

**SEMI-ANNUAL PROGRESS REPORT
ASSOCIATION OF BAY AREA GOVERNMENTS
for
NEP- SAN FRANCISCO ESTUARY PARTNERSHIP
Cooperative Agreement # CE-00T47801-3**

Period 8: April 1, 2014- September 30, 2014

EPA Funds Expended	Total Grant
Grant Amount & Amendments 1-4	3,076,134.00
Spent Prior Periods	2,176,635.69
Expended This Period 04/01/14-09/30/14	244,009.01
Total Spent	2,420,644.70
% Spent	79%
Grant Balance	655,489.30

Work Plan is organized around the SFEP Strategic Plan Goals and Objectives

Notable SFEP Events/Major work efforts for this reporting period included:

- Five small grant projects were completed, bringing the San Francisco Estuary Partnership Small and Micro Grants Program to its completion. All projects details and final reports summaries are posted on SFEP website [<http://www.sfestuary.org/our-projects/watershed-management/small-grants-release/>].
- Continuing work on 2015 State of the Estuary Report to update the 2011 State of the Bay Report which evaluated indicators of ecological health to determine estuarine condition.
- Continuing work on 2016 CCMP Update including establishing topic area subcommittees attribute areas.
- Assist Bay-Delta Science Program with planning and coordination for 2014 Bay-Delta Science Conference October 28-30, 2014 in Sacramento.

Key goals/asures of success/results [from Strategic Plan]

<u>Goal</u>	<u>Report Results</u>
Improve Water Quality	SFEP sponsored boating pump-out days preventing 5,980 gallons of sewage from entering Bay-Delta waters
Increase Watershed Health	From April 2014 to September 2014, 7 small grant projects were completed, bringing the San Francisco Estuary Partnership Small and Micro Grants Program to its completion.

GOAL 1: FOCUS COMPREHENSIVE PLAN IMPLEMENTATION ON FOUR KEY OBJECTIVES

Objective 1- Promoting integrated watershed stewardship

IRWMP Implementation Grant-Phase 1 (DWR-Prop 84)-Watershed Coordinator

- Finalized project and drafted project completion report for review by BACWA and DWR. Waiting for approval of completion report.

IRWMP Implementation Grant-Phase 2 (DWR-Prop 84)

- SFEP/ABAG received an executed grant agreement from the Ca Dept. of Water Resources on July 16, 2014 to manage implementation of 19 regional projects.
- SFEP drafted and submitted 19 Local Project Sponsor agreements to the sponsoring agencies and coordinated work plans, budgets, deliverable timetables, etc.

Project	Local Project Sponsor
Bay Area Regional Conservation and Education Program	Zone 7 Water Agency (Zone 7)
East Bayshore Recycled Water Project Phase 1A (Emeryville)	East Bay Municipal Utilities District (EBMUD)
Lagunitas Creek Watershed Sediment Reduction and Management Project	Marin Municipal Utilities District (MMWD)
Marin/Sonoma Conserving Our Watersheds: Agricultural BMP Projects	Marin Resource Conservation District (Marin RCD)
Napa Milliken Creek Flood Damage Reduction and Fish Passage Barrier Removal	Napa County
North Bay Water Reuse Program – Sonoma Valley CSD 5th Street East/McGill Road Recycled Water Project	Sonoma Valley County Sanitation District
Oakland Sausal Creek Restoration Project	City of Oakland
Pescadero Water Supply and Sustainability Project	San Mateo County
Petaluma Flood Reduction, Water & Habitat Quality, and Recreation Project for Capri Creek	City of Petaluma

