

**SEMI-ANNUAL PROGRESS REPORT
ASSOCIATION OF BAY AREA GOVERNMENTS
for
NEP- SAN FRANCISCO ESTUARY PARTNERSHIP
Cooperative Agreement # CE-00T47801-2**

Period 5

Period 1	Period 2	Period 3	Period 4	Period 5		
10/1/2010 – 3/31/2011	4/1/2011– 9/30/2011	10/01/11 –3/31/12	10/01/11- 03/31/12	4/01/12- 9/30/12	10/10/12- 03/31/13	10/10/12- 03/31/13
ABAG #102183	ABAG #102183	ABAG #102183	ABAG #102194	ABAG #102194	ABAG #102194	ABAG #102216
\$800,000	\$800,000	\$800,000	\$598,800	\$598,800	\$ 598,800	\$597,334
28% spent (\$223,995.25) *	Spent Period 2 (\$376,210.75)	Spent Period 3 \$199,794	Spent Period 3 \$170,787	Spent Period 4 \$262,033	Spent Period 5 \$165,980	Spent Period 5 \$204,701.72
Total Spent	75% spent (\$600,206)	100% spent	28.5% spent	72% (\$432,820)	100% spent	34% spent

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

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

- Watershed Program issued Small Grants RFP to help protect and improve watershed health around the San Francisco Estuary for \$50,000 for 2013. SFEP received 24 proposals. Projects to be awarded by April 15, 2013.
- As of March 1, 2013, construction on the trash capture project finished.
- ABAG/SFEP submitted a \$20 million proposal to the California Dept. of Water Resources for Proposition 84 funding for 19 Bay Area Integrated Watershed Management projects.
- Bay- Delta Science Conference: SFEP organized and managed logistics for the 7th Biennial Bay- Delta Science Conference (formerly the CALFED Science Conference.) at the Sacramento Convention Center in mid-October 2012. Over a thousand scientists, policymakers, attended the three-day event, with the theme of “Ecosystem Reconciliation: Realities Facing the San Francisco Estuary,” featured 240 speakers and 150 poster exhibits.
- Began work on an updated Strategic Plan to cover the period 2013-2018 and presented drafts to the Implementation Committee in November 2012 and February 2013.
- Center for Research on Aquatic Bioinvasions submitted final report on *Littorina littorea* on November 7, 2012

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

<u>Goal</u>	<u>Results so far</u>
➤ Water quality improvements	<p>Pesticides use reductions and sediment loads reduced in Taking Action for Clean Water sediment efforts in Lagunitas watershed [completed];</p> <p>Work on <i>Got Ants?</i> and <i>Greener Pesticides for Clean Water</i> reducing purchase and use of pesticides. [Numbers to be evaluated as part of projects]</p> <p>Supported state and national AIS implementation</p> <p>39 farm plans certified in Napa implementing TMDL</p> <p>Trash reduction: 4,003 trash capture devices, 41 high-capacity devices installed.</p> <p>335 pumpout maps distributed; inspection of pump out facilities resulting in less sewage entering Bay/Delta</p>
➤ Support Estuary resilience	<p>Funded 50K small grants for on the ground results</p> <p>Bahia marsh/ Yosemite invasives out; natives in</p> <p>Pinole creek planting</p> <p>Collected/analyzed info for creek mouth assessment</p>

GOAL 1: FOCUS COMPREHENSIVE PLAN IMPLEMENTATION ON FOUR KEY OBJECTIVES

Objective 1- Promoting integrated watershed stewardship

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

- Distributed periodic email announcements of interest to BAWN members
- Planned and staffed a half day Annual BAWN Meeting on February 21st with speakers providing information on subjects including: low impact development/green infrastructure, restoration tools, watershed health and climate change resiliency, watershed restoration and the carbon market, and funding issues.
- Assisted with planning the second public workshop of the Bay Area IRWMP on January 28th and gave a presentation on financing sources and collaboration opportunities for small non-governmental organizations
- Maintained and regularly updated new BAWN website with improved mapper on website
- Represented SFEP at IRWM subregional meetings and at IRWM Coordination Committee meetings to coordinate with and build support for watershed groups

