



**Marine Protected Area
Statewide Leadership Team
Work Plan Fiscal Year 18/19 – 20/21**



October 2018

Marine Protected Area Statewide Leadership Team Work Plan Fiscal Year 18/19 – 20/21



Acknowledgments

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About This Document

MPA Statewide Leadership Team

California's Marine Protected Area Statewide Leadership Team (Leadership Team) was convened with the goal of increasing communication and collaboration among agencies, government representatives and partners to ensure the state is effectively managing the statewide marine protected area (MPA) Network. The Leadership Team includes state and federal agencies, tribal government representatives and other partners that play a direct or key support role in management of the network. The MPA Management Program encompasses a wide range of partners and activities that require active collaboration and communication to implement successfully. The state has recognized that no one agency or group has the knowledge, capacity or resources to effectively manage the MPA Network in isolation. The Leadership Team focuses on leveraging resources and breaking down traditional silos to collaboratively address MPA Network management which cuts across jurisdictions and mandates.

Leadership Team Work Plan

The Leadership Team has identified the following focal areas as key to successful management of MPAs which make up the MPA Management Program: Outreach and Education, Research and Monitoring, Enforcement and Compliance, and Policy and Permitting. Active, sustained engagement in each of these focal areas is integral to achieve the goals of California's MPA Network. This work plan covers a three-year period beginning in 2018 and is a key tool in directing the MPA Management Program and holding members accountable for identified outcomes. This provides a road map for the State and its partners anchored back to the legislation, partnership plan, and other guidance documents related to California's MPA Network. This work plan identifies shared strategic priorities, key actions and outcomes for the MPA Management Program that can be used by government and non-government partners to ensure coordinated progress on achieving the goals of the Marine Life Protection Act.

Partnerships

The MPA Management Program is rooted in partnerships both inside and outside of government. The creation of a work plan was identified as a key task in "The California Collaborative Approach: Marine Protected Areas Partnership Plan," which outlines the partnerships necessary for the success of the MPA Management Program. Key partners in the implementation of this work plan include all members of the Leadership Team, the Ocean Protection Council (OPC), the California Department of Fish and Wildlife (CDFW), CDFW Law Enforcement Division (LED), Fish and Game Commission (FGC), California Coastal Commission (CCC), California State Lands Commission (CSLC), Department of Parks and Recreation (DPR), State Water Resources Control Board (SWRCB), California Ocean Science Trust (OST), MPA Collaborative Network (CN), West Coast Regional Office of National Marine Sanctuaries (ONMS), and Regional Tribal Representatives from the North, North Central, Central and South Coasts. Additional outside partners are also actively participating in the implementation of this plan and are critical to the full implementation of the plan.

Executive Summary

In 1999, the California legislature passed the Marine Life Protection Act (MLPA). The MLPA required that the State redesign its existing system of marine protected areas (MPAs) to better support healthy and sustainable marine ecosystems. The fully redesigned statewide MPA Network was completed in 2012 through a science-based and stakeholder-driven process. Throughout the implementation and on-going adaptive management of the MPA Network, the state has been committed to a partnership-based approach. This approach has been solidified in “The California Collaborative Approach: Marine Protected Areas Partnership Plan”¹ and “MLPA Master Plan 2016”² and is supported by the MPA Statewide Leadership Team (Leadership Team).

In April 2014, the Leadership Team was convened by the Secretary for Natural Resources as a standing body to ensure communication and collaboration among MPA Network management partners. The Leadership Team is made up of entities and organizations that have significant interests or mandates related to the MPA Network. The California Department of Fish and Wildlife manages the statewide MPA Network and the Fish and Game Commission has regulatory authority related to types of use. The Ocean Protection Council serves as the state’s policy lead for MPAs. The Department of Parks and Recreation is also a designated managing agency for some types of MPAs. The California Coastal Commission, State Lands Commission, and State Water Resources Control Board all have regulatory jurisdictions that overlap with MPA management activities, as does the West Coast Regional Office of National Marine Sanctuaries. The California Ocean Science Trust is a non-profit partner that works in close partnership with state agencies to support science-based decision making related to ocean and coastal management. Regional tribal representatives bring perspectives from California Tribes and Tribal governments in each of the four regions across the state. The Collaborative Network, a consortium of 14 roughly county-based groups, engage local community members and experts in local MPA stewardship and management are represented by their Director. The Resources Legacy Fund is a key state philanthropic funder and partner in the MPA Network and is also a member of the Leadership Team.

