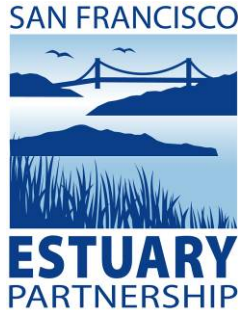


**SAN FRANCISCO ESTUARY PARTNERSHIP**  
**Implementation Committee Meeting**  
Wednesday, May 23, 2012, 9:30 a.m. – 12:30 p.m.  
1515 Clay Street, 2<sup>nd</sup> Floor, Room 10, Oakland, CA

**AGENDA**

- 1. Introductions; Approval of March 7 Meeting Summary** *Attachment 1*  
9:30 *Tom Mumley, IC Chair* **Action**
- 2. Public Comments**  
9:40 Any member of the public may address the IC on any matter regarding implementation of the Comprehensive Conservation and Management Plan (CCMP). Time is limited to three minutes. Written comments are also accepted.
- 3. Director's Report** *Attachment 2*  
9:45 *Judy Kelly, Director*
- 4. SFEP Activities**  
10:00 a. Proposal to extend 2010-12 Strategic Plan **Action**  
b. Video contest discussion: *Dr. Terry Young, member SFRWQCB*
- 5. Programs, Ideas, and Priorities from IC Members**  
10:15 Bay Water Quality Improvement Fund callbacks: *Luisa Valiela, EPA*  
  
10:30 Uplands Goals update: *Ryan Branciforte and Nancy Schaefer, Land Conservation Services*  
  
11:00 **BREAK**
- 11:15 Delta National Heritage Area Feasibility Study: *Alex Westhoff, Delta Protection Commission*
- 11:45 Bay Program's 15th anniversary, accomplishments: *Amy Hutzel, State Coastal Conservancy*
- 6. Concluding Business**  
12:15 Road Map: Review, additions to agenda items for upcoming IC meetings *Attachment 3*  
  
12:25 Announcements
- 7. Adjourn**  
12:30



**SAN FRANCISCO ESTUARY PARTNERSHIP**  
**Implementation Committee Meeting**  
March 7, 2012, 9:30 a.m. – 12:30 p.m.  
Elihu M. Harris State Building, Oakland, California

**DRAFT MEETING SUMMARY**

**1. Introductions**

Tom Mumley, Chair of the Implementation Committee, called the meeting to order at 9:35 am with a round of introductions. The Meeting Summary for November 2, 2011 was approved.

**2. Public Comments**

There were no public comments.

**3. Director's Report**

Judy Kelly, Director, reviewed highlights from the Director's Report including the annual trip to Washington, D.C., to meet with U.S. EPA headquarters staff and ANEP (Association of National Estuary Programs) members and to visit Congressional offices. She noted three things: the baseline funding for the NEPs is budgeted to stay the same for FY13; the NEP authorization has run out, leaving the 28 programs at some risk; and the San Francisco Bay Restoration bill was reintroduced by Senators Boxer and Feinstein and Representative Speier. There is renewed effort to move the Great Waters bill, efforts continue to obtain reauthorization, and there is some funding in the federal budget for the San Francisco Bay Water Quality Improvement Fund.

SFEP staff changes include the addition of Caitlin Sweeney to manage a new Watershed Program, Jesse Mills to assist on the trash project and others, Josh Bradt to manage the San Pablo Green Stormwater Spine, and Ariel Rubissow Okamoto as newsletter editor.

Judy also pointed out pieces included in the meeting packet: the Summary of the State of the Bay Report and the SFEP 2011 Highlights that recaps this year's array of Partnership projects.

Peter LaCivita asked about the Trash Capture project. There are 66 cities partnering in the project, which has \$4.25 million for installing trash capture devices which cost anywhere from \$700 per catch basin to \$100,000 or more for a large separator.

Barbara Salzman requested time on the agenda to talk about a program of Friends of the Estuary.

Tom Mumley noted there were some IC membership changes: Melody Tovar changed from City of San Jose to City of Sunnyvale but remains an IC member; Napa County Supervisor Mark Luce replaces Union City Mayor Mark Green as one of the ABAG representatives; Steve Goldbeck is replacing Will Travis as the BCDC representative; and Will Travis will now represent the Joint Powers Authority. Amy Chastain noted BACWA will have a new representative at the next meeting as she is moving to SF PUC.

#### 4. SFEP Activities

##### a) Developing a Watershed Program for the Partnership

Caitlin Sweeney gave a presentation about her work to develop a watershed program. Key objectives of this program are to implement CCMP objectives, promote healthy watersheds, and promote and coordinate regional collaboration and strategic efforts. She has held discussions with numerous stakeholders; recurring themes include SFEP adding value, obstacles, and prioritizing opportunities.

The program has established four program goals:

1. Support community based watershed stewardship  
Ways to achieve this goal include: Support BAWN (Bay Area Watershed Network), a watershed forum organized by the Regional Water Board staff; collaborate on proposals; provide staff support; grow capacity of BAWN and increase membership; focus on an online presence by creating a new website for community based watershed groups; gather information on local watershed groups for GIS; provide geographic interface and historical ecology links.
2. Provide local government support  
This will be achieved by developing model ordinances, General Plan language, and permit condition templates, and assisting with compliance with new policies and Watershed Management Plans.
3. Complete a Watershed Health Inventory and Assessment  
Currently there are no regional assessments, and there is a need to develop an assessment protocol.
4. Increase resilience and adaptive capacity  
Work on this goal will be to assess impacts of climate change on wetland restoration, riparian restoration, hazard management, and water supply; and to promote multi-benefit projects focused on resilience.

SFEP is working to find funding for these efforts; some has been obtained through an IRWMP implementation grant.

A discussion among members followed. Barbara Salzman noted other groups are working in watersheds besides watershed groups and they should be included in the program. Caitlin stated the website will gather information on activities so that creek restoration can be tracked. Marc Holmes stated there is a wide variety of watershed assessment measures and an assessment protocol should align with the recent methodology in the 2011 State of the Bay Report. Caitlin stated the program will help coordinate the conversation; she is focusing on various scales; comparable scales for appropriate benchmarks. Rainer allowed that institutional barriers must be considered as well (Central San prohibited from selling recycled water to water agencies). Caitlin stated the program has many issues to address; sediment issues including dredged material reuse for restoration. Arthur Feinstein noted there is huge ignorance on the issues. Caitlin stated education and outreach are a key piece of SFEP programs. Amy Hutzler commented that it is excellent that SFEP is moving in this direction to focus on creek watersheds and riparian habitat, connecting with other entities in watersheds such as open space districts, land trusts is also critical. Mapping may focus on the Friends groups but agencies are also working in watersheds (for example, SF PUC in Alameda Creek). Melody commented the Bay-wide branding campaign can encompass key messages for the program. Beth Huning said the need is to emphasize collaboration, not redundancy. Arthur Feinstein noted more environmental organizations need to be included; he stated that creek groups can be parochial and not necessarily environmental, and

suggested giving NGOs (such as the Sierra Club) the opportunity to participate. He stated that community based restoration should include broad outreach.

**b) ESTUARY NEWS Newsletter: Survey and Potential Changes**

Editor Ariel Okamoto gave a presentation covering a survey that was conducted to evaluate the utility of the newsletter and the best delivery mechanism. The newsletter's emphasis is on science and restoration, and its Editorial Board supports maintaining science reporting as the newsletter's current niche. Most readers are agency and government staff. Ariel is working on new ways to raise money and get more support. Suggestions from the survey included more connection to the web; expand readership; rely on a print edition. There was discussion as to the preference for a print or web edition, or both. A diverse multi-media approach was suggested. It was noted the Editorial Board is content focused and not a decision making board. It was suggested to make the newsletter more appealing to the next generation and get more people keyed into the issues. Ariel invited the group to send her ideas about expanding the newsletter and making it more relevant.

**c) San Francisco Bay Water Quality Improvement Fund**

Luisa Valiela gave a very brief synopsis of the request for initial proposals: initial proposals are due March 16 with full proposals due in early May, and all information is available on the EPA Region 9 website for this grant opportunity. The grant has two "pots" of funding: \$1 million requiring 25% match and \$5 million with a 50% required match.

SFEP staff proposal ideas include

- Janet Cox: Requesting \$2 million for more trash demonstration device installation and to expand trash tracker website
- Jennifer Krebs: Oro Loma Wastewater treatment facility proposal to provide \$1.2 million for upland habitat restoration
- Athena Honore: Proposal for regional branding for estuary pesticide protection

Other partners submitting proposals include

- Amy Chastain: proposal continuing pilot project for POTWs, stormwater, industrial permit-reduce exposure to mercury, PCBs
- Beth Huning: proposal on restoration of Sears Point; sediment reuse & dredging
- Amy Hutzler: proposal on salt ponds, mercury and Spartina eradication
- Carol Arnold: RCDs working with Ecology Action for Contra Costa County historical ecology
- BASMAA: more evaluation on trash; continuation of mercury/PCBs projects
- Harry Seraydarian: NBWA is not proposing, but Sonoma Ecology Center is proposing for combined watershed restoration for Marin-Sonoma; Napa RCD is deferring to the Flood Control District.

**d) Review, Approve SFEP Draft Work Plan 2012-13**

Judy stated the Work Plan is due earlier than the past cycles for approval, so SFEP is asking for conditional approval of the draft Work Plan in order to submit ahead of the next IC meeting in May. Discussion included many compliments on the structure; everything flowing from the Strategic Plan. Specific comments included:

- Barbara Salzman: wants to see the budget summary
- Arthur Feinstein: would like an IC update on the Bay Area Branding project
- Luisa Valiela: would like milestones rather than "continuous" in the Timeline column. On page 22 it states a Science Advisor has been hired. Judy stated we are in dialog with SFEI on the best way to integrate science and the SFEP program

- Steve Goldbeck: would like to see more references to climate change in the Work Plan; more emphasis on addressing climate change; staffing the JPC; what we are doing
- Melody Tovar: wants more leveraging with ABAG on FOCUS and climate action activities; would like to agendize the overlap of watershed protection and water quality with climate change as a future IC meeting discussion.
- Harry Seraydarian: would like to see a placeholder for a cost/benefit analysis on green infrastructure.

It was moved and seconded to approve the Draft Work Plan. The motion passed.

**e) Affirm IC Chair and Vice Chair**

The IC is requested to affirm the nominations of Tom Mumley as IC Chair and Amy Hutzel as Vice Chair for the period May 2012-May 2014. It was moved and seconded; the motion passed.

**f) Action to Endorse S.B. 97 and H.R. 3034 (San Francisco Bay Restoration Act)**

Judy requested action for SFEP to send letters to endorse these bills. Marc Holmes requested ABAG endorse also. Barbara requested other organizations send letters of support as well; anyone who wants assistance with a letter may contact Marc. The motion passed.

