

**SANTA MONICA BAY NATIONAL ESTUARY PROGRAM**  
**Fiscal Year 2016 Work Plan**  
(October 1, 2015 – September 30, 2016)

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## **I. INTRODUCTION**

Section 320 of the federal Clean Water Act establishes the National Estuary Program (NEP), which is administered by the United States Environmental Protection Agency (USEPA). To implement the NEP, USEPA identifies national estuaries, develops a plan to restore the estuaries, and provides grants to pay for activities necessary to implement the plan. USEPA identified the Santa Monica Bay as a national estuary and approved the Santa Monica Bay Restoration Plan (BRP), with the concurrence of the State that identifies actions and priorities to restore the Santa Monica Bay. The Santa Monica Bay National Estuary Program (SMBNEP) is implemented by three entities: the Santa Monica Bay Restoration Commission (SMBRC), the Santa Monica Bay Restoration Authority (SMBRA), and the Santa Monica Bay Restoration Foundation also known as The Bay Foundation (TBF).

The SMBRC is a non-regulatory, locally-based state entity established by an act of the California Legislature in 2002 (Pub. Res. Code §30988(d)). The SMBRC is charged with coordinating activities of federal, state, local, and other entities to restore and enhance the Santa Monica Bay, including identifying and leveraging funding to put solutions into action, building public-private partnerships, promoting cutting-edge research and technology, facilitating stakeholder-driven consensus processes, and raising public awareness ([www.smbrc.ca.gov](http://www.smbrc.ca.gov)). The SMBRC brings together local, state, and federal agencies, environmental groups, businesses, scientists, and members of the public on its 36-member Governing Board. The SMBRC is also supported by a Technical Advisory Committee, and a broad stakeholder body, the Watershed Advisory Council. The SMBRC's enabling statute provides, among other actions, that the SMBRC can receive funds to restore the Santa Monica Bay and to award and administer grants. The state legislature has not appropriated funds to the SMBRC.

The SMBRA was created by a joint exercise of powers agreement between the SMBRC and the Los Angeles County Flood Control District and operates as a local public agency within the Santa Monica Bay watershed and the jurisdictional boundaries of the SMBRC and the District. The purpose of the SMBRA is to broaden funding opportunities for projects within the Santa Monica Bay Watershed, and it provides an efficient method by which state agencies can fund important programs of the SMBNEP.

TBF is an independent, non-profit 501(c)(3) organization founded in 1990. The mission of TBF is to contribute to the restoration and enhancement of the Santa Monica Bay and other coastal waters. ([www.santamonicabay.org](http://www.santamonicabay.org)) TBF receives an annual grant from USEPA pursuant to section 320 of the Clean Water Act (33 U.S.C. §1330) to implement the BRP (also known as the Comprehensive Conservation and Management Plan). TBF also receives important grants and donations from other entities to support TBF and its activities.

Between 2007 and 2008, the SMBRC in coordination with TBF conducted a comprehensive update of the original 1995 BRP through a public and iterative process with active participation from members of the Governing Board as well as members of the Watershed Advisory Council (WAC) and the Technical Advisory Committee (TAC). The 2013 BRP was updated again in 2013 through a similar public process. The 2013 BRP Update lays out approaches and strategies intended to result in making substantial progress toward bay restoration over the next ten to

twenty years. More specifically, the BRP Update presents a set of new goals, objectives, and milestones to address remaining issues and new challenges, and reflects the consensus of SMBRC partners with regard to the best strategies and priorities to ensure continued progress and achieve eventual restoration of the Bay and its watershed.

This work plan is prepared by the SMBRC, through collaboration with TBF and input from the WAC. The purpose of this Work Plan is to identify the program objectives, tasks, timelines and budgets of the work to be performed during the federal fiscal year 2016 (FY16): October 1, 2015 – September 30, 2016, specifically to accomplish the goals and objectives of the 2013 BRP Update<sup>1</sup> and various technical, managerial, and administrative activities necessary to continue to advance the mission of the SMBNEP.

The funding for TBF's supporting activities identified in this Work Plan comes primarily from the federal Clean Water Act section 320 "base" grant funding and matching funds from various State and local sources. The Clean Water Act section 320 grant is administered by USEPA and provided to TBF for carrying out certain of the annual Work Plan activities. In lieu of direct funding, the State Water Resources Control Board (SWRCB) contributes by providing state staff, office space, and other administrative services to the SMBRC. Since SMBRC has no direct staff of its own, employees of TBF, staff of the SWRCB, and contractors hired by TBF carry out the key functions of the SMBRC.

In addition to the SWRCB contribution, the 50-50 federal grant match requirement is met using funds from the State bond grants (e.g., Proposition 50 and 84 grants administered by the SWRCB and Proposition 12 grants administered by the State Coastal Conservancy (SCC), and other State and local grant funds received and managed by TBF and the SMBRA. Projects conducted by other entities identified in this Work Plan are funded by various sources secured by those entities.

Section II of the Work Plan provides an overview of the activities to be undertaken in FY16. Section III provides details on the individual tasks and how each task advances the goals of the BRP. Section IV explains how the FY16 Work Plan tasks will be supported by SWRCB and TBF staff. Section IV depicts the Work Plan budget.

## **II. WORK PLAN OVERVIEW**

The scope of this Work Plan is broad. Significant effort will continue to be devoted to the management and oversight of pollution control and habitat restoration projects through the Proposition 12, 50, and 84 grant programs and other sources of grant funding. In addition, staff will facilitate and promote activities by partner organizations and stakeholders to achieve the objectives and milestones of the BRP; track implementation of the BRP; conduct public education and outreach programs; and ensure the fiscal stewardship and program capacity of the SMBNEP.

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<sup>1</sup> Electronic version of the 2013 BRP is available and can be downloaded via SMBRC's website at [http://www.smbrc.ca.gov/about\\_us/smbr\\_plan/](http://www.smbrc.ca.gov/about_us/smbr_plan/)

This Work Plan includes a mix of ongoing and new activities that support implementation of the BRP and will contribute to achieve the following goals identified in USEPA's Strategic Plan:

- Goal 2: Clean and Safe Water
- Goal 3: Land Preservation and Restoration
- Goal 4: Healthy Communities and Ecosystems, and
- Goal 5: Compliance and Environmental Stewardship

Consistent with USEPA's Strategic Plan, the primary goals of this Work Plan are:

- To make continued improvements in water quality and the health of the Bay's habitats and resources by effectively promoting and managing the implementation of pollution control, habitat restoration, and ecological assessment projects;
- To work with dischargers and other stakeholders toward collaborative programs that reduce negative environmental impacts on the Bay and meet the goals of the Clean Water Act;
- To outreach to the public and policy-makers about the state of Santa Monica Bay, the activities and accomplishments of the SMBNEP, and the ways the public can help improve the ecological health of the Bay;
- To monitor and assess the effectiveness of BRP implementation, both in terms of management actions and environmental improvements; and
- To improve the institutional mechanisms and program management of the SMBNEP.

In FY16, the SMBNEP will continue to achieve these goals through three primary ways (core functions): facilitation, implementation, and program management<sup>2</sup>. For each specific project activity, the Work Plan identifies the role of each SMBNEP entity, including one or more of the following:

**Lead:** The SMBNEP entity is the lead sponsor and oversees completion of the project activity, and/or the entity carries out the projects directly.

**Participate:** The SMBNEP entity contributes staff and/or other resources and actively engages in project activities.

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- <sup>2</sup> **Facilitation:** SMBRC, the policy-delivering body of the SMBNEP, is the only group in the diverse and densely-populated watershed of Santa Monica Bay whose main function is to bring together all stakeholders in an open and collaborative process wherein the goal is to improve the health of the Bay for all who depend on it. Although many agencies, industries, and nonprofit groups work on environmental issues in the Santa Monica Bay watershed, only SMBRC has broad Governing Board representation and multi-level support (local, State, and Federal) to link these groups together and foster truly integrated solutions to habitat and pollution problems.
  - **Implementation:** SMBNEP's three entities have expert technical and policy staff who may conduct projects and programs ranging from education, to hands-on management of grant funds, to designing wetlands restoration and implementing on-the-ground water pollution control and water conservation programs.
  - **Program Management:** There are significant reporting requirements associated with the Federal and State monies received, distributed, and/or administered by the three entities of the SMBNEP. All these grants and projects require monitoring, reviewing, bookkeeping and reporting tasks carried out by these entities.

**Facilitate:** The SMBNEP entity provides assistance in coordination, consensus and partnership-building, information exchange, fund raising, etc.

**Promote:** The SMBNEP helps to accomplish the project by actively campaigning for, and/or helping to disseminate information, etc. for the associated activities.

**Support:** The SMBNEP advocates for the project or activity by adopting policy statements, offering endorsements, providing supporting letters, testimony, etc.

### **III. TASK DESCRIPTIONS**

This section outlines each of the FY16 Work Plan tasks in detail. Many of the FY16 tasks continue past efforts. The particular BRP actions that are linked to each task are identified, along with the anticipated environmental results, and performance measures. Environmental results are divided into Outputs (i.e., an activity or effort and/or associated work products that are produced or provided over a specific period of time) and Outcomes (i.e., environmental changes or benefits resulting from such activities/ efforts) and refer to results that are expected to be achieved in FY16.

#### ***1. Water Resources and Quality Improvement***

##### **1.1 *Oversee Proposition 12, 50 and 84 bond grants*** ***Core Function = Implementation***

The SMBRC will continue to provide oversight of, and technical support for pollution prevention and habitat restoration projects that have been funded through Prop. 12, Prop. 50, and Prop. 84 grant programs. The SMBRC Governing Board recommended funding of projects through these programs to the California State Coastal Conservancy (SCC) and SWRCB after a public process to ensure they meet the BRP objectives and address the BRP priorities, meet requirement of the enabling legislation, and are consistent with USEPA's Strategic Plan. Adequate oversight of these projects is essential and entails close coordination with SCC and SWRCB staff and project proponents in preparing grant agreements, project execution, and project reporting. (See Appendix A for a list of all ongoing Prop. 12, 50, and 84 projects.) Staff will also work with partners, including water agencies, to identify and recommend Prop. 84 funding for new projects with a focus on projects identified in the Watershed Management Plans (WMPs) and Enhanced Watershed Management Plans (EWMPs) to comply with the Los Angeles County MS4 permit.

