

SAN FRANCISCO ESTUARY PARTNERSHIP

Implementation Committee Meeting

Wednesday, May 27, 2015, 9:30 a.m. – 12:30 p.m.

1515 Clay Street, 2nd Floor, Room 10, Oakland, CA

AGENDA

- | | | |
|-------|--|----------------------|
| 9:30 | 1. Welcome and Introductions | Amy Hutzel, Chair |
| 9:40 | 2. Public Comments | |
| | Any member of the public may address the IC on any matter regarding implementation of the Comprehensive Conservation and Management Plan. Each speaker will be limited to three minutes. | |
| | Action: Approve March 3, 2015 Meeting Summary (Attachment 1) | Chair |
| 9:45 | 3. Director's Report (Attachment 2) | Judy Kelly, Director |
| 10:00 | 4. Reports on SFEP Activities | |
| | 2015 State of the Estuary Conference planning | Karen McDowell |
| | State of the Estuary Report | Letitia Grenier |
| | 2015-16 Final Work Plan review (Attachment 3) | Judy Kelly |
| | Action: Approve Final Work Plan | |
| | IRWMP update | Jennifer Krebs |
| 11:00 | <i>Break</i> | |
| 11:15 | CCMP Revision new actions briefing (Attachment 4) | Caitlin Sweeney |
| 12:00 | 5. Partner Activities | |
| | ABAG Plan Bay Area – CCMP and Water Integration | Miriam Chion, ABAG |
| 12:20 | 6. Concluding Business | |
| | Review Road Map; add agenda items for future meetings (Attachment 5) | Chair, Judy Kelly |
| | Announcements | |
| 12:30 | Adjourn | |

**San Francisco Estuary Partnership
Implementation Committee Meeting**

March 3, 2015

Elihu M. Harris State Building
Oakland, California

DRAFT MEETING SUMMARY

1. Introductions

Amy Hutzal, Chair, called the meeting to order at 9:40 AM with a round of introductions.

Attendees include:

Bill Brostoff	Josh Collins	Kate Poole
Sam Ziegler	Jessica Martini-Lamb	Tom Mumley
Harry Seraydarian	Barba Salzman	Jessica Davenport
Luisa Valiela	Alyson Aquino	Blake Roberts
Carol Mahoney	Beth Huning	John Andrew
Amy Hutzal	Matt Fabry	
Judy Kelly	Barry Nelson	

2. Public Comments

There were no public comments.

Minutes were approved. Motion to approve by Harry Seraydarian and seconded by Carol Mahoney. No oppositions to approval.

3. Drought Discussion, Wetter or not Recommendations

Barry Nelson, Western Water Strategies

Accessible online at <http://www.sfestuary.org/wp-content/uploads/2014/11/WetterorNot.pdf>

Barry Nelson and Kate Poole of NRCD discussed the recommendations and current status. The IC expressed a desire to hear back from Nelson and the progress made on these recommendations in 9 – 12 months.

4. Directors Report

Judy Kelly

D.C.

The trip to DC was met with a lot of support. Judy met with almost all of the Bay Area delegation. Senator Feinstein is back in action working on a water bill, though only limited details are available. There is a House Republican water bill in development that appears to undermine the goals and objectives of Partnership stakeholders.

Staff

There have been some staff changes at SFEP. Operations are stable and well-funded at this juncture. Judy welcomed Matt Fabry of San Mateo Countywide Water Pollution Prevention Program, the newest IC member.

Funding

The U.S. EPA's San Francisco Bay Water Quality Fund for 2015 is funding two SFEP projects:

- Siting tools for LID developments
- Suisun Marsh TMDL implementation study

The SF Bay Restoration Act has been reintroduced in the House and Senate – although this bill is not likely to pass, this did generate some good press in the Bay Area regarding funding compared to the Great Lakes, Chesapeake Bay, and Puget Sound regions.

ABAG FAN (Finance Authority for Nonprofits) Embezzlement

ABAG is the home entity for SFEP, and an ex-employee of ABAG appears to have embezzled approximately \$1.3 million from funds designated for public improvements in San Francisco that were under the control of ABAG's Finance Authority for Nonprofits Corporation (FAN). ABAG has contracted with an independent auditor to conduct a forensic investigation on FAN, and a State audit is also underway. It should be noted that FAN never had access to SFEP monies. We expect to be audited very intensely this year, but we will weather that storm.

Project Updates

There was a quick update on IRWMP and IC members were asked to direct any questions they may have to Jennifer Krebs or Athena Honore. The San Pablo Avenue Stormwater Spine project is breaking ground soon. Congratulations to Josh and the partner cities for completing the design process.

5. Reports on SFEP Activities

Judy Kelly, Karen McDowell

SOE conference

- The conference is two days this year: Thursday, September 17th and Friday, September 18th, 2015.
- The next conference steering committee meeting will be held April 1.
- A meeting will be held March 26th at the State Coastal Conservancy to gather input on concurrent sessions. These are invited speakers, so if you have an idea or if you would like to participate in its development, contact Karen.
- BCDC is planning a Gala the day before the SOE to celebrate its 50th anniversary.

SOE Report

The report is in the process of being written. There are about nine different parts with their own authors, and all are moving along. Letitia Grenier, the lead author, and Ariel Rubissow Okamoto will work to put it all together and polish the writing. The timing isn't right to give a full update on the process to the IC for this meeting. A very detailed briefing will be held during the next IC meeting.

2015 Workplan Draft

The format remains the same, but there have been some changes. The SOE workplan has been aligned with the SOE report in a way that flows nicely and reflects each other. We have rearranged categories, but the elements remain largely the same.

As for funding in the next year, we are still on very solid financial footing despite some staff reductions.

- \$22,499,606 is our working budget with a leveraging level of 36 to 1.
- The Water Board match (approximately \$700,000) will be added to the budget pie chart.

Comments

- Tom Mumley requested improving the level of detail in which we report the funding in relation to the various CCMP elements.
- Judy Kelly noted that the measure of success and key successes still need some work before the final draft. We are asking for tentative approval now and final approval in May. This is because we are only on month 4 of this year's work plan. We will need a bit more time to see how things go.
 - Barbara Salzman suggested making the measure of success that the action was completed
- Tom Mumley noted his concern with stating that the new CCMP WILL be based on the attributes that are in the old version; some think that those should change.
- There was a discussion about the origin of several identified new actions, which come from robust conversations at the staff level. Judy noted that we are open to suggestions and comments about new initiatives. If there is enough interest, we can discuss this at our next IC meeting.

The IC gave tentative approval. The final workplan will be voted on for final approval next IC meeting.

MRP - Overview of Key Revisions

Tom Mumley

Tom gave an overview of provisions in the draft Municipal Regional Permit for Stormwater; which will be finalized and adopted by the Water Board to replace the current permit and will run for another five year term. The permit covers most of the Bay Area, but smaller, less dense areas and San Francisco are covered under different permits.

Key revisions deal with pollutants of concern and new development and redevelopment. Trash runoff must be reduced by milestones from 60% to 100% over the course of the permit term. PCB load reductions to the Bay should be reduced through green infrastructure projects and potentially by capturing PCBs in caulk at building demolition. The New and Redevelopment section maintains existing LID requirements and seeks to implement LID during other opportunities, such as street repair or renovation, with the goal of no missed implementation opportunities during permit term.

It is expected that the permit will be adopted in September/October of 2015.

Prop 1: Opportunities to fund Estuary-related projects

Harry Seraydarian (North Bay Watershed Association), Beth Huning (SFBJV)

Harry gave a detailed presentation on the specific funding sources available under Prop 1, project guidelines available to date, and then outlined the key opportunities for various project types in the Bay Area.

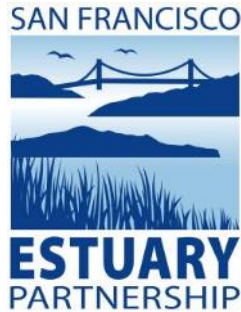
Beth described the Bay Joint Venture's focus around Prop 1, which is to coordinate messaging among Bay Area entities and encourage that the funding criteria enable local projects. They are describing the statewide value of San Francisco Bay efforts, working to designate specific funding levels for our area where they are not already so designated, ensure timely release of funds, etc. They are preparing comment letters to funders with open comment opportunities.

6. Concluding Business

Amy Hutzell, Judy Kelly

The next IC meeting is May 27th. We will review the CCMP progress, the SOE Report, the 2015 SOE conference, and the 2015 Work Plan and will likely include a Plan Bay Area presentation. Other topics and subjects will be listed on the agenda

- Announcements
 - BAWN annual meeting will be March 19th
 - The salmonid restoration conference is next week
 - Montezuma Wetlands project has been operating for years, and is now receiving a lot of public interest
 - Dutch Slough is moving forward. Its EIR is complete and funding is coming together to start construction
 - May 14th Bay Area Open Space Conference



DIRECTOR'S REPORT

May 27, 2015

SFEP Program Management

NEP Program Review

We continue to prepare for our program review by National Estuaries Program EPA staff. We will get our paperwork to EPA this summer, and the site visit will be held during the State of the Estuary Conference. Once the 2015 program review is complete, we will expect another in 2020. We'll bring the review findings to the IC for discussion.

Staff Changes

Paula Trigueros will retire this September. She has already transitioned to part time status and will step out as of September 30. We are grateful for her many, many contributions to the program. We are working to line up replacements for her decades of knowledge and experience in managing grants and contracts – no easy task! We will move Athena Honore to the grants and contracts manager role and add a new position for a contract support position. Recruitment is currently open for the new support position.