**5. IC Member Programs**

**a) Friends of the Estuary** Barbara Salzman stated that the Friends Board discussed the importance of fresh water to the Estuary at their previous meeting. Friends will fund a program to educate people as to the importance of fresh water and will spend \$25,000 to engage an organizer for this issue. They seek matching funds of \$25,000.

**b) Baylands Habitat Goals Update** Leticia Grenier of the SCC is working with the Coastal Commission and the JPC on an update to the Goals Report to include climate change. It will be a technical update covering existing knowledge and key research needs and priorities. The two-year project (ending January 2014) will address climate change effects on the Baylands and provide science-based recommendations to increase resiliency. The project structure includes a Steering Committee of resource managers, science working groups by topic, science contributions from regulatory partners, facilitated workshops, an independent science review, and public outreach.

Focal topics include sediment supply and marsh accretion, changes in water regimes, marsh transgression into uplands, and carbon sequestration. Leticia noted that the update would include Suisun but not the Delta. The environmental community can follow the process on the website and in workshops. The report is envisioned as a supplement to the Habitat Goals Report. Steve Goldbeck noted acidification is one of the great unknowns: how it will impact organisms of the Estuary?

**c) Pacific Marine and Estuarine Fish Habitat Partnership** Korie Schaeffer spoke about this national program to protect and restore fish habitat populations. There are 18 national partnerships, regionally based and mostly for fresh water. The Pacific Partnership includes California, Oregon, and Washington with a focus on habitat protection and restoration of the nearshore marine and estuarine environments. The priority focus is on juvenile fish habitat, tidal wetland-intertidal connectivity, water quality, and water quantity. The group is working on a Draft Strategic Plan that will include a fish habitat assessment at baseline condition, current fish data, and a condition assessment. It will also develop guidance including specific actions and performance measures.

**d) Joint Venture Monitoring and Assessment Plan** Beth Huning spoke about the SF Bay Joint Venture developing a Monitoring and Evaluation Plan to measure ecosystem restoration quantity and quality. The plan will monitor habitat quantity, organism status and trends, and environmental challenges. There is a need for coordinated data management. Phase I, which set priority monitoring and research objectives, is complete. The priority objectives include net landscape change monitoring; focal species abundance, distribution, and reproductive trends; integrative and accessible data management; habitat condition assessments; and impacts from climate change. Phase II will focus on habitat condition, develop conservation strategies for wetland habitat types, and produce a standardized monitoring program for habitat condition assessment. For more information, see [www.sfbayjov.org/monitoring-evaluation.php](http://www.sfbayjov.org/monitoring-evaluation.php).

#### **6. Agenda Items for May 23, 2012**

The following items were raised for addition to the Road Map for future IC meetings:

ABAG/SFEP – FOCUS/Climate Change/Watershed-Water Quality  
Bay Area Branding Effort

#### **7. Announcements**

Amy Hutzel announced that the SCC Bay Program is celebrating its 15-year anniversary with an open space conference May 10 in the Presidio and a report on accomplishments.

Beth Huning announced that the Bay Joint Venture is also celebrating its 15<sup>th</sup> year with an anniversary publication, and she also mentioned the recently released State of the Birds Report.

John Klochak announced the National Coastal Wetlands Program will request proposals for wetland acquisition and restoration, up to \$1 million. Applications are due in late June, and only states are eligible to apply.

Harry Seraydarian announced the Bay Area IRWMP is being updated; it is targeted for adoption in late 2013.

Erica Yelensky announced that U.S. EPA is offering low impact development technical assistance. Letters are due early April. See the EPA Green Infrastructure website (which also includes useful cost-benefit information).

The meeting was adjourned at 12:22 p.m.

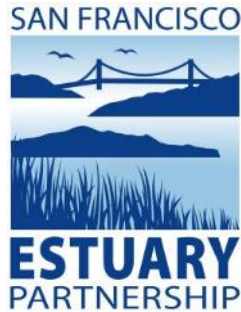
#### **SFEP IC Meeting Attendees**

Carol Arnold	Contra Costa RCD
Amy Chastain	BACWA
Kansen Chu	City of San Jose
Arthur Feinstein	Citizens Committee to Complete the Refuge
Steve Goldbeck	BCDC
Leticia Grenier (part)	SCC
Rainer Hoenicke	SFEI
Marc Holmes	The Bay Institute
Beth Huning	SF Bay Joint Venture
Amy Hutzel	Coastal Conservancy
John Klochak	US FWS
Peter LaCivita	USACE
Jane Lavelle	SFPUC

Mark Luce (part)	ABAG
Jessica Martini	Sonoma County Water Agency
Tom Mumley	San Francisco Bay Regional Water Quality Control Board
Ariel Okamoto (part)	ESTUARY NEWS Newsletter
Barbara Salzman	Marin Audubon
Korie Schaeffer	NOAA, NMFS
Harry Seraydarian	NBWA
Melody Tovar	City of Sunnyvale
Will Travis	BCDC
Luisa Valiela	US EPA, Region 9
Alex Westhoff	Delta Protection Commission
Erica Yelensky	US EPA, Region 9

**SFEP Staff**

Judy Kelly  
Janet Cox  
Athena Honore  
Jennifer Krebs  
Karen McDowell  
Jesse Mills  
James Muller  
Caitlin Sweeney  
Paula Trigueros



## DIRECTOR'S REPORT

May 23, 2012

### General

#### **EPA Coastal Management Branch Visits the Partnership**

The Partnership hosted Dr. Bernice Smith, Chief of the Coastal Management Branch in the Office of Wetlands, Oceans and Watersheds (Office of Water) at U.S. EPA on April 26. Dr. Smith visited to learn more about the program and build relationships between our offices. After a tour of the South Bay Salt Ponds and the Newcomb Avenue Green Street in San Francisco, staff briefed Dr. Smith on current projects and IC Chair Tom Mumley discussed SFEP's 20-year history, achievements, and lessons learned.

#### **2012-13 Final Work Plan: Budget Summary**

The final work plan is posted online and included in this packet. This year's work plan has a budget of \$6.99 million, comprised of 58% state and local funds and 42% federal funds.

#### **New Contracts Received and Grants Awarded**

- \$49,999 from California Department of Boating and Waterways for Coastal Regional Sediment Management Planning (San Francisco Littoral Cell) outreach and governance structure coordination
- \$717,000 Urban Greening grant award for a third El Cerrito site in the San Pablo Avenue Green Stormwater Spine project

#### **Changes in the IC Membership**

Please join me in welcoming Jim Kelly, new director of BACWA, who will replace Amy Chastain. Prior to joining BACWA, Jim served as General Manager at Central Contra Costa Sanitary District (capping a 28-year career with the District).

Marina Psaros will be leaving the IC, as she is no longer with the SF NERR; however, Jaime Kooser will continue to represent the NERR.

#### **Resolution on Ecosystem Health and the Need for Freshwater Flows for San Francisco Bay Estuary**

A resolution went to the ABAG Executive Board May meeting asking for the Board to express its interest that the health of the San Francisco Bay Delta system be adequately considered as part of water supply planning processes now underway regarding Delta facilities, Delta area planning, State Water Resource Control Board plans, and in other important Bay-Delta planning programs. The resolution is an outgrowth of the 2011 State of the Bay Report, which was the subject of a presentation at the February 2012



Bernice Smith and I attended a tour of the completed Newcomb Avenue project.



Administrative Committee Retreat about the need for adequate freshwater flows into the Delta and Bay and noting that the results of the Report show a serious diminishment over time of freshwater into the Bay Delta system and a decline of the resources depending on such flows. The outcome of the resolution would be to express the will of the Executive Board that freshwater inflow improvements during critical periods be part of whatever set of solutions is agreed upon as an outcome of those processes.

### **7th Biennial Bay-Delta Science Conference – Call for Abstracts by June 8, 2012**

The Biennial Bay-Delta Science Conference will be held at the Sacramento Convention Center, October 16-18, 2012. The conference is a forum for presenting technical analyses and results relevant to the Delta Science Program's mission to provide the best possible, unbiased, science-based information for water and environmental decision-making in the Bay-Delta system. The organizers of this 7th Science Conference are seeking presentations that support the conference's goal, to provide new information and syntheses to the broad community of scientists, engineers, resource managers, and stakeholders working on Bay-Delta issues. Abstracts are due June 8, 2012 (see <http://scienceconf.deltacouncil.ca.gov> for details).

The conference program will feature both oral and poster presentations relevant to specific themes, including the conference theme "Ecosystem Reconciliation: Realities Facing the San Francisco Estuary." There is growing realization that the San Francisco Estuary ecosystem is vastly changed and is continuing to change as the result of human actions. For it to function in desirable ways, we have to reconcile human



use with maintaining desirable natural elements such as native species. And because the new ecosystem is increasingly unlike any previously experienced, we need to develop new ways of reconciling these potentially conflicting goals. Confirmed plenary speakers for the 2012 conference include Peter Goodwin, Delta Science Program; Ellen Hanak, PPIC; Marcia McNutt, USGS; and Charles J. Vörösmarty, CUNY Environmental Crossroads Initiative.

For more information, please visit the conference web site: <http://scienceconf.deltacouncil.ca.gov/>.

## **Land Use and Watershed Protection**

### **Newcomb Avenue Green Street Project Completed**

The Newcomb Avenue model block project, including a green street component, completed construction in early spring. The project included traffic calming, street beautification, and infiltration of stormwater runoff through landscaped chicanes. The contractors are monitoring plant establishment and maintenance and completing punch list items through May. The project is gathering post-construction flow data. Pre-project conditions included speeding traffic and illegal dumping; the project has benefited residents as well as the environment.



**Newcomb Avenue stormwater infiltration area**

### San Pablo Avenue Green Stormwater Spine Project Approaching \$5 Million

The San Pablo Avenue Green Stormwater Spine is a pilot project and model for Bay Area municipalities implementing “green” infrastructure projects as part of their stormwater management efforts. The Spine Project will design, build, and monitor an array of Low Impact Development (LID) projects distributed along 12.5 miles of San Pablo Avenue, a major thoroughfare passing through a number of East Bay cities.

Seven participating cities and Caltrans will work on this project. The project has secured funding from several sources including Caltrans, EPA’s Bay Water Quality Improvement fund (design), IRWM (construction, construction oversight, and monitoring), and a new award from the Urban Greening program will add another site in El Cerrito. SFEP’s project manager Josh Bradt is working on agreements with participating cities and reviewing Statements of Qualifications for design services. The project expects designs in place early spring 2013, construction in summer 2013, and post-construction water quality monitoring in 2014.

The fully-constructed El Cerrito Green Street Rain Garden project has completed sampling from a first season of winter storms, and is currently awaiting lab results.