The Leadership Team develops three-year work plans to set shared priorities and guide their partnership efforts related to the MPA Management Program, which includes: Outreach & Education; Research & Monitoring; Enforcement & Compliance; and Policy & Permitting. The inaugural Work Plan (2015–2018) was endorsed by the Fish and Game Commission and the Ocean Protection Council in 2015. The Leadership Team has updated the work plan for Fiscal Years 18/19 – 20/21, and this update represents shared consensus priorities among the Leadership Team. These priorities have been developed based on foundational guidance documents such as the MLPA Master Plan 2016 and active dialogue among Leadership Team members, including formal and informal input from stakeholders.

¹ http://www.opc.ca.gov/webmaster/ftp/pdf/docs/mpa/APPROVED_FINAL_MPA_Partnership_Plan_12022014.pdf

² <https://www.wildlife.ca.gov/Conservation/Marine/MPAs/Master-Plan>

Outreach & Education

The Leadership Team recognizes the fundamental importance of improved outreach and education efforts for promoting awareness of the MPA Network among California visitors and residents and cultivating long-term public support and engagement. Updates to the Outreach & Education section of the work plan focus on developing more effective MPA education products, raising the international profile of California's MPA Network to ensure best management practices are used, and improving the consistency of MPA-related messaging with state, federal, tribal, and public partners.

Enforcement & Compliance

The ultimate success of the MPA Network will depend in large part on the degree to which regulations are followed. This requires public understanding of and compliance with MPA regulations paired with consistent enforcement. Updates to the Enforcement & Compliance section of the work plan focus on using technology and other tools to increase enforcement effectiveness and enhancing cooperative enforcement efforts with allied agencies.

Research & Monitoring

Research and monitoring are essential for understanding the ecological and socioeconomic conditions and trends to evaluate the performance of the statewide MPA Network. These activities will also enhance our understanding of the network's contribution to bolstering ecosystem health and resilience in the face of changing ocean conditions. Updates to the Research & Monitoring section of the work plan focus on moving from baseline to long-term monitoring, and providing data and analyses to inform the MPA Network's upcoming 2022 ten-year management review.

Policy & Permitting

The policy and permitting aspects of MPA management are both overarching and fundamental to success. Continued coordination among regulatory agencies is required to maintain a cohesive vision for the MPA Network into the future. Updates to the Policy & Permitting section of the work plan focus on addressing emerging issues in MPA management (i.e. adopting policies at the agency level that clarify other uses in MPAs not specifically addressed in the MLPA).

List of Acronyms

ASBS – Area of Special Biological Significance
CCC – California Coastal Commission
CDA – California District Attorneys Association
CEQA – California Environmental Quality Act
CN – MPA Collaborative Network
CNRA – California Natural Resources Agency
DFW – Department of Fish and Wildlife
DPR – Department of Parks and Recreation
DTD – Department of Fish and Wildlife Data & Technology Division
EAGL – Expert Assessment Group for the Green List
FGC – Fish and Game Commission
IUCN – International Union for Conservation of Nature
LED – Department of Fish and Wildlife Law Enforcement Division
MLPA – Marine Life Protection Act
MMAIA – Marine Managed Areas Improvement Act
MPA – Marine Protected Area
MSLT – MPA Statewide Leadership Team
MOU – Memorandum of Understanding
NERR – National Estuarine Research Reserve
NGO – Nongovernmental Organization
NMS – National Marine Sanctuary
OAH – Ocean Acidification and Hypoxia
OCEO – Department of Fish and Wildlife Office of Communications, Education, and Outreach
ODFW – Oregon Department of Fish and Wildlife
ODP – California Natural Resources Agency Open Data Platform
ONMS – Office of National Marine Sanctuaries
OPC – California Ocean Protection Council
OST – Ocean Science Trust
PORTS – Parks Online Resources for Teachers and Students
PRC – Parks and Recreation Commission
RMS – Records Management System
SAT – OPC Science Advisory Team
SLC – State Lands Commission
SMR – State Marine Reserve
SWRCB – State Water Resources Control Board
TEK – Traditional Ecological Knowledge