- Attended local watershed forum meetings throughout Bay Area
- Coordinated workplans, progress reports and invoices for IRWM Disadvantaged Community (DAC) projects
- Planned upcoming BAWN assessment methods workshop in May. Set date, location and finalized agenda, speakers and sponsors

Pinole Creek Restoration (EPA: Green Infill)

City of Pinole staff:

- Researched and meet with stakeholders on Railroad Avenue bridge removal & utility relocation
- Attended coordination meetings with several project partners including State Resources Agency, County Flood Control and Friends of Pinole Creek
- Obtained cost estimate for Railroad Avenue bridge removal and utility relocation

Restoration Design Group and Friends of Pinole Creek:

- Conducted creek restoration monitoring and additional planting

Chelsea Wetlands Restoration (EPA: Green Infill)

Ducks Unlimited:

- Completed a Memorandum of Agreement (MOA) with the Chelsea by the Bay Home Owners Association (HOA) to grant site control the City of Hercules (City) and Ducks Unlimited (DU) on a parcel owned by the HOA.
- Recorded with the County of Contra Costa a document stating that the parcels used for the project will not be developed or used for any mitigation.
- Provided Scope of Work to complete the restoration project.
- Reviewed and revised project estimate budget.
- Worked with the City of Hercules to complete a Site Specific Agreement (SSA) where the City will provide Operations and Maintenance of the project site for 25 years upon completion of the project by DU.
- Got grant amendment changing implementing partner to DU from CA Nat. Resources.
- Developed a RFP for the Phase II Soil Analysis and contacted several interested firms.
- Reviewed design constrains and developed the conceptual restoration plan further.
- Developed a request for Special Status Plant Survey for the Chelsea Wetlands project to meet the spring survey window.

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

- A total of 19 volunteers (and 66 total volunteer hours) planted 110 plants the first quarter on the eastern and western peninsulas
- An additional 6 volunteers spent 16 hours tending native plants installed last year
- The Watershed Nursery planted an additional 87 native lower elevation plants
- Higher elevation thicket species required modifications on site to increase survival rates including Dri-Water cylinders, mulch, and modest soil amendments.
- Weeding and Dri-Water replacement are scheduled to continue after the grant to ensure increased success of these thickets.
- 50 invasive plants were removed from approximately 8 acres by 15 volunteers who worked for a total of 29 hours
- MAS has completed a draft of the final report but has postponed the delivery until the project has completed. Due to leftover budget of approximately \$10,000, MAS is

undergoing a contract modification to expand the scope and schedule of their project with EPA approval.

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

- Led a group of 11 volunteers to plant over 200 propagules.
- Worked with an USF undergraduate study to create outreach tools for volunteer recruitment and to meet stewardship goals.
- Cohosted a graduation event for 11 youth that completed a Greenagers Youth Environmental Group internship that works with youth to strengthen the environment and communities.
- Hosted two service learning events in February, one for Downtown High School and the SF Boys and Girls Club, totaling 28 youth.
- Participated in a monthly avian census with the Golden Gate Audubon Society in February and in a film interviews with UCB students re: environmental justice.
- Participated in community discussions regarding community outreach to build greater stewardship in CPSRA and how to develop service learning opportunities.
- A service learning program in the park hosted 47 youth from a Mercy High School. Five BYE youth participated in this program in 2012.
- Youth and interns have exceed the goal of planting 5,000 plants on the Yosemite Slough Restoration site and are up to 8,000
- Youth continued to care for natives in stock and collected/ processed seeds to use on site; weeded, tended, community garden, greenhouse, compost system, plots and nursery.

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

- State Parks released their General Plan which includes changes to the originally planned area– the Parks Department has taken back a small percentage of the acreage allotted to the project (all upland acreage)
- The cost analysis for the project was completed and were significantly higher than anticipated due to the higher elevation of the land on the south side which will require significantly more grading (and off site hauling of material)
- Consultants for the project are currently re-scoping to reduce costs and account for the General Plan changes. Fundraising has been put on hold.