### Coastal Regional Sediment Management Project Launches

SFEP is working with ESA PWA and the California Sediment Management Workgroup to coordinate parts of a Regional Sediment Management Plan process for the San Francisco Littoral Cell (the coastal area from San Francisco to Pedro Point in Pacifica). The effort will focus on sand resources (supply and deficit areas) and coastal erosion, working with local stakeholders including municipalities and state and federal agencies. The plan process has begun: the ESA PWA technical team has gathered data and is working on draft plan information, and public outreach is underway. SFEP is coordinating public outreach, stakeholder outreach, and development of a governance structure at ABAG for ongoing sediment management work in this area. An initial meeting of the Stakeholder Advisory Group was held in San Francisco in late March to introduce the plan to affected stakeholders and to review technical data that will form basis of the plan. The second Advisory Group meeting and public meetings will be held in June in San Francisco, Daly City, and Pacifica. More information is available at [http://dbw.ca.gov/csmw/crsmp\\_sf.aspx](http://dbw.ca.gov/csmw/crsmp_sf.aspx).



50 attendees reviewed project data at the March stakeholder meeting.

### Alameda County Green Stormwater Solution Report Completed

Led by Community Conservation Solutions, a nonprofit organization in Los Angeles, and supported by SFEP and a host of local agencies, the Green Solution Project conducted a broad assessment of green stormwater opportunities in Alameda County watersheds — from the highly urbanized bayside watersheds to the more rural and undeveloped upper watersheds. With support from an engineering firm, the team then examined public properties within the region to determine potential for implementing multi-benefit stormwater treatment projects that would improve water quality and provide needed open space, habitat, and recreation areas. The project sought to quantify and identify public lands suitable for conversion from impervious to pervious cover in order to capture urban/stormwater runoff while adding public amenities.



The project relied on GIS data analysis and mapping. It combined land use, hydrology, and parcel databases, and documented study methods and results in a series of regional and local scale maps. The final report is available at [http://www.sfestuary.org/userfiles/file/CCS-GreenSolution\\_AlamedaCo\\_Report\\_9-2011.pdf](http://www.sfestuary.org/userfiles/file/CCS-GreenSolution_AlamedaCo_Report_9-2011.pdf).

## Water Quality



Erosion rills/scars carry sediment from the highly mercury-contaminated historic mine tower.

### Senador Mine Erosion Control Project

This project is working to reduce mercury loading to downstream waters from the Senador Mine in the South Bay, helping to implement the TMDL for mercury in San Francisco Bay through erosion control measures to stabilize an actively eroding creek system. The project has completed a site prioritization process and is currently reviewing remediation alternatives and assessing what portions of the work can be completed with available funds.

### Bay Protection and Behavior Change Campaign Begins Branding

Work is underway to develop a unified regional brand for public outreach on stormwater and wastewater pollution. The consortium's

mission is to collaborate on regional behavior change campaigns in order to achieve message effectiveness, cost efficiencies, and permit compliance in reaching and influencing shared audiences. The group is working with Genius Rocket, a "curated crowdsourcing" creative agency that works with numerous designers, to develop a brand identity include a logo, taglines, and usage guidelines. Materials will be vetted through the participating agencies and focus groups. A fuller update will be brought to the August meeting.

## Communications

### SFEP's Facebook: Follow Us or Promote Your Own Events

Not yet following SFEP on Facebook? You may have missed recent updates about this spring's creek and river cleanup opportunities, Delta plans, the Be The Street youth video initiative, and more. "Like" SFEP at



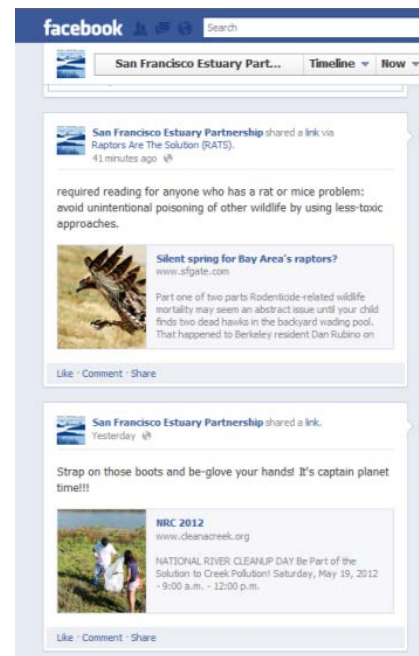
<http://www.facebook.com/pages/San-Francisco-Estuary-Partnership/148963181840875?sk=wall>.

Implementation Committee members are welcome to publicize events and announcements by posting them on SFEP's Facebook page.

### ESTUARY NEWS New Issue and New Approaches



April's issue features articles on inheriting a floating collection of toxics, how EBMUD's treatment plant has become the first to produce more energy than it needs to operate, surprising bird nesting activity on newly built South Bay islands, and some analysis of the Bay-Delta Conservation Plan. Find it online at [http://www.sfestuary.org/PDF/newsletters/Estuary\\_04\\_12\\_6\\_Web.pdf](http://www.sfestuary.org/PDF/newsletters/Estuary_04_12_6_Web.pdf).



ESTUARY NEWS will no longer seek subscriptions. Instead, we will look for annual contributions to support the newsletter from readers, IC member agencies, and members of the newsletter's editorial board.

Changes continue: There is a new online signup to receive ESTUARY NEWS, at <http://www.sfestuary.org/pages/newsletter-signup.html>. We have had good response; over 100 new subscribers have already signed up there. The goal is to move as many readers as possible to the new online format. The newsletter will now be produced five times each year, increasing from eight to twelve pages per issue.

The editorial board for the newsletter currently has 27 members from a range of agencies and organizations, listed below.

**Carol Arnold**

Executive Director, Contra Costa RCD

**Chuck Batts**

Wastewater engineer, BACWA

**Peter Baye**

Botanist, formerly with USFWS

**Marc Beyeler**

Planner and former senior executive, Coastal Conservancy

**Marcia Brockbank**

Former director SFEP

**Jules Evens**

Avocet Research Associates

**Arthur Feinstein**

Wetland activist, Citizens Committee to Complete the Refuge

**Bruce Herbold**

Fish biologist, USEPA

**Rainer Hoenicke**

Director, SFEI

**Marc Holmes**

The Bay Institute

**Beth Huning**

Coordinator, SF Bay Joint Venture

**Amy Hutzal**

Director, Bay Conservancy, SCC

**Judy Kelly**

Director, SFEP

**John Klochak**

Coastal Program Manager, USFWS

**Larry Kolb**

Former staff, SFBRWQCB

**James Kuwabara**

Hydrologist, U.S. Geological Survey

**Steve Moore**

Member, State Water Resources Control Board

**Richard Morat**

Board member, Friends of the Estuary

**Tom Mumley**

Assistant Executive Officer, SFBRWQCB

**Chris Parry**

California Coastal Commission

**Tim Ramirez**

Director, Natural Resources, SFPUC

**Amy Ricard**

Media Relations, Save The Bay

**Ann Riley**

Watershed Restoration Advisor, SFBRWQCB

**Tina Swanson**

Science Center Director, NRDC

**Doug Wallace**

Environmental Affairs Officer, EBMUD

**Leo Winternitz**

Delta Projects Director, Nature Conservancy

Kirsten Struve is no longer representing the City of San Jose; Cheryl Wessling may replace her.



**IC “Road Map” for Upcoming Meetings**

**August 22, 2012**

*Confirmed*

- Discussion: SFEP recommendations on extending Strategic Plan
- Regional stormwater and wastewater pollution prevention outreach (Bay Protection & Behavior Change) update: new brand development (tagline and logo)

*Potential*

- Claire Thorp/Tony Chatwin on NFWF Marine and Coastal Keystone program, keystones initiated in California, concept plans for SF Bay
- In-depth discussions of America’s Cup
- Discussion of how watershed protection and water quality overlap with climate change issues (Melody Tovar)
- Delta decisions: briefing and discussion on how the IC wants to be involved
- Delta Stewardship Council 6<sup>th</sup> Staff Draft; schedule and contents
- SF Bay Restoration Authority outlook for local funding ballot measures in 2014/2016
- Oil Spill response and restoration: Cosco Busan DARP presentation by trustee agencies on what has changed and preparation for response to the next spill
- Standing item: Upcoming known funding opportunities

**November 28, 2012**

*Potential*

- State of the Bay Report Next Steps: How do we improve scores? What do we focus on?
- Adam Olivieri discussion on state of emerging contaminants in San Francisco Bay: what is known, outline of management strategy
- Upcoming known funding opportunities

**February/March 2013**

- 
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**May 2013**

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# SAN FRANCISCO ESTUARY PARTNERSHIP

## FFY 2012-2013 WORK PLAN AND BUDGET

OCTOBER 1, 2012 - SEPTEMBER 30, 2013

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# INTRODUCTION

## THE SAN FRANCISCO ESTUARY PARTNERSHIP

The San Francisco Estuary Partnership works collaboratively with federal, state, and local agencies to restore and improve the health of the San Francisco Estuary. The Partnership developed and tracks implementation of the Estuary's environmental master planning document, the *Comprehensive Conservation and Management Plan*, (Comprehensive Plan, or CCMP); manages over 50 technical research and restoration projects throughout the greater San Francisco Bay Area; and educates the public about Bay-Delta ecological issues including wetlands, wildlife, aquatic resources, land use, and pollution prevention. We also sponsor scientific conferences and colloquia including the biannual State of the Estuary, and publish reports such as *The State of the Bay* (2011). The work of the Partnership is funded through over 35 different federal, state, and local grants and contracts and supported by the San Francisco Bay Regional Water Quality Control Board, which houses our offices, and the Association of Bay Area Governments, our parent agency.

This work plan implements a cooperative agreement between the U.S. Environmental Protection Agency, the Association of Bay Area Governments, and the San Francisco Bay Regional Water Quality Control Board. It supports the continued implementation of the Comprehensive Plan.

## OUR ESTUARY

At 1,600 square miles, the San Francisco Estuary is the largest on the West Coast and drains over 40 percent of California's land area. Extending into the Sacramento-San Joaquin River Delta, the Estuary provides drinking water to nearly two-thirds of the state's population, and supplies irrigation water to four million acres of farmland. Although significantly altered since 1850, the Estuary still supports significant wildlife: About two-thirds of the state's salmon travel through the Estuary as young fish and return to spawn as adults. Almost half of the migratory birds on the Pacific Flyway pass by the Golden Gate or stop in San Francisco Bay's remaining wetlands.

Thanks to the tireless efforts of public agencies and private environmental groups around the Bay, many issues affecting the health of the Estuary are being addressed. Yet much remains to be done. The Estuary has lost more than 90 percent of original tidal wetlands to fill and development since the Gold Rush. Our remaining wetlands serve many important functions, acting as natural pollution filters, trapping sediment, providing flood protection, and offering habitat for fish, shellfish, waterfowl, and other wildlife. Acquisition and restoration of the region's wetlands has long been a top priority among CCMP actions, and the Partnership supports numerous efforts to protect and restore this critical habitat.