##### **Proposition 12 Grant Program**

Proposition 12 has resulted in \$25 million in grants for BRP implementation. Most of the 28 projects funded by Proposition 12 grants have been completed. The only project that remains active during FY16 is the Rindge Dam removal feasibility study. Meanwhile, SMBRC will work with partners and stakeholders to prioritize the remaining funds, develop new projects, and coordinate, manage, and provide technical assistance and reporting on any new Proposition 12 projects. Currently, approximately \$6 million remains available in Proposition 12.

##### **Proposition 50 Grant Program**

Proposition 50 has resulted in \$20 million in grants for BRP implementation. Most of the 16 projects funded by the Proposition 50 grant have been completed. The only project SMBRC will continue to oversee is the Phase II (implementation) of the Arroyo Sequit fish migration barrier removal project. Phase II of the project will be carried out by the State Department of Parks and Recreation. SMBRC's work task related to this project includes:

- Coordinate between the project team and the SWRCB Contract and Grants Office to ensure timely contract development and execution.
- Conduct adequate monitoring and reporting on project progress.

The SMBRC will also continue to work with stakeholders to identify new projects that are consistent with BRP priorities, meet the requirements of the enabling legislation, and are consistent with the USEPA strategic plan until Proposition 50 funds have been exhausted. Currently, approximately \$3.2 million remains available in Proposition 50.

Proposition 84 Grant Program

Proposition 84 has resulted in \$18 million in grants for BRP implementation. Currently four projects are underway or to be implemented during FY16. Additional new projects are also expected to be recommended to the SWRCB in FY16 via a RFP to be issued in late 2015. SMBRC staff will be responsible for managing these projects in coordination with SWRCB. Specific tasks will include:

- Monitor and report on project progress through site visits, meetings, review of progress reports, etc. Review and approve invoices and deliverables
- Coordinate between grantees and the SWRCB in grant planning, execution and completion.
- Provide technical assistance and troubleshooting.

Currently, approximately \$9.77 million remains available in Proposition 84.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Prop 12 Rindge Dam removal feasibility study	SMBRC, TBF	Facilitate	US Army Corps of Engineers (USACOE)*, California Dept. of Parks and Recreation (State Parks), SCC	Targeted completion date: Dec. 2017, targeted implementation in 5-10 years
Prop 50 Arroyo Sequit fish migration barrier removal project (Phase II)	SMBRC, TBF	Participate	State Parks*, SWRCB	Targeted completion date: December 2015
Prop 84 Torrance detention basin project	SMBRC	Participate	City of Torrance*, SWRCB	Targeted completion date: December 2015
Prop 84 Oxford Basin Restoration	SMBRC	Participate	Los Angeles County Flood Control District (LACFCD)*, SWRCB	Targeted completion date: December 2016

Prop 84 Milton Park Green Street project	SMBRC	Participate	Mountains Recreation and Conservation Authority (MRCA)*, SWRCB	Targeted completion date: December 2016
Prop 84 City of Los Angeles University Park Neighborhood Rain Gardens	SMBRC	Participate	City of LA*, SWRCB	Targeted completion date: December 2017
Prop 84 Vermont Avenue Stormwater Capture and Green Street Projects.	SMBRC	Participate	City of LA*, SWRCB	Targeted completion date: December 2017
Prop 84 New project solicitation	SMBRC	Lead	LARWQCB, SCC	Issuing RFP in December 2015, complete solicitation and project review by June 2016, recommend projects to SWRCB for award by August 2016
Prop 84 New project implementation	SMBRC	Participate	MS4 permittees*, SWRCB, SCC	Begin in January 2017 and continue

\*Project lead.

*Linked BRP Objectives and Milestones: 1.1b, 1.2b, 2.1d, 2.1e, 2.1f, 5.1a, 5.2b, 6.5a, 6.5b, 7.1c, 7.2b, 7.3a-d, 7.4a, 7.4b, 7.4c, 7.4d, 7.4f, 7.5c, 7.6a, 7.7a, 7.7c, 7.8a, 7.8b, 8.1a-e, 9.2a, 9.4a, 9.4b, 11.1a, 12.1a, 12.2b, 13.3b, 14.1a*

*Environmental Results: Outputs: Number of projects initiated, in progress, or completed.*

*Environmental Results: Outcomes: Reduction in mile-day beach closures, exceedance of water quality criteria, and pollutant loadings; increase in acres and/or linear miles of habitats restored.*

*Performance Measures: Improved beach water quality grades at Santa Monica Bay beaches; increased compliance with water quality standards, acres/linear miles of habitats restored.*

## **1.2 Participate in the development and implementation of water quality requirements and best management practices in the Bay watershed**

### ***Core Function = Facilitation/Implementation***

One primary goal of the BRP is to ensure that SMBNEP activities and projects contribute to the achievement of water quality standards at all waterbodies in the Bay and the Bay watershed. To achieve this goal, the SWRCB and TBF staff consult with the Los Angeles Regional Water Quality Control Board (LARWQCB) and USEPA on Clean Water Act regulatory program strategies. Based on these strategies, the SMBRC works with parties responsible for achieving allocations of total maximum daily loads (TMDLs) and dischargers responsible for complying

with NPDES permits. Specific SMBRC contributions include recommending cleanup and water quality benefit projects. For example, SMBRC recommendations have resulted in the awarding of millions of dollars in grant funding for storm water pollution reduction projects to specifically help local municipalities meet storm water permit requirements and the goals of the trash, pathogen, and metal TMDLs in Santa Monica Bay waterbodies. TBF also seeks funding and carries out water quality benefit projects directly. The contribution of efforts in water quality improvements across the Bay watershed will continue to be highlighted in FY16.

During FY16, the SMBRC will continue to facilitate and assist permittees in the Santa Monica Bay watershed to achieve compliance with TMDLs and storm water permit requirements, including identifying and prioritizing available funding to projects that contribute to implement projects under the new WMPs and the EWMPs as required by the Los Angeles MS4 permit. As part of this effort, the SMBRA and TBF will facilitate project implementation through new grant funds made available under Prop. 1. The SMBRC and TBF will also continue to participate in activities of sub-region stakeholder groups and other mechanisms, and work with the TAC and identify funding sources to facilitate storm water monitoring, especially regional efforts to monitor effectiveness of LIDs.

In addition, SMBRC will continue to engage in addressing issues associated with On-Site Wastewater Treatment (OSWT) systems in the Malibu Civic Center area. SMBRC and TBF will assist the LARWQCB, permittees, and the boater community in disseminating information related to implementation of the copper TMDL in Marina Del Rey, and seeking funding for TMDL implementation assistance projects.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Funding of WMP and EWMP implementing projects. Facilitate availability of Prop. 1 funding	SMBRC	Lead	LARWQCB, SCC, MS4 permittees	Ongoing throughout the work plan time period (see Task 1.1 for specific project timelines)
Participation in activities of sub-region stakeholder groups and other mechanisms.	SMBRC	Lead	LARWQCB, MS4 permittees	Ongoing throughout the work plan time period, attend stakeholder meeting on regular basis.
Facilitation of storm water monitoring and monitoring of LID effectiveness	TBF, SMBRC	Facilitate	LARWQCB*, MS4 permittees	Ongoing throughout the work plan time period
Participation in addressing OSWT issue in Malibu Civic Center	SMBRC	Promote	City of Malibu*, LARWQCB	Ongoing throughout the work plan time period. Malibu Civic Center Wastewater Treatment Facility is scheduled to begin construction in late 2015 and begin operation in June 2017

Outreach and implementation assistance to boaters re: copper TMDL	TBF	Facilitate	LARWQCB*, Los Angeles County Dept. of Beaches and Harbors (LAC-DBH)	Ongoing throughout the work plan time period. Submit 319h grant proposal for an implementation assistance program in January 2016.
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\*Project lead.

*Linked BRP Objectives and Milestones: 1.1a, 1.1b, 1.1c, 1.1d, 1.2a-c, 1.7a-d*

*Environmental Results: Outputs: TMDLs adopted and progress toward compliance. Number of projects initiated, in progress, or completed.*

*Environmental Results: Outcomes: Reduction in mile-day beach closures, exceedances of water quality criteria, and pollutant loadings.*

*Performance Measures: Improved beach water quality grades at Santa Monica Bay beaches; decreased pollutant concentrations and loading in 303(d)-listed waterbodies.*

**1.3 Participate in the Integrated Regional Water Management Plan (IRWMP) for Los Angeles County (State Prop. 50 & 84)**  
***Core Function = Facilitation/Implementation***

In 2013, the SMBRC was re-elected as one of ten members of the Leadership Committee charged with developing an integrated water resource management plan (IRWMP) for the Los Angeles Metropolitan region (which includes the entire Santa Monica Bay watershed). Also in 2013, the SMBRC lead the development of a new and ground-breaking element focusing on Open Space for Habitat and Recreation during the IRWMP update. During FY16, the SMBRC will continue to participate in the activities of the leadership group and provide necessary technical and advisory support. Through its participation, the SMBRC will continue to work with LARWQCB staff and others to identify and incorporate regulatory priorities into the selection of specific projects included in the IRWMP, especially projects that lead to water quality improvement by reducing storm water pollutant loading regulated by the MS4 permit, specific TMDL implementation plans, etc.

The SMBRC also sits on the Steering Committees for the North Bay and South Bay sub-regional watershed groups. SMBRC will continue its role on the Steering Committee to work with other sub-regional groups to develop and recommend projects for the sub-regions for funding made available for implementation of the IRWMP.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Participate in the activities of the leadership group and provide necessary technical and advisory support.	SMBRC	Participate	Los Angeles County Dept. of Public Works (LACDPW)*, municipalities in watershed, Los Angeles County Sanitation District (LACSD), West Basin Water District	Attendance of monthly meetings throughout the work plan time period

\*Project lead.

