

**Santa Monica Bay National Estuary Program Fiscal Year 2015-16 Work Plan**

**Semi-Annual Progress Summary (October 1, 2015 – March 31, 2016)**

Task #	FY 16 Task Description		Engaged SMBNEP Entities		Semi-Annual Update	Likely Continuation and Changes from FY 16 to FY 17
			Entities	Role		
<b>1</b>	<b>Water Resource and Quality Improvement</b>					
1.1	Oversee Proposition 12, 50 and 84 bond grants	On-going projects oversight.	SMBRC, TBF	Participate	Arroyo Sequit fish barrier removal project (Prop. 50, State Parks) is in progress. Two barriers removed, one bridge installed and one bridge under construction.	Complete.
			SMBRC	Participate	Torrance detention basin project (Prop. 84, City of Torrance) is completed.	Complete
			SMBRC	Participate	Oxford basin restoration project (Prop. 84, LA County) is in progress. Major construction completed. Native vegetation planning is ongoing.	Complete.
			SMBRC	Participate	Milton Park Green Street project is in progress. Construction on the main park is complete. Final approval is pending on construction plans for water quality aspects of the project, and construction is scheduled during the fall of 2016.	Complete.
			SMBRC	Participate	University Park rain garden project (Prop. 84, City of LA) is delayed due to change in rain garden siting and monitoring.	Continue.
			SMBRC	Participate	Vermont Ave. storm water capture project (Prop. 84, City of LA) is cancelled.	n/a

			SMBRC, TBF	Participate	Rindge Dam removal feasibility study project (Prop. 12, ACOE): State Parks, Army Corps is working toward completing in 2017 documents required for Tentatively Selected Plan (TSP ). (See Section 2.2 for more detail)	Continue.
		New project solicitation and implementation (Prop. 84)	SMBRC	Lead, Participate	RFP was released in Nov. 2015. Ten applications totaling \$17 million in funding requests were received and reviewed by the CBSMB.	Begin implementation of newly awarded projects.
1.2	Participate in the development and implementation of water quality requirements and best management practices in the Bay watershed	Funding of WMP and EWMP implementing projects. Facilitate availability of Prop. 1 funding.	SMBRC	Lead	Initiated and continued dialogue with State Water Board re Prop. 1 funding for storm water projects in the SMB watersheds.	Continue.
		Participation in activities of sub-region stakeholder groups and other mechanisms.	SMBRC	Lead	Continued participation on ad hoc basis due to limited staff resources.	Develop new resource and strategy for increased participation
		Facilitation of storm water monitoring and monitoring of LID effectiveness.	TBF, SMBRC	Facilitate	Pre- and post-implementation potable water and stormwater monitoring at residential rain gardens installed by TBF. Pre- and post- monitoring of Prop. 84 projects	Continue. Work with TAC to develop region-wide BMP/LID effectiveness monitoring strategy.
		Participation in addressing OSWT issue in Malibu Civic Center	SMBRC	Promote	City of Malibu approved assessment district for financing the wastewater treatment facility. Wastewater treatment facility construction begins later this year.	Complete.
		Outreach and implementation assistance to boaters	TBF	Facilitate	Applied for an outreach grant with LA County Beaches and Harbors (decision pending).	Continue.

		re: copper TMDL.				
1.3	Participate in the Integrated Regional Water Management Plan (IRWMP) for Los Angeles County (State Prop. 50 & 84)	Participate in the activities of the leadership group and provide necessary technical and advisory support.	SMBRC	Participate	Revised IRWMP MOU was adopted by the GB in Feb. 2016. Continued to participate as open space representative on the IRWMP Leadership Committee	Continue.
1.4	Implement green infrastructure and LID projects in targeted watersheds	Carry out the rain garden projects through the Metropolitan Water District Innovative Conservation Program Grants.	TBF	Lead	Continued monitoring of completed residential rain gardens.	Continue by seeking new partnership and funding opportunities.
		Seek funding to continue water conservation outreach and promote LIDs.	TBF	Lead	Continued outreach with bi-monthly events and presentations.	Continue by seeking new partnership and funding opportunities.
		Work with Park management agencies to develop and implement parking lot retrofits with LID technologies in various parkland locations.	SMBRC	Facilitate	Continued to work with State and National Park Service to implement LID projects. Progress has been delayed due to NPS staff turnover and demands of other priority projects.	Continue.