Our Estuary, however, is a place where more than nine million people live and work, and so much human activity comes at an environmental cost. Our Bay Area/Sacramento-San Joaquin River Delta economy includes industry, shipping, fishing, farming, and recreation, all of which generate point source and nonpoint source pollution. Water quality is impaired throughout the Estuary's aquatic systems due to legacy pollution, such as PCBs and mercury; and new compounds found in pesticides, fertilizers, industrial processes, and personal care products. Urban runoff, especially challenging, is a significant source of many contaminants, including mercury, PCBs, pathogens, a new generation of pyrethroid pesticides, nutrients, and trash. Introduced, invasive aquatic plant and shellfish species take a toll on the health of the Estuary's ecosystems.

In all estuaries, the amount of fresh water that flows in from upland watersheds defines the quality and quantity of estuarine habitat. Most of the fresh water that flows into the San Francisco Estuary comes from the Sacramento and San Joaquin River basins, which provide more than 90 percent of total inflow in most years. Smaller local streams, principally the Napa and Guadalupe rivers and Alameda, San Francisquito, Coyote, and Sonoma creeks, contribute the balance.

Freshwater flows into the San Francisco Estuary have been greatly altered by upstream dams and water diversions. California's State Water Resources Control Board recently determined that, in order to protect public trust resources in the Sacramento-San Joaquin Delta and the Estuary, 75 percent of runoff from the Sacramento and San Joaquin river watersheds should flow unimpaired out of the Delta and into the estuary. From 2000 to 2009, on average only 52 percent of estimated unimpaired inflow actually flowed into the estuary. How to address the needs of the estuary for additional unpolluted flow is the subject of several major concurrent efforts at the regional and state levels. SFEP will continue to closely track these processes. (See [www.sfestuary.org](http://www.sfestuary.org) for additional information about the Estuary.)

## FUNDING

The Partnership's budget for federal fiscal year 2012-13 is **\$6,471,350** [see detailed budget [Attachment 4](#)]. State and local funds provide approximately 54 percent of the total budget (\$3,504,651) while Federal funds not from the NEP allocation provide approximately 46 percent (\$2,966,699).

**Clean Water Act Section 320 Funding.** This year's EPA allocation is **\$598,800**, or 9 percent of SFEP's total budget. This amount is included in the federal total above. These highly leveraged National Estuary Project (NEP) funds provide partial support for salary, benefits, and other fixed costs for eight core staff. The work of seven additional staff, funded under agreements with other agencies or entities, also focuses on CCMP implementation and is reflected in this work plan. See staffing and budget details in Attachment 4.

**Match Funds.** The San Francisco Bay Regional Water Quality Control Board provides grant match for Section 320 funding through in-kind support for office space, computers, phones, mailing, supplies, etc.; this is estimated at **\$550,000** annually. Local agency and Caltrans contracts for technical support related to permit compliance also contribute to the NEP match. Additionally, ABAG provides direct project match as well as in-kind support for financial statements, payable reports, invoicing, and legal assistance.

SFEP consistently leverages NEP funds by amounts ranging from 14:1 (2006) to 21:1 (2008).

This Work Plan implements the 2009 Strategic Plan goals and objectives, which follow.



# THE STRATEGIC PLAN: 2009 – 2012 GOALS AND OBJECTIVES

## GOAL 1: FOCUS COMPREHENSIVE PLAN IMPLEMENTATION ON FOUR KEY OBJECTIVES

### *OBJECTIVE 1: Promote integrated watershed stewardship*

Integrate projects within key watersheds, from headwaters to bay. Increase health and resilience of watersheds and active partnerships in the region to improve water quality and habitat health.

### *OBJECTIVE 2: Support Estuary resilience in the face of climate change*

Expand the toolbox of watershed protection measures needed under a changing climate regime and provide the necessary baseline information to adaptively manage the health of our waterways.

### *OBJECTIVE 3: Promote green infrastructure and reduce pollution from stormwater runoff*

“Green Infrastructure” improves water quality while providing wildlife habitat and opportunities for outdoor recreation. Practices range from large scale preservation/restoration of natural landscape features to site specific features such as rain gardens, porous pavements, green roofs, flow-through and infiltration planters, trees and tree wells, and rainwater harvesting.

### *OBJECTIVE 4: Champion the Estuary*

Develop and implement a communications program to increase support of SFEP’s Bay protection and restoration activities. Implement communications strategies and campaigns to improve local and regional decision making and increase public awareness resulting in positive behavior change.

## GOAL 2: REORGANIZE SFEP FOR GREATER EFFECTIVENESS

*The Partnership is well-positioned to implement its historically modest budget. However, in order to support an expanded effort, it is necessary to increase the organization’s budget and program capacity.*

*OBJECTIVE 5: Reaffirm role of SFEP’s Executive Council*

*OBJECTIVE 6: Establish a Steering Committee to support SFEP Director*

*OBJECTIVE 7: Expand participation of local elected officials*

*OBJECTIVE 8: Update IC decision-making and membership procedures*

*OBJECTIVE 9: Establish a Science Committee*

*OBJECTIVE 10: With Friends of the Estuary, establish a Public Outreach Committee*

*OBJECTIVE 11: Establish a Project Review Committee*

*OBJECTIVE 12: Assess SFEP staff and organizational capacity, and adjust as needed*

*OBJECTIVE 13: Use interagency staff partnerships to enhance SFEP staff*

## GOAL 3: INCREASE FUNDING AND RESOURCES TO SUPPORT SFEP AND ITS PARTNERS TO IMPLEMENT THE COMPREHENSIVE PLAN

*A significant source of increased funding for the SFEP in coming years is expected to come from public sources. By expanding our partnership with elected officials, the Partnership can significantly increase its ability to attract public funds in the future.*

*OBJECTIVE 14: Continue to compete for state and federal grants*

*OBJECTIVE 15: Continue to support and build new relationships*

*OBJECTIVE 16: Staff and support the efforts of the new Bay Restoration Authority*

*OBJECTIVE 17: Actively seek additional funding from philanthropic organizations*

*OBJECTIVE 18: Expand collaboration with cities, counties, and special districts*

*OBJECTIVE 19: Provide local government partners with technical assistance*

See [Attachment 1](#) for status of Strategic Plan Implementation.

## 2012-2013 WORKPLAN ELEMENTS: IMPLEMENTING THE STRATEGIC PLAN

SFEP's current workplan continues implementation of the Strategic Plan Goals adopted in 2009. In 2010, in accordance with Goal 2 (calling for SFEP staff review and realignment) SFEP staff organized into 4 working teams: Administration, Land Use/Watersheds, Water Quality, and Communication. This workplan reflects that organization.

### I. ADMINISTRATION

In FY 2012-2013 the administrative team will continue to improve the effectiveness of the Partnership's management activities and implement the objectives of **Strategic Plan Goals 2 and 3**.

<b>Objectives:</b> <ul style="list-style-type: none"> <li>• Continue to improve overall SFEP program management</li> <li>• Expand and improve SFEP committee structure and support</li> <li>• Expand funding sources for Partnership implementation efforts</li> </ul> <b>Measures of Success:</b> <ul style="list-style-type: none"> <li>• Streamlined grants administration</li> <li>• Add two new funding sources (i.e., grant or contract providers) to SFEP's suite of funding partners</li> </ul>			
<b>I.A. Ongoing and Completed Administrative Activities</b>			
Action	Activities	Timeline	Resources
I.A.1 Provide overall SFEP program management; contracting, budgets, personnel, scheduling, tracking, reporting, and support to subrecipients and subcontractors, etc.	Actively manage SFEP's 40 grants and contracts	Continuous	§320 funding  Appropriate grants and contracts
I.A.2. Provide meeting support for the Steering Committee, Implementation Committee and Executive Council	Schedule meetings of Steering Committee as needed	Continuous	SFEI/ consultant support, §320 funding
I.A.3. Report to EPA on habitat restoration and fund leveraging	Prepare annual report	Quarter 4	§320 funding
<b>I.B New Initiatives for 2012 - 2013</b>			
I.B.1. Complete support for the Science Committee.	Define needed support; execute agreement; establish roles and responsibilities.	Quarter 2	§320 funding
I.B.2 Continue to improve coordination for IC meetings.	Ensure all materials posted; coordinate logistics.	Quarter 1	§320 funding

Action	Activities	Timeline	Resources
I.B.3 Complete analysis and summary of CCMP implementation efforts 1993-2008.	Using the existing database created in 2009, summarize the implementation efforts; document online and with GIS.	Quarter 2	Consultant support <i>§320 funding</i>

## II. LAND USE AND WATERSHED IMPROVEMENTS

The Land Use and Watershed team will continue to implement **Strategic Plan Goal 1, Objectives 1 and 2.**

### Program Areas

- A. General Project Management and Implementation
- B. Creek and Wetland Conservation and Restoration
- C. Green Streets/Low Impact Development
- D. Invasive Species
- E. Regional Sediment Management Planning

### II. A. General Work

<p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Continue to assess and prioritize ongoing projects</li> <li>• Expand skill set of team</li> <li>• Integrate outreach into all projects.</li> </ul> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>• 40 percent of SFEP projects reviewed as to their environmental efficacy and resource efficiency; reports complete on lessons learned.</li> <li>• One training completed by each team member, results shared with team.</li> <li>• Outreach materials developed for at least 60 percent of projects</li> </ul>			
Action	Activities	Timeline	Resources
II.A.1. Evaluate ongoing projects in all three program areas (B-D above).	Prioritize projects to be evaluated Assess pros and cons Identify lessons learned	Continuous	<i>§320 funding</i>
II.A.2. Develop staff and partner skills in all three program areas.	Identify training opportunities	Continuous	<i>§320 funding</i>
II.A.3. Develop outreach opportunities on projects in all three program areas.	Identify outreach opportunities Implement outreach	Continuous	<i>§320 funding and appropriate grant funds</i>