*Linked BRP Objectives and Milestones: 4.6a, 12.1a, 14.1a-c, 14.3a-c*

*Environmental Results: Outputs: LA County-wide IRWMP, number of projected funded and completed through IRWMP*

*Environmental Results: Outcomes: Decreased dependence on imported water; increased infiltration of storm water; decreased polluted runoff to the Bay; increased aquatic habitat and open space.*

*Performance Measures: To be determined as the IRWMP progresses; one measure would be the number of SMBRC-recommended projects that are implemented through IRWMP.*

#### **1.4 Implement green infrastructure and LID projects in targeted watersheds** *Core Function = Facilitation/Implementation*

Green infrastructure and low impact development (LID) practices are being increasingly used as an effective tool to capture and infiltrate storm water on-site. In addition to improving surface water quality, these practices also provide multiple benefits including creation of native habitat, beautification of the urban landscape, and reduction of outdoor water use for irrigation, etc. The SMBNEP has given increasing priority to green infrastructure projects in allocation of the state bond funding (Prop. 50, 84). Examples of green infrastructure projects funded by these bonds include the Bicknell Green Street project in Santa Monica and the Downspout disconnection project in Los Angeles and Culver City, the construction of three rain gardens along Ballona Creek, and the ongoing University Park rain gardens, the Milton Park green street, and the Vermont Avenue: Storm Water Capture and Green Street Projects. In FY16, activities will include oversight of ongoing projects as well as planning for additional LID projects to be funded by Prop. 84. SMBRA and TBF will also actively seek new grant opportunities made available under Prop. 1.

In FY15, TBF was awarded a grant from the Metropolitan Water District’s (MWD) Innovative Conservation Program to install rainwater harvesting techniques at four residential properties and evaluate their successes through pre- and post-installation monitoring. TBF was also awarded and completed a Los Angeles Dept. of Water and Power (LADWP) Community Partnership grant that used a diverse outreach strategy to educate the public about energy efficiency and water conservation throughout our region. TBF staff will continue to carry out activities under the MWD grant in FY16. Specific activities include completion of pre-implementation monitoring, completion of quarterly reports, seeking volunteers, completion of four rain gardens, completion of post-implementation monitoring, and completion of final report. During FY16, TBF staff will also seek funding, including applying for LADWP’s Community Partnership grant to continue to implement a diverse water conservation outreach strategy and to promote the use of best management practices and LIDs.

Since FY12, the SMBRC and TBF have facilitated parkland management agencies to address the issues of parking lots in parklands as a potential source of pollutant loading. In FY16, SMBRC and TBF will continue to work with these agencies to develop and implement parking lot retrofits with LID technologies in various parkland locations.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Oversight of ongoing Prop 50 and 84 projects as well as planning for additional LID projects to be funded by Prop. 84. (See Task 1.1 for project timeline)	SMBRC	Lead	LARQCB, SCC, MS4 permittees	See Task 1.1 for specific project timelines
Carry out the rain garden projects through the Metropolitan Water District Innovative Conservation Program Grants	TBF	Lead	MWD, LADWP	Targeted completion date: July 2016
Seek funding to continue water conservation outreach and promote LIDs	TBF	Lead	LADWP, MWD	TBF will apply for the LADWP Comm. Partnership grant again in July 2015. Ongoing throughout the work plan time period
Work with Park management agencies to develop and implement parking lot retrofits with LID technologies in various parkland locations	SMBRC	Facilitate	Santa Monica Mountains Conservancy (SMMC)*, National Park Service*	Ongoing throughout the work plan time period. Develop project(s) and initiate possible grant funding application by September 2016.

\*Project lead.

*Linked BRP Objectives and Milestones: 1.1b, 2.1d-f 14.1a, 14.2a*

*Environmental Results: Outputs: Number of new residential rain gardens, water conservation and storm water retention devices*

*Environmental Results: Outcomes: Volume of storm water collected/infiltrated, volume of potable water conserved.*

*Performance Measures: Improved storm water quality and beach water quality grades at Santa Monica Bay beaches; acres of habitats/green space created.*

## **1.5 Climate Change Adaptation and Climate Ready Program** ***Core Function = Facilitation***

Understanding the potential impacts of climate change and promoting adaptation planning are important objectives of the BRP. After TBF completed the Ballona Wetlands and Watershed climate change modeling and adaptation project with funding support from the USEPA Climate Ready Estuaries (CRE) Program, the SMBRC and TBF have continued to partner with the Los Angeles Regional Collaborative for Climate Change (LARC), USC Sea Grant and other local agencies to disseminate information related to climate change impacts and facilitate climate change adaptation by municipalities in the watershed. In 2013, the SMBRC teamed up with LARC, USC Sea Grant, City of Santa Monica, and Heal the Bay, to support a successful grant application by the City of Santa Monica for the State Coastal Commission/Conservancy LCP climate change adaptation grant. With the grant award, the collaborative team in the summer of 2014 formally launched Regional AdaptLA, a multi-year project that will gather data and assess Los Angeles' coastal region's exposure to sea level rise and coastal storms, model future beaches by examining regional shoreline change, identify vulnerable communities, assets, and ecosystems, and help communities begin an adaptation planning process. In FY16, SMBRC and TBF will continue to participate in this project, conduct outreach to coastal municipalities in Santa Monica Bay, and facilitate dissemination and exchange of information between the experts and stakeholders.

In FY16, TBF will work to secure funding and initiate two new climate change adaptation pilot projects: the Santa Monica Beach and Dune Restoration Pilot Project, and the kelp restoration/carbon sequestration pilot project. The Santa Monica pilot demonstration project will restore several acres of sandy coastal habitats on the beaches of Santa Monica to bring back a thriving plant community. Monitoring data will be collected under this project to evaluate the effectiveness of restored natural ecological functions of sandy beaches in protection of coastal infrastructure from sea level rise and erosion, while providing a vital refuge for wildlife. Specific project activities during FY16 involve beginning project partnerships; finalizing location, work plan, monitoring plan; conducting pre-restoration monitoring; implementing project and restore habitat; restricting grooming in restoration area; conducting post-restoration monitoring; and completing annual report.

The kelp restoration/carbon sequestration pilot project is an integral part of TBF’s on-going kelp restoration program. It is specially designed to demonstrate the benefit of kelp restoration in remediating the impacts of climate change through sequestration of atmospheric CO<sub>2</sub>. FY 16 activities include publication of data products, photos and videos to demonstrate to investors’ progress related to kelp restoration and generalized CO<sub>2</sub> sequestration. j

With support of the SMBRC, TBF was awarded two USEPA grants aimed at addressing climate change impacts. The first grant will support TBF in conducting broad, risk-based, climate change vulnerability assessments of the actions and milestones in the BRP to identify strengths and weaknesses of existing milestones to manage and adapt to the impacts of climate change. The second grant will support installation of a high precision instrument package for pH, dissolved oxygen, and pCO<sub>2</sub> to provide valuable time-series information on acidification and hypoxia in Santa Monica Bay and advance research on status and trends as well as response to acidification by biological communities in the Bay. Both projects will be carried out in FY16 in collaboration with many partner agencies and organizations.

The SMBRC and TBF will also continue to identify and seek additional funding for beach sediment management and habitat restoration projects as environmental-friendly “soft” and “living” solutions to address the impact of sea level rise in the beach and adjacent ecosystems of the Bay.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Continue to carry out the Local Coastal Plan Sea Level Rise Adaptation project.	SMBRC, TBF	Participate	USC Sea Grant*, LARC, Heal the Bay, City of Santa Monica, other coastal jurisdictions	Targeted completion date: December 2016
Carry out the Santa Monica Beach and Dune Restoration pilot demonstration project.	TBF	Lead	City of Santa Monica, Audubon Society	Targeted completion date: December 2017
Carry out the kelp restoration/carbon sequestration pilot project.	TBF	Lead	Climate Cents, Academic researchers	Targeted completion date: September 2018
Conduct vulnerability assessment of BRP objectives and milestones	SMBRC, TBF	Lead	Multiple stakeholders TBD	Targeted completion date; September 2016
Install new pH/CO <sub>2</sub> sensors in Santa Monica Bay.	SMBRC	Lead	LA County Sanitation District, City of LA Bureau of Sanitation, Southern California	Targeted installation completion date: September 2016. Data collection and device maintenance continues in future years

			Coastal Water Research Project (SCCWRP)	
Develop and seek funding for beach sediment management and habitat restoration projects	SMBRC, TBF	Facilitate	LACFCD*	Ongoing dialogue with different parties throughout the work plan time period

\*Project lead.

Linked BRP Objectives and Milestones: 4.5a-c

*Environmental Results: Outputs: Assessment of climate change (sea level rise and storm surge) impact on beach profile, GIS-based maps designed for use by the cities and county departments, number of training sessions conducted and number of people trained, policy and LCP revision recommendations for adapting to the impacts of climate change, updated BRP, and new ocean acidification monitoring station installed.*

*Environmental Results: Outcomes: Increased awareness of climate change impacts, increased amount and availability of knowledge and tools for use in adaptation planning, wetland restoration planning and long-term management planning with climate change adaption strategies incorporated, improved collaboration among local agencies and research organizations in addressing climate change impacts, and restored acres of coastal strand and dune habitat.*

*Performance Measures: Report/research publications on climate change impact assessment, number and status of climate change adaption plans developed and LCP updated locally, and pH/CO2 monitoring data collected, analyzed, and utilized for assessment.*

**1.6 Clean Bay Restaurant Certification Program**  
***Core Function = Facilitation/Implementation***

The SMBRC and TBF initiated the Clean Bay Restaurant Certification Program in 2008 in order to help beach communities address a significant potential source of pollution – local restaurants. The Certification Program is a collaborative partnership between local agencies, businesses, and consumers and advocates for environmental stewardship and helps cities meet TMDL requirements by preventing storm water pollution by restaurants. Seven cities and an average of 300 restaurants participate in the program.

In FY16, the SMBRC and TBF will continue coordination and promotion of the program and update certification to reflect revised MS4 permit requirements. As more communities in the Santa Monica Bay watershed become aware of the Program and its importance, staff will also work with various local municipal governmental COGs to work with cities to acquire funding for

outreach activities (i.e., donations, sponsorship, grants, etc.), and to expand the program to other areas of the watershed.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Continue coordination and promotion of the program and update certification. Work to acquire funding and expand the program	SMBRC, TBF	Lead	Cities in Bay watershed	Target completion date for certification update: August 2015. Possible inclusion of additional cities starting September 2015.