1.5	Climate Change Adaptation and Climate Ready Program	Continue to carry out the Local Coastal Plan Sea Level Rise Adaptation project.	SMBRC, TBF	Participate	Continued collaboration with other project partners for a series of webinars/workshops on the results of USGS CosMo coastal storm modeling, etc.	Continue.
		Conduct vulnerability assessment of BRP objectives and milestones.	SMBRC, TBF	Lead	Completed Task 1; developed framework and began evaluation of risks for BRP milestones	Initiate next phase to revise BRP milestones based on the results of the vulnerability assessment
		Carryout the Santa Monica sandy beach and dune restoration pilot demonstration project.	TBF	Lead	Continue to formalize the partnership with the City of Santa Monica through development and adoption of a MOU, continued project planning and community outreach for scheduled project launch in fall.	Continue.
		Carryout the kelp restoration/carbon sequestration pilot project.	TBF	Lead	Begin the project in summer 2016 with California Coastal Conservancy funding support.	Continue.
		Install new pH/CO2 sensors in Santa Monica Bay.	SMBRC	Lead	Sensor deployment location was selected and instruments purchase order was issued.	Continue.
		Develop and seek funding for beach sediment management and habitat restoration projects.	SMBRC, TBF	Facilitate	Applied for and received \$29K from the Annenberg Foundation and Patagonia for the beach restoration project;	Continue.
1.6	Clean Bay Restaurant Certification Program	- Continue coordination and promotion of the program and update certification. Work to	SMBRC, TBF	Lead	Expanded to include two new cities; continued coordination of efforts and program components for the nine participating cities; updated the certification checklist.	Continue and expand to more cities in the watershed.

		acquire funding and expand the program (SMBRC, TBF)				
<b>2</b>	<b>Wetlands and Coastal Habitats Restoration</b>					
2.1	Facilitate restoration of priority wetlands	Conduct data collection and assist with the environmental impact review and permit application for the Ballona Reserve.	TBF	Participate	Completed and released the 5-year monitoring report; continued providing technical input on the draft EIR.	Continue providing technical input
		Continue developing communication strategies and public outreach and involvement.	TBF	Participate	Continued outreach through website, tours, public presentations, media articles, newsletters, and participation of stakeholder meetings.	Continue.
		Implement interim stewardship management through community engagement and invasive species removal ("FIX Ballona").	TBF	Lead	Applied for and received approval for a Coastal Development Permit; initiated stakeholder outreach and planning for scheduled project launch in summer 2016.	Continue.
		Assist in ongoing trash removal and maintenance projects at the Ballona Reserve.	TBF	Participate	Worked with CDFW and the Friends of Ballona Wetlands to continue opportunistic trash removal events.	Continue and seek new funding and partnership opportunities.

		Development of the regional Level 3 protocol standardization manual and associated products	SMBRA, TBF	Lead	Completed final regional wetland monitoring report.	Complete, and further develop new strategy.
		Malibu Lagoon post-restoration maintenance and monitoring	SMBRA, TBF	Participate	Completed year 3 monitoring activities and completion of a comprehensive report in May, continued coordination and implementation of monthly weeding events.	Continue and develop strategy for long-term monitoring and maintenance.
		Restoration of the Oxford Basin	SMBRC	Participate	Major construction activities completed in early 2016. Native vegetation planting and monitoring are ongoing.	Complete.
		Seek funding to develop historical ecology and conceptual restoration plans for Trancas and other coastal lagoons.	SMBRC	Participate	Continued communications with State Parks regarding restoration planning.	Continue.
2.2	Facilitate stream protection and restoration	Facilitate adoption of a stream protection ordinance by local jurisdictions.	SMBRC	Facilitate	Initiated communications with Heal the Bay regarding a plan of action.	Continue and implement planned action.
		Apply results of the historical ecology and water budget studies for the Ballona Creek watershed in developments of new restoration project concepts.	SMBRC, TBF	Facilitate	No activities during this reporting time period.	Continue.