Focal Area: Outreach and Education

Strategic Priority 1 - Build support and durability of California's MPA network, by raising awareness of the location, conservation goals and effect of MPAs.					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
1.1 Ensure active coordination in the development and distribution of shared messaging and educational resources	1.1.1 Engage MPA Partners (NGOs, tribes, agencies) in discussion on best practices in MPA messaging	MPA partners and the Collaborative Network members play an active role in ongoing development of messaging efforts and strategies	OPC	DFW	ongoing
	1.1.2 Upload existing MPA outreach and education materials to the Open Data Platform	MPA Partners and the Collaborative Network members have online access to MPA messaging and available resources (e.g. brochures, sign templates, etc.) efforts by state, federal and NGO partners. MPA partners and collaborative members can easily contribute to inventory.	DFW	OPC	Jun-2019
	1.1.3 Identify audiences, audience-specific messages and outreach methods	MPA Partners and the Collaborative Network members contribute to and have access to a list of summarized recommendations to draw from that will help them maximize the effectiveness of their outreach to different constituent groups	MPA Statewide Leadership Team^	DFW	Jun-2020
	1.1.4 Identify opportunities to insert messaging into related, non-MPA specific efforts by partners	Leveraging of existing programs will allow for expanded messaging on the value of the MPA network to Californians	OPC	MPA Statewide Leadership Team^	ongoing
1.2 Create MPA-focused outreach materials and host or participate in events	1.2.1 Produce printed outreach materials for high impact locations as needed	Locally specific materials produced, distributed and replenished by at least 10 local MPA collaborative	OPC, DFW	CN	ongoing
		A variety of printed materials are readily available at key locations for consumptive users (harbors, tackle shops, etc.)	DFW	DFW	ongoing
		A variety of printed materials are readily available at key locations for non- consumptive users (aquaria, dive shops, etc.)	DFW	DFW	ongoing
	1.2.2 Produce video/web/phone app based materials	Web and video material produced and distributed by partners and promoted through Leadership Team networks, listservs and social media channels	Outside funders, OPC, DFW	MPA Statewide Leadership Team^	ongoing
	1.2.3 Hold or take part in outreach and education events	Events are promoted through Leadership Team networks, listservs and social media channels	Outside funders, OPC, DFW	MPA Statewide Leadership Team^	ongoing

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
1.3 Elevate the international profile and collaboration in support of California's MPA Management Program	1.3.1 California's MPA network is recognized as global model for well managed MPA Network and added to the International Union for the Conservation of Nature Green List	International collaborations at the national and sub-national level increase	OPC, DFW	OPC	Mar-19
		Expert Assessment Group (EAGL) and participation in the IUCN process accurately represents geographic and sector-based diversity of stakeholders	OPC, DFW	OPC	Mar-19
Strategic Priority 2 - Create a broad understanding of regulations and increase compliance					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
2.1 Maintain existing signs and respond to emerging needs for regulatory and interpretive signage statewide	2.1.1 Existing signs are maintained and there is a functional mechanism to report sign damage	Periodic surveys of signs are conducted and reports of damage are catalogued in a central location	OPC	OPC	
	2.1.2 Signage is properly permitted, includes approved content including tribal content when appropriate and installed in priority locations	Verification of proper installation of signs including copies of required permits and photographs of installed signs	DFW, OPC	OPC	ongoing
2.2 Continue production of DFW produced and approved outreach materials focused on regulation compliance	2.2.1 Regionally specific materials including maps and booklets with regulations are produced	Outreach materials are reaching coastal communities, visitors and other inland regions of California	DFW	DFW	ongoing
	2.2.2 Produce products on different media (waterproof paper, mobile devices, etc.) to maximize reach and effectiveness	Outreach materials are reaching coastal communities, visitors and other inland regions of California	DFW	DFW	ongoing
Strategic Priority 3 - Develop consistent messaging with state, federal, tribal and public partners					
3.1 Create and distribute DFW Partnership Guide	3.1.1 Expand on existing DFW MPA Outreach Quick Reference Guide for partners to add more specific detail on review process, available resources and roles of various partners and agencies. Include in guide requirement to reach out to Native American Heritage Commission with current contact information so partners can get in touch with local tribes to ensure tribal content can be included when feasible.	DFW Partnership Guide is posted widely on the web	OPC, DFW	DFW	Sep-18