## II. B. Creek and Wetland Conservation and Restoration

<p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Integrate projects within key watersheds, from headwaters to tidal waters</li> <li>• Increase the health and resilience of watersheds</li> <li>• Increase active partnerships in the region to improve water quality and habitat health</li> <li>• Promote healthy wetlands, streams, and watersheds by fostering collaboration among agency and NGO partners working within key watersheds</li> </ul> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>• 200 volunteers working to restore wetland habitat</li> <li>• Planting of 5,000 plants in wetlands or riparian areas such as Bahia Marsh</li> <li>• 20 additional farms implementing fish friendly farming techniques</li> <li>• Report on wetland function-related beneficial uses for State Water Board Wetland Area Protection Policy</li> <li>• Draft report on watershed approach implementation for State Water Board Wetland Area Protection Policy</li> </ul>			
<p><b>II.B.1 Manage and Implement Current SFEP-led Projects</b></p>			
Action	Activities	Timeline	Resources
II. B.1.a. Implement a Watershed Program	<p>This new SFEP program will:</p> <ul style="list-style-type: none"> <li>• Assist IRWMP outreach to Disadvantaged Communities watershed groups, the Bay Area Watershed Network and its working groups</li> <li>• Develop online and printed informational resources as needed</li> <li>• Track and report on diverse community-based approaches to watershed</li> <li>• Track and report on types of monitoring approaches being used to document watershed health</li> </ul>	Continuous	<p>Integrated Regional Water Management Plan Implementation Grant</p> <p><i>§320 funding</i></p>
II.B.1.b. Provide Regional Board Stream and Wetland Protection amendments for SF Bay and North Coast Water Quality Control Plans (Basin Plans)	<p>Lead Regional Board development and adoption of Stream and Wetland Protection Basin Plan amendments, and subsequent State Water Board and EPA approval</p>	Continuous	EPA grant funds
II.B.1.c. Statewide Wetland Area Protection Policy.	<p>Continue coordination between State and Regional Board efforts; provide technical support to State Board on key Policy elements</p>	Continuous	EPA grant funds

Action	Activities	Timeline	Resources
II.B.1.d. Statewide Wetland Beneficial Uses.	Develop statewide beneficial use definitions, programmatic guidance for adoption into Regional Water Board Basin Plans, and crosswalk with statewide wetland classification system	Continuous	EPA grant funds
II.B.1.e. Watershed approach implementation.	Develop draft report on incorporating watershed approach in Water Board regulatory programs, including strategies to incentivize and operationalize watershed approach at the local level.	Continuous	EPA grant funds (additional funding may be required)
II.B.1.f. Support the SF Bay Restoration Authority.	Provide ongoing administrative and staff support to the Board of the Restoration Authority as it carries out its mission to find local funding for regional wetland restoration.	Continuous	\$320 funding
<b>II.B.2 Manage and Assist Current Partner-led Implementation Efforts</b>			
II.B.2.a. Projects <ul style="list-style-type: none"> <li>• Bahia Restoration</li> <li>• Chelsea Wetland Restoration Project</li> <li>• Creek Design Curves</li> <li>• Lower Corte Madera Creek Wetlands Adaptation</li> <li>• Pinole Creek Restoration</li> <li>• Stonybrook Creek Bank Stabilization</li> <li>• San Francisco Bay Living Shorelines</li> <li>• Subtidal Habitat Goals Implementation</li> <li>• Stream Management for Landowners</li> <li>• Watershed Scale Map Tools and Shoreline Change Study</li> <li>• Yosemite Slough Wetlands Restoration</li> </ul>	<ul style="list-style-type: none"> <li>• Submit quarterly reports</li> <li>• Perform site visits</li> <li>• Provide administrative support and management for SFEI monitoring efforts</li> <li>• Coordinate sub-recipient activities</li> <li>• Manage contracts for implementation of project-specific actions</li> <li>• Prepare progress and final reports</li> </ul>	Continuous	Appropriate grants San Francisco Bay Water Quality Improvement Fund EPA Wetlands Integrated Regional Water Management Plan (IRWMP) implementation grant

<p>Projects, cont'd</p> <ul style="list-style-type: none"> <li>• Stream Restoration with schools in Disadvantaged Communities of the North Bay (STRAW)</li> <li>• Bay Point Stormwater and Flood Reduction Strategies Pilot Project</li> <li>• Richmond Shoreline and San Pablo Flood Project</li> <li>• San Francisquito Watershed Design Curves</li> <li>• Pescadero Integrated Flood Reduction and Habitat Enhancement Project</li> <li>• SFEI Flood Infrastructure Mapping &amp; Communication Tool</li> </ul>			
<b>II.B.3 Potential New Initiatives</b>			
<b>Action</b>	<b>Activities</b>	<b>Timeline</b>	<b>Resources</b>
<p>II.B.2.a. Evaluate creek mouth restoration projects</p>	<ul style="list-style-type: none"> <li>• Identify and secure funding</li> <li>• Complete regional assessment of creek mouth restoration opportunities</li> <li>• Identify potential partners and projects</li> <li>• Further develop and refine projects</li> </ul>		<p><i>§320 funding</i> IRWMP implementation grant</p>
<p>II.B.3.b. Augment Yosemite Slough restoration efforts.</p>	<ul style="list-style-type: none"> <li>• Coordinate with State Parks Foundation</li> <li>• Identify how SFEP can contribute – potentially assist with grant applications and communication and monitoring needs</li> <li>• Identify funding needs and secure funding for second phase of restoration</li> </ul>	<p>Dependent on funding</p>	<p><i>§320 funding</i> Plus new funding</p>

Action	Activities	Timeline	Resources
II.B.3.c. Augment Stonybrook Creek fish passage and fluvial geomorphology restoration	Coordinate with the Alameda County Public Works Agency to identify and secure funding.	Dependent on funding	<i>§320 funding</i> Plus new funding
II.B.3.d. Augment Pinole Creek/Chelsea Wetlands.	<ul style="list-style-type: none"> <li>Identify additional restoration projects in the Pinole Creek/Chelsea Wetlands watershed</li> <li>Identify and secure funding</li> </ul>	Dependent on funding	<i>§320 funding</i> Plus new funding
II.B.3.e. Develop and implement training program for Water Board regions, re: implementation of the State Board's Wetland Area Protection Policy	Identify and secure funding to develop training materials and technical support documents to implement the State Water Board Wetland Area Protection Policy at the regional level.	Dependent on new funding	Needs funding
II.B.3.f. Promote stream and wetland protection policies to local government	Identify and secure funding to develop local implementation tools such as stream protection ordinances and general plan language to foster stream protection at the local level	Dependent on new funding	Needs funding
II.B.3.g. Develop general Waste Discharge Requirements for specific activities related to State and Regional Water Board wetland protection policies.	Identify and secure funding to develop draft general WDR templates for restoration projects and grazing activities.  Templates may include draft general WDRs, preliminary CEQA analysis, and/or other supporting documents.	Dependent on new funding	Needs funding

## II.C. Green Infrastructure/Low Impact Development

<p><b>Objective:</b> Develop and implement well-designed and effective green infrastructure projects to reduce stormwater pollution throughout the region</p> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>Sponsor three tours for municipal employees/elected officials to promote the benefits of green infrastructure – highlighting our LID efforts.</li> <li>Hold an ABAG-sponsored event for local governments on ways to overcome barriers and implement green infrastructure projects.</li> </ul>
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<b>II.C.1. Manage and Implement Current SFEP-led Implementation Efforts</b>			
<b>Action</b>	<b>Activities</b>	<b>Timeline</b>	<b>Resources</b>
II.C.1.a. Design and implement the San Pablo Avenue Green Stormwater Spine	Hire designer, work with cities, begin construction of spine, and conduct outreach.	Continuous	IRWMP implementation grant SF BayWater Quality Improvement Fund (EPA) Caltrans Cities
II.C.1.b. Continue to staff LID Leadership Group	Continue to work with and enhance support for the SFEP/ABAG LID (low impact development) Leadership Group.	Continuous	IRWMP Planning Grant
II.C.1.c. IRWMP planning to facilitate green infrastructure (and multi-benefit project) implementation	Work with the newly created IRWMP subregions and continue to identify ways to increase green infrastructure implementation	Continuous	IRWMP Planning Grant
II.C.1.d. Green infrastructure outreach	<ul style="list-style-type: none"> <li>• Organize/host green infrastructure tracks at conferences</li> <li>• Collaborate with the California Stormwater Quality Association on updates to LID handbook</li> <li>• Review, compile, organize specs/BMPs to make green infrastructure projects easier to bring on line</li> <li>• Tie in with Bay Friendly Stakeholder Process</li> </ul>	Continuous	<i>§320 funding</i> Green Infill Funding IRWMP implementation grant
II.C.1.e. Green infrastructure decision-making tool	With LID Leadership Group members, develop tools to assist local governments to decide which environmental solution (green infrastructure, trash capture device...) works best under which situations/conditions.	Continuous	<i>§320 funding</i> IRWMP implementation grant
II.C.1.f. Green infrastructure capacity-building.	Assist local governments with strategizing how to partner and fund green infrastructure projects.	Continuous	IRWMP implementation grant



Action	Activities	Timeline	Resources
II.C.1.g. Update green infrastructure web tools	Add green infrastructure materials to SFEP website; include recent monitoring and evaluation results from current projects.	Continuous	§320 funding
<b>II.C.2. Manage and Assist Current Partner-led Implementation Efforts</b>			
II.C.2.a Projects: <ul style="list-style-type: none"> <li>• City of San Francisco Bayview Model Block Greening</li> <li>• City of El Cerrito Green Streets</li> <li>• City of Fremont Tree Well Filter Monitoring</li> <li>• City of Campbell Hacienda Green Street</li> </ul>	<ul style="list-style-type: none"> <li>• Quarterly reports</li> <li>• Site visits</li> <li>• Support and oversee San Francisco Estuary Institute monitoring efforts</li> <li>• Manage subrecipients' project implementation contracts</li> <li>• Publicize projects</li> <li>• Hold tours and forums</li> <li>• Prepare final report</li> </ul>	Continuous	SF BayWater Quality Improvement Fund (EPA) IRMWP implementation grant
<b>II.C.3 Potential New Initiatives</b>			
II.c.3.a. Develop homeowners' or municipal building rain garden program	Develop contest and pilot program for homeowners (4 in 2 counties) to implement rain gardens	Dependent on staffing availability	§320 funding
II.C.3.b Develop cost/benefit analysis for green infrastructure projects in Bay Area.	Find and secure funding to hire environmental economist to conduct cost/benefit analysis of regional green infrastructure projects.	Dependent on availability of staffing, funding	§320 funding New funding
II.C.3.c Bay Trail Greening Plan	With Bay Trail staff (Association of Bay Area Governments), Bay Friendly Landscaping (Stopwaste.org), Bay Conservation and Development Commission, develop schematics to implement Green Infrastructure solutions around the Bay Trail	Dependent on availability of staffing, funding	If funded by Strategic Growth Council [request pending]