		Carry out more fish barrier removal projects, including the Arroyo Sequit fish passage.	SMBRC, TBF	Facilitate	Both in-stream barriers were removed in fall 2015 along with installation of Upper Campground Bridge. Lower Campground Bridge to be completed early fall 2016. Invasive vegetation removal and native planting continues.	Complete.
		Support restoration of lower Topanga Creek.	SMBRC	Facilitate	No activities during this reporting time period.	Continue.
		Carry out maintenance of the restored Stone Canyon Creek.	SMBRC	Lead	Continued monthly volunteer maintenance events.	Continue.
		Continue to build support and seek funding for implementation of the Ballona Creek Greenway Plan.	SMBRC	Facilitate	No activities during this reporting time period.	Continue.
		Facilitate completion of the Rindge Dam removal feasibility study.	SMBRC	Facilitate	State Parks, Army Corps working toward completing documents by Oct. 2017 required for Tentatively Selected Plan (TSP ) including: Storage sites/capacity, construction schedule, transport modeling, environmental, sea level rise, disposal plan, revise environmental documents, etc.	Continue and complete by 2017.
		Conduct and report on the result of the annual mudsnail infestation surveys in the Northern Bay watershed.	SMBRC, TBF	Lead	Finalized 2015 New Zealand mudsnail report. The yearly report documents the spread of this invasive species throughout the Santa Monica mountains.	Continue.

		Facilitate projects for eradication of crayfish and other invasive species in the North Bay/Santa Monica Mountains watersheds.	SMBRC, TBF	Facilitate	Staff and interns continued to volunteer and support Mountains Restoration Trust activities to remove crayfish in the Malibu Creek watershed.	Continue.
<b>3</b>	<b>Marine Habitat Protection and Restoration</b>					
3.1	Promote marine ecosystem protection through outreach and information sharing	Develop and implement new phase of the ocean vessel aerial monitoring project.	TBF	Lead	Completed 1 round (2 flights) of quarterly survey, developed distribution model and drafted preliminary project report, and initiated collaboration with MPA Watch	Continue.
		Promote and/or participate in development of fishery management for spiny lobsters, California halibut, etc., and promote involvement of local fisherman.	SMBRC, TBF	Promote	Research project that help to better manage the halibut stock was completed in 2015. Continued to monitor progress of state and federal agencies' fishery management efforts. Further involvement is limited by the lack of staff resources.	Continue
		Facilitate the All-ashore sandy beach ecology citizen monitoring project.	SMBRC, TBF	Facilitate	Applied for EPA funding to help reinvigorate this project	Facilitate new funding and continue.
		Collaborate with PV cities and seek additional resources to promote protection of intertidal habitats on PV through outreach and other	TBF	Facilitate	Supported the PV cities' effort through outreach. Facilitation is limited by the lack of staff resources.	Continue.

		mechanisms.				
3.2	Conduct and support research of important marine habitats and species.	Conduct and promote abalone study and release and restore abalone broodstock onto Palos Verdes Shelf.	TBF	Lead	Continued post-outplanting monitoring; developed new method for deck spawning of wild individuals; constructed abalone research facility; SoCal Green Abalone Final Report drafted.	Continue and seek to expand with new grant funding.
		Conduct study of physical oceanographic responses to kelp restoration projects.	TBF	Lead	Site selection for ADCP's and pressure sensors continued; pre-monitoring and installation expected through spring and summer 2016.	Continue and complete.
		Assist federal partners in assessment of offshore eelgrass beds in Santa Monica Bay.	TBF	Facilitate	No federal effort/activity during this report period.	Continue.
3.3	Restore and enhance rocky reef habitat	Carry out the multi-year rocky reef/kelp restoration project.	TBF	Lead	Monitoring efforts continued; 2.5 acres prepared for restoration; Progress on restoration activities temporarily slowed due to poor ocean condition; two gonad index dissection events conducted; Semi-Annual Report to NFWF and CDFW Year 2 Reports drafted.	Continue.