ABAG's April General Assembly Focuses on Water Issues

Every year, ABAG holds a General Assembly for its membership of elected officials from the 101 Bay Area cities and counties. This year's focus was Green Streets and Infrastructure Strategies: Sharing Best Practices around Creating Complete Communities, Drought Protection, and Water Management. The event was held April 23 at the Oakland Asian Cultural Center. David Sedlak of U.C. Berkeley provided the keynote speech on envisioning 2050 as "the year we completed our water transformation."



(Posted at http://abag.ca.gov/events/ga/2015/Sedlak_ABAG_2015.pdf). SFEP staff assisted in developing the program, which emphasized opportunities for green infrastructure.



New Funding

EPA awarded \$50,000 to SFEP for a Blue Carbon project to define carbon sequestration specifically in salt pond environments. The project will be conducted by the State Coastal Conservancy under the South Bay Salt Ponds lead John Bourgeois, with assistance from Chapman University scientists.

The Yosemite Slough project in Estuary 2100 Phase II has concluded that it cannot move forward at this time, and is returning the funds in full. We are working with EPA to reprogram those funds.

State of the Estuary Conference Call for Poster Abstracts (by June 12), Award Nominations (by June 30)

Conference organizers are seeking poster abstracts by June 12 (www.sfestuary.org/wp-content/uploads/2015/05/2015SOECallForPosters1.pdf) and award nominations by June 30. This year's conference will be held September 17-18 in Oakland. Full information: <http://www.sfestuary.org/soe/>.

Jean Auer Award nominations are due June 30th. Nominees from the public and private sector are eligible. Individuals should have made a significant contribution toward improving environmental quality in the Bay-Delta Estuary. Nominees working on water-related issues will receive special consideration. Past recipients of the award include:

- Dr. Howard Shellhammer, a longtime champion of the Bay Area's wetland and marsh ecosystems
- Sylvia McLaughlin, co-founder of Save the Bay;
- Carl Wilcox, Bay Delta Regional Manager, California Department of Fish and Wildlife
- Trish Mulvey, citizen activist with the Citizens Committee to Complete the Refuge
- Tom Graff, attorney with Environmental Defense
- Marcia Brockbank, former director of the San Francisco Estuary Project
- Will Travis, former executive director of the San Francisco Bay Conservation and Development Commission.



Friends of the Estuary is also calling for nominations for *Environmental Project Awards* by June 30. These awards are for outstanding environmental projects that benefit the San Francisco Bay-Delta Estuary and its watersheds. There will be four to six awards. Nominated projects must fall into one or more of the project categories in the Estuary Partnership's Comprehensive Conservation and Management Plan, the Bay Area's blueprint for a healthy and resilient Estuary:

- Aquatic Resources
- Wildlife
- Wetlands Management
- Water Use
- Pollution Prevention and Reduction
- Dredging and Waterway Modification
- Land Use and Watershed Management
- Public Involvement and Education
- Research and Monitoring

Project Highlights

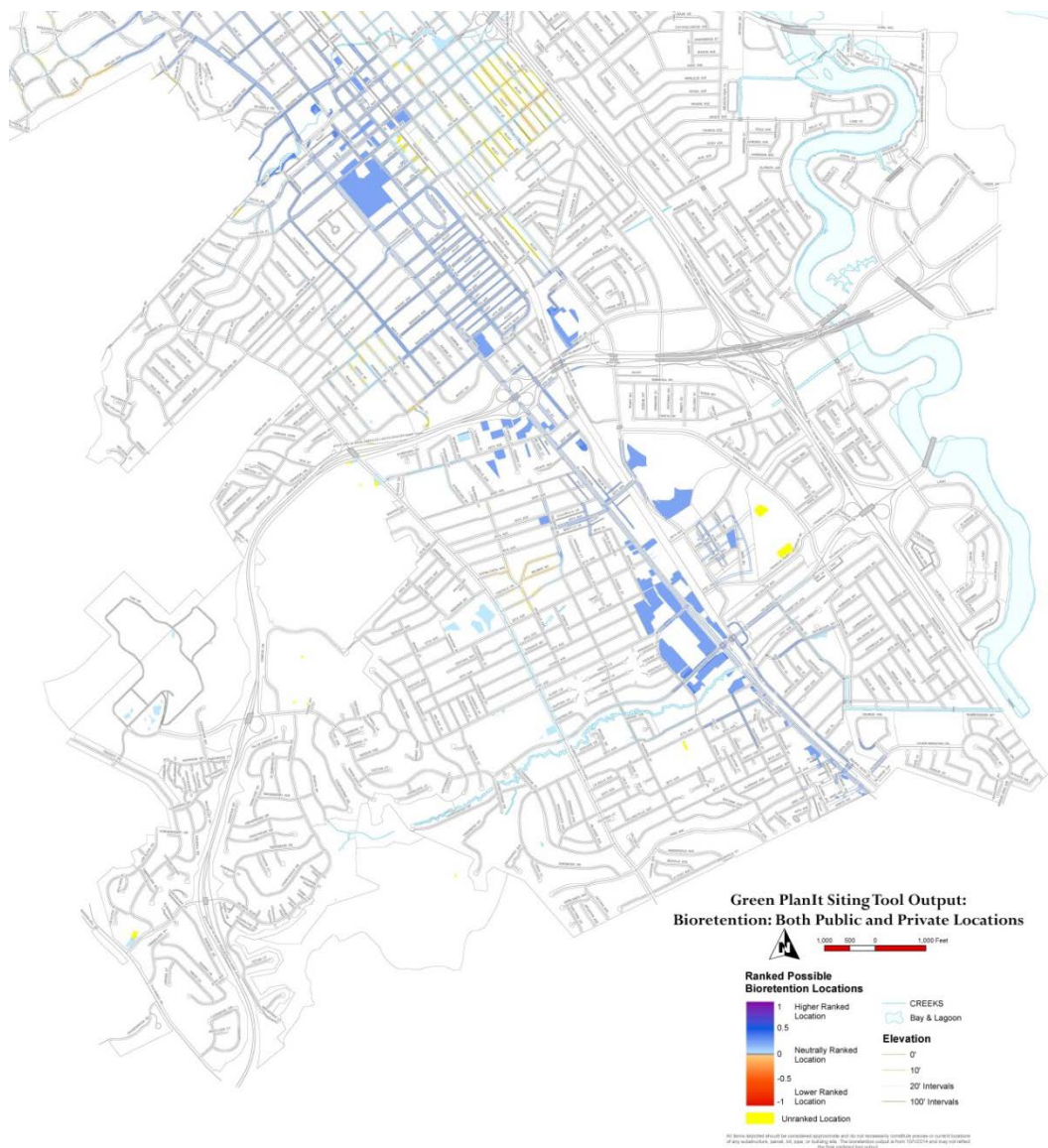
GreenPlan-IT New Efforts

US EPA has awarded SFEP with a SF Bay Water Quality Improvement Fund grant of \$1.73M to further build regional capacity for long-term and effective Green Infrastructure (GI)/Low Impact Development (LID) implementation at a watershed-scale. The **Urban Greening Bay Area** project will be a multi-pronged effort among local, regional, state, and federal partners to address high-priority needs related to GI Planning, Implementation, and Tracking. The **Planning Element** includes: 1) upgrading and enhancing the watershed-based GreenPlan-IT tool (initially developed with Prop 84 funding), 2) integrating GI into local planning efforts in various partnering jurisdictions, and 3) conducting a roundtable process to develop a road map for integrating GI with future climate change and transportation investments in the region. The **Implementation Element** includes: 1) a design contest to develop cost-effective GI designs for typical roadway intersections, with construction of up to three GI projects based on the winning designs, and 2) construction of the Chynoweth Avenue Green Street Project in San Jose. The **Tracking Element** includes

the development and trial of a GIS database and interactive map of constructed GI/LID projects in the region.

To accomplish this complex project, we have a trove of partners including: SFEI; BASMAA; ABAG; the cities of San Jose, Sunnyvale, San Mateo, Livermore, Oakland, and Richmond; and Contra Costa County. The source of the matching funds is a Proposition 84 IRWMP Grant to implement the San Jose Chynoweth Avenue Green Street Retrofit Project. Additional project resources come from municipal partners in the form of in-kind staff time.

Although this is a three-year project, the Urban Greening Bay Area's ten-year goal and anticipated environmental outcome is widespread, distributed use of GI by regional and local agencies that will result in pollutant and runoff load reductions that help protect the health of our waterways and the Bay.



Example of GreenPlan-IT map of ranked GI locations for City of San Mateo based on GIS feasibility analyses

IRWMP Round 2 projects are fully up and running. SFEP staff just completed the first submittal of quarterly reports, invoices, and deliverables to DWR for all 20 projects. This was the first runthrough of the procedures established by the SFEP team, including the forms developed and a two-sets-of-eyes review process. A modification to the executed agreement is in process to incorporate changes to budgets, schedules, and work scopes to date. 15 of 19 LPSs have signed LPS agreements with ABAG, and four are waiting for the amendment to the master agreement to be executed before they enter into the LPS agreement.

IRWMP Round 3: DWR and ABAG are working on the draft master agreement for the project. We have been working with DWR to translate information from the applications into the work plan format of the agreement and had the LPSs review and update schedules and budgets. With that essentially complete, we are correcting a few errors and close to a final draft agreement. A kickoff meeting with LPSs will be held in the next several months, depending on when the master agreement is executed.

IRWMP Round 4: SFEP is gearing up to serve as applicant for all SF Bay region projects on the Round 4 (2015 Round) funding solicitation by DWR. The deadline will be in early August. SFEP, the region's Project Selection Committee, and a consultant will be working closely to prepare the application by that deadline.