Redwood City Bayfront Canal and Atherton Channel Flood Improvement and Habitat Restoration Project	City of Redwood City
Regional Groundwater Storage and Recovery Project Phase 1A – South Westside Basin, Northern San Mateo County	San Francisco Public Utilities Commission (SFPUC)
Richmond Breuner Marsh Restoration Project	East Bay Regional Park District (EBRPD)
Roseview Heights Infrastructure Upgrades for Water Supply and Quality Improvement, Santa Clara County	Roseview Heights Mutual Water Company (RHMWC)
San Francisco Bay Climate Change Pilot Projects Combining Ecosystem Adaptation, Flood Risk Management and Wastewater Effluent Polishing	Association of Bay Area Governments (ABAG)
San Francisco International Airport Reclaimed Water Facility	City and County of San Francisco (CCSF) – Airport Commission
San José Green Streets & Alleys Demonstration Projects	City of San José
San Pablo Rheem Creek Wetlands Restoration Project	Contra Costa Water District (CCWD)
St. Helena Upper York Creek Dam Removal and Ecosystem Restoration Project	City of St. Helena
Students and Teachers Restoring a Watershed (STRAW) Project – North and East Bay Watersheds	Point Reyes Bird Observatory Conservation Science (PRBO)

Chelsea Wetlands Restoration (EPA: Green Infill)

Ducks Unlimited has accomplishing the following milestones:

- Worked with the Sub-consultant to write the Project Description
- Discussed revised Section 408 guidelines with Consultant and Contra Costa Flood Control District to determine if additional revisions to project design and permit strategy are needed.
- Coordinated with PG&E for Land Transaction Details
- Complete Draft Section 408/Flood Encroachment Permit Application prepared
- Site Meeting with Contra Costa Flood Control District & Army Corp of Engineers
- Revised Section 408/Flood Encroachment Permit Application per the new 408 policy
- Modified project components per Army Corps comments on design

Bahia Marsh Restoration (EPA: Estuary 2100- Marin Audubon Society)

- All project tasks have been completed and the final report is currently being edited for EPA submission before the end of the calendar year. All thickets are surviving, despite the continued drought. These are expected to act as seed banks and as shelter for new plants colonizing the area around them.

Yosemite Slough Wetland Restoration (EPA: Estuary 2100) The BYE Team:

- All tasks have been completed with the exception of a final photo monitoring of the project site to document plant establishments. The final monitoring is scheduled to be completed by December, 2014.
- Bay Youth for the Environment is continuing to work with the California State Parks Foundation Park Champions Program and Hands-On Bay Area to support stewardship projects.

Yosemite Slough Wetland Restoration (EPA: Estuary 2100-2)

- California State Parks Foundation (CSPF) met with Department of Park and Rec (DPR) and DPR submitted a Capital Outlay Budget Change Proposal to the Department of Finance to extend spending authority for the balance of the Yosemite Slough project.
- DPR reviewed and provided comments on the 50% construction drawings.
- CSPF recognizes EPA's concerns that they may not be able to meet the deadline to expend all of their grant funding and they are working with SFEP and EPA to pursue possible options to re-program funds to advance wetlands restoration at Yosemite Slough.

Stream and Wetlands Protection Policy (EPA/SWRCB/Aquatic Science Center)

- All work was completed and the Final Project Report submitted on the EPA funded portion of the Stream Policy effort on June 30, 2014. The ASC contract was ended and funds reverted to the ASC upon ABAG staff transferring to the Regional Water Board.
- The Policy was developed to protect and restore the physical forms and ecological processes of stream and wetland systems from the headwater regions to the lowland river mouths that provide water quality functions which support beneficial uses. The project involved coordinated efforts between the North Coast and San Francisco Bay Water Boards and the California State Water Resources Control Board (State Water Board). Although the amendments for the two regions' Basin Plans establish stand-alone stream and wetland system protection programs in the North Coast and San Francisco Bay Regions, they will also integrate with a number of existing policies and ongoing efforts at the State Water Board and the Regional Water Boards. This project aimed to complete the Basin Plan amendment adoption process of the North Coast and San Francisco Bay Regional Water Quality Control Boards' *Stream and Wetland Systems Protection Policy* and begin development of key regulatory and non-regulatory tools to ensure successful Policy implementation. The San Francisco Bay Regional Water Board Basin Plan amendment has not been adopted and is currently being revised.

