

CCMP Action Category	DRAFT CCMP ACTION	CCMP GOALS							Lead Entity	SMBNEP Role	GB Rec	WAC Rec	TAC Rec	Crosswalk to 2013 BRP
		Protect, enhance, and improve ecosystems of Santa Monica bay and its watersheds	Improve water availability	Improve water quality	Enhance socioeconomic benefits to the public	Enhance public engagement and education	Mitigate impacts and increase resiliency to climate change	Improve monitoring and ability to assess effectiveness of management actions						
1	Direct Management Actions	Acquire open space for preservation of habitat and ecological services							NPS, SMMC, MRT	Support				Obj. 5.1, 5.2
2	Direct Management Actions	Restore kelp forests in the Bay to improve the extent and condition of the habitat							TBF	Lead				Obj. 9.1
3	Direct Management Actions	Recover abalone populations in the Bay and region to support rare species and socioeconomic benefits to people							TBF	Lead				Obj. 9.3
4	Direct Management Actions	Assess and restore seagrass habitats in the Bay and nearshore environments to support benefits to marine ecosystems and improve coastal resilience							TBF	Lead				Obj. 9.4
5	Direct Management Actions	Restore coastal strand and foredune habitat to beaches and sandy shores to improve coastal resilience							TBF	Lead				Obj. 8.2
6	Direct Management Actions	Restore and maintain the entire LAX Dunes system to support native plants, wildlife, and rare species							TBF	Lead				Obj. 8.1
7	Direct Management Actions	Restore coastal bluff habitats in the SMB watersheds to support ecosystem services							LA County, CDFW, and beach cities; * TBF	Participate				Obj. 8.1
8	Direct Management Actions	Implement Malibu Creek Ecosystem Restoration Project (Rindge Dam and other barrier removals) to support ecosystem restoration							State Parks	Facilitate				Obj. 7.3
9	Direct Management Actions	Remove additional barriers to support fish migration and ecosystem services							State Parks	Participate				Obj. 7.3
10	Direct Management Actions	Restore urban streams, including daylighting culverted streams, removing cement channels, and restoring riparian habitats							LA County and watershed cities	Support				Obj. 7.4
11	Direct Management Actions	Restore smaller coastal lagoons to increase wetland habitat area and condition throughout the watershed							State Parks	Participate				Obj. 7.5, 7.7, 7.8
12	Direct Management Actions	Restore Ballona Wetlands Ecological Reserve to enhance wetland habitats and benefits to people							Army Corps and CADFW; * TBF	Participate				Obj. 7.1, 13.3
13	Direct Management Actions	Implement wildlife crossings and other innovative projects for benefits to wildlife and people							State Parks	Facilitate				----
14	Direct Management Actions	Support the implementation of Enhanced Watershed Management Plans (EWMPs) to help achieve TMDL goals for 303d listed waterbodies in the Bay and its watersheds							County and watershed cities	Support				Obj. 1.1
15	Direct Management Actions	Support installation and monitoring of additional sewage and bilge pumpout facilities in Southern California harbors							marina managers and municipalities; * TBF	Support				Obj. 2.4

CCMP Action Category	DRAFT CCMP ACTION	CCMP GOALS							Lead Entity	SMBNEP Role	GB Rec	WAC Rec	TAC Rec	Crosswalk to 2013 BRP
		Protect, enhance, and improve ecosystems of Santa Monica bay and its watersheds	Improve water availability	Improve water quality	Enhance socioeconomic benefits to the public	Enhance public engagement and education	Mitigate impacts and increase resiliency to climate change	Improve monitoring and ability to assess effectiveness of management actions						
16	Direct Management Actions	Infiltrate, capture, and reuse stormwater and dry-weather runoff through green infrastructure, LID, and other multi-benefit projects and improve understanding of ecosystem services provided							municipalities, businesses, and many others; * TBF	Facilitate				Obj. 2.1, 14.2
17	Direct Management Actions	Implement projects that improve understanding and/or enhance endangered and threatened species populations (e.g. habitat improvements for Western Snowy Plover, genetic banking)							TBF	Co-Lead				Obj. 4.3, 8.1, 8.2, 9.3, others
18	Governance and Policy	Support elimination of biological impacts of water intake and discharge from coastal desalination facilities							SWRCB	Support				Obj. 1.3
19	Governance and Policy	Support elimination of non-point pollution from onsite wastewater disposal systems (OWDs)							SWRCB, municipalities	Support				Obj. 1.7
20	Governance and Policy	Support policies and implement projects that recover and recycle food for donations, compost, or energy, including compliance towards AB1826 (Organics Recycling Law)							municipalities; * TBF	Support				----
21	Governance and Policy	Support best management practices, increased public access, and improved public facilities for beaches to support both enhanced natural resources values and benefits to people							CCC	Support				Obj. 8.2, 13.4
22	Governance and Policy	Facilitate development and adoption of natural stream protection ordinances and/or policies							LA County and watershed cities	Support				Obj. 4.1
23	Governance and Policy	Evaluate and develop recommendations for offshore artificial reefs							State Lands Commission, CDFW, NMFS	Participate				----
24	Governance and Policy	Support the inclusion of coastal resilience through natural means and softscape measures into local coastal plan updates							CCC	Support				Obj. 4.5
25	Stakeholder education and engagement	Participate in research, education, and outreach on invasive species removal and control							CDFW, UCSB, Heal the Bay, MRT, DPR, NPS, others	Participate				Obj. 6.2, 6.3, 6.5
26	Stakeholder education and engagement	Reduce marine debris by supporting bans on single-use foodware items, conducting outreach, and participating in trash reduction programs							municipalities	Participate				Obj. 2.2