IRWMP Round 2
\$20,000,000 , 20 projects, underway
-
IRWMP Round 3
\$32,178,423 , 11 projects, in contracting mode
-
IRWMP Round 4
\$41,305,435 , application being prepared
-
Total IRWMP Funds with SFEP/ABAG as grantee:
\$93.5 million

Estuary 2100 Phase II Living Shorelines Project Completion

Under Estuary 2100 Phase II (a \$300,000 award from the EPA's Bay Water Quality Improvement Fund), the Living Shorelines project has successfully completed all of its goals and objectives, seeing more than 2 million oysters on the reefs and a wide diversity of invertebrates, fish, and birds using the oyster and eelgrass habitat. The reefs are reducing wave energy by 30-50% at certain tides, and sediment is accumulating inshore of the treatments. The project has become a model for testing pilot climate adaptation approaches to protect our vulnerable shorelines from sea level rise and erosion, while establishing needed habitat linkages and connectivity. The project team has shared its design and preliminary results with resource agencies, consulting firms, academics, non-profits, and city and county staff, and they continue to make public presentations on the project.



Outreach

Bay Nature Covers Flood Control 2.0

Estuary NEWS editor Ariel Rubissow Okamoto contributed a feature article on SFEP's Flood Control 2.0 project, helmed by Caitlin Sweeney, to this month's Bay Nature magazine:

<https://baynature.org/articles/flood-control-2-0/>



Flood Control 2.0

Looking to the zone where creeks meet the Bay to guide our response to extreme storms and sea level rise

by Ariel Rubissow Okamoto on May 12, 2015



Friends of the San Francisco Estuary is continuing its efforts to build on the Association of Bay Area Governments (ABAG) resolution passed in 2012 on freshwater flows and the health of the San Francisco Estuary. We are working with multiple stakeholders in Solano, Santa Clara, and Alameda counties to secure the passage of resolutions in those areas, and will be introducing resolutions in some Bay Area cities this summer. For more information on resolutions already passed, visit <http://friendsofsfestuary.weebly.com/sf-estuary-resolutions.html>.

Friends' April Policy updates highlighted the imminent or projected extinction of multiple fish species in the Bay-Delta Estuary and the mandatory water restrictions recently adopted by the State Water

Resources Control Board. More on these updates can be found on our home page at <http://friendsofsfestuary.weebly.com/>.

Friends gave a statement at a State Water Resources Control Board workshop on drought-related activities in the Bay-Delta watershed on May 20. A joint statement from San Francisco City & County Supervisor Scott Wiener, Contra Costa County Supervisor Mary Piepho, and other Bay Area supervisors (pending confirmation) will also be delivered at this workshop. These statements urge the State Board to take assertive action to protect the endangered and commercially and recreationally important runs of salmon later this year, particularly in light of the devastating losses of the 2014 brood year. An excerpt of Friends' statement follows:

We commend the State Water Resources Control Board for its efforts to protect all beneficial uses, including agriculture, urban users, and public trust resources, during this exceptional drought. In particular, we applaud you for taking the actions necessary to ensure that human health and safety needs are met. We would like to remind you, however, that the well-being of our Bay-Delta Estuary is hanging by a thread. The loss or collapse of multiple fish species is imminent, including harm to endangered salmon and commercially and recreationally important salmon and sturgeon.



Lea Castleberry, Deputy Chief of Staff for Contra Costa County Supervisor Mary Nejedly Piepho (L) and Friends Board member Rick Morat at the May 20 hearing

Estuary NEWS

In the March, Joe Eaton writes that it isn't your grandfather's estuary, nor even your father's, in one of several stories in this issue exploring the complex interactions between food, water quality, species health and restoration in the Bay and Delta. The issue also drills down into the subtler science of contaminants, from mercury in fog to copper effects on salmon senses and the nature of the mystery goo that slimed Bay birds in January. Hopeful events are also covered: the North Bay's Cullinan Ranch felt the touch of the tides for the first time since the 1880s and SFEP is working hard to update the grandest plan to save the health of the Estuary ever: the CCMP. Read the issue at <http://www.sfestuary.org/estuary-news>.



**SAN FRANCISCO ESTUARY PARTNERSHIP
FFY 2016 WORK PLAN AND BUDGET
OCTOBER 1, 2015 - SEPTEMBER 30, 2016**

Suisun Marsh



FFY 2016 Work Plan and Budget

October 1, 2015 – September 30, 2016

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Attachment 1: Estimated FFY 16 Budget

Attachment 2: SFEP Staff List

Attachment 3: Funds Used for Travel

Attachment 4: Completed Projects



WHAT'S NEW IN 2015/16

The work plan has been restructured to align with two other major SFEP documents: the new *Comprehensive Conservation and Management Plan 2016* and the *2015 State of the Estuary Report*. This revision completes a long-term goal of ours; to integrate all of SFEPs key documents so that they work better as a whole framework to support our work. The Work Plan Elements now reflect our ecological attributes as follows:



We continue to be very much focused on the goals in the current Strategic Plan as climate change adaptation is now a defined driver of the new CCMP and the watershed and water quality goals of the Strategic Plan are reflected in the actions in the CCMP and the health indicators of the State of the Bay/Estuary Report.

SFEP had a very successful year competing for funding on both the state and Federal level. As part of the regional team that prepared the winning proposals, we now manage for the region an additional \$50 million in 29 water quality and drought-preparedness projects. We were also awarded two new grants from EPA to continue our work on green infrastructure planning and science and monitoring in the Suisun Bay marshes.

In exciting developments, staff, our advisory committees and stakeholders are creating a new CCMP that will guide our actions for the next 5 years with a vision for how we want to manage and plan for our estuary in 2050.

We saw a number of staff reductions this past year as we streamlined our personnel levels to match our mid and long-term funding expectations. Several permit support contracts ended and with them the staff associated with those positions. Despite these reductions, SFEP is on solid footing to accomplish our strategic goals, actively manage the over 60 projects in our portfolio, and implement the actions called for in the new CCMP.

EXECUTIVE SUMMARY

The San Francisco Estuary Partnership finds funding for projects and programs that implement our Comprehensive Conservation and management Plan. In this effort, our 13 staff work, or oversee work being done, under 25+ grants and contracts that cover over 60 projects – and manage more than \$65 million of project funds.

This workplan addresses both the requirements of receiving annual US EPA implementation funds and the direction of our 2013-18 Strategic Plan. Our 2015/16 \$650,000 appropriation of Section 320 EPA funding is a small, but critical part of the budget as it allows staff to work on efforts not directly funded by the other specific grant/contract funds.

This workplan summarizes our budget, and lists the projects, programs, and partners that SFEP will be working on from October 2015 to October 2016. Some of these projects were designed by, and are directly managed by, SFEP staff—such as our Clean Boating Program, mercury reduction projects in the Guadalupe River watershed, urban pesticide reduction work (*Got Ants?*), and Green Infrastructure efforts (*“SFEP led projects”*). Most of the workplan’s projects are being done by our partners, with SFEP doing financial and administrative oversight (*“assist partner led implementation efforts”*).

Time/budget allocations for SFEP’s 13 staff members are distributed among the many grants and contracts with staff leads established for each project and program. It is not feasible to show the hourly distribution of that staff time or detailed budgets for each project staff, but leads are noted in the workplan.

It is important to stress that SFEP’s budget and workplan are continuously in flux. With only the EPA annual allocation as a constant income source, the Partnership must constantly work to develop new projects and find new funds and Partnership staff are continuously working with possible new funding partners and applying for new awards. This means that new projects are always in the pipeline (*“potential new initiatives”*) and that staffing allocations of time and budget shift frequently to meet new obligations as additional funds are secured. This means that the workplan that will be approved by the Implementation Committee in May 2015 will be somewhat different from the Partnership’s actual work during October 2015 to September 2016.

The workplan does not describe the details of any of the listed projects. Our website has information on many of the listed projects and we encourage readers interested in specific project elements to visit www.sfestuary.org.



Judy A. Kelly, Director



THE SAN FRANCISCO ESTUARY PARTNERSHIP

The San Francisco Estuary Partnership collaborates with federal, state, and local agencies and stakeholder partners whose mission is 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 60 water quality 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 Conference and publish reports such as *The State of the Bay* (2011). This work is currently supported by more than 25 federal, state, and local grants and contracts and 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. EPA, the Association of Bay Area Governments, and the San Francisco Bay Regional Water Quality Control Board and 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 supplies irrigation water to four million acres of farmland. Although significantly altered since 1850 -- more than 90 percent of original tidal wetlands since the Gold Rush have been lost--the Estuary still:
 - provides drinking water to nearly two-thirds of the state's population
 - supports significant wildlife; about two-thirds of the state's salmon travel through the estuary as young fish and return to spawn as adults
 - supports almost half of the migratory birds on the Pacific Flyway
 - provides many important wetland functions, acting as natural pollution filters, trapping sediment, providing flood protection, and offering habitat for fish, shellfish, waterfowl, and other wildlife.
- 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.