Stanley Reach Revegetation Project (EPA: Estuary 2100)

- 143 volunteers attended one or more workdays.
- UCC Interns logged close to 2000 hours of field time.
- Planting of Zone A (riparian zone) was completed with the planting of 1,770 trees, and watered using recycled water.
- Oak seedlings emergence was monitored with surveys. Replanting of 170 acorns in Zone C (woodland) was conducted as necessary to replace acorns that failed to germinate.

Watershed Scale Mapping – SFEI (EPA: Estuary 2100-2)

- SFEI (and SFEP) staff continued to work on GIS mapping tasks for local map stewardship, and continued the historical and contemporary shoreline change analyses.

- Science Support work: Since the ITAS work was not going to move forward, some of the remaining funding in Task 2 was reallocated to developing the BAARI Editor for local map stewardship.
- E2100 implementation mapping and local map stewardship: Staff continued to work on the GIS updates to BAARI as part of the local stewardship effort. This included local data integration of aquatic resource maps from the Santa Clara Valley Water District (Guadalupe River watershed), developing a method for and adding a TMDL data layer to BAARI for the Sonoma watershed, adding stream names for all 9 counties to be compliant with the National Hydrography Database (NHD) standards.
- Shoreline change study: Staff continue to work out data summary methodologies for web-based system to visualize project results and outcomes and assessing the historical and contemporary shoreline data to understand the potential trends in shoreline change. The objective during this phase is to look for patterns and trends related to shoreline modification and geomorphic processes. Staff are analyzing trends in shoreline processes and forms and summarizing them using basic statistical methods.
- SFEI demobilized the field work site and removed all monitoring equipment. They also completed data management and QAQC review for the project, and began writing the final report.

San Francisco Estuary Partnership Small and Micro Grants Program:

From April 2014 to September 2014, the following granted projects were completed, bringing the San Francisco Estuary Partnership Small and Micro Grants Program to its completion:

- **Rheem Creek Restoration Project**, Contra Costa County (The Watershed Project) – Volunteer removal of invasive species and creek revegetation with native plants. Educate volunteers about stormwater pollution prevention and the relation of creek stewardship activities with climate change adaptation.
- **New Leaf Watershed Science Projects**, Contra Costa County (Martinez Unified School District) – Support ecoliteracy projects, monitoring, public engagement, and climate change education initiatives.
- **“That’s the Tuolumne in my Tap!”** San Francisco, San Mateo and Alameda County (Tuolumne River Preservation Trust) – Implement education program for grades 4 through 6 in areas where the majority of the drinking water comes from the Tuolumne River.
- **Increasing Community-Based Watershed Stewardship in the Gallinas Creek Watershed and Facilitating Collaboration among Marin County Watershed Groups** (Gallinas Watershed Council) – Sponsor family activities, hikes, bike tours, and creek cleanups, and coordination of work with other watershed groups.
- **Supporting Volunteer-led Efforts at Sausal Creek Restoration Sites**, Alameda County (Friends of Sausal Creek) – Train and mentor volunteer leaders who will lead restoration work at several locations on Sausal Creek watershed.
- **SFEP Watershed Small Grants webpage** (<http://www.sfestuary.org/our-projects/watershed-management/small-grants-release>) has been updated to reflect the status of all the achieved projects.
- Presentation of the completed projects to the **Implementation Committee** on 08/27/2014.

Objective 2: Support Estuary resilience in the face of climate change

Flood Control 2.0: Rebuilding Habitat and Shoreline Resilience through a New Generation of Flood Control Channel Design and Management (EPA: WQIF)

- Held quarterly Core Team Meetings and a Full Team and Partner meeting.
- Mapped modern day fluvial-tidal interface and flood control channels and developed modern channel designations and classifications. Compared modern channels and channel classification with historical channels and channel classification.
- Collected and collated data from flood control agencies and published reports regarding available sediment supply data. Reviewed and analyzed data from seven creeks and developed estimated sediment bedload and sediment budgets for priority creeks.
- Developed a draft “Vision” for Novato Creek based on the workshop held in the previous reporting period.
- Completed historical ecology study for Novato Creek and developed draft report.
- Held Regulatory Workshop for Bay Area Flood Protection Agencies Association.
- Released a fourth podcast, on the Lower Novato Creek Project. The podcasts are available at <http://www.yourwetlands.org/podcasts.php> and links are also provided on partner websites.
- Presented project at various conferences, workshops and meetings.
- Completed and posted a Request for Proposal for the economic analysis of Flood Control 2.0 strategies.

