

California MLPA South Coast Study Region
Description of Marine Protected Areas (MPAs) in SCRSG MPA Proposal 1
Document Edit Date September 22, 2009

MLPA Study Region: South Coast
 Name of Array: Round 3 WorkGroup1 Proposal 090910
 Author: SCRSG Work Group 1
 Proposal Revision Date: September 10, 2009

Total number of MPAs/closures: 52
 Number of SMRs: 32
 Number of SMCAs: 17
 Number of SMPs: 1
 Number of SMRMAs: 0
 Number of Military Closures: 2

MPA Name	MPA ID	Bioregion	MPA Boundaries (Exact or Approximate)	Designation	Level of Protection	Proposed Take Regulations	Other Proposed Regulations
Point Conception SMR	73592	North Mainland	Exact boundaries working off graticules at the whole minute line. Eastern boundary runs due north-south from 120 degrees, 25.00 minutes longitude to state boundary line; North-western boundary runs due east-west at 34 degrees, 27.00 minutes latitude to state boundary line. The North-western boundary, west of Pt. Conception is based on the study region, but group would support putting it to the graticule if the study region boundary is modified. The boundary was moved to 3 miles with general group support.	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Kashtayit SMP	74014	North Mainland	Western boundary is a straight line due south from shore to 34.27.30 N, 120.14.00 W Southern boundary is straight line between 34.27.30 N, 120.14.00 W to 34.27.3 N, 120.12.50 W Eastern boundary is straight line due north from 34.27.3 N, 120.12.50 W to shore Northern boundary is mean high high tide	SMP	Low	The intent of this MPA is to allow recreational take of all finfish, marine invertebrates except for rock scallops and mussels, giant kelp by hand harvest.	
Kashtayit SMP (continued)	74014						

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Point Conception SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	<p>This MPA includes a major biogeographic boundary and is designed to protect key important habitats including an upwelling zone, oil seeps, pinnacles, rocky reefs, kelp forest, deep rock, and harbor seal haulouts.</p> <p>It includes numerous research and monitoring sites (PISCO, MARINE, and CRANE) and also represents a site of cultural significance for the Chumash.</p>	<p>Access to this site is difficult given the distance from Santa Barbara Harbor and the small boat launch at Gaviota, allowing for high conservation value while minimizing socioeconomic impacts. The previous iteration of this shape included St. Augustine reef; however, in Round 2, the boundary was pulled further to the west to open this reef for fishing interests and pulled an additional mile to the east in Round 3 as a tradeoff for the Naples SMCA. Additionally, the western boundary of the original shape was extended to the west to capture hard 30 - 100m habitat. It is the intent of WG1 to include exemption language similar to that at Vandenberg SMR to allow for military activities.</p>
Kashtayit SMP	G3: (O-1,O-2,O-3), G5: (O-2,O-3,O-4), G6: (O-1)	<p>This is intended as a heritage site with significant educational opportunities. Kashtayit SMP is contiguous to an existing State Park, Gaviota State Park, the traditional Chumash village site of Kashtayit. As a Traditional Cultural Place that plays a significant role in Chumash maritime culture, it is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and Chumash maritime cultural preservation and revitalization.</p>	<p>As a Traditional Cultural Place that plays a significant role in Chumash maritime culture, this SMP is ideally suited for tribal co-management to promote both 1) protection consistent with the MLPA, and 2) cultural preservation and revitalization, consistent with the objectives of the MLPA.</p> <p>The SCRSG recommends: 1) establishing Chumash co-management for this SMP. Chumash government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Chumash cultural preservation;</p> <p>2) that Parks and Recreation considers creating a Cultural Preservation site to overlap this SMP to further the goals for the area; and</p> <p>3) establishing recreational fishing at a moderate-low level of protection that improves conservation benefits while allowing for traditional practices.</p>
Kashtayit SMP (continued)			<p>Chumash tribal groups will seek to formulate an agreement with appropriate State departments, e.g., Fish and Game and Parks and Recreation, that would delineate a co-management relationship, and include specifying any cultural gathering (extraction) which are not currently options under DFG's regulated activities.</p> <p>As the original inhabitants of this area, the Chumash will bring cultural and environmental values that sustained their culture for millennia.</p>