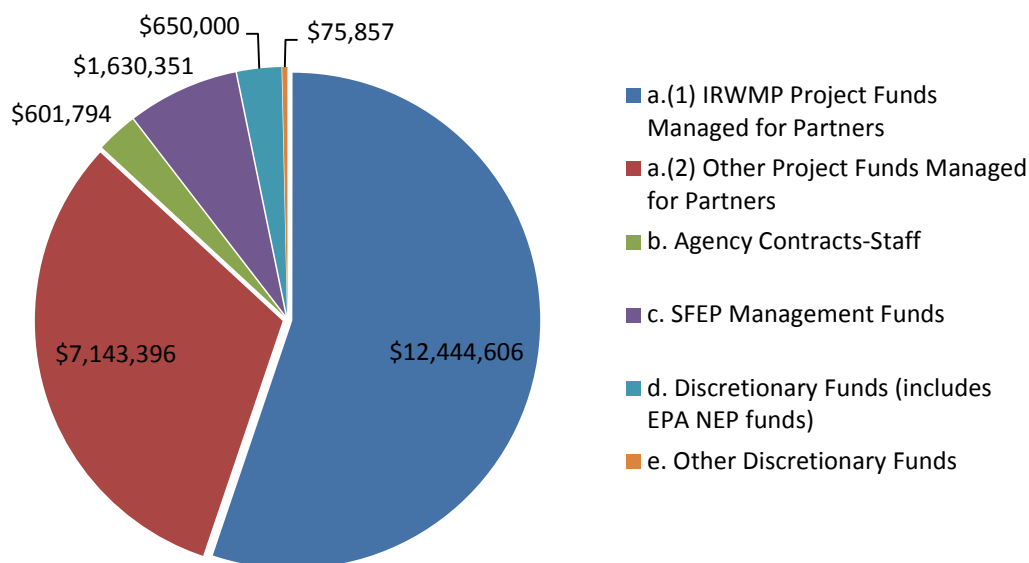
- Introduced, invasive aquatic plant and shellfish species also take a toll on the health of the Estuary's ecosystems.
- In all estuaries, the amount of fresh water that flows in from upland watersheds defines the quality and quantity of estuarine habitat. Most of the fresh water that flows into the 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 determined in 2010 that 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 would need to 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 flow is the subject of several major concurrent efforts at the regional and state levels. SFEP will continue to closely track and influence these processes. (See www.sfestuary.org for additional information about the Estuary.)



FUNDING

FFY 15/16 BUDGET ESTIMATE: SFEP currently manages a total of over **\$65 million** in multi-year project and contract funding. **Our estimated FY 15/16 budget is over \$22.5 million.** Estimated dollar amounts for FFY 15-16 include:

- a) The total amount of funds managed for partners, estimated for FFY15-16 is \$19,588,302. More than 60 project partners work under grants received by SFEP.
 - (1) IRWMP Project Funds Managed for Partners: \$12,444,606. This includes the FFY 16 portion of the \$20 million that ABAG/SFEP was awarded for a Proposition 84 IRWMP Implementation Grant from DWR, which we manage on behalf of 19+ partners; and \$32 million awarded for 10 drought relief projects under a Proposition 84 IRWMP grant from DWR.¹
 - (2) Other Project Funds Managed for Partners (outside of IRWMP): \$7,143,396.
- b) Agency Contracts (funds for technical support staff related to permit compliance): \$601,794. This provides four staff positions to support the Regional Water Board for permit assistance.
- c) SFEP Management Funds: \$1,630,351. Funds included in awarded grants for SFEP management and financial activities for the over 60 projects we manage for ourselves and for our partners.
- d) Discretionary Funds: \$650,000. This includes the annual NEP funds from EPA.
- e) Other Discretionary Funds: \$ 75,857. This includes funds raised to support the biennial State of the Estuary Conference.

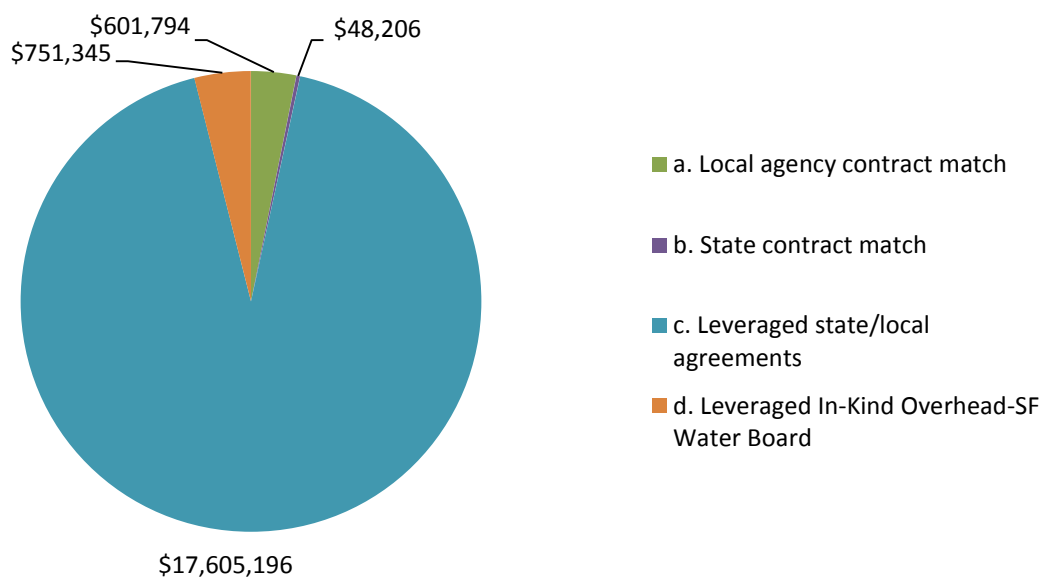


¹ SFEP is currently working with regional partners on the next round (Round 4) of IRWMP funding, and we expect to add 9-10 new projects and \$41.3 million in new funds in the 2015/16 fiscal year.

Clean Water Act Section 320 Funding. Our EPA FY 16 allocation will be **\$650,000**, 27 percent of SFEP's total operating budget (total of grant management and discretionary funds; \$2,356,208). These highly leveraged National Estuary Program dollars provide partial support for salary, benefits, and other fixed costs for nine core staff. An additional four staff work under agreements with local agencies focused on clean water efforts (see staffing details in Attachment 2).

Match Funds. Our Section 320 funding must have a 50 percent match. Match funds come from contracts with local water agencies to fund staff assisting with permitting for the San Francisco Regional Water Quality Control Board and state contract for science support. ABAG also provides direct project match as well as in-kind support for financial statements, payable reports, invoicing, and legal assistance. Additionally SFEP leverages \$751,345 in Water Board in-kind support for office space, computers, phones, mailing, supplies, etc. (amount based on ABAG overhead cost). SFEP leverages an additional \$17,605,196 in state and local funds primarily for IRWMP grant management.

TOTAL LEVERAGED FUNDS FY 15-16: \$19,006,541



Organization. The Work Plan Elements reflect the basic organization of both the 2016 Updated Comprehensive Conservation and Management Plan and the updated 2015 State of the Estuary report and is in keeping with the already established goals set in the current Strategic Plan:

THE STRATEGIC PLAN: 2015 – 2018 GOALS

Goal 1: Build Estuary readiness to deal with the effects of climate change

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

Goal 2: Increase watershed health

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

Goal 3: Improve water quality

Focus on pollution prevention, urban runoff/stormwater quality, and “Green Infrastructure” projects (“low impact development,” or LID).

Goal 4: Champion the Estuary

Develop and implement a communications program to raise the visibility and increase support of SFEP’s Bay protection and restoration activities.

Goal 5: Continue to improve management of the Partnership; diversify funding sources

The Work Plan matrix is divided into sections corresponding to the five attributes of a healthy estuary which now are the framework for our new CCMP and State of the Estuary Report. Work under each section is described into specific areas of effort with projects under each area categorized as follows:

Manage and Implement Current SFEP-led Projects

Projects for which SFEP staff are the overall lead or contribute substantially and for which SFEP has secured the funding.

Manage and Assist Current Partner-led Implementation Efforts

Projects for which SFEP is not the day-to-day lead but provides oversight, coordination and grant management support. This corresponds to the largest portion of our budget.

Potential New Initiatives

Priority areas for new efforts, should funding be secured.



2015-2016 WORK PLAN ELEMENTS

LIVING RESOURCES, HABITATS, WATER, ECOLOGICAL PROCESSES, STEWARDSHIP

LIVING RESOURCES

Objectives:

- Conduct scientific research and monitoring to measure status of natural communities
- Improve physical conditions and processes supporting self-sustaining natural communities
- Eliminate or reduce threats to natural communities

Measures of Success:

- Increase in natural living resource communities, aquatic and terrestrial

Key successes of the previous year:

- Updated CCMP focus on natural communities

Living Resources: Implement SFEP Led Projects		
Actions/Projects/Partners	Activities	Resources
Implement National Invasive Species Act and California Aquatic Invasive Species Management Plan. Serve on Aquatic Nuisance Species National Task Force, Western Regional Panel on Aquatic Nuisance Species, California Invasive Species Advisory Committee, and California Marine Invasive Species Program's Technical Advisory Group. <i>California State Lands Commission, the San Francisco Bay Water Board, the U.S. Fish and Wildlife Service, California Department of Fish and Game</i>	Provide continued staff support to panels and programs. Key activities include: <ul style="list-style-type: none"> • Developing new policies and programs to reduce the spread of aquatic invasive species • Developing and reviewing regional and species management plans • Prioritizing key activities for implementation and funding • Coordinating activities at the federal, state, and local levels 	<i>\$320 funding</i>

Living Resources: Implement SFEP Led Projects		
	Staff attends Fall and Spring ANS Task Force Meetings, the Annual WRP meeting held in the fall, and MISP meetings and QZAP meetings as scheduled. Karen McDowell, PhD., Marine Biology, is the lead on this work.	

Living Resources: Potential New Initiatives		
Actions/Projects/Partners	Activities	Resources
a) Strengthen early detection programs for aquatic invasive species in the San Francisco Estuary	Partner with Bay Area Early Detection Network and explore other opportunities to expand early detection efforts to wetland and aquatic species	<i>\$320 funding</i> New funds
b) Expand aquatic invasive species outreach to targeted audiences including: recreational boaters , aquarium hobbyists, water gardeners, live bait distributors, etc.	<ul style="list-style-type: none"> • Identify partners • Develop program • Identify resources • Distributing AIS information 	<i>\$320 funding</i> New funds



HABITATS

Objectives:

- Achieve and sustain the quality, quantity and diversity of habitats essential for a health San Francisco Bay Delta Estuary
- Protect ecological functions of connected aquatic and terrestrial habitats between the San Francisco Bay Delta Estuary and its watersheds
- Create and enhance the habitats that sustain the survival, including adaptation, of native and other highly desirable species

Measures of Success:

- Increase in regional estuarine wetland acres
- Increase in riparian creek buffer acres

Key successes of the previous year:

- Reported 4,215 acres wetland restored and 4,790 linear feet riparian restoration to NEPORT.