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

- Attended multiple technical workgroup meetings (e.g., State Board Bio-objective workgroup, Baylands Ecosystem Habitat Goals Update workgroup, technical advisory team for stream and riparian area definition) to coordinate various wetland protection efforts and implement emerging strategies in State Water Board Wetland Policy.
- Continued drafting Staff Report and Response to Peer Review Comments documents for a State Water Board wetland definition and delineation method (expected completion and public posting June '13).
- Continued drafting State Water Board Phase 2 Wetland Policy scoping note.
- Continued discussions with State Water Board, USEPA, and Regional Water Boards on developing pilot project to test Phase 2 Wetland Policy water quality standards.
- Strategized with managers at Region 2 Regional Water Board on finalizing Basin Plan

amendment for public review and comment.

Aquatic Invasive Species (EPA: Estuary 2100/NEP)

- Center for Research on Aquatic Bioinvasions submitted final report on *Littorina littorea* on November 7, 2012. While re-invasion remains a problem, all grant work under the contract was completed.

Stanley Reach Revegetation Project (EPA: Estuary 2100)

- UCC staff: assisted in preparation of construction bid packets and bid process
- Developed QAPP which was approved by EPA in February
- Worked with PRBO Conservation Science staff to adapt their Riparian Bird Index to eastern Alameda county to measure long-term change in riparian habitat at the Stanley Reach site
- Recruited four expert volunteer birders to initiate riparian bird monitoring
- Met with faculty and staff from Las Positas College to discuss internship program

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

- SFEI continued its work on the local stewardship methodology after integrating the SCVWD and Sonoma Creek watershed hydrology data into BAARI
- SFEI has been working with Marin County to integrate their hydrology data into BAARI. SFEI has also been working with Napa County to compare data sets, a process that has ultimately led to Napa's designation as another steward of BAARI.
- An evaluation of a USGS conflation tool for integration has also been completed to assess the possibility of using it to integrate local data into BAARI.

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 Meeting
- Commenced synthesis of historical stream-shoreline interface
- Commenced coarse sediment supply analysis
- Drafted methodology for doing review and analysis of applicable policies and regulations
- Submitted permit applications for San Francisquito Creek project
- Collected preliminary data for Novato Creek historical ecology study
- Developed and refined project outreach and communication strategy

Creek Mouth Assessment Project (Section 320 funds)

- Completing data collection and analysis for approximately 70 creeks around the Bay (to date 80% of the data collected) on various aspects of the creek mouth, including: historic and current conditions; restoration projects; presence of native and invasive species; endangered species; water quality; and land use and ownership.
- Partnering with the San Francisco Estuary Institute to provide GIS treatment for approximately 50% of the data.

- Launched Creek Mouth Assessment Project webpage on November 19, 2012 on SFEP website at <http://www.sfestuary.org/our-projects/watershed-management/creekmouth/>
- Gave multiple presentations to interested parties in order to gather information and share the project goals and objectives: San Francisco Bay Joint Venture (11/07/2012); Contra Costa Watershed Forum (01/09/2013); Bay Conservation and Development Commission (01/22/2013); Bay Area Watershed Network (02/21/2013); and the San Francisco Regional Water Quality Control Board (03/26/2013).

Green Infill Clean Stormwater Monitoring (EPA: Green Infill) SFEI:

- QAPP Complete
- Stormwater Quality Monitoring in San Mateo Complete
- Pinole Creek Monitoring Complete; draft final report under review by SFEP/EPA

Integrated Regional Wetland Monitoring Analysis Project (DFG)

- Wetlands and Water Resources presented posters at 7th Biennial Bay Delta Science Conference: The Integrated Regional Wetland Monitoring Pilot Project: Program Introduction; also A reassessment of the role of tidal wetland restoration in enhancing populations of native fishes
- SFSU and GSU presented poster at 7th Biennial Bay Delta Science Conference: Ecosystem scale rates of primary production within salt marsh habitats of the northern San Francisco Estuary
- USGS continued literature search related to Tasks 2 and 4.
- Continued work on article incorporating Tasks 2 and 4

