Task Order	Work Plan Program Area	Action (Task)	ORIGINAL Outputs (Deliverables)
1	Water	Oversee pollution control BMPs funded through Prop. 84 bond grants	Grant agreements drafted in early 2017; project implementations: April 2017 – 2020 (See Appendix B)
2	Water	Support funding (e.g. Prop. 1) for WMP and EWMP projects	Attend six public comment and TAC meetings state-wide; occasional meetings with local agencies
3	Water	Support efforts to increase funding for water resiliency	Specific events (e.g. funding ballot measure) are contingent on the pending timeline of the LA County Drought Resiliency Work Plan and funding mechanism report
4	Water	Participate in IRWMP leadership group and provide technical support	Quarterly meetings
5	Water	Participate in sub-region Steering Committees	See Appendix C for list of groups and meeting frequency
6	Water	Seek new partnerships and funding opportunities for new rain gardens, conservation outreach, and other LID projects	Conduct monthly program meetings, seek grants and funding (ongoing)
7	Water	Facilitation of stormwater monitoring and monitoring of LID effectiveness	Participation of TAC review when needed; complete final report and presentation for Ballona Creek Rain Garden
8	Water	Conduct pumpout monitoring	Quarterly monitoring and annual report
9	Water	Implement Honey Pot Day Program	Implementation of Honey Pot Live in summer; final report

10	Water	Attend boater events	Produce 4,500 Southern California Tide Tables & Marina Guides (2016/2017), 5 Changing Tide newsletters, Southern California Boater's Guide, Version 2.0 App, attend 3 boating events, manage contacts database of partners and boaters to track education and outreach efforts
11	Water	Dockwalker	3-4 trainings per year; 7,000 Boater Kits; >100 boater questionnaires; 10 Dockwalker training events; one newsletter; TAC meeting in winter 2016/17; award top volunteers in winter 2016/17
12	Water	Conduct copper TMDL outreach	Develop 1-3 outreach and promotional pieces; promote the Boat Lift program via media outreach, social media and boating events
13	Water	** *NEW*: Pilot Dye Tablet Program	Produce one outreach piece; report on summary of results to LA County
14	Water	Implementation of the Clean Bay Certified program	Monthly program meetings; seek grants and funding (ongoing); semi-monthly online promotion; award events in Jan/Feb 2018; conduct restaurant staff interviews; media outreach
15	Water	Support restaurant inspections by Cities	Annual or monthly inspection of restaurants (350 annually)
16	Water	** *NEW*: Community Composting and Community Supported Agriculture Outreach	2-3 restaurant composting programs, 1-2 composting hubs, program flyer/brochure

17	Water	** *NEW*: Single Use Disposable Products Reduction Initiative	Conduct monthly program meetings; seek grants and funding (ongoing); complete waste audit training for TBF staff; establish waste audit and program protocol for food service establishments
18	Habitat	Implement ocean vessel aerial monitoring project	Quarterly surveys and annual report
19	Habitat	Participate in MPA Collaborative	Participate in semi-annual meetings; ongoing communications
20	Habitat	Promote sustainable fishery management	Opportunistic participation in meetings and communications
21	Habitat	Expand Acoustic Telemetry Network	Assist in installation and maintenance of four sensors; quarterly data download and outreach
22	Habitat	** *NEW*: Remotely Operated Vehicle (ROV) surveys	Launch ROV into marine and freshwater systems to capture video and imagery
23	Habitat	Support MDR Youth Fishing Program	Continue communications and community engagement, assist in the attraction and development of interns to support the fishing trips
24	Habitat	Promote creation and adoption of stream protection ordinances and/or policies	Ongoing communications