Climate Change Research and Creek and Wetland Conservation and Restoration

Habitats: SFEP Led Projects

Actions/Projects/Partners	Activities	Resources
a) Support research and analysis into effects of climate change on the ecology of the estuary to support adaptation and resilience efforts. ABAG, MTC, BCDC	Staff the Joint Policy Committee SFEP staff coordinates ABAG's efforts with other agencies on the Resilient Shorelines Program, including developing a chapter on resilience for the revised Sustainable Communities Strategy. SFEP is a member of the San Francisco Bay Regional CHARG (Coastal Hazards Adaptation Resiliency Group)	\$320 funding/ State bond money through ABAG
b) Support the SF Bay Restoration Authority. ABAG, State Coastal Conservancy, Save The Bay, San Francisco Bay Joint Venture	Provide staff support to the Board of the Authority as it carries out its mission to find local funding for regional wetland restoration. Continue to support RA-Judy Kelly; Karen McDowell	\$320 funding

Climate Change Research and Creek and Wetland Conservation and Restoration		
Habitats: SFEP Led Projects		
Actions/Projects/Partners	Activities	Resources
c) Refine, complete, and report on environmental indicators to measure and report health of the estuary. <i>Aquatic Science Center, The Bay Institute; Point Blue Conservation Science</i>	Completing a <i>State of the Estuary Report 2015</i> for the September 2015 <i>State of the Estuary Conference</i> .	\$320 funding SRF Loan
d) Creek Mouth Assessment Tool	Create a user-friendly online web tool that will help agencies, organizations and volunteer stewardship groups understand both regional opportunities and constraints for creek mouth restoration/flood protection projects. Phase I completed; considering next steps and funding needs	Needs additional funds
e) Watershed Program. <i>Watershed Groups</i>	<ul style="list-style-type: none"> Managing currently funded IRWMP Prop 84 Disadvantaged Communities projects and assist with IRWMP update outreach. Coordinate the Bay Area Watershed Network (BAWN) and its working groups. Maintain BAWN online resources. Project management ongoing and basic support for BAWN, but funding has ended for other program efforts	\$320 funding

Habitats: Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities (vary by project)	Resources/
<ul style="list-style-type: none"> Chelsea Wetland Restoration Project <i>Ducks Unlimited</i> 	<ul style="list-style-type: none"> Provide administrative support and project management 	EPA/West Coast Estuaries

Habitats: Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities (vary by project)	Resources/
<ul style="list-style-type: none"> Flood 2.0: Rebuilding Habitat and Shoreline Resilience through a New Generation of Flood Control Channel Design and Management <i>BCDC, SFEI, Marin County, San Francisquito JPA, SF Bay Joint Venture, Point Blue Conservation Science</i> Stonybrook Creek Bank Stabilization , <i>Alameda RCD</i> Watershed Scale Map Tools and Shoreline Change Study, <i>SFEI</i> <p><i>Disadvantaged Community Projects</i></p> <ul style="list-style-type: none"> Stream Restoration with schools in Disadvantaged Communities of the North Bay (STRAW), <i>Point Blue Conservation Science</i> Bay Point Stormwater and Flood Reduction Strategies Pilot Project, <i>The Watershed Project</i> Richmond Shoreline & San Pablo Flood Project, <i>Urban Tilth, RDG</i> San Francisquito Watershed Design Curves, <i>Committee for Green Foothills, CEMAR</i> Pescadero Integrated Flood Reduction and Habitat Enhancement Project, <i>San Mateo RCD</i> Flood Infrastructure Mapping & Communication Tool, <i>SFEI</i> 	<ul style="list-style-type: none"> Monitor project progress Submit quarterly progress reports Perform site visits Coordinate sub-recipient activities Manage contracts for implementation of project -specific actions Process invoices and assist with audit questions Oversee and coordinate draft and final reports <p>SFEP staff on these projects includes Josh Bradt and Caitlin Sweeney</p> <p>SFEP staff Caitlin Sweeney provides support for a services of project funded in disadvantaged communities under the IRWMP grant.</p> <ul style="list-style-type: none"> Provide administrative support and project management Monitor project progress Submit quarterly progress reports Perform site visits Coordinate sub-recipient activities Manage contracts for implementation of project -specific actions Process invoices and assist with audit questions Oversee and coordinate draft and final reports 	<p>Initiative</p> <p>EPA/San Francisco Bay Water Quality Improvement Fund</p> <p>EPA-SFBWQIF</p> <p>DWR Integrated Regional Water Management Plan (IRWMP) Round 1 – Implementation Grant</p>

Habitats: Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities (vary by project)	Resources/
<ul style="list-style-type: none"> • Napa County Milliken Creek Flood Damage Reduction, <i>Napa County</i> • Oakland Sausal Creek Restoration, <i>City of Oakland</i> • Petaluma Flood Reduction, Water and Habitat for Capri Creek, <i>City of Petaluma</i> • Redwood City Bayfront Canal Flood Management and Habitat Restoration, <i>City of Redwood City</i> • Richmond Breuner Marsh Restoration, <i>East Bay Regional Parks District</i> • San Francisco Bay Climate Change Pilot Projects (including Oro Loma Ecotone), <i>Oro Loma Sanitary District, Save the Bay, The Bay Institute, ESA, SFEI</i> • San Pablo Rheem Creek Wetlands Restoration, <i>Contra Costa Water District</i> • St. Helena Upper York Creek Dam Removal and Ecosystem Restoration, <i>City of St. Helena</i> • Lagunitas Creek Watershed Sediment Reduction & Management, <i>Marin Municipal Water District</i> • Marin/Sonoma: Conserving Our Watersheds: Agricultural BMP project, <i>Marin RCD</i> • Pescadero Water Supply and Sustainability project, <i>San Mateo County</i> • Students and Teachers Restoring a Watershed (STRAW), <i>Point Blue Conservation Science</i> 	<p>SFEP currently provides overall grant management and coordination for 20 regional IRWMP Round 2 projects including all of the key activities noted above. SFEP staff for this effort includes Jennifer Krebs, Athena Honore and Karen McDowell. 11 additional projects and \$32 million were added in IRWMP Round 3. With IRWMP Round 4 expected to start this fiscal year, we will manage an additional \$41.3 million dollars (the number of projects is not yet known).</p>	<p>DWR Integrated Regional Water Management Plan (IRWMP) Round 2 Implementation grant</p>

Habitats: Potential New Initiatives		
Actions/Projects/Partners	Activities	Resources
Phase 2: Evaluate creek mouth restoration projects	<ul style="list-style-type: none"> • Identify and secure funding • Complete regional assessment of creek mouth restoration opportunities • Identify potential partners and projects • Further develop and refine projects 	<i>\$320 funding</i> New funding
Expand Flood 2.0 Project	<ul style="list-style-type: none"> • Identify and secure funding • Identify potential partners and projects • Further develop and refine project 	<i>\$320 funding</i> New funding



WATER

Objectives:

- **Improve estuary functionality to improve water quality**
- **Prevent, reduce, control pollution including stormwater runoff**
- **Improve management of water demand**
- **Help create a new water ethic**

Measures of Success:

- **Increase in use of recycled water**
- **Decrease in water demand**
- **Increase in low impact stormwater treatment facilities**
- **Decrease of pesticide usage**

Key successes of the previous year:

- **Construction of 7 new low impact stormwater collection systems in 7 East Bay cities along San Pablo Avenue (State Route 10)**
- **Removal of fish passage barriers at two sites on Stonybrook Creek**

Water: TMDL/Pollution Prevention Implementation

Implement Current SFEP Led Projects

Actions/Projects/Partners	Activities	Resources
a) Implement Bay Area Urban Creeks Toxicity/ Pesticides TMDL: Greener Pesticides for Cleaner Waterways campaign (GPCW), <i>BASMAA</i>	For GPCW: Reduce household pesticide use through regional outreach campaign building on Our Water Our World program and Got Ants? materials. SFEP staff is Athena Honore, project manager	EPA/SF Bay Water Quality Improvement Funds <i>\$320 funding</i>

Water: TMDL/Pollution Prevention Implementation		
Implement Current SFEP Led Projects		
Actions/Projects/Partners	Activities	Resources
b) Manage Supplemental Environmental Projects (Water quality implementation projects funded through RWQCB fines), <i>San Francisco Bay Water Board, project sponsor</i>	<ul style="list-style-type: none"> • Provide project oversight • Coordinate with Water Board staff • Maintain lists of potential and completed projects • Provide project selection assistance to dischargers SFEP staff is Athena Honore, project manager 	SF Bay Regional Water Board ACL actions
c) Implement boater pollution prevention education program under the Clean Vessel Act: Increase recreational vessel pump-out usage and awareness among boating community, <i>CA DBW, Bay and Delta Marinas</i>	<ul style="list-style-type: none"> • Survey and report on condition and use of current pump-outs in the Bay-Delta region. • Work with marinas, boaters and stakeholders to develop a BMP and best technologies toolkit that can be used by other marinas throughout California and other states. • Host Honey Pot Day events in the bay and delta to educate boaters on sewage related issues • Develop implementation plan for a publically funded mobile pump-out pilot in the Oakland Estuary. • Develop a monitoring app for our surveyor to use or a public user app, to be distributed to other states for use. SFEP staff include James Muller and Adrien Baudrimont 	State Dept. of Parks and Recreation, Boating and Waterways CVA Grant