*Linked BRP Objectives and Milestones: 2.5a*

*Environmental Results: Outputs: number of restaurant inspections, and number of restaurants certified.*

*Environmental Results: Outcomes: Greater awareness of clean Bay issues will lead to greater involvement by the public and increased participation of restaurants, and reduced runoff from participating restaurants.*

*Performance Measures: Number of cities participating, number of restaurant inspections, and number of restaurants certified.*

**2. Wetland and Other Coastal Habitat Restoration**

**2.1 Facilitate restoration of priority wetlands**

*Core Function = Facilitation/Implementation*

Ballona Wetlands

Restoration of the Ballona Wetlands Ecological Reserve (Reserve) is a top priority of the SMBNEP. The development of the Ballona Wetlands Restoration Plan has been a multi-year process. The lead agencies are the California Department of Fish and Wildlife (CDFW) and the SCC. With funding support from the SCC, TBF conducted and completed a two-year baseline monitoring data collection and baseline condition assessment project, and assisted SCC in initiating and proceeding with the CEQA/NEPA process for the Reserve restoration planning. Additional SCC funding has facilitated more data collection and TBF technical expertise to be provided to the restoration Project Management Team. Based on the results of the baseline and data collection assessments, TBF also initiated the development of a regional Level-3 long-term monitoring program for wetland habitats. With grant funding awarded from the USEPA Wetland Program Development Grant, the SMBRA and TBF have partnered with the Southern California

Coastal Water Research Project (SCCWRP), California State University Channel Islands (CSUCI), and the Southern California Wetlands Recovery Project (WRP) to develop the framework for Level 3 monitoring and field test numerous protocols. The current grant for this project ends July 2015. SMBRA and TBF plan to apply new grant funding and expand the program in FY16.

In FY16, the SMBRA and TBF will continue to conduct data collection and help partner agencies with environmental impact review and permit applications for the restoration of the Reserve. Specific activities in FY16 include continuation of passive or targeted monitoring as requested by DFW or SCC; completion of quarterly reports; completion of 5-year comprehensive monitoring report, completion of technical review of Draft EIR; completion of technical review of supporting reports and literature; release of Draft EIR; compilation of public comments; and review of admin EIR.

In FY16, TBF will also continue to develop and implement communications strategies in partnership with the lead agencies to continue to involve the public using a variety of methods and opportunities for engagement. Specifically, TBF staff will complete a communication plan, conduct community outreach through a variety of online and print media, conduct tours and presentations, update websites and social media with relevant information to the DEIR and complete and distribute multiple newsletters.

Additionally, in FY15, TBF applied for and received funding to implement interim stewardship management of the Ballona Wetlands Ecological Reserve through community engagement and invasive species removal in a portion of the Reserve that will not be affected by the larger restoration project planning efforts. TBF will begin implementation of this project in FY16. Specific activities will include finalization of partnerships, finalization of work plan, a minimum of 5-10 public, community restoration events and the restoration of approximately 3 acres of invasive iceplant habitat in the Reserve post-restoration assessment, and completion of final report . TBF will also continue to participate in other cleanup efforts and trash removal projects throughout the Reserve.

### Malibu Lagoon

Restoration of Malibu Lagoon is also a top priority of the SMBNEP. After years of planning and completion of the Phase I and the affirmative court ruling dismissing the legal challenge, Phase II restoration of Malibu Lagoon broke ground in the summer of 2012 and was completed successfully in May 2013. After completion of the restoration, the SMBRA and TBF have taken the lead in conducting post-restoration monitoring. In FY15, TBF completed the 2-year post-restoration monitoring report and compared the resulting data to pre-restoration site conditions and data. Based on data collected thus far, the project has been a resounding success, showing increases in water circulation and dissolved oxygen, removal of the pre-restoration “dead zones”, and a healthy and thriving wildlife community. In FY16, the SMBRA and TBF will continue to coordinate and work with partner state agencies and other stakeholders to conducting post-restoration maintenance and monitoring, continue assistance in invasive removal and project maintenance; continue public outreach, and complete annual public reports.

Other coastal lagoons and wetlands

The SMBRC will continue working with Los Angeles County and through bond funding support to complete restoration of the Oxford Basin, The SMBRC and TBF will also seek funding to develop historical ecology and conceptual restoration plans for Trancas and other coastal lagoons in Santa Monica Bay.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Conduct data collection and assist with the environmental impact review and permit application for the Ballona Reserve	TBF	Participate	CDFW*, USACE, SCC, LAC Flood Control	Draft EIR/EIS will be released Dec 2015; minimum 45 day public comment period; Final, Certified EIR/EIS in 2016
Continue developing communication strategies and public outreach and involvement	TBF	Participate	CDFW*, SCC	Ongoing throughout the work plan time period, at least one activity per month.
Implement interim stewardship management through community engagement and invasive species removal ("FIX Ballona")	TBF	Lead	CDFW, FBW, CUREs	Complete by December 2016
Assist in ongoing trash removal and maintenance projects at the Ballona Reserve	TBF	Participate	CDFW*, FBW	Ongoing throughout the work plan time period
Development of the regional Level 3 protocol standardization manual and associated products	SMBRA, TBF	Lead	SCCWRP, CSUCI, CWMW	Current grant ends July 2015. Potential to apply new grant funding in FY15 and expand the program in FY16
Malibu Lagoon post-restoration maintenance and monitoring	SMBRA, TBF	Participate	State Parks*, RCDSMM, Cooper Ecological	Ongoing through 2017. Annual, Comprehensive Monitoring Reports will be produced each year for five years. Monitoring frequency is variable based on parameter.

Restoration of the Oxford Basin (See Task 1.1 for detail)	SMBRC	Participate	LACFCD*, SWRCB	Targeted completion date: December 2016
Seek funding to develop historical ecology and conceptual restoration plans for Trancas and other coastal lagoons.	SMBRC	Participate	TBD	Ongoing throughout the work plan time period

\*Project lead.

*Linked BRP Objectives and Milestones: 7.1a, 7.1b, 7.2a, 7.6a, 7.8a, 7.8b*

*Environmental Results: Outputs: Implementable restoration plans and restoration project(s) initiated.*

*Environmental Results: Outcomes: Acres of wetland habitat restored, improvement in ecosystem functions and connectivity in major coastal wetland complexes measured by CRAM scores, and increased public and stakeholder engagement.*

*Performance Measures: Completed EIR/EIS documents, monitoring protocols, reports of monitoring results, acres of habitat protected or restored.*

## **2.2 Facilitate Stream Restoration and Protection**

### ***Core Function = Facilitation/Implementation***

Riparian habitat restoration is a relatively new initiative of the SMBNEP and is addressed by several objectives in the 2013 BRP Update. With few natural streams remaining in the watershed due to increasing encroachment of urbanization, naturalization of flood control channels and daylighting of culverted streams become a high priority. Building upon the progress made in previous years, activities in FY16 will include:

- In partnership with Heal the Bay and other organizations, facilitate the adoption of a stream protection ordinance by local jurisdictions
- Apply results of the historical ecology and water budget studies for the Ballona Creek watershed in developments of new restoration project concepts
- Implement more fish barrier removal projects, including the Arroyo Sequit fish passage removal project (See Task 1.1 for more details).
- Pursue restoration of lower Topanga Creek and work with stakeholders in the Topanga Creek watershed to move forward with the CEQA review of the proposed CalTrans project to restore Topanga Creek narrows and replace the PCH bridge at Topanga Lagoon.
- Implementation of maintenance of the Stone Canyon Creek restoration.
- Continue to build support and seek funding for implementation of the Ballona Creek Greenway Plan, including completion of the Milton Street Park project along the Ballona Creek (See Task 1.1 for more details).
- Facilitate completion of the Rindge Dam removal feasibility study.

In addition, the SMBRC and TBF will continue to lead efforts to address the environmental damage caused by invasive species, including continuing to conduct and report on the result of the annual mudsnail infestation surveys in the Northern Bay watershed, facilitating and participating in projects for eradication of crayfish and other invasive species in the North Bay/Santa Monica Mountains watersheds.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Facilitate adoption of a stream protection ordinance by local jurisdictions	SMBRC	Facilitate	City of LA*, other watershed cities, Heal the Bay	Ongoing throughout the work plan time period
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	Municipalities in the Ballona Creek Watershed*	Ongoing throughout the work plan time period
Carry out more fish barrier removal projects, including the Arroyo Sequit fish passage	SMBRC, TBF	Facilitate	State Parks*	Ongoing throughout the work plan time period (See Task 1.1 for Arroyo Sequit fish passage project timeline.)
Support restoration of lower Topanga Creek	SMBRC	Facilitate	State Parks*	Ongoing throughout the work plan time period
Carry out maintenance of the Stone Canyon Creek restoration	TBF	Lead	UCLA	Continue monthly volunteer restoration events throughout the work plan time period
Continue to build support and seek funding for implementation of the Ballona Creek Greenway Plan.	SMBRC	Facilitate	SCC, MRCA, Baldwin Hills Conservancy, City of Culver City, City of LA, LA County	Ongoing throughout the work plan time period
Facilitate completion of the Rindge Dam removal feasibility study (See Task 1.1 for details).	SMBRC	Facilitate	U.S. Army Corps of Engineers (USACOE)*, State Parks, SCC	Targeted completion date: Dec. 2017, targeted implementation in 5-10 years
Conduct and report on the result of the annual mudsnail infestation surveys in the Northern Bay watershed	SMBRC, TBF	Lead	N/A	Ongoing survey annually

Facilitate projects for eradication of crayfish and other invasive species in the North Bay/Santa Monica Mountains watersheds.	SMBRC, TBF	Facilitate	National Parks Service*, MRCA	Ongoing throughout the work plan time period
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\*Project lead.