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

- SFEI worked with UCC and Zone 7 to on the modifications to the scope of work to their project and QAPP development. The QAPP was approved by the EPA 02-07-2013.
- SFEI continued working on the technical report that that will focus on Save The Bay's Transitional Ecotone project and the products and lessons learned
- SFEI, CCSF, and SFEP have continued conversations regarding a third year of monitoring at the Newcomb Avenue sight to capture post construction correction stormwater data. SFEI plans to analyze this data as it is currently doing for the first two years and supply all data to the CCSF to further its city wide modeling efforts.
- SFEI currently has the following left to complete in their contract:
- QAPP development for Stanley Reach and Senador Mine
- Year 3 of monitoring for Newcomb Avenue

Corte Madera Creek Wetland Adaptation Project (EPA: Estuary 2100)

- BCDC has received all final technical reports and has submitted a final report to SFEP and the EPA for review
- The project is expected to wrap up in the next reporting period and will conclude with a final report, several presentations to stakeholders and a two page outreach document to assist planners and decision makers utilize the report in their SLR adaptation measures

Stream Channel Design Curves (EPA: Estuary 2100)

- SFEP and the EPA has reviewed and approved the final report. The data from this report and all other stream channel design curves from around the bay will be housed on SFEP's website as a central repository. SFEP is working with the regional water board to develop proper text and material to be posted to the site.

Stonybrook Creek (EPA: Estuary 2100)

- Developed timeline and methodology for completing QAPP
- Circulated for review a draft full habitat assessment (conducted by Center for Ecosystem Management and Restoration) and accompanying report (by Michael Love and Associates) that evaluates the existing barriers for retrofits
- Continued to monitor stream gages to monitor flows in Stonybrook Creek
- The ACRCDD and the NRCS (in partnership with Alameda County Public Works Agency, CEMAR, Michael Love and Associates, the CA Department of Fish and Wildlife, and the National Marine Fisheries Service) selected a project plan that includes a retrofit at the first full barrier and a full bridge replacement at the second full barrier
- Began working with a design firm to provide design services for the project and to complete and updated cost estimate

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

- Post-project monitoring has been occurring since construction, including: physical (sediment,), water quality (temperature, salinity, pH, dissolved oxygen, chlorophyll a), avian surveys, benthic and epibenthic invertebrates, fish surveys via trapping, oyster and eelgrass recruitment, growth, density, and survival
- Acoustic receivers were placed at the San Rafael site in December 2012 to track tagged fish as part of the state acoustic fish consortium project; and a herring spawning survey was conducted at both sites.
- Data collected from Oct 2012 through March 2013 is currently being analyzed, and monitoring activities are ongoing

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

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

- SFEP staff presented Spine Project and El Cerrito Green Streets Project at LID Conference sponsored by the Dry Creek Conservancy in Roseville, CA on October 25, 2012 and at the Northern California Chapter Annual Conference of the Association of Public Works Agencies in Richmond on November 8, 2012
- Schematic Designs completed. SFEP coordinated day-long workshop on November 27, 2012 for City representatives to review and provide feedback. Topographic surveys and revised schematic designs complete for all sites in January 2013
- Cooperative Agreement with Caltrans executed on December 5, 2012
- Convened Tech. Advisory Grp. to review schematic designs -monitoring approaches: Jan 2013
- Developed Contract Agreements with the San Francisco Estuary Institute for Water Quality Monitoring Services (February 8, 2013) and with the Bay-Friendly Landscaping and Gardening Coalition for technical support (March 28, 2013)

- SFEP staff presented on Green Infrastructure and San Pablo Avenue Spine project at Bay Area Watershed Network annual meeting on February 21, 2013
- Door-to Door Outreach with revised schematic designs conducted February 25-28
- Bay-Friendly Rater RFP released on March 4, 2013.
- CEQA Categorical Exemption determination approved by Executive Board of ABAG (Lead Agency) on March 19, 2013. Notice of Exemption filed with Alameda and Contra Costa County Clerks on April 10, 2013.
- SFEP staff met with Contra Costa County Supervisor Gioia on March 27, 2013 to discuss various Green Infrastructure opportunities the County may pursue for San Pablo Dam Rd in El Sobrante, an unincorporated area.
- SFEP staff was interviewed by Joint Policy Committee Staff to contribute to *Bay Area Integrated Win-Win Strategies: Strategies for Building Resilience and Reducing Greenhouse Gas Emissions*. The document was published on March 20, 2013 and is available for download at <http://www.abag.ca.gov/jointpolicy/pdfs/Task%207c2%20Win%20Win%20Strategies.pdf>.