CCMP Action Category	DRAFT CCMP ACTION	CCMP GOALS							Lead Entity	SMBNEP Role	GB Rec	WAC Rec	TAC Rec	Crosswalk to 2013 BRP
		Protect, enhance, and improve ecosystems of Santa Monica bay and its watersheds	Improve water availability	Improve water quality	Enhance socioeconomic benefits to the public	Enhance public engagement and education	Mitigate impacts and increase resiliency to climate change	Improve monitoring and ability to assess effectiveness of management actions						
27	Stakeholder education and engagement	Produce educational resources and materials and conduct outreach to improve best management practices for Southern California boaters (e.g. fuel, sewage, and hazardous waste management)							TBF	Lead				Obj. 2.4
28	Stakeholder education and engagement	Support efforts of disadvantaged communities to achieve healthy habitats, implement green infrastructure, and reduce pollution							many	Support				Obj. 13.2
29	Stakeholder education and engagement	Reduce health risks of swimming and consuming contaminated seafoods through more comprehensive source control and, advanced monitoring and public notification							EPA, CDFW, OEHHA, County Health, Heal the Bay	Support				Obj. 11.3, 11.4
30	Stakeholder education and engagement	Conduct community engagement, education, and inform policies related to water conservation and reuse to reduce water demand and reliance on imported sources							LADWP and others; * TBF	Participate				Obj. 2.1, 14.2, 14.3
31	Stakeholder education and engagement	Achieve water quality benefits by businesses through community engagement and implementation of best management practices							TBF	Lead				Obj. 1.6
32	Research and Monitoring	Monitor invasive algae and other species as indicators of climate change impacts							TBF	Lead				Obj. 6.3
33	Research and Monitoring	Monitor chemical and physical properties in the Bay to inform climate change impacts such as ocean acidification							TBF	Co-Lead				Obj. 4.5
34	Research and Monitoring	Increase understanding of deep water habitats such as canyons, deep reefs, and outfall pipes							SCCWRP, others; * TBF	Participate				Obj. 10.1
35	Research and Monitoring	Monitor and improve understanding of rocky intertidal habitats to inform restoration actions							TBF	Co-Lead				Obj. 9.2
36	Research and Monitoring	Monitor and inform management actions for Harmful Algal Blooms (HABs)							NOAA, SCCOOS	Participate				Obj. 10.2
37	Research and Monitoring	Explore developing technologies for habitat and water quality monitoring to support CMP implementation, e.g. drones, ROV, sonar, etc.							TBF	Co-Lead				Obj. 4.7
38	Research and Monitoring	Monitor and inform effective management of Marine Protected Areas and local fisheries for commercially important species							CDFW, NMFS	Support				Obj. 4.2, 4.3, 4.4
39	Research and Monitoring	Continue working and research on novel ecosystem management approaches for habitats in the Bay and its watersheds							SCCWRP, many; * TBF	Participate				----

CCMP Action Category	DRAFT CCMP ACTION	CCMP GOALS							Lead Entity	SMBNEP Role	GB Rec	WAC Rec	TAC Rec	Crosswalk to 2013 BRP
		Protect, enhance, and improve ecosystems of Santa Monica bay and its watersheds	Improve water availability	Improve water quality	Enhance socioeconomic benefits to the public	Enhance public engagement and education	Mitigate impacts and increase resiliency to climate change	Improve monitoring and ability to assess effectiveness of management actions						
40	Research and Monitoring	Monitor microplastics (including microfibers) and other marine debris in the Bay and coastal environments to inform management actions							TBF	Co-Lead				Obj. 3.1
41	Research and Monitoring	Improve understanding of emerging contaminants through monitoring and research to inform source control and reduce loading, especially in the context of climate change (e.g. fire retardants)							SCCWRP, SWRCB, LARWQCB	Participate				Obj. 3.1, 3.2
42	Research and Monitoring	Research and inform best management and pollution reduction practices to address non-point source pollution							municipalities and companies	Participate				Obj. 1.1, 1.2, 1.4, 1.6
43	Research and Monitoring	Inform strategies to reduce greenhouse gas emissions and increase carbon sequestration							TBF and many others	Participate				Obj. 2.2
44	Research and Monitoring	Improve our understanding of sandy shore ecosystems through implementation of the Healthy Beaches projects, long-term monitoring of pilot restoration projects, research to inform natural sediment transport practices, etc.							TBF	Co-Lead				Obj. 8.2
45	Research and Monitoring	Facilitate research, monitoring, and assessments that inform more accurate waste load allocations and development of new water, sediment, and biological objectives							SCCWRP, SWRCB, LARWQCB	Facilitate				Obj. 1.1
46	Research and Monitoring	Continue research and monitoring to inform climate change mitigation and/or response actions							TBF	Co-Lead				Obj. 4.5
47	Develop Funding and/or Partnerships	Facilitate adoption of a County-wide Clean Water and Clean Beach funding mechanism through a property assessment fee							LA County	Facilitate				Obj. 1.5
48	Develop Funding and/or Partnerships	Fund and implement the Comprehensive Monitoring Program							SMBNEP	Lead				Obj. 4.7
49	Develop Funding and/or Partnerships	Support the development and implementation of a comprehensive regional sediment management plan for restoring natural hydrological functions of river systems and mitigating impacts from climate change							LA County Flood Control District	Support				Obj. 12.2

* indicates lead on a smaller task that is part of the draft action