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Naples SMCA	73593	North Mainland	Western boundary: 119.58.1 Eastern boundary: 119.56.0 Offshore boundary: 34.25.0	SMCA	Low	The take of all living marine resources is prohibited except: 1. The recreational take of finfish by Spearfishing. 2. The commercial take of Giant kelp by Mechanical harvest.	None specified
Helo SMR	73601	North Mainland	Western boundary: 119.53.5 Eastern boundary: 119.50.2 Eastern boundary runs due south from a cliff Offshore boundary: out to 3 mile state water line	SMR	Very High	Take of all living marine resources is prohibited.	This reserve covers a major oil and gas seep, which has two man-made tents capturing released gas and delivering it through associated pipelines to an onshore refinery. Current oil activities are permitted to continue without interference. Likewise UCSB Marine Science Institute is permitted to continue current discharge and intake of seawater into this SMR.
Devereux Lagoon SMR	73598	North Mainland	Boundaries should be in line with current definitions of lagoons and coastal wetlands. ie: Mean Tide Line	SMR	Very High	Take of all living marine resources is prohibited.	None specified

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Naples SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3,O-4), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-3,O-4,O-5), G6: (O-1,O-2)	This small MPA has been designed to provide protection for a highly productive, unique offshore rocky reef with exceptional substrate diversity and relief, low-impact rural adjacent land uses, intertidal areas, surfgrass, kelp forest, and a harbor seal haulout. This is a well-known and iconic area used by divers, surfers and kayakers and includes a long-term scientific research and monitoring sites for PISCO and LTER. This is also an area that plays a significant role in Chumash maritime culture, it is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and 3) Chumash maritime cultural preservation and revitalization.	This SMCA has been created below the minimum size guidelines in order to minimize socioeconomic impacts to halibut and lobster fisheries. It allows for spear fishing and catch and release to accommodate the continuation of this recreational activity. Finally, this SMCA would allow for kelp harvest in order to offset the socioeconomic impact of placing an SMR over the existing kelp lease adjacent to UCSB. The SCRS also recommends that DFG explore establishing Chumash co-management for this SMCA. Chumash government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Chumash cultural preservation.
Helo SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	This MPA is designed to protect a wide diversity of habitats including eelgrass, surfgrass, kelp forest, rocky reefs, shallow subtidal, rocky intertidal, oil seeps, sand, and the estuarine inputs of Devereux Slough. It includes scientific research and monitoring sites (MARINE and LTER) and incorporates public outreach, education, and enforcement already in place with the UC Natural Reserve at Coal Oil Point and an active community presence associated with UCSB.	The eastern boundary of this SMR was originally created to capture some of the eelgrass beds on the western side of Goleta Bay while avoiding the Goleta Sewer outfall pipeline, access from Goleta Beach County Park, and the Goleta Beach public fishing pier. In Round 3, the eastern boundary of this MPA was moved to 2 graticules to the west to anchor the boundary at the blowhole is a visual landmark. The existing kelp lease in this location would need to be relocated. This MPA was named in recognition of the historical Chumash presence in this location.
Devereux Lagoon SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	This lagoon system is part of the wetland Coal Oil Point Reserve, part of the University of California Natural Reserve System, and is therefore already primed for wildlife preservation, public education, academic research, and enforcement due to the large currently active docent and volunteer support network. It supports numerous wetland amphibian, mammal, bird and fish species including five estuarine fish species and several special status coastal bird species along with a recovery program for the threatened Snowy Plover.	Important to pair protection of estuary system with marine habitat protection to maintain natural ecological linkages and recognize their critical role in ecosystem services. We would also like to minimize the impacts on current scientific take practices, and allow the current methods of procuring scientific take remain in place so long as they are not overtly harming the resource. The intent with these coastal wetlands is to provide the highest level of protection possible while protecting the operations of current wetlands managers where the managers are doing great work. We support regulated scientific take of relative resources in an effort to more completely understand their ecosystems. In this case the current manager(s) of this UC Reserve have requested that the Devereux Lagoon be set as an SMR. UC Reserves only protect the waters from land based activities. Theoretically a boater could enter these areas and fish legally.