Coastal Regional Sediment Management Plan (Department of Boating and Waterway funds)

- Activity continues to be on hiatus, funders arranging funding to analyze and recommend a governance structure for regional sediment management issues for the San Francisco to Pacifica ocean coastline and to provide public outreach for the planning process and the publication of the final report.

Creek Mouth Assessment Project (Section 320 funds)

- Preparation of a draft version of the Creek Mouth Assessment webpage that will allow the display of the creek mouth inventory data.

Integrated Regional Wetland Monitoring Analysis Project (CADFW)

- All work on this project was completed as of June 30, 2014. This project focused on synthesizing a range of information about tidal marsh restoration and native fish benefits. The four manuscripts and their associated conference posters were effective at addressing this question and, when all are published, are expected to make a significant impact on tidal restoration efforts as one component of actions aimed at recovering and sustaining native fish populations.
- Manuscripts included the following:
- *Macroinvertebrate prey availability and fish diet selectivity in relation to environmental variables in natural and restoring north San Francisco Bay tidal marsh channels.*

Authors: Howe, E.R., C.A. Simenstad, J.D. Toft, J.R. Cordell, and S.M. Bollens.

- *Zooplankton of tidal marsh channels in relation to environmental variables in the upper San Francisco Estuary.*
- Authors: Bollens, S.M., J.K. Breckenridge, J.R. Cordell, C.A. Simenstad, and O. Kalata.
- *Ecosystem-scale rates of primary production within wetland habitats of the northern San Francisco Estuary.*

Authors: Cohen, R., F. Wilkerson, A. Parker, and E. Carpenter.

- *Tidal wetlands revisited: An update on the importance of tidal marshes to native fishes of the San Francisco Estuary*

Authors: Brown, L.R., D. Austin, J.Z. Drexler, R. Stewart, S. Siegel.

Estuary 2100 Technical and Scientific Support for Project Monitoring - SFEI (EPA: Estuary 2100)

- SFEI has finished their project tasks and has submitted a final report to the EPA. All E2100 phase I project technical support needs have been met.

Stonybrook Creek (EPA: Estuary 2100)

- Completed 100% designs for the project and began to draft the RFP to begin a bid process.
- Received permit from California Department of Fish and Wildlife.
- Received 401 certification from the Regional Water Quality Control Board.
- Coordinated with the USFWS on Section 7 consultation.
- Continued outreach to landowners regarding the project and temporary access needs.

San Francisco Bay Living Shorelines (EPA: Estuary 2100-2)

- Project is proceeding well and as planned.
- Continuing monitoring activities as outlined in the grant agreement, and we will have our 2014 annual monitoring report completed 12/31/14.

Objective 3: Promote green infrastructure, reduce pollution from stormwater runoff

IRWMP Implementation Grant Phase 1-(DWR-Prop 84)-Regional Green Infrastructure

- SFEP staff participated in Green Infrastructure Work Group meetings on April 28 and June 2, 2014 to help the Water Board and municipal stormwater permittees come to agreement on the appropriate balance of LID/GI implementation and planning to be required in the next Municipal Regional (NPDES) Permit cycle.
- Executed Wilsey-Ham design & construction support services contract agreement in May 2014.
- Design Team prepared 90% Design Packages for all sites. SFEP staff transmitted design packages to city partners on June 13, 2014, with comments due back by August 1, 2014.
- Submitted requested letter of clarifications requested by DIR for LCP application approval 6/23/14.
- SFEP staff met with high level planners at the Association of Bay Area Governments on June 25, 2014 to further on-going conversations about including green infrastructure as an element of *PlanBayArea*, which establishes Priority Development Areas under the region's Sustainable Communities Strategy.
- SFEP staff met directly with staff from the Cities of El Cerrito, Berkeley, San Pablo, Oakland,

and Richmond, as well as CalTrans representatives to resolve 90% design package comment issues.