3.4	Restore coastal dune and bluff habitat	Participate in and promote restoration of coastal dunes and bluffs.	SMBRA, TBF	Participate	Continued communications with the LA City (LAWA) to draft an MOU; applied for and received SCC grant for \$47K; applied for a NFWF \$46K grant (decision pending)	Continue.
<b>4</b>	<b>Education and Outreach</b>					
4.1	Conduct general outreach	Urban Coast Journal	TBF, CSMBS	Lead	Released 2015 Volume of Urban Coast in conjunction with State of the Bay Report; developing a plan for publishing new issue this year.	Continue.
		SMBNEP annual report	SMBRC, TBF	Lead	SMBNEP's 2015 annual report is scheduled for release at the end of April.	Continue on annual basis.
		Social media and website	SMBRC, TBF	Lead	Continued frequent postings on social media and monthly website updates.	Continue.
		Continue internship and volunteer program.	TBF	Lead	Continued monthly internship/volunteer calendar; continued regular partnership meetings; continued weekly events.	Continue.
		Coastal Cleanup Day	TBF	Lead	Planned and coordinated CCD for 70 volunteers on Sept 19, 2015 at LAX dunes.	Continue on annual basis.
4.2	Continue overseeing the Boater Education Program	Publications and presentations	SMBRA, TBF	Lead	Annual Pumpout Usage Report draft completed; Changing Tide newsletter posted, last one in December 2015 and next one in April 2016.	Continue.
		Participation of boating events	SMBRA, TBF	Lead	Attended Santa Barbara Harbor Fest in October 2015; coordinated Dockwalker volunteers to attend the Los Angeles Boat Show in February 2016.	Continue.
		Honey Pot Day	SMBRA, TBF	Lead	Program for 2016 being planned.	Continue

		Pumpout monitoring	SMBRA, TBF	Lead	Conducted two quarterly monitoring events.	Continue
		Oil absorbent pad exchange programs	TBF	Lead	Continued coordination of four exchange sites in San Diego, Oceanside, and Marina del Rey.	Continue.
		Install one bilge pumpout station.	TBF	Lead	Completed. Opening event held in Dec. 2015 in Oceanside.	Complete.
		Outreach to boaters about proper oil spill prevention through publications and face-to-face education	TBF	Lead	Continued general outreach and education activities and engaging media; produced 7,000 Boater Kits and planned ten volunteer trainings.	Continue.
4.3	4.3 Oversee the Public Involvement and Education Mini-grants Program	Raise funding from local sponsors and initiate a new round of PIE program.	TBF	Lead	No funds were obtained during this reporting period.	Continue to seek funding opportunities.
4.4	Participate in the PV Shelf Institutional Controls Program	Participate in FCEC risk communication activities	SMBRC	Participate	Continued participation of FCEC meetings.	Continue.
		Participate in review of contaminated sediment cleanup plan	SMBRC	Participate	Continued assisting EPA Superfund Program in reviewing monitoring plan and results.	Continue.
<b>5</b>	<b>Planning, Monitoring, and Program Management</b>					
5.1	Increase funding and/or develop new financing mechanisms for	Seek public and private funding contributions.	TBF	Lead	TBF has applied and successfully obtained several grants for various programs/projects. (see Section 1.2, 3.2, 3.4, 5.3).	Continue.