Water: TMDL/Pollution Prevention Implementation		
Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities	Resources
<ul style="list-style-type: none"> Implement TMDL Projects in Napa and Sonoma Counties <i>North Bay Watershed Assn., MMWD, County of Marin, Sonoma Ecology Center, Sonoma RCD, Napa RCD</i> North Richmond Stormwater Diversion Project <i>Contra Costa Flood Control and Water Conservation District, SFEI</i> Senador Mine Mercury Waste Remediation (Guadalupe R. watershed mercury TMDL), <i>County of Santa Clara, SF Bay Regional Water Board</i> Calcine Paved Roads Remediation, <i>County of Santa Clara, SF Bay Regional Water Board</i> Jacques Gulch Remediation Design, <i>County of Santa Clara, SF Bay Regional Water Board</i> 	<ul style="list-style-type: none"> Provide administrative support and project management Monitor project progress Submit progress reports Perform site visits Coordinate sub-recipient activities Manage contracts for implementation of project -specific actions Process invoices and assist with audit questions Oversee and coordinate draft and final reports <p>SFEP staff on these projects includes James Muller and Jennifer Krebs</p>	EPA/SF Bay Water Quality Improvement Funds



Water: Green Infrastructure/Low Impact Development (LID)		
Implement SFEP Led Efforts		
Actions/Projects/Partners	Activities	Resources
a) San Pablo Avenue Green Stormwater Spine Project, green LID stormwater retrofit projects in seven East Bay cities along San Pablo Avenue, <i>San Pablo, Richmond, El Cerrito, Albany, Berkeley, Emeryville, and Oakland</i>	<ul style="list-style-type: none"> • Provide administrative support and project management • Monitor project progress • Submit progress reports • Perform site visits • Monitor 2 year post-construction plant establishment • Continue project outreach and education SFEP project manager is Josh Bradt	DWR IRWMP Prop 84 Implementation Grant; SF Bay Water Quality Improvement Fund (EPA); Caltrans; CA Natural Resources Agency-UGC
b) Green infrastructure outreach	<ul style="list-style-type: none"> • Organize/host green infrastructure tracks at conferences • Participate in green infrastructure panels at conferences, workshops, and webinars • Update SFEP webpage with results. 	§320 funding DWR IRWMP Prop 84 Implementation grant SWRCB Prop 84
c) GreenPlan Bay Area, <i>SFEI, City of San Mateo, San Jose</i>	<ul style="list-style-type: none"> • Provide administrative support and project management • Monitor project progress • Submit progress reports • Perform site visits Green Plan staff includes Jennifer Krebs and Josh Bradt	SWRCB Prop 84

Water: Green Infrastructure/Low Impact Development (LID)		
Implement SFEP Led Efforts		
Actions/Projects/Partners	Activities	Resources
d) Urban Greening Bay Area (Phase 2 of GreenPlan Bay Area), BASMAA, SFEI, Oakland, San Mateo, San Jose, Contra Costa County	<ul style="list-style-type: none"> • In concert with SFEI, revise and improve siting tools for LID developed under GreenPlan Bay Area • In partnership with Local Governments, develop GreenPlans that institutionalize LID features in local plans • In concert with BASMAA, participate in Roundtable for Green Infrastructure Funding for transportation-related LID implementation • In concert with BASMAA, host competition to develop plans for LID features in common streetscape typologies; work with cities to build several such features. 	EPA /San Francisco Bay Water Quality Improvement Fund
e) Update green infrastructure web tools	Add green infrastructure materials to SFEP website; include recent monitoring and evaluation results from current projects.	\$320 funding



Water: Green Infrastructure/Low Impact Development (LID)		
Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities (vary by project)	Resources
<ul style="list-style-type: none"> Hacienda Green Street, <i>City of Campbell</i> Green Streets Demonstration project, <i>City of San Jose</i> 	<ul style="list-style-type: none"> Provide administrative support and project management Monitor project progress Submit progress reports Perform site visits Support and oversee San Francisco Estuary Institute monitoring efforts Manage sub-recipients' project implementation contracts Publicize projects Hold tours and forums Oversee preparation of final project report 	<p>DWR IRWMP Phase 1</p> <p>DWR IRWMP Phase 2</p>

Potential New Initiatives		
Actions/projects	Activities (vary by project)	Resources
a) Develop homeowners' or municipal building rain garden program	Develop contest and pilot program for homeowners (4 in 2 counties) to implement rain gardens	\$320 <i>funding</i>
b) Develop cost/benefit analysis for green infrastructure projects in the Bay Area.	Find and secure funding to hire environmental economist to conduct cost/benefit analysis of regional green infrastructure projects.	\$320 <i>funding</i> New funds

Water Conservation		
Implement SFEP Led Projects		
Actions/Projects/Partners	Activities	Resources
Support and promote new methods of water use and conservation within the estuary watersheds.	Support current and potential projects	DWR IRWM Prop 84

Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities	Resources/Partners
<ul style="list-style-type: none"> SFPUC regional groundwater storage and recovery, <i>City & County of San Francisco</i> San Francisco International Airport Industrial Waste and Reclaimed Water Facility, <i>City & County of San Francisco, Airports Commission</i> East Bayshore recycled water pipeline <i>East Bay Municipal Utility District</i> Bay Area Regional Water Conservation Project, <i>13 regional water agencies</i> North Bay Water Reuse Program, <i>Sonoma County Water Agency</i> Roseview Heights Water Supply Infrastructure Upgrades, <i>Roseview Heights Mutual Water Company</i> Lower Cherry Aqueduct Emergency Rehabilitation Project, <i>San Francisco PUC</i> Zone 7 Water Supply Well and Pipeline Drought Preparedness Project, <i>Zone 7 Water Agency</i> Los Carneros Water District and Milliken-Sarco-Tulocay Recycled Water Pipelines, <i>Napa Sanitation District</i> 	<ul style="list-style-type: none"> SFEP will manage grant projects Monitor project progress Review & submit quarterly reports and invoices Provide administrative support and management Coordinate sub-recipient activities Manage contracts for implementation of project -specific actions Review and submit final reports 	<p>DWR IRWMP Round 2 Implementation grant</p> <p>DWR IRWMP Round 3 Implementation grant</p>

Assist Partner Led Implementation Efforts		
Actions/Projects/Partners	Activities	Resources/Partners
<ul style="list-style-type: none"> • Sunnyvale Continuous Recycled Water Production Facilities and Wolfe Road Pipeline, <i>City of Sunnyvale, Santa Clara Valley Water District</i> • DERWA (DSRSD-EBMUD JPA)-Phase 3 Recycled Water Expansion Project, <i>Dublin San Ramon Services District, East Bay Municipal Utility District</i> • Calistoga Recycled Water Storage Facility, <i>City of Calistoga</i> • Drought Relief for South Coast San Mateo County, <i>San Mateo RCD</i> • Stinson Beach Water Supply & Drought Preparedness Plan, <i>Stinson Beach Municipal Water District</i> • Bay Area Regional Drought Relief and Water Conservation Project, <i>11 local water agencies</i> • WaterSMART Irrigation, <i>Marin Municipal Water District</i> 		

ECOLOGICAL PROCESSES

Objectives:

- Ensure adequate freshwater flows to maintain a viable San Francisco Bay Estuary
- Monitor climate change indicators including precipitation, sea level rise, ocean acidification

Measures of Success

- Adequate freshwater in the Estuary to ensure survival of estuarine species and habitats

Key successes of the previous year

- Resolutions from ABAG and 6 Bay Area counties, 1 delta county, 2 water districts and 1 City supporting adequate freshwater flows for San Francisco Bay
- Bay+Delta+Water: Better Together Conference attended by over 175 Bay Area elected officials, agency leaders, and community advocates to discuss importance of freshwater flows to the San Francisco Estuary

Support Flow Studies and Efforts to Restore SF Bay Flows

Implement SFEP Led Projects

Action	Activities	Resources/
Support flow studies and efforts to restore adequate flows in the estuary and in Bay tributary rivers and streams. <i>Friends of the San Francisco Estuary, The Bay Institute, NRDC, The San Francisco Regional Water Board</i>	<ul style="list-style-type: none"> • Continue distribution of SFEP Flows Fact Sheet • Provide annual updates of fish and flows analysis • Continue to brief local elected officials on importance of adequate flows • With partners, complete new report: <i>The Case for the Bay</i> summarizing the need for freshwater in the bay. 	<i>\$320 funding and work in partnership with The Bay Institute and Friends of the Estuary</i>

Assist Partner Led Implementation Efforts		
Action	Activities	Resources/
Blue Carbon/Methane Monitoring Study: Assess methane fluxes re pond management of selected South Bay Salt Ponds and relate findings to pond water chemistry, <i>US EPA</i> , <i>State Coastal Conservancy</i>	<ul style="list-style-type: none"> • Contract with State Coastal Conservancy • Review and administer project progress reports and technical memos • Process invoices • Monitor budget 	<i>\$320 funding</i>



STEWARDSHIP

Objectives:

- Promote public involvement in estuary protection through updated interactive website
- Educate the community through the biennial Bay-Delta Science Conference (Fall 2016)
- Create and publish the 2015 State of the Estuary Report

Measures of Success:

- Increased support for and distribution of *SFEP Estuary News* publication
- Increased attendees at forums, on tours, and at conferences
- Increase in web hits over prior year

Key successes of the previous year:

- Coordinated State of the San Francisco Estuary Conference September 17-18, 2015.
- Revamped ESTUARY News magazine with greater online presence: currently 1750 mail subscribers with online subscribers doubled to 720,
- Achieved 49% increase in webpage views per day and 63% increase in users per day.
- Crafted and published the new *2015 State of the Bay Report* to be released in September 2015.