*Linked BRP Objectives and Milestones: 4.1a, 7.4a-e, 7.5a-c,*

*Environmental Results: Outputs: stream protection policy and ordinance adopted by watershed cities.*

*Environmental Results: Outcomes: Linear miles of streams protected/restored, improved riparian and aquatic habitat and biodiversity as measured by California Stream Condition Index (CSCI) scores, increased linear miles of passage for endangered southern steelhead trout, improved water quality measured by fewer related 303d listings, reduced erosion/sedimentation as shown by monitoring data, and reduction and effective control of invasive species populations.*

*Performance Measures: Adopted stream restoration policies; number of stream restoration projects planned or underway, and linear miles of streams protected/restored.*

### **3. Marine Habitat Protection and Restoration**

#### **3.1 Promote Marine Ecosystem Protection through Outreach and Information Sharing**

##### ***Core Function = Facilitation/Implementation***

The establishment and effective management of marine protected areas (MPAs) in Santa Monica Bay are one of the top priorities of the SMBNEP. Since establishment of the MPAs in early 2010, SMBNEP has participated in implementation the State MPA monitoring plan, mainly through partnering with Vantuna Research Group to conduct monitoring and assessment of subtidal rocky reef habitats. TBF has also initiated and carried out the ocean vessel aerial monitoring project since 2010.

During FY16, the TBF will continue to carry out the ocean vessel aerial monitoring project. This project documents the location, type and activity of ocean vessels operating in state waters with the purpose of informing the south coast Marine Life Protection Act Initiative with a fishery independent data set on the expanse and type of fishing effort in Southern California. Data collected throughout the first two phases of the project were analyzed and to describe trends and responses by the fishing community and others, resulting from the newly established network of MPAs and to aid CDFW in improving the effectiveness of MPA enforcement throughout southern California. After completing the second phase of this project in FY 16, TBF will develop and implement a new plan of aerial monitoring with optimal flight frequency based on

power analysis of previously collected data. Assessment of impacts to fishing, via fishing closures, and reduced ecological production as a result of the refugio oil spill are also in development as part of this effort. Specific activities associated with this project during FY16 will include quarterly survey flights, development of distribution models for commercial and recreational fishing vessels, communication with SoCal MPA Collaborative, Ocean Science Trust, MPA Monitoring Enterprise, CADFW, and completion of annual report.

In FY16, in addition to MPA-related monitoring and surveys, TBF will continue to explore funding and partnership opportunities for conducting various projects that promote marine ecosystem protection. These activities may include:

- Participate in the Los Angeles MPA Collaborative to facilitate management and overcome monitoring and enforcement challenges.
- Promote and/or participate in development of fishery management for spiny lobsters, California halibut, etc., and promote involvement of local fisherman in fishery management issues.
- Facilitate the All-ashore sandy beach ecology citizen monitoring project with partners (Pepperdine U., UC Santa Barbara, etc
- Collaborate with PV cities and seek additional resources to promote protection of intertidal habitats on PV through outreach and other mechanisms.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Develop and implement new phase of the ocean vessel aerial monitoring project	TBF	Lead	California Department of Fish and Wildlife*, State MPA Monitoring Enterprise, Ocean Science Trust, Vantuna Research Group, Los Angeles Waterkeeper, Heal the Bay, Fishing Community, Pepperdine University, LA County Dept. of Beaches and Harbors, State Parks	Survey flights quarterly , development of distribution models and annual report. Targeted completion date: September 2018
Promote and/or participate in development of fishery management for spiny lobsters, California halibut, etc., and promote involvement of local fisherman	SMBRC, TBF	Promote	CDFW*	Ongoing throughout the work plan time period
Facilitate the All-ashore sandy beach ecology citizen monitoring project	SMBRC, TBF	Facilitate	Pepperdine University.*, UC Santa Barbara	Ongoing throughout the work plan time period
Collaborate with PV cities and seek additional resources to promote protection of intertidal habitats on PV through outreach and other mechanisms	TBF	Facilitate	Municipalities on PV Shelf*, CDFW	Ongoing throughout the work plan time period

\*Project lead.

*Linked BRP Objectives and Milestones: 4.2a-d, 4.3a-c, 4.3f, 4.4a-c, 8.2c-e, 9.2a-c,*

*Environmental Results: Outputs: Aerial monitoring data, beach monitoring protocol, and newly adopted fishery management plans.*

*Environmental Results: Outcomes: Increased population and diversity of marine organisms as shown by monitoring data, increased and more sustainable harvest of local seafood, and increased public awareness of the value of marine resources measured by number of outreach events and participants.*

*Performance Measures: Increased resources for enforcement and monitoring of established MPAs. Reduced number of MPA regulation violations, type and number of outreach conducted, increases in species diversity and abundance in MPAs.*

### **3.2 Conduct and Support Research of Important Marine Habitats and Species** ***Core Function = Implementation***

The restoration of green and pink abalone; (*Haliotis fulgens* and *Haliotis corrugata* respectively) continues to be of great importance to the SMBNEP. To facilitate local recovery of these species, TBF obtained grant funding and initiated research on abalone population level genetics and development of disease prevention protocols. In FY16, this research will continue and move into the next phase which involves release and restoration of abalone outplanted onto Palos Verdes. Specifically, the project will involve four events of deck spawning, four events of captive spawning, one event of juvenile outplanting, one event of veliger outplanting, and weekly, biweekly and monthly monitoring of outplanting locations. TBF will also explore partnership with Santa Monica Pier Aquarium and other organizations to promote abalone restoration.

The SMBRC and TBF will also continue to support research and monitoring efforts by federal, state, and local entities on the extent and impacts of harmful algal blooms and incidence of fish kill, starfish wasting diseases, etc. Additional effort will be made to assess and protect eelgrass. This effort will be aided by key partnerships with other federal agencies and the SMBRC and TBF will assist federal partners in assessment of offshore eelgrass beds in Santa Monica Bay.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Conduct and promote abalone study and release and restore abalone broodstock onto Palos Verdes Shelf	TBF	Lead	National Oceanic and Atmospheric Administration (NOAA), CDFW	Regularly scheduled deck spawning, captive spawning, juvenile outplanting, and veliger outplanting events, weekly, biweekly and monthly monitoring of outplanting locations. Targeted completion date: September 2017

Conduct study of physical oceanographic responses to kelp restoration projects	TBF	Lead	SCC, Academic Researchers	Targeted completion date: September 2017
Assist federal partners in assessment of offshore eelgrass beds in Santa Monica Bay	TBF	Facilitate	NOAA*	Ongoing throughout the work plan time period

\*Project lead.

Linked BRP Objectives and Milestones: 4.3c, 9.3a, 9.4a, 9.4b

Environmental Results: Outputs: Summary report and publication of research results.

Environmental Results: Outcomes: Reintroduction and increase in population of abalone in the Bay, increased halibut stock in the Bay, and determination of existing and possible increased acreage of eelgrass bed.

Performance Measures: Amount of funding and other resources secured for research and monitoring of the concerned species, and amount of funding and other resources secured for fishery species and eelgrass habitat restoration.

### **3.3 Restore and Enhance Rocky Reef Habitat** *Core Function = Implementation*

The SMBNEP has a long history in working with several partner organizations and engaging in restoration of rocky reef/kelp habitats, which is one of the most productive and diverse marine ecosystems in the world. A newly expanded, multi-year rocky reef/kelp restoration project by TBF began in the summer of 2013 and has cleared more than 2.6 million purple sea urchins from 28 acres of reef. In FY16, TBF will continue to carry out this restoration project off the Palos Verdes shelf which is expected to result in restoration of 20 acres of kelp forest. Semi-annual report to NFWF and annual report to CDFW will be developed to document the activities, including pre and post-restoration monitoring, and results of the projects

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Carry out the multi-year rocky reef/kelp restoration project	TBF	Lead	CDFW, NOAA Montrose Settlement Restoration Program (MSRP) trustees, NMFS, Vantuna Research Group (Occidental College), Commercial Sea Urchin Harvesters, OPC, SCC, , Los Angeles Waterkeeper, , Southern California Marine Institute, others	Ongoing throughout the work plan time period with Restore 20 acres of kelp forest in FY16. Targeted completion date: September 2018

*Linked BRP Objectives and Milestones: 9.1a, 9.1b 9.3, 9.4*

*Environmental Results: Outputs: Amount of funding obtained for rocky reef monitoring and restoration*

*Environmental Results: Outcomes: Restored rocky reef habitats that lead to increased biomass and diversity of marine life within the restored rocky reef habitats as shown by monitoring data.*

*Performance Measures: Acres of rocky reef habitat restored, amount of sea urchin removed, recovery of giant kelp, (size, density and number) of finfish, invertebrates, and macroalgae.*

**3.4 Restore Coastal Dune and Bluff Habitats**  
**Core Function = Implementation**

The SMBNEP has a long history of supporting and engaging in the restoration of coastal dune and bluff habitats, including restoration of coastal dunes in the Ballona Wetlands, beach bluff at Redondo Beach, and three coastal bluff sites on the Palos Verdes Peninsula. TBF has been

supporting restoration efforts of the El Segundo Dune at Los Angeles World Airports through coordination of volunteer non-native vegetation removal events. In FY16, TBF will explore additional opportunities and partnerships to participate in and promote restoration of more coastal dunes and bluffs along the Bay coast.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Participate and promote coastal dune and bluff habitat restoration	TBF	Participate	Multiple partners (to be determined)	Ongoing throughout the work plan time period

*Linked BRP Objectives and Milestones: 8.1a-d*

*Environmental Results: Outputs: Amount of funding obtained for coastal dune and bluff restoration*

*Environmental Results: Outcomes: Restored coastal dune and bluff habitats that lead to increased native vegetation and re-establishment of endangered species.*

*Performance Measures: Acres of coastal dune and bluff habitat restored, amount of native vegetation planted, recovery of El Segundo blue butterfly population.*

## **4. Education and Outreach**

### **4.1 Conduct General Outreach**

#### ***Core Function = Program Management/Implementation***

In FY16, the SMBRC and TBF will continue to conduct general outreach through regular publication of the electronic newsletter, the Journal *Urban Coast*, and the SMBNEP’s annual report. The SMBRC and TBF will also continue its effort to reach out and generate local, regional, and national media coverage in various forms, and utilize social media and website.