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Goleta Slough SMR	73596	North Mainland	Boundaries should be in line with current definitions of lagoons and coastal wetlands. ie: Mean Tide Line	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Carpinteria Salt Marsh SMR	73597	North Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Point Dume SMCA	73609	North Mainland	Western boundary runs from the shore due north-south along the 118.53.00 W to State Waters; the eastern boundary runs from shore along the 118.49.00 W to State Waters.	SMCA	High	The take of all living marine resources is prohibited except: 1. The recreational take of Pelagic finfish, Pacific bonito, and White seabass (Spearfishing). 2. The commercial take of Market squid and coastal pelagic finfish (Pelagic seine); Market squid (Dip net); and Swordfish (Harpoon).	None specified
Point Dume SMR	73610	North Mainland	Western boundary runs from the shore due north-south along the 118.49.00 W to State Waters; the eastern boundary runs from shore along the 118.47.30 W to State Waters. The eastern boundary uses a landmark at the west side of Paraside Cove Beach, where the wide portion of the beach meets the bluff (at the western edge of the Paraside Cove parking lot).	SMR	Very High	Take of all living marine resources is prohibited.	None specified

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Goleta Slough SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	The purpose of this MPA is to protect estuarine habitat, which serves as a nursery for a number of fish species and includes at least 20 special status bird species. It provides a critical ecological link between protection of estuarine habitat and the protection of marine habitats provided by the Helo SMR. This MPA provides educational opportunities due to its close proximity to UCSB and Goleta Beach County Park.	None specified
Carpinteria Salt Marsh SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	This estuary habitat is in unique close proximity to a offshore persistent kelp forest and reef. Important to pair protection of the estuary system with marine habitat protection to maintain natural ecological linkages and recognize their critical role in ecosystem services. This area is designated as a University of California Natural Reserve and is critical habitat for migratory waterfowl, plants and animals listed as endangered, threatened or of special concern, such as the salt marsh birds-beak, light-footed clapper rail and Belding's savannah sparrow, and is an important nursery for many marine and estuary fishes, including halibut and leopard sharks. There is extensive opportunities for ongoing research and public education including already existing activities such as university courses, an on-site interpretive center, teaching amphitheater, nature trail, weekly docent tours, EPA-funded toxicology center, and a PEEIR Consortium site.	<p>The intent with these coastal wetlands is to provide the highest level of protection possible while protecting the operations of current wetlands managers where the managers are doing great work. We support regulated scientific take of relative resources in an effort to more completely understand their ecosystems.</p> <p>In this case the current manager(s) of this UC Reserve are concerned about an SMR designation and how it may limit their work. UC Reserves only protect the waters from land based activities so we have set this as an SMR and hope for feedback on any hardship this designation would cause the existing managers. Theoretically a boater could enter these areas and fish legally, and we want to protect against this.</p> <p>Acknowledge issues with dogs in estuaries.</p>
Point Dume SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-2,O-3,O-4), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-3,O-5), G6: (O-3,O-4)	Intent is to meet habitat replication for key important habitats. Co-located with an ASBS for water quality considerations. This stretch of coast encompasses some of the most diverse habitats in Los Angeles County, including an upwelling zone, submarine canyon habitat, unique spur and groove reef structures, extensive kelp, and diverse understory algal habitat. This is also an area of high species diversity. There is long-term monitoring and research opportunities in this area. This is also an area that plays a significant role in Chumash maritime culture, it is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and 3) Chumash maritime cultural preservation and revitalization.	We allowed for squid and coastal pelagic species seining, spearfishing for pelagics and harpooning for swordfish [all high LOP activities] to generate cross interest support from conservation and consumptive communities. The SCRSG also recommends that DFG explore establishing Chumash co-management for this SMCA. Chumash government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Chumash cultural preservation.
Point Dume SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-2,O-3,O-4), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-3,O-5), G6: (O-3,O-4)	Intent is to meet habitat replication for key important habitats. Co-located with an ASBS for water quality considerations. This stretch of coast encompasses some of the most diverse habitats in Los Angeles County, including an upwelling zone, submarine canyon habitat, unique spur and groove reef structures, extensive kelp, and diverse understory algal habitat. This is also an area of high species diversity. There is long-term monitoring and research opportunities in this area. This is also an area that plays a significant role in Chumash maritime culture, it is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and 3) Chumash maritime cultural preservation and revitalization.	<p>The Point Dume SMR is intended to work as a cluster with the Point Dume SMCA. Together these MPAs are designed to meet size and spacing guidelines by connecting with the Palos Verdes and Helo SMRs. Work Group 1 considered Dume and Palos Verdes as areas of importance to minimize negative socioeconomic impacts. Still, PV is 17.25 sq.mi., near preferred size. Dume SMR/SMCA cluster is preferred size with very high LOP.</p> <p>The SCRSG also recommends that DFG explore establishing Chumash co-management for this SMCA/SMR complex. Chumash government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Chumash cultural preservation.</p>