25	Habitat	Implement Ballona Reserve community stewardship and invasive species removal project	Continue post-restoration monitoring; conduct opportunistic restoration events in summer/fall 2018; seek additional funding to continue subsequent phases of project
26	Habitat	Assist with the draft EIR/S review for the Ballona Reserve	Draft EIR/S expected in mid-2017; public review for minimum of 60 days
27	Habitat	Conduct public outreach about Ballona Reserve	Conduct at least one activity or event per month; facilitate ongoing communications
28	Habitat	Conduct Malibu Lagoon post-restoration maintenance and monitoring	Maintenance and volunteer events once monthly; monitoring ongoing 2013-2018; annual monitoring report in May 2018
29	Habitat	Implement Level 3 regional wetland monitoring program	Conduct literature review; data consolidation; periodic partner meetings
30	Habitat	Facilitate restoration of other coastal lagoons in northern Santa Monica Bay	Meetings attended opportunistically as lead agencies progress; ongoing funding searches
31	Habitat	Conduct Stone Canyon Creek maintenance	Monthly volunteer restoration events
32	Habitat	Conduct mudsnail surveys in the Northern Bay watershed	Biennial surveys, pending funding; biennial reporting
33	Habitat	Facilitate projects to control crayfish and other invasive species in Santa Monica Mountains watersheds	Support for removal projects and other control efforts
34	Habitat	Complete Arroyo Sequit fish barrier removal project	Ongoing vegetation and maintenance
35	Habitat	Support completion of Rindge Dam removal feasibility study (Malibu Creek Ecosystem Restoration Feasibility Study)	Targeted study completion: August 2018; targeted removal start in 5-10 years

36	Habitat	Support restoration of lower Topanga Creek	Opportunistic communications throughout the work plan time period
37	Habitat	Seek funding and promote stream restoration and fish barrier removal projects	Opportunistic communications and funding searches throughout the work plan time period
38	Habitat	Conduct monthly volunteer restoration events at LAX Dunes	Monthly restoration events
39	Habitat	Conduct dune restoration partnership with LAWA (48-acre northern area)	Develop approved work plan for 3 years of ecological maintenance and monitoring within 48-acre site; plant approximately 6 acres of native coastal dune and coastal prairie vegetation; manage non-native invasive vegetation within 48-acre site.
40	Habitat	Coordinate Coastal Clean-up Day at LAX Dunes	Annually in September
41	Habitat	Implement the Santa Monica beach restoration pilot project	Implement in fall/winter 2016; targeted completion date: December 2017
42	Habitat	Facilitate standardized sandy beach monitoring	Grant applications submitted opportunistically throughout work period; ongoing communications
43	Habitat	Conduct the "Healthy Beaches" project	Literature review; monitoring plan; data collection in spring 2017
44	Habitat	** *NEW*: Explore new beach restoration opportunities in the Bay	Seek funding to expand beach restoration efforts; explore partnerships with new Cities

45	Habitat	Promote protection of rocky intertidal habitats	Continue ongoing communications, identify research priorities, develop and submit opportunistic grant funding applications
46	Habitat	Implement the Palos Verdes Kelp Restoration Project	Semi-monthly monitoring; annual report; restore additional 12-18 acres by Sept 2019 (put this in five-year environmental outcome)
47	Habitat	Maintain abalone restoration laboratory	Maintain and support abalone laboratory. Develop funding and support in FY18 to include space for white abalone
48	Habitat	Restore green abalone	Spawning and outplanting experiments; quarterly monitoring of outplanting locations
49	Habitat	***NEW*: Conduct abalone aquaculture resilience research	Develop spawning methods for green abalone to support commercial aquaculture operations in California

50	Habitat	Restore white abalone	Conduct red abalone spawning and outplanting experiments
51	Multidisciplinary	Conduct climate action planning for BRP revision	Seek funding; engage TAC; targeted completion date: 2019
52	Multidisciplinary	Participate in AdaptLA project	Participate in community meetings and webinars
53	Multidisciplinary	Promote "softscape" measures for adapting to climate change impacts	Ongoing dialogue with different parties throughout the work plan time period
54	Multidisciplinary	Implement kelp forest hydrodynamics study	Deploy sensors summer 2016; quarterly checks/download; targeted completion date: Sept 2018, seek funding to continue fieldwork in FY18. Analyses and reporting will be ongoing and performed in FY18.
55	Multidisciplinary	***NEW*: Study impacts of kelp forests on ocean acidification in Santa Monica Bay	Collect water quality samples in a select time series, corresponding with changes in kelp density and size. Conduct literature reviews, analyze data and produce report. Seeking funding to continue in FY18
56	Multidisciplinary	Monitor ocean acidification	Sensor deployment (targeted) Sept 2016; calibrate, download, and maintain sensor (ongoing monthly)
57	Multidisciplinary	Conduct press and media communications	Release four press releases annually; respond to media questions