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
3.2 Additional named MPA management entities (DPR and SWRCB), are effectively disseminating MPA messaging	3.2.1 Provide MPA training to staff and docents	OPC will provide trainer and training materials developed in partnership with MPA partners and collaboratives to coastal districts as requested using a "train the trainer" model at DPR and as requested by SWRCB	DPR, OPC, SWRCB	DPR	Dec-20
	3.2.2 Insert MPA messaging into existing outreach campaigns of the Division of Boating and Waterways	MPA messaging is inserted in at least one ongoing Boating and Waterways Outreach Campaign	DPR, OPC	DPR	Dec-19
	3.2.3 Develop new PORTS MPA educational digital resources for K-12 education	DPR will develop at least three MPA digital education packages available online.	DPR, OPC, DFW	DPR	Dec-19
	3.2.4 Expand PORTS MPA Program and park interpretive program offerings on MPA-related topics.	Expand existing PORTS MPA programs, and provide new PORTS and park interpretive MPA programs year-round.	DPR, OPC, DFW	DPR	May-21
	3.2.5 Update and expand accessibility of parks educational materials related to MPAs	DPR will update existing MPA materials as required and translate select MPA published materials into other languages	DPR, OPC, DFW	DPR	Nov-21
3.3 Create and distribute a map of California that includes all protected areas, state, federal and international	3.3.1 Aggregate map layers of MPAs, ASBSs, NERRs, NMSs, Marine Parks, Biosphere reserves, etc. into online interface	Agencies and the public can view the distribution of all protected areas in California in one place for the first time.	MPA Statewide Leadership Team^	ONMS	Dec-19
	3.3.2 Determine the % of state waters that receive full protection (e.g., % coverage of SMRs) and some protection (i.e., % coverage of all other protected areas)	The state and public have a more complete understanding of the % of CA state waters and coastal areas are under what type of protection	MPA Statewide Leadership Team^	DFW	Dec-19
3.4 Office of National Marine Sanctuaries (ONMS) is effectively disseminating MPA messaging and actively engaged in MPA management support activities	3.4.1 Communicate and capture Federal/State jurisdictions in a way that targeted groups can understand complementary nature (i.e. infographic).	Produce and widely distribute product	ONMS	MPA Statewide Leadership Team^	ongoing
	3.4.2 Provide MPA training to staff and docents	Provide trainer and training materials developed in partnership with MPA partners and collaboratives	ONMS, OPC, DFW	DFW	ongoing

^ The Ocean Protection Council administers the MPA Statewide Leadership Team whose members include the Department of Fish and Wildlife, Fish and Game Commission, Coastal Commission, State Lands Commission, Department of Parks and Recreation, State Water Boards, Ocean Science Trust, MPA Collaborative Network and Regional Tribal Representatives