In FY16, TBF will continue its outreach regarding the benefits and scientific underpinnings of wetland restoration in the Bay watershed and Southern California Bight. Specifically TBF will continue to engage the public through activities described in Task 2.1 above.

In addition, TBF will continue to develop and expand its ever popular internship and volunteer programs, supporting an increase in knowledge and hands-on action for students and post-

graduates alike. This program provides firsthand experience in the scientific underpinning of wetland restoration in the Bay watershed and encourages participation in stream assessment and restorations, rain gardens, kelp restoration, and many other activities. Specifically in FY16, TBF will continue ongoing search for volunteers, interns, and student participants in TBF projects, and continue coordination with partner organizations and universities.

Every year on the third Saturday of September, thousands of volunteers participate in the International Coastal Cleanup Day Event to remove trash from beaches and inland waterways. TBF will continue participate in this event through partnership with other organizations.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Urban Coast Journal	TBF (Center for Santa Monica Bay Studies)	Lead	LMU	Ongoing annually
SMBNEP annual report	SMBRC, TBF	Lead	n/a	Ongoing annually
Social media and website	SMBRC, TBF	Lead	n/a	Ongoing throughout the work plan time period
Continue internship and volunteer program	TBF	Lead	CURes	Ongoing throughout the work plan time period
Coastal Cleanup Day	TBF	Participate	Heal the Bay*, CA Coastal Commission*	September (3rd Saturday) 2016

\*Project lead.

*Linked BRP Objectives and Milestones: All, especially 1.1c, 2.6a, 2.6b, 4.6c*

*Environmental Results: Outputs: Outreach publications and other materials, including the Urban Coast journal. Number of website and Facebook visits, Twitter feed, YouTube and Instagram followers and output, etc., Number of people participating in Coastal Cleanup events.*

*Environmental Results: Outcomes: Greater awareness of SMBNEP's activities and resources (technical, financial, and otherwise) will lead to greater involvement by stakeholders in implementing the environmental improvements mandated the BRP. Pounds of trash removed during the Coastal Cleanup Day.*

*Performance Measures: Increase in the degree to which target audiences have an understanding of and are involved in SMBNEP's BRP implementation efforts. Increase in the number of people participating in Coastal Cleanup events.*

**4.2 Continue overseeing the Boater Education Program**  
*Core Function = Implementation*

The Boater Education Program (BEP) provides outreach to the southern California boating community regarding the prevention of recreational boat generated pollution (e.g., sewage, bilge water, and used oil). Specific components of the program include: 1) creating and disseminating clean boating publications such as the statewide Changing Tide newsletter, Southern California Boater’s Guide and eBook, Boater Kits, Southern California Boating Guide and Tidetables; 2) implementing Honey-Pot Day 3) conducting direct outreach at boating events; and 4) conducting pumpout monitoring.

The program is funded primarily through grants to the SMBRA from the California Department of Boating and Waterways. SMBRA will continue to partner with TBF to oversee and implement the program on a day-to-day basis. Through this grant, the program will include participation in 13 boating events, distribution of 7,000 boater kits statewide, hosting four Dockwalker trainings in Southern California, and hosting Honey Pot Days with a targeted properly dispose of 4,500 gallons of sewage and education of 120 boaters through an online course. Pumpout monitoring will continue on a quarterly basis and annual Pumpout Usage Report will be developed and made available to the general public. The program will also continue to provide coordination and related administrative services to the state-wide program. TBF will also make effort to increase used oil recycling opportunities, development of new technologies for boaters to access clean boating amenities (i.e. smart phone apps), and investigating additional funding sources for these activities.

TBF has also received a grant from CalRecycle to prevent boating related oil pollution. Through this grant, four new absorbent pad exchange programs will be established, one bilge pumpout station will be installed. In addition, the BEP will continue its direct outreach to boaters about proper oil spill prevention through publications and face-to-face education. The BEP will give boaters the tools, resources, and knowledge needed to become environmental stewards and prevent pollution.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Publications and presentations	SMBRA, TBF	Lead	CA State Parks Division of Boating and Waterways, CA Coastal Commission, Contra Costa County	Ongoing through December 2016 (Current Clean Vessel Act Grant timeline: January 2015-December 2016)

Participation of boating events	SMBRA, TBF	Lead	US Coast Guard Auxiliary, US Power Squadrons, CA State Parks Division of Boating and Waterways, CA Coastal Commission	Ongoing through December 2016 (Current Clean Vessel Act Grant timeline: January 2015-December 2016)
Honey Pot Day	SMBRA, TBF	Lead	San Francisco Estuary Partnership, CA State Parks Division of Boating and Waterways	Ongoing through December 2016 (Current Clean Vessel Act Grant timeline: January 2015-December 2016)
Pumpout monitoring	SMBRA, TBF	Lead	San Francisco Estuary Partnership, CA State Parks Division of Boating and Waterways	Ongoing, quarterly
Oil absorbent pad exchange programs	TBF	Lead	CalRecycle, City of Oceanside, LA County Beaches and Harbors, Del Rey Fuels, Sun Harbor Marina	Ongoing through April 2016 (Current CalRecycle Grant timeline: April 2014-April 2016)
Install one bilge pumpout station	TBF	Lead	CalRecycle, City of Oceanside	Ongoing through April 2016 (Current CalRecycle Grant timeline: April 2014-April 2016)
Outreach to boaters about proper oil spill prevention through publications and face-to-face education	TBF	Lead	US Coast Guard Auxiliary, US Power Squadrons, CA State Parks Division of Boating and Waterways, CA Coastal Commission	April 2016

*Linked BRP Objectives and Milestones: 2.4a-d*

*Anticipated Environmental Results: Outputs: Southern California Boater's Guide (interactive eBook), Boater Kits, and other educational materials.*

*Anticipated Environmental Results: Outcomes: Increased opportunities to receive environmental education about boat generated pollution, increased use of used oil recycling amenities, decreased amount of illegal sewage discharges, and amount of technical assistance provided through facilitation of the California Clean Boating Network and other clean boating groups.*

*Performance Measures: Indirect measurements of numbers of individuals reached through social marketing techniques (e.g., number of individuals outreached at Dockwalker trainings and events, boat shows, and other boating-related events) and through newsletters and other education and outreach avenues, indirect measurements of the outreach effectiveness via Clean Boater Questionnaires, and amount of properly disposed sewage,*

**4.3 Oversee the Public Involvement and Education Mini-grants Program**  
***Core Function = Implementation***

The Public Involvement and Education (PIE) mini-grants program is one of SMBNEP’s most popular programs. For over more than a decade, the PIE program has provided seed money to more than 50 recipients for more than 80 projects. These projects have been a catalyst for innovative and engaging outreach and project implementation in our watershed and, through them, the SMBNEP raises awareness of local environmental issues and inspires the stewardship needed to protect the health of our waters and our communities. In FY16, TBF plans to initiate a new round of the PIE program.

If successful, specific tasks related to this new round of PIE program include

- Development and release of RFP
- Project proposal review and selection
- Project contract development and execution
- Oversee project implementation

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Raise funding from local sponsors and initiate a new round of PIE program.	TBF	Lead	Multiple stakeholders (to be determined)	Target date to initiate a new round: August 2016

*Linked BRP Objectives and Milestones: 2.7a*

*Environmental Results: Outputs: Number of PIE projects awarded, in progress, or completed; total amount of PIE grant funding.*

*Environmental Results: Outcomes: Greater awareness of the Bay issues and resources measured by the type and number of education/outreach events and number of participants.*

*Performance Measures: Feedback provided by PIE recipients; when applicable, pre- and post-surveys to determine change in public knowledge and behaviors.*

**4.4 Participate in the Palos Verdes Shelf Institutional Controls Program (2012 Work Plan Task J)**

***Core Program = Facilitation/Implementation***

SMBRC will continue to support and participate in USEPA’s PV Shelf Superfund Site Institutional Control Program, especially the activities of the Fish Contamination Education Collaborative (FCEC). SMBRC will also continue to participate in USEPA’s contaminated sediment cleanup efforts for the Palos Verdes Shelf and continue to monitor and participate in other restoration activities overseen by the Montrose Settlement Restoration Program.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Participate in FCEC risk communication activities	SMBRC	Participate	USEPA*, FCEC, State Office of Environmental Health Hazards Assessment (OEHHA), community-based nonprofits and other stakeholders	Ongoing throughout the work plan time period
Participate in review of contaminated sediment cleanup plan	SMBRC	Participate	USEPA*, MSRP	Ongoing throughout the work plan time period

\*Project lead.

*Linked BRP Objectives and Milestones: 11.3a,b, 11.4a-e, 11.5a&b*

*Environmental Results: Outputs: New strategic plan for the FCEC and number of risk communication/outreach materials distributed.*

*Environmental Results: Outcomes: Number of people reached with FCEC messages and increased public understanding of fish contamination issues, reduced exposure to health risk from consuming fish from Santa Monica Bay and other nearby coastal waters.*

*Performance Measures: Number of people in target populations who are knowledgeable about fish contamination issues and number who have modified their behavior as a result.*

## 5. Planning, Monitoring, and Program Management

### 5.1 Increase funding and/or develop new financing mechanisms for BRP implementation

#### *Core Function = Program Management*

The SMBNEP has been extraordinarily successful in securing funding for implementing the BRP (e.g., \$63 million through Prop. 12, 50, and 84 bond funds since 2000). TBF and the SMBRC have also successfully identified many new sources of grant funding in recent years. However, available resources are still far from meeting the financial needs of full BRP implementation. Sustaining a stable source of funding to ensure continued progress in BRP implementation remains a daunting challenge. Different sources are also required to maintain and build capacity within the SMBRC and to manage and operate programs that are not eligible for bond funds.

