depending on funding availability.

# Projects / Programs

## Comprehensive Conservation and Management Plan (CCMP)

Over 100 private, government, and community stakeholders helped develop the CCMP in 1993. The CCMP sets forth 145 actions needed to save fish, conserve water, reduce pollution, and promote environmentally sound decisions about land use. Every few years, the Estuary Project convenes the CCMP stakeholders to re-evaluate the group's priorities.

The Estuary Project evaluates its progress in enhancing environmental protection by publishing a progress report called the Bay-Delta Environmental Report Card. Three report cards have been issued since 1993.

The Estuary Project also sponsors a biennial, three-day State of the Estuary Conference and produces the State of the Estuary report summarizing the science presented at the conference. The 2001 conference was co-sponsored by CALFED and more than 50 other agencies and organizations.

## Invasive Species

To help implement the Invasive Species Act of 1996, the Estuary Project works with the Aquatic Nuisance Species National Task Force and other groups to educate the public, maritime industry, and ports about ballast water and associated invasive species issues. The Estuary Project developed, printed, and distributed 25,000 copies of an 8-page fact sheet on invasive species in western states, and 20,000 copies of a 6-page fact sheet on Bay-Delta invasives.

## Boater Education

The Estuary Project conducts widespread media campaigns to educate boaters about how to prevent pollution, and prints and distributes environmental guidelines for recreational boaters along with maps of the Bay-Delta showing the location of pump-out stations.

## Construction Site Planning and Management for Water Quality Protection

Working closely with the San Francisco Regional Water Quality Control Board, the Estuary Project holds workshops each year to teach developers, builders, consultants, and municipal staffs about Best Management Practices that prevent erosion and pollution and control sediment runoff from construction sites.

## Delta In-Channel Island Work Group

In Fall 2002, the Estuary Project completed restoration of a third in-channel island, one of several islands created when channels were dredged to build Delta levees. The three projects demonstrate the benefits and habitat values of soil bioengineering/bank stabilization techniques. The Work Group plans to develop an inventory of all of the in-channel islands.



Courtesy Delta In-Channel Island Work Group.

## JARPA (Joint Aquatic Resource Permit Application)

Estuary Project staff assist project managers and public agencies needing aquatic permits by guiding them through a streamlined permit application process.

## Small Grants

In 2002-2003, the Estuary Project established a competitive, small grants program to fund community projects that improve the health of the Estuary.

# Coordination and Collaboration

ABAG CALFED Task Force

CALFED Science and Drinking Water Quality Programs

Citizen Monitoring and Watershed Assessment Resource Center; support for Coastal Conservancy funding of Watershed Assessment projects

Contaminant Levels in San Francisco Bay Fish Tissues Advisory Committee

Copper Brake Pad Partnership

EcoAtlas Information System and Tracking Habitat (with SFEI and other partners)

Electronic Reporting System for National Pollutant Discharge Elimination System Permits (NPDES) (assist SF Regional Water Quality Control Board)

Interagency Ecological program (helped organize 2003 annual conference in Asilomar)

Lagunitas Creek: worked with SF Regional Water Quality Control Board to assess benefits to salmonids after installation of large woody debris

Monitoring/Assessing Air Emission Impacts on Water Quality with BASMAA

North Bay Restoration and Enhancement Activities

Oakland Middle Harbor Enhancement Project: with Friends of the Estuary, BCDC, and the Port of Oakland, conducted technical review

San Francisco Bay Wetlands Restoration Program and Habitat Goals Project

San Francisco Bay Joint Venture

Santa Clara Watershed Management Initiative and Santa Clara Valley Water District (technical assistance)

Selection of Ecosystem Indicators for the San Francisco Estuary (with SFEI, The Bay Institute, and other partners)

Supplemental Environmental Projects (oversight of local environmental projects funded through Administrative Civil Liabilities fines imposed by the SF Regional Water Quality Control Board)

TMDL (Total Maximum Daily Loads for pollutants of concern) —assist SF Regional Water Quality Control Board with public outreach