## II.D. Aquatic Invasive Species

<p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Assist implementation of the California Aquatic Invasive Species Management Plan, and support regional and national Task Forces</li> <li>• Work with partners to develop policies and to identify, fund, and implement high priority action items</li> <li>• Collaborate with agency and NGO partners on prevention and early detection programs</li> </ul> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>• Two policies and/or strategic plans developed</li> <li>• Two projects directed towards high-priority action items</li> <li>• Facilitate/distribute three different aquatic invasive species awareness, early detection and prevention brochures</li> <li>• Formation of rapid response panel</li> </ul>			
<p><b>II.D.1. Manage and Implement Current SFEP-led Projects</b></p>			
Action	Activities	Timeline	Resources
<p>II.D.1.a:</p> <ul style="list-style-type: none"> <li>• National Aquatic Nuisance Species Task Force</li> <li>• Western Regional Panel on Aquatic Nuisance Sp.</li> <li>• California Invasive Species Advisory Committee</li> <li>• The Marine Invasive Species Program's Tech. Advisory Com</li> <li>• Quagga-Zebra Mussel Action Plan Team</li> </ul>	<p>Provide continued staff support to panels and programs.</p>	<p>Continuous</p>	<p><i>§320 funding</i> U.S. Fish &amp; Wildlife Service funding</p>
<p><b>II.D.2. New Program Efforts</b></p>			
<p>II.D.2.a. Strengthen SFEP's partnership with the Bay Area Early Detection Network</p>	<ul style="list-style-type: none"> <li>• Explore program expansion to more wetland and aquatic species</li> </ul>	<p>Continuous through Quarter 2</p>	<p><i>§320 funding</i> New funds</p>
<p>II.D.2.b. Expand aquatic invasive species outreach to recreational boaters and the America's Cup attendees</p>	<ul style="list-style-type: none"> <li>• Identify partners</li> <li>• Develop program</li> <li>• Identify resources</li> </ul>	<p>Continuous through Quarter 2</p>	<p><i>§320 funding</i> New funds</p>

## II.E. Regional Sediment Management Planning

<p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Initiate Regional Sediment Management Plan effort for the Bay Area’s Pacific coast, working closely with funders and lead partners including the California Natural Resources Agency, Department of Boating and Waterways, and U.S. Army Corps of Engineers</li> <li>• Work with stakeholders and consultant to develop a plan to restore and maintain coastal beaches and other critical areas of sediment deficit</li> <li>• Coordinate with current Regional Sediment Management Planning efforts conducted in-Bay by the Bay Conservation and Development Commission (BCDC), and the Ocean Beach Master Plan process being conducted by the San Francisco Planning and Urban Research Association (SPUR).</li> </ul> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>• Initiate and facilitate outreach meetings (ongoing effort to be completed FY 13)</li> <li>• Initiate regional agency governance structure explorations and potential plan adoption by a local/regional entity (ongoing effort to be completed FY 13)</li> <li>• Initiate local/regional agency funding strategies (ongoing effort to be completed FY 13)</li> </ul>			
<p><b>II.E.1. Manage and Implement Current SFEP-led Projects</b></p>			
Action	Activities	Timeline	Resources
II.E.1.a. Regional Sediment Management Plan (RSM)	<ul style="list-style-type: none"> <li>• Research funding strategies</li> <li>• Coordinate with consultant drafting the RSM plan</li> <li>• Lead stakeholder outreach</li> <li>• Develop governance structure</li> <li>• Explore home agency for RSM</li> </ul>	Continuous	California Natural Resources Agency contract

## III. WATER QUALITY/WATER USE

The water quality/water use team will continue to support ongoing projects such as the Bay Area-wide Trash Capture Demonstration Project, and implementation of the Urban Creeks Toxicity/Pesticides TMDL, while developing and engaging in additional efforts to implement **Strategic Plan Goal 1, Objective 3.**

<p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Implement the Clean Water Act by supporting TMDL development and implementation across the region</li> <li>• Expand existing SFEP programs and projects to focus on water quality improvements and education and information development for new audiences</li> <li>• Strengthen partnerships; coordinate with other agencies and their programs</li> <li>• Capitalize on ABAG’s resources, and collaborate with ABAG staff in delivering water quality improvement information for local governments</li> </ul> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>• Report on TMDL implementation projects</li> <li>• 100 attendees at regional TMDL workshops</li> <li>• Installation of trash capture devices in all project partner cities by construction deadline, Nov. 1, 2012</li> </ul>
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<ul style="list-style-type: none"> <li>• Complete two sediment erosion control projects in the region</li> <li>• Two presentations about SEPs to interested groups</li> <li>• Reduction in Bay Area pyrethroid use by 500 pounds of active ingredient (measured since beginning of UP3 activities)</li> <li>• Complete remedial action plan for Senador Mine</li> </ul>			
<b>III. A. Manage and Implement Current SFEP-led Projects</b>			
Actions	Activities	Timeline	Resources
III.A.1. Support Bay Area municipalities' efforts to reduce trash in local creeks and the Bay	Support Bay Area-wide Trash Capture Demonstration Project <ul style="list-style-type: none"> <li>• Work with cities to coordinate installation of devices</li> <li>• Refine web-based reporting of installation and maintenance data</li> <li>• Prepare final project report (by November 2013)</li> </ul> Pursue opportunities to apply for additional funding for device installation and trash monitoring	Continuous	SWRCB CWSRF funding (ARRA; Coastal Nonpoint Source Program) <i>§320 funding</i>
III.A.2. Implement Urban Creeks Toxicity/Pesticides TMDL, (includes Taking Action for Clean Water-UP3 grant activities, including EcoWise, which is no longer grant-funded).	<ul style="list-style-type: none"> <li>• Complete monthly/quarterly/semi-annual progress reports</li> <li>• Manage subcontractors</li> <li>• Review and support specific project actions</li> <li>• Process invoices and billings</li> <li>• Contract for consultant support</li> <li>• Produce effectiveness evaluation, final project reports</li> <li>• Coordinate with BASMAA and other regional efforts</li> </ul>	Quarter 1	SWRCB CWSRF funding (ARRA)
III.A.3. Implement SF Bay PCBs TMDL, via PCBs in Caulk Project (Taking Action for Clean Water grant activities).	<ul style="list-style-type: none"> <li>• Complete monthly/quarterly progress reports</li> <li>• Support contracting</li> <li>• Manage subcontractors</li> <li>• Perform site visits</li> <li>• Review and support specific project actions</li> <li>• Process invoices and billings</li> <li>• Produce effectiveness evaluation and final project reports</li> </ul>	Quarter 1	SWRCB CWSRF funding (ARRA)

Actions	Activities	Timeline	Resources
<p>III.A.4. Support TMDL development statewide and work on projects intended to increase rate of 303(d) de-listings.</p>	<ul style="list-style-type: none"> <li>• Support TMDL Roundtable</li> <li>• Assist State Board and regions with stakeholder plans and meetings for TMDL projects</li> <li>• Assist with CEQA analyses of TMDL projects</li> <li>• Coordinate multi-region TMDL projects</li> <li>• Advise TMDL staff on websites, outreach, etc.</li> <li>• Maintain TMDL intranet (internal to Water Boards)</li> <li>• Other tasks as requested</li> </ul>	<p>Continuous</p>	<p>SWRCB contract</p>
<p>III.A.6. Coordinate Supplemental Environmental Projects (Water quality implementation projects)</p>	<ul style="list-style-type: none"> <li>• Provide project oversight</li> <li>• Coordinate with Water Board staff</li> <li>• Maintain lists of potential and completed projects</li> <li>• Provide project selection assistance to dischargers</li> <li>• Establish guidance for adding new potential projects to list</li> <li>• Outreach to potential project proponents</li> <li>• Develop GIS map of past, present, and future projects</li> </ul>	<p>Continuous</p>	<p>SF Bay Regional Water Board Administrative Civil Liability actions</p>
<p>III.A.7. Implement boater education program under the Clean Vessel Act: Increase pump-out usage and awareness among boating community</p>	<ul style="list-style-type: none"> <li>• Produce and distribute pump-out maps and other outreach materials</li> <li>• Produce and distribute video podcasts about the boating project</li> <li>• Survey and report on condition and use of current pump-outs in the Bay-Delta region.</li> </ul>	<p>Continuous</p>	<p>State Dept. of Boating and Waterways Grant</p>

Actions	Activities	Timeline	Resources
III.A.8. Implement SF Bay Region Urban Creeks Pesticide TMDL via “Got Ants?” outreach to reduce household pesticide use	Develop easy-to-use information on less-toxic ant solutions and promote through high-profile social marketing campaign: <ul style="list-style-type: none"> <li>• Convene management team</li> <li>• Research audience and barriers, select targeted behavior change</li> <li>• Develop workplan for media and in-person outreach efforts</li> <li>• Coordinate with outreach consultants to develop core messages, print and web pieces</li> <li>• Pilot and refine outreach pieces</li> </ul>	Continuous	California Department of Pesticide Regulation PMAG grant
<b>III. B. Manage and Assist Current Partner-led Sediment TMDL Implementation Efforts</b>			
III.B.1 Projects: <ul style="list-style-type: none"> <li>• Sediment reduction in San Geronimo Creek watershed</li> <li>• Richardson Bay Pathogen TMDL Implementation</li> <li>• Implement Sediment TMDLs in Marin, Napa, and Sonoma Counties</li> <li>• Implement Pathogen TMDLs in Napa and Sonoma Counties</li> <li>• North Richmond Stormwater Diversion Project</li> <li>• Hicks Flat Mercury Waste Erosion Control Project (Guadalupe R. watershed mercury TMDL)</li> <li>• Senador Mine Mercury Waste Remediation (Guadalupe R. watershed mercury TMDL)</li> </ul>	<ul style="list-style-type: none"> <li>• Complete monthly/quarterly/semi-annual progress reports</li> <li>• Manage subcontracts/ sub-recipients</li> <li>• Perform site visits</li> <li>• Review and manage specific project actions</li> <li>• Process invoices and billings</li> <li>• Provide contracting support</li> <li>• Produce final project reports</li> </ul>	Continuous	SF Bay Water Quality Improvement Fund (EPA) 319(h) funding ARRA forgivable loan (SRF)

<b>III. C. Potential New Initiatives</b>			
<b>Actions</b>	<b>Activities</b>	<b>Timeline</b>	<b>Resources</b>
III.C.1. Increase adoption of integrated pest management (IPM) by commercial building owners and managers.	Explore outreach, training, and incentive program for facilities managers to adopt IPM.	Dependent on new funding	Seek new funding through EPA PRIA, USDA
III.C.2. Expand Focus of Clean Boating Program.	<ul style="list-style-type: none"> <li>• Research and work with partners</li> <li>• Determine which areas are not being addressed adequately and where SFEP can contribute.</li> <li>• Examples: Anti-fouling paints, chemical use in boating, invasive species, oil and fuel disposal, trash, greywater.</li> <li>• Research funding sources.</li> </ul>	Dependent on staff availability and new funding/partnerships	DBW or DPH/EPA or others Partnership with SFEI or educational institutions
III.C.3. Coordinate Guadalupe Hg TMDL implementation - Los Alamitos Creek Reach.	<ul style="list-style-type: none"> <li>• Attend pre-planning meetings with EPA and others</li> <li>• Identify how SFEP can contribute; assist with grant applications and other communications.</li> </ul>	Dependent on new funding	New funding
III.C.4. Provide public education about Bay-Delta water supply issues.	Track & publicize key info and milestones related to SWRCB flow criteria, Bay Delta Conservation Plan, Delta Plan, and EPA ANPR.	Dependent on staff availability	<i>§320 funding</i>
III.C.5. Promote water conservation from a range of sectors.	Identify and publicize successful agricultural water reduction/efficiency programs such as Fish Friendly Farming program in Napa County Promote water-neutral development; reducing both individual and community water use.	Depending on staff availability and new funding	New funding: Agricultural Water Enhancement Program (AWEP) (NRCS)
III.C.6. Promote use of alternative water sources.	Research and promote alternate water sources such as gray water, rain barrels, etc.	Dependent on new funding	Needs funding

## IV. COMMUNICATIONS

Outreach and education are foundational to SFEP’s mission and goals, and nearly all of our projects. In 2012-2013 SFEP will continue our efforts to encourage public involvement in our initiatives, and create and implement additional efforts related to **Strategic Plan Goal 1, Objective 4**, “Champion the Estuary.”