58	Multidisciplinary	Publish newsletters and SMBNEP outreach materials	Release *Urban Coast* annually; release annual SMBNEP report; release quarterly Baywire newsletter
59	Multidisciplinary	Maintain websites	Update TBF website bi-monthly; update SMBRC website quarterly
60	Multidisciplinary	Promote social media communications	Semi-weekly posts on FB, Twitter, Instagram; YouTube posts as available
61	Multidisciplinary	Attend ANEP conferences	Two staff attend ANEP National Conference and ANEP Tech Transfer
62	Multidisciplinary	Attend other conferences	N/A
63	Multidisciplinary	Implement the internship and volunteer program	Monthly coordination meetings; ongoing student recruitment; coordinate minimum of three volunteer events monthly
64	Multidisciplinary	Participate in stakeholder groups involved in BRP implementation	Ongoing throughout the work plan time period; see Appendix C for frequency
65	Multidisciplinary	Participate in PV Shelf and FCEC risk communication activities	Two semi-annual FCEC and technical information exchange group meetings; additional meetings as needed
66	Multidisciplinary	Raise funding from local sponsors and initiate a new round of PIE program	Opportunistic funding requests or grant applications

67	Multidisciplinary	Seek grant funding for implementation of specific BRP objectives and milestones	Opportunistically apply for grants throughout time period
68	Multidisciplinary	** *NEW*: Conduct BRP Revision	Complete BRP Revision process by 2019
69	Multidisciplinary	** *NEW*: Update CMP and develop implementation mechanisms	Work with TAC to incorporate suggestions from 2015 SotB Report
70	Multidisciplinary	Design and implement pilot deep reef survey	Seek funding package for survey implementation; conduct surveys
71	Multidisciplinary	Assess offshore eelgrass beds in Santa Monica Bay	One SCUBA and ROV survey of north SM Bay; additional surveys pending funding
72	Multidisciplinary	State of the Bay Report development	Ongoing; periodic meetings; TAC engagement
73	Multidisciplinary	Track BRP implementation progress through semi-annual reporting	Semi-annual reports
74	Multidisciplinary	Track BRP implementation progress through annual GPRA reporting	Complete and submit GPRA report by September 1, 2018
75	Multidisciplinary	Support SMBRC GB meetings	Meet bi-monthly
76	Multidisciplinary	Support SMBRC EC meetings	Meet bi-monthly
77	Multidisciplinary	Support SMBRC TAC meetings	Meets quarterly

78	Multidisciplinary	Support SMBRC WAC meetings	Meets annually to review / contribute to work plan
79	Multidisciplinary	Support SMBRA board meetings	Meets quarterly or as needed
80	Multidisciplinary	Support TBF board meetings	Meets quarterly
81	Multidisciplinary	Conduct general management and reporting activities	Annual work plan, QAPP updates infrequently

REVISED Outputs (Deliverables)	Environmental Outcomes
	5 Year
Grant agreements - Late 2017 / Early 2018; final reports - due 2020	Improvements in water quality through treatment of 85th percentile storm event and associated pollutants, resulting in loading reductions of bacteria, heavy metals, and other pollutants
Update in semi-annual report (October/May)	Treatment of 85th percentile storm event and associated pollutants; loading reductions of bacteria, heavy metals, and other pollutants
Update in semi-annual report (October/May)	More available funding for water resiliency
Update in semi-annual report (October/May)	More state bond funding for IRWMP recommended projects.
Update in semi-annual report (October/May)	More coordinated and timely implementation of EWMP projects
Update in semi-annual report (October/May)	Improvements in water quality; increased understanding of stormwater LID effectiveness
Final report and presentation - spring 2018	Greater understanding of LID effectiveness; local examples of stormwater monitoring effectiveness; > 80% retention of stormwater runoff to Ballona Creek from Ballona Creek Rain Garden along with associated pollutants; pollutant reductions from 80-100% (pollutant-specific)
Annual Report - due December 2017	70-85% annual average usability percentage for all 69 pumpout stations
Final Report - due November 2017	70 boaters served and approximately 1,800 gallons of sewage pumped; transferable model for mobile pumpout outreach programs for other habors; raised awareness of mobile pumpout service and water quality impacts from vessel sewage