TBF has moved forward and made progress in soliciting contributions from partners and supporters to increase TBF’s cash reserve. During FY16, TBF will continue to seek public and private funding contributions. TBF will also continue to update fundraising strategies, investigate and develop new partnership opportunities and new sources of grant funding, especially grant funding made available under Prop. 1, and continue to work with congressional delegates to solidify and expand support for additional federal funding. Furthermore, the SMBRC will continue to support the collaborative effort of local environmental and business communities for the County-wide storm water and urban runoff funding measure.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Seek public and private funding contributions	TBF	Lead	Multiple stakeholders (to be determined)	Ongoing throughout the work plan time period
Update fundraising strategy, develop new partnerships and funding sources including Prop. 1 grants.	SMBRC, TBF	Lead	Multiple stakeholders (to be determined)	Ongoing throughout the work plan time period
Support the collaborative effort of local environmental for the County-wide storm water/urban runoff funding measure.	SMBRC	Support	LA County*, Cities in the watershed, environmental groups	Ongoing throughout the work plan time period. LA County may re-initiate the effort in 2016

\*Project lead.

*Linked BRP Objectives and Milestones: All, especially 1.5a*

Environmental Results: Outputs: *New sources of financial support for BRP implementation.*

Environmental Results: Outcomes: *Increase in the rate at which the health of Santa Monica Bay is improving.*

Performance Measures: *Amount of new funding requested and/or secured, especially from new sources.*

## 5.2 Inter-agency coordination and involvement

### *Core Function = Facilitation*

Effective implementation of the BRP, especially new policies and program initiatives included in the 2013 BRP Update, relies on close inter-agency coordination and collaboration. Many inter-agency task forces and committees are active in the Bay watershed, addressing issues pertinent to Bay water quality and habitat restoration. Coordination with and participation in the activities of these task forces and committees are important mechanisms for increasing stakeholder involvement in BRP implementation. Many of these task forces and committees are focused on projects directly related to the implementation of BRP actions (e.g. State Aquatic Species Task Force, Wetland Recovery Project Managers Group, Interagency Workgroup for Integrated Wetlands Regional Assessment Monitoring, State Clean Beach Task Force, Southern California Beach Water Quality Work Group, State Urban Greening Technical Advisory Committee, Jurisdictional Group 5&6, California Wetlands Monitoring Workgroup (CWMW) and L3 Subcommittee, California Water Quality Monitoring Council (CWQMC), Beach Ecology Coalition, Green LA Urban Ecosystem Strategic Planning Committee, Southern California Academy of Sciences Board of Directors, Friends of LAX Dunes, Board of Directors, Loyola Marymount University’s Environmental Stewardship and Sustainability Committee, Friends of Ballona Wetlands’ Science and Restoration Committee). SMBRC and TBF will continue to participate in and contribute technical support to these groups.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
State Aquatic Species Task Force	SMBRC	Participate	CDFW* other resource management agencies	Ongoing throughout the work plan time period
Wetland Recovery Project Managers Group	TBF	Participate	17 partner agencies and organizations throughout CA	Bi-monthly meetings throughout the year
State Clean Beach Task Force	SMBRC	Participate	SWRCB*	Ongoing throughout the work plan time period

Beach Water Quality Work Group	SMBRC	Participate	SWRCB*, Health Depts. Storm water management agencies throughout Southern California	Ongoing throughout the work plan time period, meeting quarterly
Jurisdictional Group 5&6	SMBRC, TBF	Participate	South Bay cities*	Ongoing throughout the work plan time period, meeting bi--monthly
Beach Ecology Coalition	SMBRC, TBF	Participate	Pepperdine University*, local beach management agencies, environmental groups, etc.	Ongoing throughout the work plan time period, meeting annually
Green LA Urban Ecosystem Strategic Planning Committee	SMBRC	Participate	City of Los Angeles*	Ongoing throughout the work plan time period
California Wetlands Monitoring Workgroup	TBF	Participate	CWQMC* and many participating agencies and organizations	Quarterly meetings
CWMW, Level-3 Subcommittee	TBF	Participate	CWQMC* and many participating agencies and organizations	Meetings as needed, minimum semi-annually
Southern California Academy of Sciences (SCAS), Board of Directors	TBF	Participate	SCAS* and many participating scientists and universities	Ongoing until completion of 3-year term in 2017 and 2018, respectively for each staff member
Friends of LAX Dunes, Board of Directors	TBF	Participate	Los Angeles World Airports*, City of Los Angeles*, other interested stakeholders	Bi-monthly meetings throughout the year
Loyola Marymount University's Environmental Stewardship and Sustainability Committee	TBF	Participate	LMU*	Bi-monthly meetings throughout the school calendar year
Friends of Ballona Wetlands' Science and Restoration Committee	TBF	Participate	FBW*, LMU, Read and Associates, Cooper Ecological	Meetings as needed, minimum semi-annually

\*Project lead.

Linked BRP Objectives and Milestones: All

Environmental Results: Outputs: Aquatic Invasive Species Management Plan, projects funded under the CBI and Urban Greening programs, wetland monitoring protocol, beach monitoring protocol and best management practice manual, etc.

Environmental Results: Outcomes: Improved coordination among stakeholders, improved planning efforts, greater stakeholder involvement in BRP implementation and corresponding, increase in amount of leveraged resources, resolution of issues which may be impeding BRP implementation, and new or improved technical standards for projects implemented.

Performance Measures: Number of action items generated/implemented by inter-agency groups, number of new entities brought into the fold, and number of new research and capital projects funded and implemented in the Bay watershed.

**5.3 Implement the Comprehensive Bay Monitoring Program**  
***Core Function = Facilitation/Implementation***

The Santa Monica Bay Comprehensive Bay Monitoring Program (CMP) completed in 2007 represents the SMBRC's plan for implementing coordinated monitoring to provide a regional, long-term picture of the status of the various ecosystems in Santa Monica Bay, which are essential information needed to track, assess, and report on the environmental results of BRP implementation. The CMP specifies detailed monitoring designs for broad ecosystem components, each of which coordinates both existing and new monitoring and explicitly links indicator selection, sampling design, and intended data products that focus on specific scientific and management questions. In addition, the CMP includes an implementation plan that suggests how each design element of the Program could be funded through a combination of cooperative agreements, offsets to current compliance monitoring programs, and the pursuit of grant funding from a range of sources.

In FY16, the SMBRC will continue to facilitate implementation of the CMP. SMBRC will continue to work closely with the LARWQCB and permittees to incorporate implementation of the comprehensive monitoring program into NPDES permits. The SMBRC will also work with LARWQCB staff to convene meetings of NPDES dischargers to evaluate progress and facilitate CMP implementation and explore formation of monitoring coalition and other mechanisms to secure new funding sources to fill monitoring gaps. Specifically, staff will work with the discharges and the TAC to develop pilot fish larvae and deep reef surveys, addressing two long-time data gaps identified in the CMP. Meanwhile, staff will also work with TAC to evaluate the need for update of the CMP. Finally, the SMBRC will continue participation in development of habitat condition indices for rocky reef, and rocky and sandy beaches and facilitate volunteer survey of intertidal ecology.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Incorporate implementation of the comprehensive monitoring program into NPDES permits	SMBRC	Participate	LARWQCB*, NPDES permit holders.	Ongoing based on permit renewal schedule
Work with the discharges and the TAC to develop pilot fish larvae and deep reef surveys,	SMBRC, TBF	Lead	LACSD, City of LA Bureau of Sanitation, LARWQCB, SCCWRP, MPA Monitoring Enterprise	Estimated survey plan completion date: June 2016.
Participate in development of habitat condition indices for rocky reef, and rocky and sandy beaches	SMBRC, TBF	Participate	SCCWRP*, State Water Quality Monitoring Council*	Ongoing throughout the work plan time period

\*Project lead.

*Linked BRP Objectives and Milestones: 4.7a-e, 8.2c, 9.4a, 10.1a, 10.2a, 11.2b*

*Partner Organizations: LARWQCB, SCCWRP, State MPA Monitoring Enterprise*

*Environmental Results: Outputs: Environmental data generated from implementation of the monitoring program.*

*Environmental Results: Outcomes: Better, more comprehensive assessment of environmental conditions and the progress being made.*

*Performance Measures: Incorporation of monitoring requirements into NPDES permits and amount and quality of monitoring data collected to fill data gaps identified by the CMP.*

#### **5.4 BRP implementation progress tracking**

##### ***Core Function = Program Management***

In FY13, the SMBRC, with support of TBF, conducted a review of BRP implementation progress to support the update of the BRP. In FY16, staff will continue to improve the tracking of BRP progress toward achieving objectives and milestones laid out in the BRP. Progress will also be summarized and highlighted in the SMBNEP's annual report.

The annual Government Performance and Results Act (GPRA) reporting requires each NEP program to report on the acres or linear miles of habitat protected and restored, environmental indicators in use, and leveraged resources. SWRCB and TBF staff will compile the information and prepare and submit the GPRA report by September 1, 2016 for the reporting period October 1, 2015 - September 30, 2016. Geographic reference information for habitat restoration actions will be provided.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Improve BRP implementation tracking	SMBRC, TBF	Lead	All partner agencies and organizations responsible for BRP implementation	Ongoing throughout the work plan time period
Annual GPRA reporting	SMBRC, TBF	Lead	All relevant partner agencies and organizations	Complete and submit by September 1, 2016

*Linked BRP Objectives and Milestones: All*

*Environmental Results: Output: Semi-annual progress reports, GPRA report, and passage of program evaluation.*

*Environmental Results: Outcomes: More exposure and awareness of the SMB NEP’s accomplishments at the national level, maintenance or increase of the SMBNEP’s funding level.*

*Performance Measures: Extent of progress on individual projects, as reflected in the semi-annual reports and progress on other BRP actions as reflected in annual GPRA reports. Also, feedback provided by USEPA’s program evaluation team, number of SMBNEP successes highlighted in reports or other publications used to market the National Estuary Program and number of hits on SMBNEP websites, etc.*

## **5.5 State of the Bay reporting**

### ***Core Function = Program Management***

An important function of the SMBNEP, and a specific goal of the Federal NEP, is to report to the general public on the environmental condition of the Bay and its watershed. One important form of reporting for this purpose is a comprehensive “State of the Bay” report. The latest one, State of the Bay 2010 was completed and published in January 2010. The publication of the next report is scheduled for August 2015. In FY 16, after publication of the 2015 report, staff will continue to work with the TAC to refine the indicator matrix and improve data collection mechanisms in preparation for the next State of the Bay report in 2020.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Refine the indicator matrix and improve data collection mechanisms in preparation for the next State of the Bay report	SMBRC	Lead	n/a	Ongoing throughout the work plan time period

*Linked BRP Objectives and Milestones: All*

*Partner Organizations: All BRP Implementation leads and partners identified in the 2013 BRP Update*

*Environmental Results: Output: State of the Bay Report, database of environmental monitoring.*

*Environmental Results: Outcomes: Better informed decision-makers and other stakeholders who will be in a better position to act. Also, more awareness of the Santa Monica Bay NEP’s accomplishments at the national level; maintain or increase the Santa Monica Bay NEP’s funding level. Better informed decision-makers and other stakeholders who will be in a better position to act.*

*Performance Measures: Extent of environmental improvement demonstrated by the State of the Bay report; SMBNEP successes highlighted in reports or other publications used to market the National Estuary Program.*

## **5.6 Conduct general Governing Board support, organizational management and reporting activities**

### ***Core Function = Program Management***

The SWRCB and TBF staff will provide logistical and other staff support for meetings of the Governing Board/Bay Watershed Council, the Executive Committee, the Technical Advisory Committee, and the Watershed Advisory Council. SWRCB and TBF staff will provide support for the meetings of SMBRA Board of Directors. TBF staff will provide support for the meetings of the TBF Board of Directors. Specific tasks include preparation of meeting notices, agendas, staff reports, minutes, and resolutions.