- Promoted Green Infrastructure awareness at the El Sobrante Stroll Street Festival on San Pablo Dam Road on September 21, 2014.
- Toured EPA contingent at various sites on September 26, 2014 to discuss project, challenges of Regional Green Infrastructure planning & implementation, and vision for overcoming barriers.
- Held conference call with City of Campbell to discuss Green Infrastructure signage for Spine and Campbell sites.

Senador Mine Remediation (EPA: Estuary 2100)

- The final 100% for construction designs have been completed and are being reviewed by permitting agencies. Applications for permits to the Waterboard and the Army Core of Engineers have been submitted and are expected in early 2015. Construction is scheduled for the 2015 season.

Calcine Paved Roads Remediation Project

- Santa Clara County Parks and Recreation Department has submitted their 90% designs to the Regional Waterboard for review before continuing on to the 100% phase. The construction for this project is planned for 2015 but may be delayed to 2016 due to delay in the review process.

North Bay Watersheds

North Bay TMDL Implementation: (EPA: Estuary 2100-2)

Marin County/Napa County RCD/Sonoma Ecology Center/South Sonoma RCD

Marin Municipal Water District

Submitted 3 project invoices.

North Bay Watershed Association

- NBWA Organized updates on all four projects-Marin, Napa RCD, Sonoma RCD, and SEC, for NBWA Watershed Council held on September 18, 2014. Agenda, presentations and meeting summary posted on NBWA web site.

Marin County

- A ribbon-cutting and stewardship day was held on June 11, 2014. Local stakeholders including: staff and elected officials from City of Mill Valley and the County of Marin, Mill Valley Park Commissioners, creek and environmental groups, STRAW classes, and neighbors were treated to a BBQ and tour of the site. Storm drains were marked with stainless steel markers. A restoration slideshow was created for the event.
- Story map concepts were developed. A TMDL-specific map connects watershed activities with resulting pathogens inputs to Richardson Bay. Final design and color choices will match the look for the Southern Marin Watershed Guide.
- Marin County continued maintenance and monitoring of the restoration site and gave a project update presentation for the NBWA board.

Napa County RCD

- NCRCD staff met with staff from Mendocino RCD, Sonoma RCD, and Gold Ridge RCD to discuss and draft an MOU between the agencies for implementation of the LandSmart Program. The MOU was executed by all four RCDs in July 2014. NCRCD staff has prepared an MOU with NRCS for implementation of LandSmart Farm Planning. NCRCD staff presented a project update to the NBWA Watershed Council and also gave a presentation about LandSmart and TMDL implementation to the WICC Board.
- NCRCD staff submitted a request for a DFW 1600 streambed alteration agreement for a roads project. The draft agreement with conditions has been received and agreed to by NCRCD. NCRCD is completing environmental review for the project and discussion permit options with Water Board staff.
- NCRCD staff repaired for and participated in a technical advisory committee of stakeholders in the Napa River and Sonoma Creek watersheds regarding farm planning to meet pending regulatory requirements of the Water Board. Region 1 and Region 2 Water Board staff, RCD staff from Napa and Sonoma, Sonoma Ecology Center staff and a number of individual growers and representatives from agricultural industry groups were in attendance. Napa RCD staff helped coordinate and deliver a series of LandSmart Farm Planning workshops (3 workshops total) for growers in Sonoma and Napa river watersheds.
- NCRCD staff worked with Marin Municipal Water District staff and conducted a roads workshop in Marin County. In attendance were staffs from multiple public agencies in Napa, Sonoma and Marin Counties. The focus of the workshop was road-related sediment inputs into stream systems. The workshop included indoor and field presentations and provided an opportunity for the multiple public agencies to have a focused discussion on the topic, how sites are evaluated, and factors related to project implementation. NCRCD revisited property in Redwood Creek watershed where road improvements were implemented in 2013 to ensure that they were operating properly.