Staffing changes have provided an opportunity to develop and begin to implement a new strategic communications plan for the Partnership, specifically addressing a range of audiences and including Implementation Committee partners and Friends of the Estuary.

Note that previous sections of this workplan highlight our project-specific outreach efforts.

<p><b>Objective:</b> Develop, adopt, and implement a strategic communications plan for SFEP. At a minimum, the plan will address:</p> <ul style="list-style-type: none"> <li>• Identification and development of effective outreach mechanisms tailored to key SFEP audiences</li> <li>• Refreshing the website on a regular basis</li> <li>• Review of the distribution strategy for Estuary News and recommendations for increasing readership</li> </ul> <p><b>Measures of Success:</b></p> <ul style="list-style-type: none"> <li>• Completion of the strategic communications plan</li> <li>• Redesign of website home page and other key pages</li> <li>• Distribution of 20,000 copies of SFEP publications</li> <li>• 1,500 attendees at forums, on tours, and at conferences</li> <li>• 30% increase in web hits for podcasts and web pages over prior year</li> <li>• 6 presentations to Executive Board and other ABAG committees or local entities on SFEP projects and opportunities</li> </ul>			
<p><b>IV.A Manage and Implement Current SFEP Efforts</b></p>			
Actions	Activities	Timeline	Resources
IV.A.1. Complete and implement new strategic communications plan for SFEP	<ul style="list-style-type: none"> <li>• Update and upgrade SFEP website</li> <li>• Tailor outreach to specific key audiences</li> <li>• Leverage information from SOE, Estuary News, etc. for increased outreach and awareness</li> </ul>	Continuous	<i>§320 funding</i>
IV.A.2. Support SFEP projects with enhanced GIS capability	Develop GIS mapping for key Partnership projects and efforts	Continuous	<i>§320 funding</i> Grant funds when appropriate
IV.A.3. Produce print media promoting the Partnership’s projects and programs, building public support for a healthy estuary	<ul style="list-style-type: none"> <li>• <i>ESTUARY NEWS</i></li> <li>• Columns in Service Matters (ABAG newsletter)</li> <li>• Green Streets 2013 calendar</li> </ul>	Continuous	<i>§320 funding</i> Appropriate grant funds and subscriptions



Actions	Activities	Timeline	Resources
IV.A.4. Produce project-specific podcasts and public service announcements	Topics may include : <ul style="list-style-type: none"> <li>• Mercury mine cleanup (Senador) and mercury research by SFEI</li> <li>• Eradication of <i>spartina alterniflora</i></li> <li>• Fish-friendly car washing</li> <li>• BayView Model Block</li> <li>• Trash</li> </ul>	Continuous	§320 funding Appropriate grant funds
IV.A.5. Use online/social media	Continue to support: <ul style="list-style-type: none"> <li>• SFEP <a href="#">Website</a></li> <li>• <a href="#">Estuary Report</a> video podcasts</li> <li>• <a href="#">SFEP Facebook page</a></li> </ul>	Continuous	§320 funding Appropriate grant funds
IV.A.6. Commemorate significant dates by highlighting Partnership work	<ul style="list-style-type: none"> <li>• Earth Day event</li> <li>• National Estuaries Day event</li> </ul>	Quarters 3 & 4	§320 funding Appropriate grant funds
IV.A.7. Conduct forums, workshops, tours, presentations and conferences	<ul style="list-style-type: none"> <li>• Conduct subregional conferences for local government officials and staff to disseminate the results of green stormwater demonstration projects</li> <li>• Conduct media event/tour of completed projects to highlight project environmental effectiveness.</li> </ul>	Continuous	§320 funding Appropriate grant funds
IV.A.8. Support/coordinate a new regional effort to create and launch a bay-wide social marketing effort.	Working with partners: <ul style="list-style-type: none"> <li>• Develop new regional brand or slogan related to San Francisco Bay that appeals to a diverse audience and creates a connection with the Estuary. Build upon that brand with pollution prevention behavior change campaigns with the help of an eco-net or watershed network.</li> <li>• Reduce urban use of pesticides and promote LID by connecting with new regional social marketing campaign.</li> </ul>	Continuous	§320 funding Appropriate grant funds

Action	Activities	Timeline	Resources
IV.A.9. Increase outreach efforts through ABAG.	Continue green infrastructure leadership group; sponsor workshops.	Continuous	\$320 funding Appropriate grant funds
IV.A.10. Implement boater education program under the Clean Vessel Act (Increase pump-out usage and awareness among boating community).	<ul style="list-style-type: none"> <li>Produce and distribute pump-out maps and other outreach materials</li> </ul>	Continuous	State Dept. of Boating and Waterways Grant
IV.A.11. "Got Ants?" outreach to reduce household pesticide use (Implementation of SF Region Urban Creeks Pesticide TMDL).	<p>Develop easy-to-use information on less-toxic ant solutions and promote through high-profile social marketing campaign:</p> <ul style="list-style-type: none"> <li>Coordinate with outreach consultants to develop core messages, print and web pieces</li> <li>Pilot outreach pieces and refine them</li> </ul>	Continuous	California Department of Pesticide Regulation PMAG grant
<b>IV. B. Potential New Initiatives</b>			
IV.B.1. Expand the Bay Area Trash Tracker to include hotspots and hotspot cleanups; and So. Cal. municipal trash capture efforts	Collaborate with Bay Area Stormwater Management Agencies Association, California Stormwater Quality Association, municipal partners	Dependent on new funds	Proposition 84 application submitted
IV.B.2. Reduce Trash at the Source: bag bans throughout region.	Support Save the Bay's efforts; work with trash project participants.	Continuous	New funds
IV.B.3. Develop Reduce Trash at the Source campaign: Outreach and education about how trash harms water quality (hot spots, ocean).	<p>Phase 1: Provide press releases, media relations support as requested for participating trash project partners. Include messaging about importance of source control (ongoing)</p> <p>Phase 2: product substitution; EPP; packaging reforms; recycling targeted at businesses, schools; promote re-useable containers; work with cities to recycle more types of plastic; establish SFEP website as hub for creek/bay cleanup info.</p>	Dependent on availability of new funds	New grant funding

Action	Activities	Timeline	Resources
IV.B.4. Reduce Trash at the Source: Target significant trash-generating demographic with community-based program	Specific outreach to disadvantaged community audiences: youth, immigrants; target audience advisory group(s), consider use of stipends, jobs program, mini-grants. Partner with cities, Clean Water Action	Dependent on availability of new funds, municipal partners	New grant funding
IV.B.5. Reduce trash at the source: Report card/checklist for Bay Area municipalities.	Recognize municipalities that participate in trash project; educate local folks with schools programs, etc.; provide outreach to businesses re packaging.	Dependent on availability of new funds	New grant funding

# SAN FRANCISCO ESTUARY PARTNERSHIP OVERVIEW

## PROGRAM ORGANIZATION:

Partnership employees are all staff of the [Association of Bay Area Governments \(ABAG\)](#). The [San Francisco Bay Regional Water Quality Control Board](#) is the lead agency for implementing the CCMP and provides office space, equipment, and office overhead costs as state match to the Partnership. ABAG provides management, administrative, and fiscal support. Staff responsibilities are detailed in Attachment 2.

The Partnership's **Executive Council** meets as necessary to provide overall program guidance. Council members include the Executive Director of ABAG; the current U.S. EPA Regional Administrator for Region 9; the Regional Director of the U.S. Fish and Wildlife Service California Nevada Region; the Secretary of California EPA, and the Secretary of the California Resources Agency.

The **Implementation Committee (IC)** serves as the oversight committee for the Partnership, and advises implementation efforts, helps set priorities, and supports work plans and budgets. Members represent local/state/federal agencies, business/industry, and environmental organizations. Current membership of the IC is included as Attachment 3.

As called for in the [Strategic Plan](#), a **Science Advisor has been hired** to provide ongoing advice to the Director.

## KEY IMPLEMENTATION PARTNERS:

**Friends of the San Francisco Estuary** was created in 1991 as a 501(c)(3) organization with an independent Board of Directors. This group is tasked with enhancing public involvement in the regional decision-making processes that affect the natural resources of the Estuary. The Partnership provides limited staff support for Friends' efforts.

**San Francisco Estuary Institute (SFEI)**. A key recommendation of the CCMP in 1991 was to create a regional monitoring and research entity. This was accomplished with the formation of SFEI, a non-profit organization with an independent Board of Directors, which carries out the research and monitoring programs for the Partnership and for many other agencies and projects. . SFEI's work informs the primary issues facing the ecosystem, including water quality monitoring of industrial and municipal discharges, legacy pollutants, non-point source pollution, non-native biological invasions, and watershed and wetlands restoration.

**The Delta Science Program**, a program of the [Delta Stewardship Council](#) and our longtime collaborator, continues to rely on SFEP to administratively support their science boards, technical reviews and advisory panels, peer review, and information synthesis products such as the Biennial Delta Science Conference. While the Delta Science Program's focus is the upper Estuary (the Sacramento-San Joaquin Delta), they have frequently partnered with SFEP, as many of the concerns and challenges of the upper Estuary impact the rest of the Bay system. .

## PROGRAM TRACKING AND REPORTING:

*SFEP manages or supports approximately 50 projects and programs throughout the Estuary region.*

**Biannual Progress Reports** to the EPA Regional Project Officer detail budget information and program progress towards CCMP milestones, targets, and goals.

**The State of the Estuary Conference.** This biannual, multi-day conference examines the ecological status of the estuary and provides opportunities for scientists, decision makers, interest groups, and the public to link SFEP and CCMP implementation activities to other ecosystem management programs and activities. The conference also provides a forum to discuss new research and monitoring data, political and scientific impacts on environmental policy, and priority ecosystem management issues. SFEP produces a summary document on each conference highlighting important findings and issues. **The 2011 conference was held September 19-21 2011.**

**CCMP Compliance Tracking.** SFEP has developed an internal database for information about projects that support progress on all 200+ CCMP implementation actions. Contractors will assist staff in populating a new GIS-based system that will use this database to summarize projects completed by SFEP.