Tide Calendar 2018 - due December 2017; Changing Tide newsletters - due Winter 2017, Spring, Summer, & Fall 2018; Southern California Boater's Guide 5th Edition - due March 2018	Increased opportunities to receive environmental education about boat generated pollution, raised awareness and commitment to clean boating practices
2018 Boater Kits - complete production November 2017; Newsletter - due Summer 2018; List of top Dockwalker awardees - due October 2017	70 newly or re-certified volunteer Dockwalkers trained in SoCal; 80%-90% distribution of Boater Kits by volunteers (vs Staff)
Final Report - due September 2021	Increased awareness of dissolved copper issue in Marina del Rey and benefits of integrated pest management strategies; improvements in water quality through reductions in copper leaching from boat hull paints
Final Report - due March 2018	Increased awareness of bacteria issue in Marina del Rey; increased preventative boat maintenance habits from boaters reached via program
Update in semi-annual report (October/May)	Greater understanding of stormwater issues and role restaurant industry plays in preventing runoff; greater awareness of sustainable business practices; decreased amount of runoff from restaurant businesses; assist watershed cities in MS4 permit compliance; increased percentage of restaurants that pass inspections
Update in semi-annual report (October/May)	Greater understanding of stormwater issues and role restaurant industry plays in preventing runoff; greater awareness of sustainable business practices; decreased amount of runoff from restaurant businesses; assist watershed cities in MS4 permit compliance; increased percentage of restaurants that pass inspections
Final Report - due December 2017	Increased solid waste diversion rate from landfills by restaurants; local production and distribution of compost; greater understanding of watershed health benefits from compost application

Final Report - due September 2018	Educating and shifting the behavior of two restaurants; participating restaurants achieve a 30-50% reduction of disposable foodware items; average of ~$3,000 saved at each participating restaurant; transferable model for plastics reduction program at food serving establishments
Annual Report - due March 2017	Inform the releative strength of impacts or stressors to nearshre environments resulting from resource extraction i.e. fishing. Monitor long term trends associated with MPA compliance e.g. fishing closures.
Update in semi-annual report (October/May)	Promote ecological, recreational, and cultural value of Los Angeles County's MPAs through increased public outreach and education programs.
Update in semi-annual report (October/May)	Increased understanding of sustainable fisheries in the Bay.
Update in semi-annual report (October/May)	Increased knowledge of the movements of great white sharks within Santa Monica Bay. More accurate understanding as to the presence and permanence of great white sharks in Santa Monica Bay.
Update in semi-annual report (October/May)	Increased understanding of marine environment / filling data gaps; broader outreach to stakeholders; educational opportunities for youth, increased outreach potential and community awareness.
Update in semi-annual report (October/May)	Complete 30 fishing excursions; engage 800 youth on ocean literacy and sustainable fisheries
Update in semi-annual report (October/May)	Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish

Annual Report - due July 2018; 0.75 acres of wetland and transition habitat restored and maintained	Increased community involvement and stewardship; Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife in 3+ acres; habitat improvement for rare species
Public Draft EIR/S - released in 2017; final EIR/S in 2018	Increased public stakeholder engagement in Ballona Wetlands restoration process
Update in semi-annual report (October/May)	Increased public stakeholder engagement in Ballona Wetlands restoration process
Annual Report - due May 2018	Increased community involvement and stewardship; Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife in the 12 restored acres; habitat improvement for rare species
Semi-annual Report - due (September/April)	Increased coordination and interactions of scientists in California re: wetland research and monitoring; increased understanding of the extent and condition of wetland systems in California
Update in semi-annual report (October/May)	Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife; habitat improvement for rare species
Update in semi-annual report (October/May); approximately 2 acres of riparian habitat maintained	Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish
Biennial Report - due October 2017	Use survey data to achive 303d listings for impacted streams
Update in semi-annual report (October/May)	Control spread and impacts of invasive crayfish
Final Report - December 2017	Improved hydrology for the creek.
Final feasibility study and appendicies - August 2018	Complete final engineering and construction plans

Update in semi-annual report (October/May)	Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish
Update in semi-annual report (October/May)	Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish; improved anadramous fish habitat
Annual Report - due June 2018	Improvements to the 48-acre dune habitat for vegetation, birds, and wildlife; improved ecosystem functions; habitat for rare species
Annual Report - due September 2018; 48-acre dune and grassland habitat maintained	Improvements to the 48-acre dune habitat for vegetation, birds, and wildlife; improved ecosystem functions; habitat for rare species
Annual Report - due June 2018 (included in Task 38 report)	Increased community and stakeholder engagement; Improvements to the 48-acre dune habitat for vegetation, birds, and wildlife; improved ecosystem functions; habitat for rare species
Annual Report - due August 2018	Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife; fill data gap in our region for 'softscape' climate adaptability
Update in semi-annual report (October/May)	Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife
Update in semi-annual report (October/May); student presentation in fall 2017	Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife
Update in semi-annual report (October/May)	Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife

Update in semi-annual report (October/May)	Identification of extent and condition of rocky intertidal habitats. Increased understanding of impacts and stressors to these systems. Development of management actions and responses to local sources of stress.
Annual Report - due September 2018	Increased resilience, spatial and temporal permanence of giant kelp and other macroalgae. Offset losses of 80% of historic acreage of ginat kelp off of Palos Verdes. Increases in species richness, biomass and production in invertebrates and finfish. Increased recreational and commercial fishing opporutnity and non consumptive uses of the giant kelp forest.
NOAA NFMS Progress Report October 2017	Formalize methods for the production of green abalone for restoration and support for the abalone aquaculture industry in Southern California and Mexico. Expand capacity to support red abalone for restoration efforts. Contiuned support of life support, facility and staff to cultivate and outplant white abalone to Palos Verdes and other locales.
NOAA NFMS Progress Report October 2017 Final Report December 2018	Formalize methods for the production of green abalone for restoration and support for the abalone aquaculture industry in Southern California and Mexico. Expand capacity to support red abalone for restoration efforts. Contiuned support of life support, facility and staff to cultivate and outplant white abalone to Palos Verdes and other locales.
NOAA NFMS Progress Report October 2017	Formalize methods for the production of green abalone for restoration and support for the abalone aquaculture industry in Southern California and Mexico. Expand capacity to support red abalone for restoration efforts. Contiuned support of life support, facility and staff to cultivate and outplant white abalone to Palos Verdes and other locales.

NOAA NFMS Progress Report October 2017	Formalize methods for the production of green abalone for restoration and support for the abalone aquaculture industry in Southern California and Mexico. Expand capacity to support red abalone for restoration efforts. Contiuned support of life support, facility and staff to cultivate and outplant white abalone to Palos Verdes and other locales.
BRP Update by 2019	Climate change adaptation actions incorporated into and implemented through the BRP
Update in semi-annual report (October/May)	Better understanding and assessment of climate change impacts on coastal infrastructure and habitats, development and initial implementation of climate change adaptation plans/strategies by coastal communities.
Update in semi-annual report (October/May)	Number of "softscape" measures similar to the Santa Monica Beach and Dune Restoration Pilot Project planned/adopted by coastal communities
Final Report January 2018	Quantify the current flow and wave attentuation capacity of kelp forests in southern California to protect adjacent shorelines.
Update in semi-annual report (October/May)	Understanding of direct responses in physical and chemical ocean characteristics resulting from the presence and function of mature giant kelp beds.
High quality and frequency pH and pCO2 data. Update in semi-annual report (October/May)	Increased understanding of the signature/pattern of ocean acidification hypoxia in Santa Monica Bay. Identification of potential impacts to food webs and habitats.
Four press releases (timing is project-dependent)	Broader awareness of SMBNEP activities and resources (technical, financial, planning expertise, etc.), leading to greater awareness of Bay issues within greater region