Sonoma Ecology Center

- SEC staff maintained all restoration sites, performing weed control, irrigation repairs and inspections at restoration, stormwater management, and willow revetment sites. Staff begun final monitoring and photo documentation of these sites for the project. Submitted plant list and management plan for restoration sites.

Sonoma RCD

- SRCD has continued to work with the engineer ,O'Connor Environmental, and the San Francisco Estuary Institute to develop a final QAPP. A conditional approval from EPA was received on June 18, 2014 in order to begin construction and a final approval on the QAPP was received July 30, 2014.
- SRCD obtained permits from the San Francisco Bay Regional Water Quality Control Board, Army Corps of Engineers, CA Department of Fish & Wildlife and the County of Sonoma Permit and Resource Management Department for the Vineyard Stormwater Enhancement Project. SRCD initiated and completed a competitive bid process for the construction contractor which included a mandatory site tour and compliance with DBE requirements. Sonoma RCD worked with a tribal monitor as a requirement of the ACOE permit to oversee construction activities.
- SRCD completed a competitive bid process for a construction contractor and awarded the contract to Wylatti Resource Management Inc. and construction took began and was completed within the first two weeks of July 2014. SRCD worked with a tribal monitor

that oversaw construction activities as a requirement of the ACOE permit. The planting plan is planned to be implemented after first rains this Fall.

- **Grazing Waiver Assistance:** There has not been additional demand for services related to the grazing waiver. The two landowners interested in road assessments opted to wait until the vineyard WDR requirements are clear so that they can be sure that their roads assessment complies with both. (both those landowners have both grazing and vineyard)
- **Vineyard Waiver Assistance:** Conditional Waiver was not adopted by the Regional Water Board. They are instead pursuing general Waste Discharge Requirements (WDRs). The Sonoma and Napa RCDs have continued to work closely with the Regional Water Board to assure that LandSmart Farm Water Quality Plan materials will meet requirements of the WDRs when adopted.

Recreational Boating Pump-out Project (DBW)

- SFEP had a booth at the Strictly Sail Pacific Boat Show, April 10-13, 2014, and distributed 160 Clean Boater Kits, 195 San Francisco Bay Pumpout Maps and 202 Delta Pumpout Maps.
- Karen McDowell and James Muller attended the Statewide Clean Vessel Act (CVA) Meeting, hosted by The Bay Foundation (TBF), on Catalina Island in California, June 19-20, 2014. The main goal of this meeting was share ideas between the CVA education programs in the state. The meeting included a site visit to the marina with the oldest dye tablet program in California, Avalon Harbor. Experiences from Catalina's dye tablet program can be incorporated into SFEP's Marina Best Management Practices (BMP) project and other outreach efforts.
- SFEP worked with BayGreen to host the SF Bay Honey Pot Day on June 22, 2014. This event provided free pumpouts at the Summer Solstice event at Treasure Island. We offered free pumpouts, presented clean boating information, and distributed informational materials to 10 vessels, pumping a total of 160 gallons from the sewage holding tanks.
- Karen McDowell and James Muller attended the Clean Marinas Program (CMP) Board Meeting in San Diego, June 25, 2014 formally introduce the Marina BMP Project. Several of the board members volunteered to assist us on the technical advisory committee and in introducing the program to the CAHMPC and the MRA. SFEP plans to use these organizations as invaluable resources to steer this effort in a direction that will yield useful products and resources to marinas and will avoid duplicating ongoing efforts.
- SFEP partnered with Septic Brothers to host a Delta Honey Pot Day on July 4th at Mandaville, Three River Reach, and the Delta Yacht Club. Septic brothers provided outreach to 50 boats and pumped a total of 3,075 gallons from the sewage holding tanks.
- SFEP and the Division of Boating and Waterways attended the West Marine Opening in Marin on August 1, 2014 and educated boaters, administered surveys, and distributed the Bay and Delta Pumpout Maps.
- SFEP partnered with Septic Brothers to host a Delta Honey Pot Day on August 31, 2014. This event including working with the Sea Ray Boat Club of Northern California and to pump out any other boats in the area. Septic Brothers pumped out a total of 62 boats and properly disposed of a total of 2,745 gallons of sewage. The boaters serviced were educated on the implications of dumping sewage in the delta, the regulations regarding sewage discharge, and were given clean boating resources.