	BRP implementation	Update fundraising strategy, develop new partnerships and funding sources including Prop. 1 grants.	TBF	Lead	TBF will continue efforts to secure additional state and other funds.	Continue.
		Support the collaborative effort of local environmental for the County-wide storm water/urban runoff funding measure.	SMBRC	Support	Local municipalities including many cities in the watershed formed task force to explore feasibility of new funding measures. LA County Board of Supervisors also initiated a new process to develop a funding measure for storm water capture and clean-up.	Continue.
5.2	Inter-agency coordination and involvement	State Aquatic Species Task Force	SMBRC	Participate	Continued to participate.	Continue
		Wetland Recovery Project Managers Group	TBF	Participate	Continued to participate.	Continue.
		State Clean Beach Task Force	SMBRC	Participate	Continued to participate.	Continue.
		Beach Water Quality Work Group	SMBRC	Participate	Continued to participate.	Continue.
		Jurisdictional Group 5&6	SMBRC, TBF	Participate	Attended monthly meetings to discuss Clean Bay Restaurant Certification Program.	Continue.
		Beach Ecology Coalition	SMBRC, TBF	Participate	Continued to participate.	Continue.
		Green LA Urban Ecosystem Strategic Planning Committee	TBF	Participate	Continued to participate.	Continue.
		California Wetlands Monitoring Workgroup	TBF	Participate	Continued to participate.	Continue.

		CWMW, Level-3 Subcommittee	TBF	Participate	Continued to participate.	Continue.
		Southern California Academy of Sciences (SCAS), Board of Directors	TBF	Participate	Continued to participate.	Continue.
		Friends of LAX Dunes, Board of Directors (TBF)	TBF	Participate	Continued to participate and lead monthly meetings.	Continue.
		Loyola Marymount University's Environmental Stewardship and Sustainability Committee	TBF	Participate	Continued to participate.	Continue.
		Friends of Ballona Wetlands' Science and Restoration Committee	TBF	Participate	Continued to participate.	Continue.
5.3	Implement the Comprehensive Bay Monitoring Program	Incorporate implementation of the comprehensive monitoring program into NPDES permits.	SMBRC,	Participate	Completed and submitted annual progress report to the LARWQCB.	Continue. Work with the TAC to update the CMP to fill data gaps identified in the State of the Bay report.
		Work with the dischargers and the TAC to develop pilot fish larvae and deep reef surveys.	SMBRC, TBF	Lead	No activities during this report period.	Continue to seek funding and collaboration opportunities to implement the surveys.

		Participate in development of habitat condition indices for rocky reef, and rocky and sandy beaches.	SMBRC, TBF	Participate	Applied for EPA/NEP monitoring grant for development of sandy beach habitat condition indices.	Continue.
5.4	BRP Implementation progress tracking	Improve BRP implementation tracking.	SMBRC, TBF	Lead	Implementation tracking were done mainly through SMBNEP annual report and semi-annual work plan progress report. Major progress and achievements over the last five years were also presented in the 2015 State of the Bay Report.	Continue.
		Annual GPRA reporting	SMBRC, TBF	Lead	2016 GPRA reporting is scheduled for September.	Continue on annual basis.
5.5	State of the Bay reporting	Refine the indicator matrix and improve data collection mechanisms in preparation for the next State of the Bay report.	SMBRC	Lead	The TAC plans to discuss lessons learned and approach for developing the next report at its upcoming meetings.	Continue.
5.6	Conduct general GB support, organizational management, and reporting activities	Support SMBRC and SMBRA board meetings, and TAC and WAC meetings.	SMBRC, SMBRA	Lead	Continued to support regular bi-monthly EC and GB meetings, SMBRA meeting in February 2016, and annual WAC meeting in March 2016.	Continue.
		Support TBF Board Meetings.	TBF	Lead	Continued to support regular TBF Board meetings	Continue.
		Conduct general management and reporting activities.	SMBRC, SMBRA, TBF	Lead	Continued to conduct general management and support annual audits of TBF and SMBRA.	Continue.

		Response to public information requests.	SMBRC	Lead	Continued to respond to public information requests received during this reporting period	Continue.
		Participate in EPA/NEP activities.	SMBRC, TBF	Lead	Staff attended NEP meetings and gave presentation on TBF's kelp restoration project.	Continue.