Urban Coast - Dec 2018; annual SMBNEP report - TBD; four Baywire newsletters (quarterly)	Broader awareness of SMBNEP activities and resources (technical, financial, etc.), leading to greater involvement by stakeholders in implementing the environmental improvements mandated by the BRP, and greater awareness of Bay issues; increased scientific understanding of Bay; meeting CMP goals; filling data gaps
Update in semi-annual report (October/May)	Broader awareness of SMBNEP activities and resources (technical, financial, etc.), leading to greater involvement by stakeholders in implementing the environmental improvements mandated by the BRP, and greater awareness of Bay issues
Update in semi-annual report (October/May)	Broader awareness of SMBNEP activities and resources (technical, financial, etc.), leading to greater involvement by stakeholders in implementing the environmental improvements mandated by the BRP, and greater awareness of Bay issues
Update in semi-annual report (October/May)	Broader outreach about NEP/EPA work; greater connection to scientists and stakeholders about water quality and habitat restoration
Update in semi-annual report (October/May)	Broader outreach about NEP/EPA work; greater connection to scientists and stakeholders about water quality, habitat restoration, and climate change adaptation.
Update in semi-annual report (October/May)	New partnerships and increased student engagement; educational opportunities for real world experience. Increased capacity for BRP progress and CMP data collection.
Update in semi-annual report (October/May)	Increased engagement from stakeholders as measured by action-oriented outcomes of these groups.
Update in semi-annual report (October/May)	More outreach to vulnearable population/communities, reduced health risks from exposure to contaminated fish. Advise technical forums regarding moitoring and remediation, programs and potentials respectively.
Update in semi-annual report (October/May)	Amount of funding raised for PIE and number of PIE projects initiated/completed

Update in semi-annual report (October/May)	Amount of funding raised from various sources
Timeline, scope of work, BRP Update by 2019	Reported progress in BRP implementation, improved environmental conditions measured by various indicators and shown in State of the Bay report.
Timeline, scope of work,Updated CMP by 2018	Reported progress in implementation of the CMP
Update in semi-annual report (October/May)	Implementation of the survey and the amount and quality of data collected. Development and implementation of long-term deep reef monitoring plan.
Update in semi-annual report (October/May)	Increased understanding of eelgrass extent and condition / filling data gap
Update in semi-annual report (October/May)	Publication of the new State of the Bay report
Two semi-annual reports (October/May)	Continued and improved tracking
Completed GPRA report - due Sept 1, 2018	Increased understanding of NEP's habitat restoration and leveraging
Update in semi-annual report (October/May)	Results of USEPA evaluation on the overall program effectiveness in stakeholder involvement, resource commitment, and coordination and oversight of BRP implementation
Update in semi-annual report (October/May)	Results of USEPA evaluation on the overall program effectiveness in stakeholder involvement, resource commitment, and coordination and oversight of BRP implementation
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Update in semi-annual report (October/May)	Results of USEPA evaluation on the overall program effectiveness in stakeholder involvement, resource commitment, and coordination and oversight of BRP implementation
Update in semi-annual report (October/May); revised QAPP in July 2018	Results of USEPA evaluation on the overall program effectiveness in stakeholder involvement, resource commitment, and coordination and oversight of BRP implementation