- Conducted two quarterly pumpout surveys that assess the functionality of pumpouts and record their use.

Aquatic Invasive Species

- SFEP's long term work with the Western Regional Panel on Aquatic Nuisance Species (WRP) and the Aquatic Nuisance Species Task Force (ANSTF) has led to the following key activities and documents:
 - The American Boat and Yacht Council (ABYC) held an AIS Summit September 9-10, 2014 at Lake Minnetonka, MN. The goal of the Summit was gather a broad collation of experts to discuss new boat designs to reduce/prevent the spread of AIS.
 - Voluntary Guidelines to Prevent the Introduction and Spread of Aquatic Invasive Species: Recreational Activities:
[http://www.anstaskforce.gov/Documents/AIS Recreation Guidelines Final 8-29-13.pdf](http://www.anstaskforce.gov/Documents/AIS_Recreation_Guidelines_Final_8-29-13.pdf)
 - Voluntary Guidelines to Prevent the Introduction and Spread of Aquatic Invasive Species: Water Gardening:
[http://www.anstaskforce.gov/Documents/ANSTF Water garden steps FINAL 9 23 13.pdf](http://www.anstaskforce.gov/Documents/ANSTF_Water_garden_steps_FINAL_9_23_13.pdf)
 - Classroom Guidelines for Preventing the Introduction and Spread of Aquatic Invasive Species (AIS):
http://anstaskforce.gov/Documents/ANSTF_Classroom_Guidelines_Final_10_24_13.pdf
- Karen McDowell has served as a member on the Coastal Committee for Western Regional Panel on Aquatic Nuisance Species. The focus of the committee has been to work on biofouling issues and in particular invasive tunicates. A workshop on invasive tunicates was held August 6-7 in Seattle Washington. A final report was produced. The next step identified was to develop a regional marine invasive species management plan for the west coast (probably limiting the scope of the plan to fouling species).
- Ballast Water Management Program, California State Lands Commission's Marina Invasive Species Program. Karen McDowell continued to work with the Technical Advisory Group to develop a plan to help expedite the implementation of the ballast water discharge standards.

Fremont Tree Well Filters Monitoring (EPA: Estuary 2100-2)

- SFEI monitored five storm events in Fremont for the tree well filters (fall 2013 – winter 2014). SFEI is writing report on the effectiveness of the Tree Well filters to reduce pollutant loading to storm drains as well as slowing flow.
- The outreach sign is currently being designed and will provide information on the purpose and operation of the tree well filters.

North Richmond Pilot to Treat Dry Weather Flows (EPA: Estuary 2100-2)

- Contra Costa County resolved budget issues and developed a revised project description that met the requirements of the Municipal Regional NPDES Permit requirements (C.11.f & C.12.f), conducted needed repairs to the pump station, and complied with the

requirements of the EPA grant. This process is memorialized in three nearly identical letters sent to WCWD, US EPA, and the SF Waterboard.