**Tracking Fund Leveraging.** Each year, the Partnership is required to report on two tracking measures for EPA: annual increase in wetland habitats, and the amount of funding leveraged by our EPA Section 320 funding.

## ECOSYSTEM TRACKING: STATUS AND TRENDS:

**State of San Francisco Bay Report 2011** This important new report, released in September 2011 at the State of the Estuary conference, uses newly refined ecological and social indicators to characterize the health of the Bay. This publication will serve as a model for future reports on the ecological condition of the Estuary as a whole.

**Tracking Habitat Changes** SFEP works with its partners, ABAG, the San Francisco Bay Water Board, and SFEI to develop and improve ongoing and improved habitat tracking using a GIS format. The Partnership provides funds to support SFEI's web-based habitat tracking system. This project tracks habitat enhancement and the acquisition, restoration, and enhancement of wetlands and riparian habitat. The information is recorded in the annual Government Performance Requirement Act report prepared by EPA.

**Monitoring and Reporting on the Bay's Health: The Regional Monitoring Program (RMP)** monitors contamination in the Estuary and provides regulators with information necessary for effective water quality management. It is conducted by our partner, SFEI, and funded by Bay Area regulated dischargers (about \$3 million annually). Results are presented at an annual conference and in the Institute's Annual Monitoring Report. SFEI also publishes the annual Pulse of The Estuary; a quarterly newsletter; technical reports that document specific studies and synthesize information from diverse sources; and journal publications that disseminate RMP results to the world's scientific community. The SFEI web site provides access to RMP products and links to other sources of information about water quality in San Francisco Bay.

**Wetlands Monitoring Review** SFEP works with the San Francisco Bay Wetland Regional Monitoring Work Group, which reviews wetland restoration design and monitoring plans for both regulatory and non-regulatory projects and with the San Francisco Joint Venture, which monitors

wetland projects around the region. SFEP is a member of the Joint Venture Board and provides funds to support an intern who assists in wetlands tracking.

## TECHNICAL ASSISTANCE TO SFEP PARTNER AGENCIES

**Technical/Scientific Expert Support for the Delta Science Program.** SFEP assists the Delta Science Program by managing contracts that provide the scientific expertise needed for research, assessment, and monitoring. Supported projects and resources include peer reviews, science panels, scientific workshops, and communication tools. SFEP also assists the Delta Science Program in organizing the biannual, three-day Bay-Delta Science Conference.

**Modeling, Monitoring, and Reporting.** SFEP reports on the progress and outcomes of many of our grant-funded projects based on data collected by our partner, Projects monitored in this way include:

- Shoreline Habitat Restoration (photo documentation and monitoring design of native plant recovery)
- Bahia Restoration and Revegetation (monitoring and design review, and monitoring program implementation support)
- Littorina Eradication Project (develop long-term eradication monitoring program & public outreach success monitoring)
- Protecting instream flows for fish in the North Bay (develop pre- and post-BMP monitoring program to assess flows)
- Senador Mine Erosion Control (reducing mercury concentrations)

**Permit Assistance: Joint Aquatic Resource Permit Application (JARPA) Permit Center.** SFEP and ABAG have worked with Bay Area regulatory agencies to develop a single permit application form and instructions that consolidate federal, state, and local permits for individual and municipal applicants proposing construction, fill placement, public access impingement, and development activities in or near aquatic environments and wetlands. SFEP maintains a website and provides limited assistance to applicants.

**Technical Support for Water Quality Certification and Waste Discharge Requirement Applications (WDRs).** Supporting the Water Board, SFEP staff provides technical support for reviewing and commenting on 401 permit applications and Waste Discharge Requirements. Typical projects include dredge and fill projects, wetland and flood protection projects, and transportation projects. This work is funded by and supports the efforts of the San Francisco Public Utilities Commission, the Santa Clara Valley Water District, Alameda County Clean Water Program, and CalTrans Districts 1 and 4.

**Support for the National and Regional Invasive Species Task Forces and Management Programs.** SFEP assists in implementation of the National Invasive Species Act of 1996 and the [California Aquatic Invasive Species Management Plan](#). SFEP partners and staff serve on the Aquatic Nuisance Species National Task Force, the Western Regional Panel on Aquatic Nuisance Species, the California Invasive Species Advisory Committee, and California Marine Invasive Species Program's Technical Advisory Group. We assist the California State Lands Commission, the San Francisco Bay Water Board, the U.S. Fish and Wildlife Service, California Department of Fish and Game, and others in developing management plans, prioritizing activities, and providing education and outreach to the public and stakeholders about invasive species issues.

**SFEP Work Plan: Attachment 1 :FY 2012-2013 ESTIMATED FUNDING**  
**Federal fiscal year October 1, 2012-September 30, 2013**  
**Note: Budget amounts are estimated allocations of total grant awards projected for receipt during the above fiscal year- Project Descriptions- Attachment #5**

Project	Funder	Project Lead	Federal	Non-Federal
Program Implementation Planning & Administration/ Education & Outreach	US EPA-Section 320 SF Regional Water Board (In-kind office, computers, phones)	SFEP	\$ 597,333	\$ 943,121
1 State of the Estuary Conference	Sponsors/Registrations	SFEP		\$ 43,685
2 Bahia Marsh Restoration	US EPA-SFBWQIF-08	Marin Audubon	\$ 7,074	
3 Bay Area Stream Channel Curves	US EPA-SFBWQIF-08	Waterways Restoration Inst.	\$ 6,179	
4 Bay Area-Wide Trash Capture Project	ARRA-SWRCB SRF	SFEP	\$ 254,673	\$ 25,000
5 Bayview Model Block Project	US EPA-SFBWQIF-08	San Francisco Planning Dept	\$ 31,438	
6 Boater Education Program	Ca Dept Boating & Waterways	SFEP	\$ 36,900	
7 Chelsea Wetlands/Pinole Creek	US EPA-WCEI	Cities of Hercules & Pinole	\$ 57,589	
8 Document,Design, Divert: No Richmond Pilot	US EPA-SFBWQIF-09	Contra Costa County	\$ 234,824	
9 El Cerrito Green Streets	ARRA-SWRCB SRF	City of El Cerrito	\$ 34,020	
10 Estuary 2100 Monitoring	US EPA-SFBWQIF-08	SFEI	\$ 21,863	
11 Estuary 2100 Mgmt/Tech/Outreach	US EPA-SFBWQIF-08	SFEP	\$ 111,182	
13 E2100-2_Mgmt & Technical Assistance	US EPA-SFBWQIF-09	SFEP	\$ 72,152	
14 Fremont Tree Well Filters Pilot Monitoring	US EPA-SFBWQIF-09	SFEI	\$ 63,920	
15 Got Ants? Outreach to Reduce Pesticide Use	Ca Dept of Pesticide Regulation	SFEP		\$ 100,000
16 Hicks Flat Mine Erosion Control	US EPA-319h	MROSD	\$ 87,611	
17 Implementing Sediment & Pathogen TMDLS for Sonoma Creek	US EPA-SFBWQIF-09	Sonoma Ecology Ctr	\$ 72,675	
18 Implementing Sediment & Pathogen TMDLS in Marin County	US EPA-SFBWQIF-09	Marin DPW	\$ 72,675	
19 Implementing Sediment & Pathogen TMDLS in Napa County	US EPA-SFBWQIF-09	Napa RCD	\$ 72,675	
20 Implementing Sediment & Pathogen TMDLS in Southern Sonoma County	US EPA-SFBWQIF-09	So Sonoma RCD	\$ 72,675	
21 Implementing Sediment & Pathogen TMDLS in the North Bay	US EPA-SFBWQIF-09	No Bay Watershed Assn	\$ 72,675	
22 Implementing the FFF Environmental Cert Prg	US EPA-SFBWQIF-09	CA Land Stewardship Inst	\$ 38,875	
23 Innovative Wetland Adaptation- Corte Madera Ck	US EPA-SFBWQIF-08	BCDC	\$ 127,763	
24 IRWM Fish & Productivity Data Analysis	CA Dept of Fish & Game	Wetlands & Water Resources		\$ 199,723
25 IRWMP-DAC Projects	CA DWR			\$ 550,000
26 IRWMP-Plan Update	CA DWR	SFEP		\$ 30,096
27 SF Bay Living Shorelines-Subtidal restoration	US EPA-SFBWQIF-09	Coastal Conservancy	\$ 75,000	
28 SF Bay Regional Branding Communications	Local Agencies	SFEP		\$ 10,000
29 San Pablo Green Stormwater Spine	US EPA- SFBWQIF-10 CalTrans	SFEP	\$ 104,600	\$ 900,000
30	CA DWR_IRWMP-Prop 84			\$ 560,000
31 Senador Mine Erosion Control	US EPA-SFBWQIF-08	Santa Clara Co Parks	\$ 256,404	
32 Stonybrook Ck Bank Stabilization	US EPA-SFBWQIF-08	Alameda Co Flood Control	\$ 49,250	

33	Stream Management Pgrm	US EPA-SFBWQIF-08	Urban Creeks Council	\$	32,456	
34	Stream & Wetland Policy	US EPA-Reg Wetlands Grants Aquatic Science Center	SFEP	\$	15,443	
35	Supplemental Env Projects	Dischargers	SFEP			\$ 31,463
36	TACW-PCBs	ARRA-SWRCB SRF	SFEP	\$	5,000	
37	TACW-Sediment	ARRA-SWRCB SRF	SPAWN	\$	20,000	
38	Science Conference Support	USGS	SFEP	\$	86,235	
39	Statewide TMDL Support	SWRCB	SFEP			\$ 15,820
40	Urban Pollution Prevention Project (UP#)	ARRA-SWRCB SRF	SFEP	\$	5,000	
41	Technical Permitting Support	CalTrans, Santa Clara Valley	SFEP			\$ 618,960
42	Watershed Scale Mapping	US EPA-SFBWQIF-09	SFEI	\$	103,618	
43	Yosemite Slough Restoration	US EPA-SFBWQIF-08	CA State Parks Foundation	\$	65,455	
	TOTAL			\$2,965,232		\$ 4,027,868
	GRAND TOTAL					\$ 6,993,100

Federal-non NEP	\$	2,367,899
State/Local	\$	4,027,868
Total Non-NEP	\$	6,395,767
State/local share		58%
Federal share		42%
NEP share of total		9%
NEP share of federal		20%

FY 2012

SFEP WORK PLAN BUDGET -SECTION 320 FUNDS

Category	Cost
Salary	\$237,114
Fringe	\$150,805
Contractual	\$146,401
Other Direct	\$50,600
Indirect	\$12,413
<b>Total</b>	<b>\$597,333</b>