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Palos Verdes SMR	73932	South Mainland	Northern boundary runs along the 33 47.10 degree of Latitude from the 3 mile state water boundary to the shore. From this northern shore point the boundary runs southward along the beach to the most prominent point on the peninsula known as Rocky Point at 33 46.445 N 118 25.7 W. From this point the boundary departs the shore and runs due south along the 118 25.7 line of Longitude to the 3 mile state water boundary line.	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Palos Verdes SMR (continued)	73932						
Point Fermin SMCA	74015	South Mainland	Western boundary: Intended to run off the point at Point Vicente. Eastern boundary: W 118' 16.9" degrees Southern boundary: N 33' 42.2" degrees	SMCA	Moderate Low	The take of all living marine resources is prohibited except: 1. The recreational take of Lobster by Diving; Shore fishing (any target) by Hook and line; Finfish by Hook and line; and Finfish by Spearfishing. 2. The commercial take of Lobster by Trap; and Urchin by Diving.	None specified
Bolsa Chica SMCA	74106	South Mainland	Entire Bolsa Chica Wetlands above the Pacific Coast Highway Bridge	SMCA	Moderate High	The take of all living marine resources is prohibited except the recreational take of Catch and release from shore (any target) by Hook and line (single barbless hooks and artificial lures).	The intent of this designation is to allow all restoration activities including dredging. Fishing is only allowed in shore access areas approved by the Ecological Reserve manager.
Upper Newport Bay SMCA	74108	South Mainland	All of Newport Bay above a line from the southern end of shellmaker island to North Star Beach	SMCA	Moderate High	The take of all living marine resources is prohibited except the recreational take of Catch and release from shore (any target) by Hook and line (single barbless hooks and artificial lures).	The intent of this designation is to allow all restoration activities including dredging. Fishing is only allowed in shore access areas approved by the Ecological Reserve manager.

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Palos Verdes SMR	G1: (O-2,O-4), G2: (O-4)	This site is a geographic center of biodiversity in the southern California bight, and an equally important commercial and recreational fishing area. All habitats necessary for SAT guidelines are captured while at the same time minimizing the economic impacts.	Socioeconomic considerations; The PV peninsula represents \$\$ millions of dollars in fishing and recreation to the harbors and communities both north and south of the peninsula. Since commercial fishing is not allowed on the North side of the peninsula a situation of economic fairness is needed. This was achieved by straddling the district 19 line. Since a "habitat hot spot" was located the creation of a shape to meet size guidelines including this "hot spot" while minimizing economic loss became the goal. Additionally shore based fishers and divers were given great consideration in this shape.
Palos Verdes SMR (continued)			Habitat/SAT considerations; The PV peninsula has most of the habitat types needed to meet SAT guidelines, in fact, one specific location, an area of less than 4 square miles, actually captures the needed habitats and some of the rarest habits in the study region. Having located this "hot spot" of biodiversity the challenge becomes how to meet the size guidelines. Feasibility considerations; This shape requires some effort from all parties to really see the minor stretches in feasibility required to achieve an economically viable solution. Boundary points where chosen that are easily definable and prominent.
Point Fermin SMCA	G3: (O-1,O-2,O-3), G5: (O-4)	This MPA will improve an existing MPA by cleaning up the boundaries and regulations to improve the education programs conducted by the Cabrillo Marine Aquarium since before the creation of the MPA in 1969. The changes will particularly enhance the Aquarium's grunion spawning and inter-tidal programs.	The eastern boundary is on a 1/10 of a minute because this lines up with the start of the parking lot and will be easier for the Cabrillo Aquarium and DFG to enforce the restriction on grunion fishing. Commercial fishing for lobster and urchin is not inconsistent with the Cabrillo Marine Aquarium educational programs and prevents them from loosing their fishing grounds that are now included as a result of squaring off the existing boundaries.
Bolsa Chica SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-2), G5: (O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	The purpose of this MPA is to protect estuarine habitat, which serves as a nursery for a number of fish species and includes special status bird species. Located at Bolsa Chica estuary and near the traditional Tongva village area of Povuu'nga Komiik (aka Puvungna East), this Traditional Cultural Place plays a significant role in Tongva tribal culture. It is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and 3) Tongva maritime cultural preservation and revitalization.	The SCRSG also recommends that DFG explore establishing Tongva co-management for this SMCA. Tongva government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Tongva cultural preservation.
Upper Newport Bay SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	The purpose of this MPA is to protect estuarine habitat, which serves as a nursery for a number of fish species and includes special status bird species.	None specified