Senador Mine Remediation (EPA: Estuary 2100)

- A contract for the implementation phase of the Senador Mine project has been signed by both parties.
- SCCPRD continues to move forward with developing design plans and obtaining permits
- Construction is expected in 2014

Hicks Flat Mercury Remediation (SWRCB 319h)

- MROSD working on bid package for construction prior to legal review.
- Remedial grading expected in August-September.

State Water Board Statewide TMDL Support: Janet Cox-SFEP (SWRCB) October 2012 – March 2013

- Supported the statewide TMDL Roundtable, which includes TMDL managers from all nine regions of the State Water Resources Control Board. The Roundtable meets monthly. SFEP participates in the Roundtable, assists in agenda development, prepares meeting notes, maintains a rolling list of action items, and prepares meeting summaries for State Water Board upper management. These are ongoing roles for SFEP.
- Maintained and updated the TMDL intranet for Water Board staff.
- Redesigned the webpage for the statewide TMDL Program on the Water Board's public website (changes not yet implemented).
- For the statewide Mercury Policy (now under development), SFEP participated on the Steering Committee, weighing in on stakeholder relations issues and the Policy process's compliance with the California Environmental Quality Act (CEQA). This is an ongoing project.
- Provided general editorial support and advised individual regions on CEQA aspects of proposed TMDLs/Basin Plan amendments. This is an ongoing role for SFEP.

San Francisco Regional Water Board TMDL Support: Janet Cox-SFEP (SWRCB) October 2012 – March 2013

- Supported Region 2 in development of a proposed waiver program for Waste Discharge Requirements for vineyard properties in Napa and Sonoma counties, implementing the

sediment TMDLs for the Napa River and Sonoma Creek watersheds.

- SFEP prepared fact sheets and online reporting forms, as well as providing editorial comments on the tentative Resolution and other elements of the Water Board agenda package. Note that the project has been delayed as Board staff addresses stakeholder comments.

Implementing the Fine Sediment TMDL in the Napa River Watershed (Fish Friendly Farming) (EPA: Estuary 2100-2)

- CLSI held four BMP workshops in February and March with a total 30 participants representing 41 sites
- Created and reviewed necessary documents for 25 sites in Napa County. Farm plans were finalized for 56 sites this period, 39 of which were certified. An additional 13 are expected to be certified in April. The remaining 5 were delayed due to time constraints of the participating growers
- Planning for the conference has continued. Venues have been scoped out and speakers have been contacted for participation.

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

- Organized progress update meeting for NBWA Watershed Council on April 5 and May 7, 2013

Marin County

- Developed an MOU between the City of Mill Valley and the County and developed contracts and plans to implement the revegetation plan as well as to finalize the construction designs to 100%
- Developed Bid Packet for the creek restoration project.
- Developed and received approval for a Monitoring Plan and QAPP for watershed health.
- Installed and tested monitoring equipment in Richardson Bay
- Completed topographic survey and 50% of engineering design for Boyle Park
- Submitted permit applications to CA DFW, SF RWQCB and U.S. Army Corps.

Napa County RCD

- Completed road assessments for 10.8 miles of road in the Redwood Creek watershed and identified appropriate road treatments.
- Prepared and delivered a presentation to the WICC of Napa County in November 2012 regarding the influence of roads in the watershed and specific projects implemented to reduce sediment delivery.
- Prepared a draft update to the NBWA indicators report and provided it to members of the habitat/floodplain tech. committee for review (January 2013). Staff participated in a meeting of an NBWA subcommittee to provide a project update.
- Continued to coordinate with SSRCD regarding development of the LandSmart Program

- for conservation planning, projects, and youth education (www.landsmart.org).
- Prepared a draft table of contents and edited 4 of 8 sections in the farm plan template.