Implement SFEP Led Efforts		
Actions	Activities	Resources
a) Increase public outreach through redesigned website and <i>Estuary News</i> publication	<ul style="list-style-type: none"> • Continue to update and upgrade SFEP website • Leverage information from SOE, Estuary News, etc. for increased outreach and awareness 	<i>\$320 funding</i>
b) Support SFEP projects with enhanced GIS capability	Develop GIS mapping for key Partnership projects and efforts	<i>\$320 funding</i> Grant funds when appropriate
c) Produce print media promoting the Partnership's projects and programs, building public support for a healthy estuary	<i>Estuary News Magazine</i> Columns in Service Matters (ABAG newsletter)	<i>\$320 funding</i> Appropriate grant funds and subscriptions and partner donations

Implement SFEP Led Efforts		
Actions	Activities	Resources
d) Produce project-specific podcasts and public service announcements	Topics to be chosen as projects are completed	§320 funding Appropriate grant funds
e) Use/enhance online/social media	Continue to support: <ul style="list-style-type: none"> • SFEP Website • Estuary Report video podcasts • SFEP Facebook page 	§320 funding Appropriate grant funds/ [summer 2015 intern shared with Friends of the Estuary]
f) Commemorate significant dates by highlighting Partnership work	National Estuaries Day event	§320 funding Appropriate grant funds
g) Sponsor, plan, and conduct forums, workshops, tours, presentations and conferences	<ul style="list-style-type: none"> • Conduct subregional conferences for local government officials and staff to disseminate the results of green stormwater demonstration projects • Conduct media event/tour of completed projects to highlight project environmental effectiveness. • Plan Bay-Delta Science Conference for Fall 2016. 	§320 funding Appropriate grant funds
h) Increase outreach efforts through ABAG.	Continue green infrastructure leadership group; sponsor workshops.	§320 funding Appropriate grant funds



STRATEGIC PLAN GOAL 5: CONTINUE TO IMPROVE MANAGEMENT OF THE PARTNERSHIP; DIVERSIFY FUNDING SOURCES

In FFY 2015/16 the administrative team will continue to improve the effectiveness of the Partnership's management activities and implement the objectives of **Strategic Plan Goal 5**.

Action	Activities	Resources
a) Provide overall SFEP program management; contracting, budgets, personnel, scheduling, tracking, reporting, and support to sub-recipients and subcontractors, etc.	Actively manage SFEP's 25+ grants and contracts	<i>§320 funding</i> Appropriate grants and contracts
b) Provide meeting support for the Steering Committee, Implementation Committee and Executive Council	Schedule meetings of Steering Committee as needed	<i>§320 funding</i>
c) Report to EPA on habitat restoration and fund leveraging	Prepare annual NEPORT reports	<i>§320 funding</i>
d) Update the Comprehensive Conservation and Management Plan	In a major new effort, SFEP and IC partners are updating the CCMP	<i>§320 funding augmented for climate change adaptation actions from EPA HQ Climate Ready Estuaries SRF Loan</i>
e) Update the <i>2011 State of the Bay Report</i>	SFEP and science partners are updating the <i>2011 State of the Bay Report</i> to include the entire estuary, Bay and Delta	<i>§320 funding SRF Loan</i>

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 and 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.

As called for in the [Strategic Plan](#), the Director is engaged with the San Francisco Estuary Institute to develop strategies for increased integration of science into the SFEP program.

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 technical reviews, workshops and advisory panels, peer reviews, 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 entire Bay-Delta system.

PROGRAM TRACKING AND REPORTING

SFEP manages or supports over 60 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 biennial, two-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 2015 conference will be held September 17-18 2015.

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 Estuary Report 2015 SFEP and its scientific partners are working to update the 2011 State of the Bay Report and after assessing the current report, update as needed and create new ecological and social indicators to characterize the health of the Estuary. The target is to release the 2015 State of the Estuary report at the Fall 2015 State of the Estuary conference.

Tracking Habitat Changes SFEP relies on its partners, the Joint Venture, ABAG, the San Francisco Bay Water Board, and SFEI to develop and improve ongoing and improved habitat tracking using a GIS format. 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; [http://www.sfei.org/sites/default/files/Pulse%202013%20CECs\(1\).pdf](http://www.sfei.org/sites/default/files/Pulse%202013%20CECs(1).pdf), 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.

TECHNICAL ASSISTANCE TO SFEP PARTNER AGENCIES

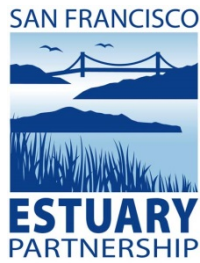
Permit Assistance: Joint Aquatic Resource Permit Application (JARPA) Permit Center. SFEP and ABAG have worked with Bay Area regulatory agencies to develop a single permit application form and instructions that consolidate federal, state, and local permits for individual and municipal applicants proposing 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, several SFEP staff, working under contract, provide technical support for reviewing and commenting on 401 permit applications and Waste Discharge Requirements. Typical projects include dredge and fill, wetland and flood protection projects, and transportation projects. This work is funded by and supports the efforts of the Santa Clara Valley Water District, Marin and Sonoma counties and the Alameda County Clean Water Program.



Work Plan Attachment 1: Estimated FFY 16 Budget

SFEP Work Plan: Attachment 1 :FY 2015-2016 ESTIMATED FUNDING								
Federal fiscal year October 1, 2015-September 30, 2016								
Note: Budget amounts are estimated allocations of total grant awards projected for receipt during the above fiscal year								
	GRANT #	PROJECT #	PROJECT	TERM	Funder	All Funds FFY 15-16 Federal	State/Local	Total
1	Section 320-NEP		SFEP Base Funding Support	10/01/15-09/30/16	US EPA	\$ 650,000		\$ 650,000
2	Regional Board	102015	ACL-SEP Management	07/01/99-----	Regiona Bd Fines		\$ 30,000	\$ 30,000
3	00-107-744	102032	DBW-OUTREACH	01/01/14-12/31/15	CA Dept Boating	\$ 187,993		\$ 187,993
4	A36135	102036	SCVWD	10/01/12-9/30/2015	Santa Clara Valley Water District		\$ 165,000	\$ 165,000
5	Conference	102065	SOE Conference	07/01/07-----	Fund Raising		\$ 75,857	\$ 75,857
6	Conference	102101	CAFW IEP	07/01/01-ONGOING	Conference fees		\$ 38,464	\$ 38,464
7	X7-00T04701-0	102134	Estuary 2100	03/01/09-02/29/2016	US EPA	\$ 548,178		\$ 548,178
8	EM-00T34101-0	102180	Estuary 2100-Phase 2	03/10/10-12/31/16	US EPA	\$ 496,645		\$ 496,645
9	4600009715	102204	IRWM Green Infrastructure	08/16/11-09/30/2016	CA DWR-Prop 84		\$ 1,568,308	\$ 1,568,308
10	4600009715	102205	IRWM- DAC Cts	08/16/11-09/30/2016	CA DWR-Prop 84		\$ 493,137	\$ 493,137
11	00T92401-0	102206	EPA-Flood 2.0 Resilient Habitats	07/01/12-12/01/2015	US EPA	\$ 487,312		\$ 487,312
12	00T97901-0	102207	EPA-Greener Pesticides	09/01/12-10/31/2016	US EPA	\$ 73,459		\$ 73,459
13	U59232-0	102208	SGC_Urban Greening-EC3	08/01/12-12/30/2015	Ca Natural Resources Agency		\$ 613,212	\$ 613,212
14	Marin Co	102214	Marin/Smart Permit Writer	11/06/12-03/31/18	County of Marin/SMART		\$ 155,250	\$ 155,250
15	Caltrans	102215	Caltrans Match for Spine		Caltrans		\$ 1,762,863	\$ 1,762,863
16	Sonoma Co	102220	SCWA-Permit Writer	03/15/13-06/30/2015	Sonoma Co Water Agency		\$ 191,192	\$ 191,192
17	DSC 2081	102222	Delta Science Support	07/01/13-06/30/16	Delta Stewardship Council		\$ 167,740	\$ 167,740
18	12-415-550	102223	SWRCB_GreenPlan-Prop 84	0/01/13-11/30/15	State Water Board		\$ 48,238	\$ 48,238
19	PO 5705	102227	Alameda County Permitting	09/24/13-08/09/18	Alameda Flood Control District		\$ 165,000	\$ 165,000
20	W9-99T03401-0	102230	Calcine Paved Roads	01/13/14-12/31/16	US EPA	\$ 770,662		\$ 770,662
21	4600010575	102231	DWR-IRWMP 2_SFEP	02/04/14-02/04/18	Ca Dept of Water Resources		\$ 105,399	\$ 105,399
22	4600010575	Various	DWR-IRWMP 2 LPS	02/04/14-02/04/18	Ca Dept of Water Resources		\$ 4,812,500	\$ 4,812,500
23		102257	DWR-IRWMP 3-SFEP	01/17/14-01/17/18	Ca Dept of Water Resources		\$ 161,124	\$ 161,124
24		Various	DWR-IRWMP 3-LPS	01/17/14-01/17/18	Ca Dept of Water Resources		\$ 7,632,106	\$ 7,632,106
25	C-06-8023-110	102258	SRF Unified Reporting	04/29/14--06/30/17	State Revolving Fund	\$ 405,951		\$ 405,951
26		102260	Urban Greening Bay Area		US EPA	\$ 432,716		\$ 432,716
27		102261	Suisun Marsh BMPS		US EPA	\$ 308,000		\$ 308,000
	Federal Non-NEP	\$ 3,710,915		TOTAL		\$ 4,360,915	\$ 18,185,389	\$22,546,304
	State/Local	\$ 18,185,389						
	Total Non-NEP	\$ 21,896,304						
	State/Local % Total	81%						
	Federal % Total	19%						
	NEP % Total	3%						
	NEP % of Federal	15%						



Date: May 20, 2015

To: Implementation Committee

From: SFEP Staff

RE: CCMP Revision Status Report

SFEP staff continue to work with the CCMP Subcommittee members and other partners to develop draft goals, objectives and actions. The attached document provides draft goals and objectives as well as an outline of the foremost action topic areas under each objective that are currently in development.