- The County is currently preparing plans, specifications, and engineer's cost estimate. 35% plans specifications and engineer's cost estimate (PSE's) and 70% plans and specifications were completed. Final PSE's should be completed in early 2015, followed by the advertisement and award of the contract. The preparation of plans specifications and engineer's cost estimate (PSE's) has taken longer than desired, due to budget constraints.
- The other main element of project permitting that was completed was the CEQA process. The County filed a Notice of Exemption for the Pump Station Diversion Project on September 11, 2014. The County will complete contract plans, specifications, and engineers estimate and advertise the repair project in the next period. The County will determine if West County Wastewater District (WCWD) intends to issue a formal permit for the diversion or rely on an existing agreement between WCWD and the County and an encroachment permit to tie the new pipe from the pump station to the sewer lateral on the adjacent street. If a formal application is desired, the County will submit it to WCWD for approval. Otherwise the construction contractor will only need to obtain an encroachment permit from WCWD. Construction is anticipated to occur in the summer and fall of 2015. The low flow diversion will occur immediately after construction is complete.

Newcomb Avenue Green Street (EPA: Estuary 2100)

- The City and County of San Francisco had two community working days (May and June) where Literacy for Environmental Justice, SFPUC and SF Planning joined community members in cleaning the block, planting new plants, replacing planter substrate, and both ended with a community enrichment barbeque. The event in June the director of the San Francisco Department of Public Works, Mohammed Nehru, distributed certificates of appreciation to the community and Supervisor Cohen made a surprise appearance to thank the community.
- CCSF has completed all project tasks and is currently editing their final report for EPA submittal.

Greener Pesticides for Cleaner Waterways (EPA SFBIF 2012)

- Initiated market analysis assistance project with pro bono provider Catchafire. Additional projects will include communications support and marketing work.
- IPM Advocates wrapping up in-store support work as of October 2014.

Objective 4: Champion the Estuary (EPA-NEP and grants)

ESTUARY NEWS June 2014

The June issue tackles new science on steelhead and mercury in restored salt ponds and screening irrigation intakes to protect endangered sturgeon. It explores options for getting more sediment to North Bay restoration sites, controlling invasive chamomile, and adapting to climate change on the ground. It also drills down into the details of balancing demand on groundwater with recycling and conservation in light of drought. Other stories cover Bruener Marsh, Ora Loma Sanitary District, and UC's new Vernal Pool reserve.

ESTUARY NEWS September 2014

The September issue delves into new science on how to identify plankton species by color, new surveys on the spread of invasive sea lavender, and surprising findings concerning PCB levels in small fish. It covers the disappointing end to a bid for Wild and Scenic River status for the Mokelumne, and the slow pace of restoration along Alameda Creek. Other stories discuss the impacts of drought on valley wildlife refuges, protocols to make Delta restoration projects more efficient, and a new film about Pelicans.

STATE OF THE ESTUARY REPORT 2015 In partnership with lead consultant Dr. Letitia Grenier, staff initiated 2015 State of the Estuary Report with development of Work Plan and selection of Advisory Committee members in March which has since meet twice to provide SFEP with advice and guidance on which indicators to include in the 2015 update of the State of the Estuary Report and on how best to consider including new indicators that cover the legal Delta. Contracts for content support were prepared and are pending execution of the final State Revolving Fund agreement with the State Board for funding.

GOAL 2: REORGANIZE SFEP FOR GREATER EFFECTIVENESS (EPA-NEP)

Ongoing Activities managing 40+ implementation projects. This reporting period:

- Held meetings of the CCMP Revision Steering Committee, and finalized Topic Area Subcommittees to develop content for revision. Provided regular briefings to quarterly Implementation Committee meetings.
- Drafted/processed 36 new sub-recipient/consultant contracts and 8 contract amendments.
- Completed 8 ABAG Executive Board staff report items and 3 draft resolutions.
- Support Implementation Committee and Friends of the Estuary.

GOAL 3: INCREASE FUNDING AND RESOURCES TO SUPPORT SFEP AND ITS PARTNERS TO IMPLEMENT THE COMPREHENSIVE PLAN (EPA-NEP)

- ABAG/SFEP applied for a State Revolving Fund forgivable loan to assist with funding the 2014 State of Bay-Delta Science Report, the 2015 State of the Estuary Report, and the 2016 CCMP Update. Staff met with SWRCB representatives and provided numerous documents to support the application as well as extensive coordination with SWRCB staff.