Sonoma Ecology Center

- Implementation QAPP approved by EPA
- Continued implementation of 18 sites including winter planting, maintenance of revetments, irrigation and weed control.
- Continued attendance and participation in regional events, meetings, and partnership building with regional agencies and watershed partners.
- Continued work on BMI analysis
- Secured encroachment permit for Lawndale swale

Southern Sonoma RCD

- Worked with UCCE to assist eight landowners on the conditional grazing waiver. Coordinated with the Regional Board, local stakeholders, partners and vineyard landowners/managers on the upcoming conditional vineyard waiver program, including hosting an informational workshop on 12/18/12.
- Sent an RFP out to bid, and facilitated bidding process, for engineering services for the Vineyard Stormwater Enhancement Project. Currently reviewing two bids
- Coordinated with the Grant Manager regarding the competitive bid grant requirement and DBE process. Met with the landowner to review the draft RFP and discuss next steps and the bidding timeline.
- Continued outreach regarding services available through the RCDs Slow it, Spread it, Sink it (S3) stormwater management program. Attended a Sonoma Valley Groundwater Management Program technical advisory committee meeting.
- Conducted LandSmart public outreach on services available, fielded many inquiries about the vineyard waiver and provided updates on the status of the vineyard waiver to 12/18/12 workshop participants.

Trash Capture Demonstration Project (SWRCB-ARRA/Bonds)

- This was an intensely active period for SFEP's trash project. Under terms of our original contract, all construction (installation of large and small trash capture devices) was to be complete by November 1, 2012. However, one of our key suppliers left the program at the end of the summer, with over 1,000 orders outstanding. Fortunately for our partner municipalities, the Division of Financial Assistance extended our deadline to March 1, 2013, and SFEP staff spent the fall and early winter working with alternate suppliers and partner cities and counties to find, order, and schedule installation of replacement equipment.
- As of March 1, 2013, construction was complete. The project purchased and installed 4,003 trash capture devices, including 41 high-capacity devices.
- SFEP expended our full project budget for construction: \$4,245,030.
- SFEP staff continued to work with our subcontractor, the San Francisco Estuary Institute, on repairs to the Bay Area Trash Tracker website. Problems with the website – specifically on municipalities' ability to upload, and download, device location and maintenance data for purposes of permit reporting – are not yet resolved.

Recreational Boating Pump-out Project (DBW)

- Staff distributed 335 maps and completed editing process for new maps after obtaining all updated information from marinas on maps. Printing planned for next reporting period
- All documents needed to attend the Strictly Sail boat show have been processed
- Pumpout surveys were done for Quarter 4, 2012 and Quarter 1, 2013. Universal pumpout signage was received from DBW to post at marinas and distribution will be integrated into the Quarter 2 survey this year in June.
- Ayala Cove sign was completed for DBW and all graphic files were sent to DBW for sign construction
- Presented at the Northern California Clean Boaters Network and the Inter Agency Coordinating committee

Aquatic Invasive Species

Karen McDowell attended the recent Federal Aquatic Nuisance Species Task Force Meeting in Arlington, Virginia, as an Ex Officio member and as a Vice Chair of the Western Regional Panel on Aquatic Nuisance Species. The following key items were discussed at the meeting which serves to coordinate federal activities on Aquatic Invasive Species:

- **E-Commerce as a Vector:** A white paper was presented by the Invasive Species Advisory Committee, describing e-commerce as an important vector for invasive species: http://www.invasivespecies.gov/global/ISAC/ISAC_whitepapers.html.
- **eDNA Early Detection Tool:** Discussion of the use of eDNA as an early detection method were discussed. Although it can be a very useful tool, there are still significant complications since the test is so sensitive. This includes picking up detections due to contaminated equipment and from bird droppings (birds flying from one water body to another).
- **Prevention Guidelines:** Draft guidelines to prevent the spread of Aquatic Invasive Species through recreational activities and for water gardens were approved. Classroom guidelines were also reviewed, but not approved. The first 2 sets of guidelines will be posted in the Federal register for comment before they are finalized. A current draft of these guidelines is available on the ANSTF web site at the following link (scroll down to recreational guidelines): http://anstaskforce.gov/Meetings/2012_November/default.php.
- **Marine Tsunami Debris:** Finalized response protocols for biofouled debris and invasive species generated by the 2011 Japan tsunami were presented at the meeting. <http://anstaskforce.gov/Tsunami.html>
- **Invasive Mussel Legal and Regulatory Efforts:** The action plan to implement legal and regulatory efforts to minimize expansion of invasive mussels through watercraft movements in the western United States was presented to the ANSTF.