Focal Area: Policy and Permitting

Strategic Priority 1 - Improve governance of MPA network through adaptive management					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
1.1 Partner agencies identify emerging issues and develop recommendations to address them	1.1.1 MSLT serves as a forum for agency communication about emerging issues identified by staff or constituents that may require regulatory action to address	Members of the MSLT raise emerging issues and elevate request to appropriate staff at partner agencies	OPC	MPA Statewide Leadership Team^	ongoing
1.2 Assess pending agency decisions for potential impacts to MPAs	1.2.1 Partner agencies provide informal input to proposed regulations or significant pending decisions that may affect MPAs early in the process	Proposed new or revised regulations that could affect MPAs are brought to MPA SLT meetings for discussion prior to adoption	Coastal Regulatory Agencies (CCC, SLC, FGC, DFW, DPR, PRC, SWRCB)	OPC	ongoing
1.3 Adopt policies at the OPC and agency level that clarify other uses in MPAs not specifically addressed in the MLPA	1.3.1 Adopt policy and provide guidance on the type of citizen/community science that is most useful for informing the MPA Management Program	State adopts policy that provides a roadmap for the types of attributes (e.g. science advisory panel, testing of data collector, data quality control, etc.) that make a citizen science program's data likely to be used to inform the MPA Management Program	OPC, DFW	OPC	Jul-19
	1.3.2 When adopted clarify how FGC/Tribal co-management vision could be applied to MPAs	Form a MSLT working group and create a white paper outlining how the adopted policy could be applied to MPAs and also address opportunities to apply the policy in existing agency processes and practices	Tribal Representatives	FGC, DFW	Dec-19
	1.3.3 Work towards developing a tribal customary use definition and pathways for how it could be incorporated into MPA Management	Work in tandem with the co-management vision development to develop a broadly supported definition of tribal customary use	Tribal Representatives	FGC, DFW	Dec-21
	1.3.4 Adopt a policy that provides guidance on the types of research restoration and manipulations of species, habitats and ecosystems allowed in all types of MPAs	State adopts a policy well supported by current science and expert opinion that delineates the types of research, restoration and manipulation allowed generally in MPAs of varying protection levels.	OPC, DFW	OPC, FGC	Jul-19
Strategic Priority 2 - Integrate MLPA and MPA network goals, objectives and partnership-based management approach to relevant management documents					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Responsibility	Lead Responsibility	Timescale
2.1 Insert relevant content into agency Strategic Plan updates	2.1.1 Include MPA content, management and coordination activities in Coastal Commission Strategic Plan update	Document clearly describes objectives and or actions related to the special considerations MPAs should receive when considering permitting activities	CCC	CCC	Dec-19

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
2.1 Insert relevant content into agency Strategic Plan updates	2.1.2 Coordinate to recommend updates or revisions to the California Ocean Plan during the SWRCB 2019 Triennial Review Process.	Participate in Ocean Plan triennial review stakeholder outreach and public comment opportunities. Provide comments with recommended updates and revisions to the California Ocean Plan which can be considered and prioritized by the SWRCB as a part of the triennial review to ensure the Ocean Plan clearly delineates the special considerations MPAs should receive when considering permitting or regulatory activities.	SWRCB, OPC, CCC	SWRCB	Fall 2019
	2.1.3 Include MPA content in Fish and Game Commission strategic plan update	Document clearly describes the special considering MPAs should receive when considering Commission actions and in providing policy guidance for DFW.	FGC	FGC	19-Dec
Strategic Priority 3 - Enhanced protection for MPA resources is provided in relevant resource agency authorizations					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
3.1 Create tools to improve and highlight inter-agency coordination	3.1.1 Conduct inventory of existing interagency MPA coordination procedures at each agency	Create a memo outlining and summarizing: legislative or policy foundations for special consideration of MPAs, current agency practices, recommendations to improve communication and coordination	SLC, CCC, SWRCB, OPC	OPC	Dec-20
		Create public facing document discussing how agencies coordinate and broadly distribute to relevant stakeholders	OPC	OPC	Dec-20
	3.1.2 Update MLPA Implementation MOU and extend an additional 5 years	All signatures and gathered and document executed	MPA Statewide Leadership Team^	OPC	Dec-20
	3.1.3 Develop interagency coordination guidance document for staff to use at each agency	Building off of white paper from 3.1.1, create internal guidance document for staff at relevant agencies which includes an identified MPA point of contact at each agency	OPC	OPC	Dec-20
	3.1.4 Explore opportunities to evaluate, summarize, and communicate ASBS overlap with MPAs.	Prepare summary paper and consider presentations to Boards and Commissions as appropriate. Consider ASBS and MPA connections in accordance with Section 3.E of the California Ocean Plan.	SWRCB, OPC	SWRCB	2019-2020