In addition, the document provides an example (using eelgrass) of how an action may look when completely developed. Each action is envisioned to include:

- A description
- The outcome and measurable metric
- Background information including the importance of the action to the health of the estuary and specific species where applicable
- Relationship to other regional documents
- The owner or owners of the action
- SFEP's role including any links to the State of the Estuary Report
- The type of action (e.g., planning, implementation, policy/management, science/research, etc.).

We look forward to receiving your feedback on the working action topic areas as well as the action template at the May 27th IC meeting.

GOAL 1**Sustain and Accelerate the Improvement of the Habitats and Living Resources Essential
For a Healthy San Francisco Bay Delta Estuary****OBJECTIVE 1 - Restore and enhance environmental conditions and processes that support desirable, self-sustaining natural communities****ACTION TOPICS**

1. Restore subtidal habitats including native eelgrass and oyster populations
2. Promote sand flat creation and replenishment projects
3. Restore complete tidal wetland systems
4. Maximize nesting, foraging, roosting, and high tide refuge for birds in and adjacent to managed wetlands in the Bay
5. Build managed wetlands for carbon sequestration and subsidence reversal in the Delta
6. Implement priority components of the Tidal Marsh Recovery Plan to benefit multiple species
7. Acquire subtidal and bayland areas suitable for future restoration
8. Restore tidal/fluvial interface for maximum ecosystem function
9. Protect and restore tributaries/riparian corridors
10. Protect vernal pools

OBJECTIVE 2 - Eliminate or reduce threats to natural communities**ACTION TOPICS**

1. Minimize the impact of invasive species through prevention, early detection and rapid response, and eradication and control
2. Identify significant predation areas and institute predator controls
3. Protect areas where shorebirds, waterfowl and harbor seals forage, rest and roost
4. Provide public access that avoids or minimizes adverse impacts to sensitive habitats and wildlife

OBJECTIVE 3 - Conduct scientific research and monitoring to measure status of natural communities, develop and refine management actions, and track progress towards management targets**ACTION TOPICS**

1. Develop and implement a regional watershed monitoring program

GOAL 2**Improve the Water Quality and Increase Freshwater Availability to the San Francisco Bay Delta Estuary****OBJECTIVE 1 - Assist the region to become more drought-resistant and water efficient****ACTION TOPICS**

1. Develop plans for long-term drought
2. Reduce Bay Area landscape water use
3. Reduce regional demand on imported water by improving local supply reliance
4. Increase Bay Area water recycling
5. Adopt indirect potable reuse regulations
6. Improve precipitation forecasting to better manage reservoirs and other infrastructure
7. Integrate full range of water issues into the updated Plan Bay Area and other regional plans

OBJECTIVE 2 – Restore the natural hydrograph**ACTION TOPICS**

1. Adopt Bay-Delta standards for freshwater inflow/outflow that better protect estuarine beneficial uses
2. Establish dry season impairment standards for tributaries
3. Encourage more self-sufficiency and efficiency in regional agriculture
4. Determine extent and possible responses to illegal diversions and work to restore flows

OBJECTIVE 3 – Reduce contaminants entering the system by treating problems at the source**ACTION TOPICS**

1. Reduce presence of pyrethroid pesticides to below levels of concern
2. Target and address contaminants of emerging concern (CECs) before they become significant problems
3. Decrease raw sewage discharges to the Bay through improvement in lateral repairs and boater outreach

OBJECTIVE 4 – Improve water quality by treating the problem once it's created**ACTION TOPICS**

1. Improve stormwater management through green infrastructure/low impact development
2. Target implementation of Total Maximum Daily Loads (TMDLs) (urban pesticides and mercury)
3. Develop and implement a program to manage nutrients

GOAL 3**Increase the Resiliency of the San Francisco Bay Delta Estuary, Including its Living Resources and Habitats, to Withstand Adverse Impacts from Changing Climate Conditions****OBJECTIVE 1 – Promote resilience of baylands and tributaries to climate change****ACTION TOPICS**

1. Prepare and implement a regional sediment management plan
2. Implement projects that restore estuary-watershed connections
3. Promote beneficial re-use of sediment
4. Identify and protect upland sites/transition zones that can accommodate wetland migration
5. Restore, acquire and protect floodplains
6. Integrate protection of natural resources in hazard mitigation, response and recovery planning

OBJECTIVE 2 – Increase adaptive capacity of shoreline communities while promoting and protecting natural resources**ACTION TOPICS**

1. Promote natural infrastructure strategies that leverage natural processes to provide multiple benefits
2. Implement integrated multi-benefit flood control and habitat restoration projects
3. Assess shoreline vulnerability and develop adaptation strategies that both protect public infrastructure and communities and enhance ecosystem services

OBJECTIVE 3 – Build capacity to improve adaptive management of the baylands from the ecological, flood risk management and water quality perspectives in light of climate change and other drivers**ACTION TOPICS**

1. Support leaders throughout the region working to develop, implement and re-assess vulnerability and adaptation
2. Increase coordination among baylands stakeholder organizations

GOAL 4

Champion the San Francisco Bay Delta Estuary

ACTION TOPICS

1. Develop a comprehensive behavior change program to encourage long term water use change
2. Provide trusted news and information on the health of the Bay Delta Estuary through website, conferences, newsletters, and new media efforts

GOAL 5

Identify and Develop New and Sustainable Funding Sources to Protect and Improve the Health of the San Francisco Bay Delta Estuary

ACTION TOPICS

1. Develop public-private partnerships
2. Amend Proposition 218 to provide a funding mechanism to flood control districts
3. Pass a Restoration Authority ballot measure
4. Seek legislation for new federal funding

EXAMPLE OF FULLY EXPANDED ACTION

ACTION 1.1 Increase native eelgrass populations in the San Francisco Bay	<p>Description: Increase native eelgrass populations in the San Francisco Bay by expanding coverage within existing eelgrass beds and/or establishing eelgrass beds in areas that have previously been extirpated.</p> <p>Outcome: By 2021, expand native eelgrass acreage by at least 50 acres from 2014 baseline acreage of 2,790 acres</p> <p>Measurement Tool or Metric: Acreage of eelgrass beds in San Francisco Bay</p>
BACKGROUND	<p>Native eelgrass (<i>Zostera marina</i>) performs a wide variety of functions in the Bay. Eelgrass beds provide shelter and food to small fishes of a variety of species, such as pipefish, kelpfish, staghorn sculpin, and multiple other species that are either bay resident, or which transit through the bay during portions of their life history. Eelgrass provides food for various species of birds both directly and indirectly. Eelgrass is also used as a preferred substrate for spawning by Pacific herring. Eelgrass beds mute wave energy, slow currents and trap sediment, reducing turbidity and shoreline erosion.</p> <p>Eelgrass beds are subject to many threats over short and long time scales. In the Bay, eelgrass beds are strongly limited in maximum depth by allowable light penetration associated with turbidity of the water. In the Bay, turbidity of the water is related to both large-scale factors such as sediment supply from tributaries, as well as local effects such as increased turbidity from dredging and shipping activities. In addition, hardened shorelines reflect waves and increase their effects, which can break up eelgrass beds. The most recent decline in eelgrass bed coverage in the Bay raises concerns about the large-scale, long-term stability of eelgrass in the Bay, and the resulting potential loss of functions and services provided by eelgrass beds.</p>
RELATIONSHIP TO OTHER REGIONAL DOCUMENTS	<p>The <i>San Francisco Bay Subtidal Habitat Goals Report</i> (Subtidal Goals Report) produced in 2010 contains restoration goals for native eelgrass in San Francisco Bay. The Subtidal Goals Report determined that the restricted extent of eelgrass beds may be limiting their support of valued ecosystem services and, furthermore, that restoration of eelgrass beds has been demonstrated and is feasible.</p>
OWNER(S)	<p>Multiple</p>
SFEP ROLE/ SotER LINK	<p>State of the Estuary Report includes native eelgrass as an indicator and is tracking native eelgrass populations.</p>
ACTION TYPE	<p>Implementation</p>

Road Map for Upcoming IC Meetings

August 2015

Potential

- Prop 1 update on new funding guidelines or opportunities (Harry Seraydarian)
- GreenPlan Bay Area project overview (Jennifer Krebs, Josh Bradt, SFEI)

Confirmed

- CCMP revision: draft CCMP actions
- State of the Estuary Report: draft final document
- State of the Estuary Conference 2015 planning
- IRWMP Round 4 application briefing: submitted projects

November 2015

Potential

- Update on Wetter or Not conservation recommendations
- Resilient Shoreline Planning through Bay Area Regional Collaborative
- SFEI's Clean Vessel Act Program (boating outreach)

Confirmed

- CCMP revision discussion: public comment received, suggested revisions
- State of the Estuary Conference 2015 debrief and accomplishments
- NEP program review findings
- Discuss nominations for Chair/Vice Chair positions; selection in March 2016; new terms take effect May 2016
- Set calendar for 2016 meeting dates

March 2016

Potential

- San Pablo Avenue Stormwater Spine project completion overview

Confirmed

- Draft work plan
- Select Chair/Vice Chair positions for 2016-7, to take effect in May
- CCMP revision: finalizing the document