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

- Phase II (water quality/quantity impacts) of this monitoring effort has begun.
- Initial readings have shown the following:
- PAHs – Very low concentrations in the inflow. This pollutant will not be monitored in the future.
- Mercury and PCBs: matrix interference caused the analysis in lab to be inconclusive.

Additional analysis of the samples is currently being done using different protocols.

- Water levels inside of the tree well filters are being monitored by piezometers newly installed February 5, 2013
- Language and initial graphics for the outreach sign are finalized. Installation should happen before June 30, 2013.

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

- SFEI has finished its study and has submitted a final report to the county detailing the pollutant load in the stormwater to be diverted
- The county has also received a conceptual plan and estimate for the diversion pilot project. Estimates far exceeded the expected cost, causing a delay while project partners determine which parties will provide the additional funding.
- The County initiated formal discussions with West County Wastewater District (WCWD) to divert stormwater to their wastewater treatment plant as part of the pilot project. A Final Technical Memorandum and figures outlining the conceptual plan for the diversion have been developed and submitted.
- Current discussions between Contra Costa County and the West County Wastewater District (WCWD) concern testing requirements needed by WCWD to accept diverted stormwater.

Newcomb Avenue Green Street (EPA: Estuary 2100)

- Monitoring continues on site by SFEI and the SFPUC to measure water quantity and quality impacts of the LID project
- The City and County of San Francisco met all contract requirements with an additional \$60,000 left in their account. SFEP, CCSF, SFEI and the EPA have worked together to expand the scope and schedule of the project to encumber the additional funds. The final project report will document the strengths and weaknesses of the project as built, lessons learned, and lessons to be carried forward into future projects.
- Interesting developments in traffic patterns have occurred since the final construction was completed in December, 2012.

Newcomb Avenue between Phelps and Newhall Streets	Before Construction 6/12/2007	After Construction 12/11/2013
ADT (bi-directional)	1431	609
WB 85th Percentile	31.2	28.2
EB 85th Percentile	29.1	26.4

Got Ants (DPR)

- The Got Ants project completed work on the creative elements of its outreach campaign, to be launched in spring 2013.
- The project's management team reviewed and finalized website text, ads, and an advertising plan on track to go live in May 2013. Efforts to understand baseline pesticide use before the campaign were active during this period.
- Bay Area partners were organized to disseminate outreach materials at spring events, beginning with Earth Day and continuing through early spring 2014.

Greener Pesticides for Cleaner Waterways (EPA SFBIF 2012)

- This pesticide outreach campaign launched its retail store component, supporting the work of IPM Advocates who have been trained to support retail home and garden store

staff in providing customers with less-toxic pesticide information.

- Advocates began their work in 11 retail stores around the Bay Area: providing trainings for retail store staff, setting up displays (such as end caps) of less-toxic pesticide products according to season, and planning in-store outreach events for customers. An October press release to announce the Advocates' work in local stores generated press stories.
- The advertising campaign portion was discussed at a December meeting with EPA's Regional Administrator Jared Blumenfeld, who advised creating a big and bold campaign, potentially supplemented with pro bono work from creative agencies. In subsequent discussions with the grant managers, it was agreed that a revision of the project's workplan was called for and would be undertaken in the Fall – Winter of 2013-13.
- Activity continued on developing a mobile phone app to help disseminate less-toxic pesticide information created by the Our Water Our World program: after several explorations the GPCW team suggested working with Chinook Book to provide OWOW content through their existing platform, which reaches tens of thousands of Bay Area customers already (eliminating the need to develop an audience for a standalone, self-produced app).
- The project team also investigated pro bono resources and identified one potential source (catchafire.org) based in New York. Initial baseline evaluation efforts were put on hold until Fall-Winter along with the workplan revision.