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
Strategic Priority 4 - Identify marine resource enhancement/mitigation opportunities and impact avoidance strategies within or associated with MPAs					
4.1 Use existing regulatory/policy avenues to carry out marine resource enhancement, mitigation, or impact avoidance strategies	4.1.1 Identify opportunities for marine resource enhancement, mitigation (e.g. blue carbon), or impact avoidance strategies in current regulatory/policy requirements at participating MLST agencies	Create a document summarizing relevant regulatory/policy requirements relevant to marine resource enhancement, mitigation, or impact avoidance strategies	MPA Statewide Leadership Team^	OPC	Jun-21
	4.1.2 Inform relevant agency staff regarding priority opportunities for marine resource enhancement, mitigation (e.g. blue carbon), or impact avoidance strategies in MPA network and prior projects	Where possible, relevant agency staff align this information with the fulfillment of regulatory and policy requirements	MPA Statewide Leadership Team^	OPC	Jun-21
	4.1.3 Create guidance document summarizing existing CEQA procedures and messaging related to MPAs	Develop guidance document for agencies that includes broadly applicable suggestions on avoiding and minimizing MPA impacts through CEQA review	MPA Statewide Leadership Team^	OPC	Jun-21
	4.1.4 Consider areas to nominate, or nominate areas, for State Water Quality Protected Area designation in accordance with the requirements in Section 3.E. and Appendix IV of the California Ocean Plan and per SWRCB direction per Resolution 2010-0057* to develop recommendations for new SWQPAs.	Regional Water Board consideration of nominated areas, and State Water Board designation as appropriate, in accordance with the requirements in Section 3.E. and Appendix IV of the California Ocean Plan.	SWRCB, OPC	SWRCB	Dec-21

*https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2010/rs2010_0057.pdf

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Focal Area: Enforcement and Compliance

Strategic Priority 1 - Increase capacity and effectiveness of enforcement					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
1.1 Use technology and other tools to increase cost-effectiveness and efficiency of enforcement resources in the field	1.1.1 Develop statewide Records Management System (RMS) to collect, organize and track citation data	Implement a RMS to enhance DFWs ability to collect, store and query law enforcement data. Annual report submitted at September MPA Milestones meeting	DFW	LED	12/1/2018 system launch and ongoing
	1.1.2 Identify enforcement priority areas based on the potential for resource impact, level of use, and potential for violations	Records Management System will allow accurate analysis on the enforcement efforts/needs on specific MPAs; regular uptake of MPA Watch reports may also help inform enforcement needs	DFW	LED	ongoing
	1.1.3 Explore existing and emerging technologies and surveillance systems to enhance MPA enforcement	Assess technologies that are available and evaluate and employ those with potential to enhance MPA enforcement	DFW	LED	ongoing
1.2 Maintain and enhance cooperative enforcement efforts with other agencies (Master Plan)	1.2.1 Promote interagency cooperation and collaboration for more effective MPA enforcement	Develop and facilitate collaborative programs for statewide MPA enforcement New round of enforcement trainings re MPA rules, updated regulations, and AB 2369 if passed. Be sure to include DFW, allied agencies with cite authority, tribes, and local DA's; Update enforcement training manuals and host refresher trainings for allied agencies	LED, CN	CN	Jun-20
1.3 Increase judicial system and enforcement officers awareness of MPA regulations and understanding of the value of MPAs (e.g. DAs and judges)	1.3.1 Develop educational tools specifically for judges and DAs	Develop MPA enforcement video and distribute widely to court and enforcement officers Design and facilitate MPA training to be provided to the judicial system of all CA coastal counties. Meet with individual DA's to encourage designation of wildlife/marine specialist. Ensure tribes are consulted and relevant content on legal, political, cultural and historical context is included.	LED/CDA, CN/DFW	CN	2020
	1.3.2 Hold Enforcement Trainings for court officers	Create training and workplace resources that can be used in the MPA judicial process.	LED/CDA	LED	2020

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
1.4 Actively coordinate with private companies who produce products that display or convey information to the public MPA regulations (e.g. GPS layers, phone applications, etc.)	1.4.1 Actively monitoring products to ensure proper information is being disseminated	MPAs depicted on most commonly used GPS systems are accurate	LED/DTD/OCEO	DFW	ongoing
1.5 Plan and Conduct a DFW Law Enforcement Division Needs Assessment to determine if they have the resources to effectively enforce MPA regulations.	1.5.1 Identify and address LED personnel needs for MPA enforcement.	Prepare a document identifying appropriate staffing levels and equipment requirements for existing and anticipated future needs including a section on recruiting officers from diverse communities. Some tribes are interested in supporting enforcement efforts through existing tribal authority and/or through arrangements with local sheriffs. See e.g., Canadian Guardian Watchmen program.	DFW, Interested Tribes	LED	2021
	1.5.2 Identify and address LED equipment needs for MPA enforcement.	Identify funding source to purchase items needed for MPA enforcement	DFW, OPC	LED	2019 Purchases by 2021
Strategic Priority 2 - Increase coordination and improve capacity to conduct MPA compliance monitoring/assessment					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
2.1 Track allied agency enforcement actions in MPAs	2.1.1 Develop and distribute survey for allied agencies to easily report contacts and cites on a quarterly basis	Summaries of allied agency contributions to MPA compliance	CN	CN	2021