SWRCB, SMBRA, and TBF staff will conduct general management and reporting activities following the procedures and protocols that have been established for ensuring the SMBNEP’s fiscal stewardship and program functions. Tasks include:

- TBF, with assistance from SMBRC, develops annual work plan and budget, in accordance with a systematic work plan and budget development process and master calendar.
- SMBRC and TBF prepare and submit semi-annual progress report.
- TBF prepares, oversees, and tracks the progress of USEPA grants and contracts associated with work plan.
- TBF processes grant submittals requesting funding from SMBNEP funding sources.
- TBF retains professional bookkeeping services for payroll, invoicing, tax filing, and other fiscal operations Prepare audits, insurance reviews, updates, etc.
- TBF conducts personnel management, including recruitment, performance assessments, training and professional development.
- TBF provide supports for general office functions, including maintaining mailing lists, photocopying, mailing, fielding public inquiries, and ordering supplies.
- Update Memorandum of Agreement between SMBRC and TBF as follows:
  - Change references to “Santa Monica Bay Restoration Foundation” to “The Bay Foundation”
  - At page 4, section IV., the second full paragraph should be amended to read as follows: *“The Foundation receives some of its funding in the form of a U.S. EPA grant pursuant to Clean Water Act section 320 (33 U.S.C. §1330) to implement the Bay Restoration Plan (also known as the Comprehensive Conservation and Management Plan). The Foundation also receives important grants and donations from other entities to support the Foundation and its activities. U.S. EPA oversees the grant, including conducting regular audits and oversight.”*

SWRCB and TBF staff will also respond to public information requests.

The SMBNEP is committed to implementing “green” measures to the fullest extent possible during all grant activities. TBF has already incorporated applicable “green” requirements into its organizational operating, contracting, and procurement policies and procedures. These policies and procedures will be reviewed in accordance with USEPA grant “greening” requirements and updated if necessary.

With respect to participation in federal NEP activities, SWRCB and TBF staff will continue to attend two annual meetings each year and may also be involved in planning the meeting activities and/or lead technical workshops during the meetings. In addition, staff will attend regional NEP meetings, workshops and special NEP-related training workshops when feasible. Staff may identify opportunities to make presentations at conferences and workshops in order to provide educational and technical assistance and share “lessons learned” with other NEPs and watershed-based organizations throughout the nation.

Task Description	Engaged SMBNEP Entities		Partners	Timeframe
	Entities	Role		
Support SMBRC and SMBRA board meetings, and TAC and WAC meetings.	SMBRC, SMBRA	Lead	n/a	Ongoing throughout the work plan time period, SMBRC Executive Committee and Governing Board meet bi-monthly, TAC meets quarterly, and WAC meets annually
Support TBF Board Meetings	TBF	Lead	n/a	Ongoing throughout the work plan time period
Conduct general management and reporting activities	SMBRC, SMBRA, TBF	Lead	n/a	Ongoing throughout the work plan time period
Response to public information requests	SMBRC	Lead	SWRCB, TBF	Ongoing throughout the work plan time period
Participate in EPA/NEP activities	SMBRC, TBF	Lead	n/a	Ongoing throughout the work plan time period

*Linked BRP Objectives and Milestones: All*

*Environmental Results: Outputs: Semi-annual progress reports, financial status reports, annual progress report; meeting notices, agendas, staff reports, minutes, and resolutions; presentations; reports on attendance at national meetings, trainings, workshops, etc.*

*Environmental Results: Outcomes: Program functioning (e.g., all reporting requirements are met and on time); program fiscal responsibility (e.g., annual reporting and tax filing, conformance to Board-approved internal controls, etc.), Smoothly functioning meetings planned with proper public notice; high level of participation by members and the public; and transparent and streamlined decision-making processes.*

*Performance Measures: Results of evaluation provided by USEPA Regional and headquarters staff, results of financial review or audit findings, etc.*

**Attachment A. Summary of On-Going Projects Funded through Prop. 12, 50 and 84 Grant Program**

<b>Project</b>	<b>Description</b>	<b>State Funding</b>	<b>Match</b>	<b>Time-line</b>	<b>Lead</b>	<b>Partners</b>
<b>Prop. 84</b>						
Oxford Basin Enhancement	Basin enhancement to improve water quality, restore habitat, reduce flood risk, and improve aesthetics, and provide passive recreational opportunities.	\$2M	\$2M min.	2015-2017	County of LA	
University Park Rain gardens	Install a minimum of 35 rain gardens in the University Park area of Los Angeles to treat all dry- and a portion of wet-weather runoff.	\$510K	\$90K	2011-2016	City of Los Angeles	USC, NGOs
Milton Street Park Project	Construction of BMPs to treat and infiltrate all dry- and a portion of wet-weather runoff along a 1,000' section of Milton Street in Los Angeles adjacent to Ballona Creek.	\$200K	\$455K	2014-2017	Mountains Recreation and Conservation Authority	City of Los Angeles
Stormwater Basin Enhancement	Improvements to three detention/infiltration basins to comply with wet and dry weather TMDLs for Santa Monica Bay, and	\$3.337M	\$1.265 M	2011-2017	City of Torrance	SMBRC, U.S. Bureau of Reclamation

	benefit wildlife habitat.					
<b>Prop. 50</b>						
Arroyo Sequit fish migration barrier removal Phase II	Design, engineering, and construction of two bridges to replace concrete at-grade (Arizona) crossings, and the removal of a 2' high check-dam on Arroyo Sequit Creek at Leo Carrillo State Beach. The project will result in access to 4.5 miles of habitat to the endangered southern steelhead trout in the Arroyo Sequit watershed	\$774K	\$2.25M	2011-2016	California State Department of Parks and Recreation	Los Angeles County, National Park Service
<b>Prop. 12</b>						
Rindge Dam removal feasibility Study	Study of the Malibu Creek watershed immediately upstream and downstream of Rindge Dam to determine the feasibility of restoring the creek's ecosystem and its associated terrestrial and aquatic habitat, as well as enhancing the wildlife movement corridor within the	\$6.5M	\$750K	2007 - TBD	California State Department of Parks and Recreation	US Army Corps of Engineers

	watershed. The study will also consider the possible beneficial use of sediment removed at Rindge Dam for beach nourishment or other environmental restoration.					
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## BUDGET SUMMARY

### A. Funding Authorization

FY 16 Funding Authorization (Oct. 1, 2015 - September 30, 2016)	
EPA FY 15-16 Base Funding	\$600,000
SWRCB – Match	\$300,000
Bay Foundation – Match	\$300,000
<b>Authorized Funding Total</b>	<b>1,200,000</b>

### B. Detailed Budget

		EPA CWA 320 GRANT	OTHER SMBRF	SWRCB	Totals
<b>Personnel</b>	Salary + Benefits (@26%)	352,691	220,000	170,000	742,691
	<b>Personnel Subtotal</b>	<b>352,691</b>	<b>220,000</b>	<b>170,000</b>	<b>742,691</b>
<b>Contract Services</b>	Studies/Projects/Contracts	138,860	80,000	-	218,860
	<b>Studies/Projects/Contracts Subtotal</b>	<b>138,860</b>	<b>80,000</b>	<b>-</b>	<b>218,860</b>
<b>Equipment</b>	Computer & software	0	-	-	0
	<b>Equipment Subtotal</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>0</b>
<b>Supplies</b>	Project Materials, Supplies, and Small Equipment	15,300	-	-	15,300
	<b>Supplies Subtotal</b>	<b>15,300</b>	<b>-</b>	<b>-</b>	<b>15,200</b>
<b>Other</b>	Communications (phones, internet, web, conferences, technical meetings, etc.)	4,170	-	-	4,170
	Printing & Outreach services and materials	10,000	-	-	10,000
	Conference & Technical meetings	2,400	-	-	2,400
	SMBRC/TAC/WAC meeting and Sheriff Deputy costs	3,112	-	-	3,112
	Other Project Expenses (software, utilities, etc)	4,421	-	-	4,421
	SWRCB Space and Admin for SMBRC	-	-	130,000	130,000
	<b>Other Subtotal</b>	<b>24,103</b>	<b>-</b>	<b>130,000</b>	<b>154,103</b>
<b>Travel</b>	NEP Meetings and Conferences	5,500	-	-	5,500
	All other stakeholder and staff travel	9,000	-	-	9,000
	<b>Travel Subtotal</b>	<b>14,500</b>	<b>-</b>	<b>-</b>	<b>14,500</b>
<b>SubTotal</b>		<b>545,455</b>	<b>300,000</b>	<b>300,000</b>	<b>1,145,455</b>
Indirect Cost (@10%)		54,545	-	-	54,545
<b>TOTALS</b>		<b>600,000</b>	<b>300,000</b>	<b>300,000</b>	<b>1,200,000</b>