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

ESTUARY NEWS NOVEMBER 2012

Articles covered investigating the Delta's historical ecology; preventing PCBs in caulk from entering runoff after building demolition; restoring Cullinan Ranch on the San Pablo Bay Wildlife Refuge; and managing drainage from seasonal wetlands in Suisun Marsh, which contain too much mercury and too little oxygen. Also, Japanese tsunami debris arrives on West Coast; two top scientists review key lessons from four decades of Bay ecosystem research; the Mokelumne River Crest to Coast Trail; and a Bay-Delta science conference town hall on how scientists and policymakers can better communicate.

Special Insert: Flame Retardants in San Francisco Bay, Regional Monitoring Program Fall 2012 Update

ESTUARY NEWS FEBRUARY 2013

The Climate Change issue focused on the West Coast, extreme tides are wetting our feet and teasing our brains with glimpses of a flooded future. Climate change is on a roll, and with it the prospect of accelerating sea level rise, and estuary scientists and managers are hustling to adapt. Featured stories included an interview with Jeremy Lowe: A Head Start on Rising Seas; Sustaining Marshes, Saving Sparrows, Connecting Habitats and a specials insert from the California Landscape Conservation Cooperative on, **“Creating science-based tools for on-the-ground climate planning and adaptation...”**

Restore America's Estuaries/Assoc. of National Estuary Program, Tampa, Florida.

Director Judy Kelly and Caitlin Sweeney attended the biennial Restore America's Estuaries (RAE) conference in October 2012.

Outreach Presentations on the Benefits of Green Infrastructure for Stormwater Treatment

- In August, Josh Bradt, at the invitation of Contra Costa County Supervisor John Gioia, presented to the County's Public Works Deputy Director, Flood Control & Water Conservation District Deputy Director, and other staff at his standing monthly meeting.
- In October, Josh presented to the Friends of Five Creeks, a long-standing volunteer stewardship group in the East Bay.
- Josh also gave presentations at two conferences: the first was at the Dry Creek Conservancy's annual Low Impact Development Conference (primary audience - engineers, elected officials, and developers); the other was at the American Public Works Association conference in Richmond (primary audience - public works engineers and maintenance staff).
- Jennifer Krebs moderated a panel discussion at the CASQA Conference on November 7 in San Diego, focusing on developing integrated projects to promote Low Impact Development and improved stormwater. Her presentation included information on a recent survey by SFEP on SF Bay regional plans, policies, and ordinances distributed to all 101 cities and nine counties of the Bay Area

Bay Protection and Behavior Change

- This effort seeks to unify stormwater and wastewater pollution prevention outreach to the general public throughout the Bay Area. This period's work focused on developing a brand to unify outreach campaigns on individual pollutants of concern.
- Several candidate logos and taglines were developed by MIG and evaluated by the project's Steering Committee. Since none were received enthusiastically, the project's Executive Group met several times to review progress and next steps.
- The Executive Group revised the Creative Brief to provide clearer direction to creative consultants on the project's objectives, and revised the Decision Model to create a more streamlined decision making process. Projected next steps include holding strategic advisory conversations with creative consultants.

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

Ongoing Activities: SFEP:

- Provided overall program management as well as oversight and grant/contract management for 50+ grants/contracts.
- Provided overall program management as well as oversight and grant/contract management for 50+ subcontracts.
- Managed 40+ implementation projects.
- Drafted/processed 38 new sub-recipient/consultant contracts and 22 contract amendments.
- Completed 6 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)

Grants/Contracts Received

- New two year contract agreement with Marin County/SMART for SFEP/ABAG permit writer to assist Regional Water Board in permit, environmental document reviews.
- New two year contract agreement with Sonoma County Water Agency for SFEP/ABAG permit writer to assist Regional Water Board in permit, environmental document reviews.