Focal Area: Research and Monitoring

Strategic Priority 1 - Develop the format, process and content for the 2022 Ten-Year Management Review					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
1.1 Engage with key partners like Oregon Department of Fish and Wildlife (ODFW), legislators and Fish and Game Commissioners to develop a format for management review	1.1.1 Hold continued meetings with ODFW at least annually to continue to coordinate on analyses and format	At least one in-person annual meeting, that produces meeting notes and other products to assist with 2022 Review process and format	OPC, DFW	DFW	ongoing
	1.1.2 Outreach to commissioners and legislators about expectations and format of review	Meet at least 4 coastal legislators annually to brief them on 2022 Review preparations.	OPC,DFW	OPC,DFW	ongoing
	1.1.3 Outreach to commissioners about expectations and format of review	Have at least one briefing with Fish and Game Commission by 2020 to get feedback on the 2022 review	FGC,OPC, DFW	FGC	ongoing
	1.2.1 Convene SAT Working Group to develop recommendations for the format, types of analyses and summaries that should be prepared	SAT Working Group creates report with recommendations based on the best-science available for the types of analyses and synthetic products that would be most useful to assess MPA Network performance in relation to the goals of the Marine Life Protection Act	OPC, OST, DFW	OST	Dec-19
Strategic Priority 2 - Strengthen alignment of MPA Monitoring Program with other state resource management priorities					
Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
2.1 Align marine and water quality protected area (i.e., ASBSs, MPAs) monitoring programs to leverage resources, capacity and expertise across mandates and jurisdictions	2.1.1 Continue and improve coordination between Southern California Coastal Water Research Project BIGHT Monitoring Program and MPA Monitoring Program	Create document that lays out the two programs goals and objectives with a focus on identifying areas of alignment and opportunity for increased collaboration	DFW, SWRCB, OPC	OPC	2019
		Create map product that identifies water quality areas of concern in or adjacent to MPAs based on long-term BIGHT monitoring,	DFW, SWRCB, OPC	OPC	2019
	2.1.2 Review ASBS and MPA monitoring plans, reports and/or work plans to identify overlaps in program components	Map generated that illustrates where ASBSs and MPAs are co-located and where data for each monitoring program has been collected	OST, SWRCB	OPC	Dec-19
		Document created that identifies overlaps in requirements, methodology, funding sources, and personnel	SWRCB, OPC	OPC	Dec-19
	2.1.3 Work with Water Monitoring Council to develop unified interagency strategy to identify overlaps in regulatory National Pollutant Discharge Elimination System (NPDES) and MPA monitoring.	A document created that identifies overlaps in requirements, methodology, funding sources, and personnel	SWRCB, OPC	OPC	Dec-20