Environmental Outcomes	
	20 Year
	Continued improvements in water quality and meeting applicable TMDL loading reduction targets for bacteria, heavy metals, and other pollutants
	Continued improvements in water quality and meeting applicable TMDL loading reduction targets for bacteria, heavy metals, and other pollutants
	More available funding for water resiliency and improvements in water quality through implementation of funded projects
	More state bond funding for IRWMP recommended projects and improvements in water quality through implementation of funded projects
	Successful completion of EWMP projects and associated improvements in water quality
	Improvements in water quality; increased understanding of stormwater LID effectiveness
	> 80% retention of stormwater runoff to Ballona Creek from Ballona Creek Rain Garden along with associated pollutants; pollutant reductions from 80-100% (pollutant-specific)
	86-100% annual average usability percentage for all CVA funded pumpout stations throughout Southern CA; National Pumpout Nav app adopted by State Organizations for Boating Access (SOBA)
	Honey Pot (mobile pumput outeach) program in all Southern California harbors; assist in meeting SoCal bacteria TMDLs (i.e. Marina del Rey, Long Beach and Los Angeles River, Avalon Bay)

EY COMMENTS AND QUESTIONS

Increase in the number of Clean Boating Pledges collected from boaters in Southern CA based on 2017 numbers; Clean Boating Pledges completed by licensed boaters in CA
100% distribution of Boater Kits by volunteers (vs Staff); increase in the number of trained volunteer Dockwalkers from previous year; increased capacity to reach target audience; raised awareness of water quality impacts due to boat generated pollution
Increased awareness of dissolved copper issue in Marina del Rey and benefits of integrated pest management strategies; improvements in water quality through reductions in copper leaching from boat hull paints
Assist in meeting Marina del Rey bacteria TMDL; assist County of L.A. Public Works Department in outreach to Marina del Rey boaters and in prevention of illegal sewage discharges into the harbor
Greater understanding of stormwater issues and role restaurant industry plays in preventing runoff; greater awareness of sustainable business practices; decreased amount of runoff from restaurant businesses; assist watershed cities in MS4 permit compliance; increased percentage of restaurants that pass inspections
Greater understanding of stormwater issues and role restaurant industry plays in preventing runoff; greater awareness of sustainable business practices; decreased amount of runoff from restaurant businesses; assist watershed cities in MS4 permit compliance; increased percentage of restaurants that pass inspections
Increased solid waste diversion rate from landfills by restaurants; local production and distribution of compost; greater understanding of watershed health benefits from compost application

All 450 CBC restaurants will participate and achieve a 30-50% reduction of disposable foodware items that were targeted for reduction through a program audit; assist in meeting City of Los Angeles Zero Waste Plan to divert 90% of its waste from landfills by 2025; assist in meeting Trash TMDL's for Ballona Creek and Los Angeles River; Assist watershed cities in meeting MS4 permitting requirements
Increased resilience, structure and community function resulting from fishing closures/redcutions in catch and effort. Informs adaptive management of south coast MPA network. Indirectly supports recovery for listed species and enhances nearshore physical processes e.g., allowing for increased accretion of sediments, wave attenuation.
Enhanced understanding and compliance of MPAs and engagement from the state level with local experts in long term MPA stewardship and management.
Increased understanding of sustainable fisheries in the Bay.
Habitat enhancement to support great white sharks and management actions that will limit negative interactions between the sharks and humans protecting public health and the sharks.
Increased understanding of marine environment / filling data gaps; broader outreach to stakeholders; educational opportunities for youth, increased outreach potential and community awareness.
Increased understanding of marine environment / broader outreach and educational opportunities for youth
Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish

Increased community involvement and stewardship; Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife in 3+ acres; habitat improvement for rare species	
Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife across 600 acres; habitat improvement for rare species; increase in tidal wetland acreage; increased public access; increased habitat connectivity through removal of the levees	
Increased public stakeholder engagement in Ballona Wetlands restoration process	
Increased community involvement and stewardship; Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife in the 12 restored acres; habitat improvement for rare species	
Increased coordination and interactions of scientists in California re: wetland research and monitoring; increased understanding of the extent and condition of wetland systems in California	
Improvements in wetland ecosystem functions for vegetation, birds, and other wildlife; habitat improvement for rare species	Can WE SAY HOW MANY ACRES ARE AVAILABLE F
Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish	
Develop TMDLs to control spread and limit impacts	
Control spread and impacts of invasive crayfish; benefits to native stream habitats	
Improved hydrology for the creek. Self-sustaining steelhead trout population	How many miles of habitat will be available post p
Removal of Rindge Dam; improved riparian and aquatic habitat functions and biodiversity; improved access for steelhead trout to Malibu Creek (increased linear miles of passage); improved water quality and return of natural sediment movement	How many miles of habitat will be available post p

Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish	How many miles of habitat will be available post p
Improved protection of stream and associated aquatic habitats; improvements for benthic organisms and fish; improved anadramous fish habitat	
Improvements to the 48-acre dune habitat for vegetation, birds, and wildlife; improved ecosystem functions; habitat for rare species	
Improvements to the 48-acre dune habitat for vegetation, birds, and wildlife; improved ecosystem functions; habitat for rare species	
Increased community and stakeholder engagement; Improvements to the 48-acre dune habitat for vegetation, birds, and wildlife; improved ecosystem functions; habitat for rare species	
Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife; fill data gap in our region for 'softscape' climate adaptability	Acres?
Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife	
Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife	
Increased community and stakeholder engagement; educational opporutunities; increased coastal resilience for beaches; improved coastal strand and dune habitat for rare species and wildlife	

Implementation of projects and/or management actions to protect and promote the expanse and conditon of rocky intertidal habitats.
Increased resilience, spatial and temporal permanence of giant kelp and other macroalgae. Offset losses of 80% of historic acreage of ginat kelp off of Palos Verdes. Increases in species richness, biomass and production in invertebrates and finfish. Increased recreational and commercial fishing opporutnity and non consumptive uses of the giant kelp forest.
Formalize methods for the production of green abalone for restoration and support for the abalone aquaculture industry in Southern California and Mexico. Expand capacity to support red abalone for restoration efforts. Contiuned support of life support, facility and staff to cultivate and outplant white abalone to Palos Verdes and other locales.
Formalize methods for the production of green abalone for restoration and support for the abalone aquaculture industry in Southern California and Mexico. Expand capacity to support red abalone for restoration efforts. Contiuned support of life support, facility and staff to cultivate and outplant white abalone to Palos Verdes and other locales.
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Continued implementation of climate change adaptation actions, Improved adaptation and increased resiliency against major impacts of climate change
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Number of "softscape" measures implemented by coastal communities
Increased coastal resiliency
Resource management responses to results of 5 Year outcomes. Strategic development of giant kelp resources to directly and indirectly support nearshore habitats and coastal processes. E.g. stratification, sediment transport, accretion, wave attenuation, fish production, OAH values.
Increased understanding of the signature/pattern of ocean acidification hypoxia (OAH) in Santa Monica Bay. Identification of potential impacts to food webs and habitats. Implementation of local resource management actions to decrease severity, expanse, and frequency of OAH correlating with local drivers of OAH.
Broader awareness of SMBNEP activities and resources (technical, financial, planning expertise, etc.), leading to greater awareness of Bay issues within greater region

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Broader outreach about NEP/EPA work; greater connection to scientists and stakeholders about water quality and habitat restoration
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New partnerships and increased student engagement; educational opportunities for real world experience. Increased capacity for BRP progress and CMP data collection.
Increased engagement from stakeholders as measured by action-oriented outcomes of these groups.
More outreach to vulnearable population/communities, reduced health risks from exposure to contaminated fish. Advise technical forums regarding moitoring and remediation, programs and potentials respectively.
Number of target audience reached and engaged through PIE projects

Amount of funding raised from various sources
Reported progress in BRP implementation, continued improved environmental conditions measured by various indicators and shown in State of the Bay report.
Reported progress in implementation of the CMP
Implementation of long-term deep reef monitoring plan.
Increased understanding of eelgrass extent and condition / filling data gap
Continue publication of the periodic State of the Bay reports.
Continued and improved tracking
Increased understanding of NEP's habitat restoration and leveraging
Results of USEPA evaluation on the overall program effectiveness in stakeholder involvement, resource commitment, and coordination and oversight of BRP implementation
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