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
2.2 Populate and maintain the CNRA Open Data Portal (data.cnra.ca.gov) with all relevant MPA data that can inform performance evaluations	2.2.1 Finish transition of all baseline data to ODP	All baseline data displays properly including previewing functionality	DFW, OPC	OST	Dec-19
		MPA monitoring data and results are easily accessible and curated for long-term, public accessibility	DFW, OPC	DFW, OPC	ongoing
	2.2.2 Work with contractor to build comprehensive data governance for ODP	Clear quality standards are established and widely published	DFW, OPC	OPC	Jun-20
	2.2.3 Become a data node for Data One and establish connections to other relevant data repositories	Relevant data is displayed on Data One and ODP and other relevant data repositories	DFW, OPC	OPC	Jun-20
	2.2.4 Develop compelling visualizations and a map interface	Map of biological, physical, chemical and human use monitoring assets is completed	DFW, OPC	DFW, OPC	Dec-20
		Map interface that displays spatial and temporal coverage of available data	DFW, OPC	OPC	ongoing
2.3 Diversify monitoring collaborations and including multiple sources of knowledge (agency, academic, local, traditional, community/citizen, to broaden participation and deepen understanding of ocean health	2.3.1 Develop an approach for integrating multiple sources of knowledge (e.g., traditional ecological knowledge (TEK), ecological data, socioeconomic data)	A guiding document is produced that provides a framework for integrating TEK research with other sources of knowledge into long-term monitoring statewide	Tribal Reps, DFW,OPC	OPC	Dec-20
		Data use guidelines are produced for TEK and are applied long-term MPA monitoring activities	Tribal Reps, DFW, OPC	OPC	Dec-20
	2.3.2 Develop an inventory of relevant community/citizen science monitoring programs	Extent and capacity of existing community/citizen science and tribal-lead monitoring programs is summarized in map product or document	Tribal Reps, DFW, OST, OPC	OPC	Dec-19
2.4 Pursue MPA research and monitoring activities that have the potential to inform and/or align multiple management mandates and priorities	2.4.1 Prioritize and align data collection and approaches that can inform both 1) essential fisheries information that is useful for stock assessments and fisheries management decisions, and 2) ecological information that is useful to assess condition and trends of marine ecosystems	Key indicators, metrics, and datasets are identified that can inform both fisheries and MPA management at multiple scales	DFW, OST, OPC	DFW	ongoing
		Focal MPAs are identified where data collection could inform both MPA and fisheries management at multiple scales	DFW, OST, OPC	DFW	ongoing
	2.4.2 Incorporate approaches within <i>Tracking the Impacts of Changing Ocean Chemistry to Inform Decisions and emerging products from the West Coast Ocean Acidification and Hypoxia (OAH) Science Panel and Task Force.</i>	MPA and OAH monitoring activities are geographically and temporally aligned.	OPC, OST	OPC	ongoing
	2.4.3 Engage regional experts to explore approaches for assessing the impacts of climate change on ocean ecosystems and resources and evaluating how a changing climate will alter the MPA network's ability to meet MPA management and policy goals	Long-term MPA monitoring produces data that contributes to our understanding of climate change impacts.	DFW, OPC, OST	OPC	ongoing
		MPA monitoring and network assessment plan for climate change impacts	DFW, OPC, OST	OPC	ongoing

Key Action	Action Summary	Outcome Required/ Performance Indicator	Key Facilitator/Funder	Lead Responsibility	Timescale
Strategic Priority 3 - Implement MPA Monitoring Program Action Plan					
3.1 Action Plan adopted by Fish and Game Commission and OPC	3.1.1 Peer- and public-reviewed document brought to Fish and Game Commission	Action Plan endorsed/adopted	DFW, OPC, FGC	DFW, FGC	Oct-18
	3.1.2 Peer- and public-reviewed document brought to Ocean Protection Council	Action Plan endorsed/adopted	DFW, OPC	DFW, OPC	Oct-18
3.2 MPA Monitoring Program Phase 2 implemented via a competitive process	3.2.1 Priority metrics, sites (reference and MPA), habitats and species are monitored to inform 2020 Ten-Year Management Review	Projects selected using competitive peer review process and approved by OPC	DFW, OPC	DFW, OPC	Feb-19
		Monitoring and required analyses funded and underway in priority habitats through 2021	DFW, OPC	DFW, OPC	May-19 and ongoing
3.3 Ongoing reporting of results	3.3.1 Stakeholders receive timely and effective reporting of results in an easy to understand format	At least annually there is a concerted multi-platform (e.g. digital and print media, conferences, workshops etc.) effort to share emerging results and on-going activities of the MPA Monitoring Program	MPA Statewide Leadership Team^	OPC	ongoing
	3.3.2 Decision makers receive timely and effective reporting of results in easy to understand format	Conduct at least 6 briefing annual to share emerging results and on-going activities of the MPA Monitoring Program	MPA Statewide Leadership Team^	OPC	ongoing

^ The Ocean Protection Council administers the MPA Statewide Leadership Team whose members include the Department of Fish and Wildlife, Fish and Game Commission, Coastal Commission, State Lands Commission, Department of Parks and Recreation, State Water Boards, Ocean Science Trust, MPA Collaborative Network and Regional Tribal Representatives