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Crystal Cove SMCA	73689	South Mainland	Northern boundary extends from shore, a line due south along 117.53.0 W to 33.35.0 N 117.53.0 W. then along a line from 33.35.0 N 117.53.0 W to 33.33.0 N 117.50.0 W, Southern boundary extends from 33.33.0 N 117.50.0 W due north along 117.50.0 W to shore.	SMCA	Moderate Low	The take of all living marine resources is prohibited except: 1. The recreational take of Lobster and Urchin (Diving) and Finfish (Hook and line and Spearfishing). Allow recreational take of all finfish except sheephead. 2. The commercial take of Lobster (Trap), Urchin (Diving), and Market squid (Pelagic seine).	None specified
Laguna SMR	74110	South Mainland	Northern boundary is mean high high tide Western boundary is straight line from shore due south along 117 50.0 to 33 30.5 N, 117 50.0 W Southern boundary is straight line from 33 30.5 N, 117 50.0 W due east to shore Eastern boundary is mean high high tide	SMR	Very High	Take of all living marine resources is prohibited.	It is not the intent of this MPA to impede ongoing Clean Water Act mandated monitoring, maintenance and marine life sampling for pollutant effects associated with the Aliso Creek mid-level sewer outfall. Allow scientific data collection by commercial fishermen trained to collect data.
Dana Point SMCA	73726	South Mainland	Northern boundary extends from shore, a line due west along 33.30.5 N to 33.30.5 N 117.46.0 W. then along a line from 33.30.5 N 117.46.0 W to 33.30.0 N 117.46.0 W, then along a line from 33.30.0 N 117.46.0 W to 33.27.0 N 117.43.0 W, Southern boundary extends from 33.27.0 N 117.43.0 W to the corner of the break wall at approximately 33.27.483 N 117.42.285 W then along break wall at mean high high tide then along shore at mean high high tide	SMCA	Moderate Low	The take of all living marine resources is prohibited except: 1. The recreational take of Lobster and Urchin (Diving) and Finfish (Hook and line and Spearfishing). Allow recreational take of all finfish except sheephead. 2. The commercial take of Lobster (Trap), Urchin (Diving), and Market squid (Pelagic seine).	None specified

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Crystal Cove SMCA	G1: (O-1,O-5), G2: (O-1,O-2,O-3,O-4), G3: (O-1,O-2,O-3), G5: (O-1,O-2), G6: (O-1,O-2)	This MPA will resolve DFG boundary feasibility issues and maintain legacy protection of intertidal invertebrate species such as kellet whelks, top shells, limpets and sea cucumbers and abalone while allowing lobster and urchin and fin fish take. It is also intended as a heritage site with significant educational opportunities. Crystal Cove SMCA is contiguous to an existing State Park, and is in the traditional Juaneño/Acjachemem area of Umuqpat. As a Traditional Cultural Place that plays a significant role in Juaneño/Acjachemem culture, it is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and 3) Juaneño/Acjachemem maritime cultural preservation and revitalization.	It is the intent of this MPA to allow sport fishing and commercial fishing while continuing legacy protection of intertidal and sub tidal areas that support educational and restoration activities. The SCRSG recommends: 1) establishing Juaneño/Acjachemem co-management for this SMCA. Juaneño/Acjachemem government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Juaneño/Acjachemem cultural preservation; 2) that Parks and Recreation considers creating a Cultural Preservation site to overlap this SMCA to further the goals for the area; and 3) establishing recreational fishing at a moderate-low level of protection that improves conservation benefits while allowing for traditional practices.
Laguna SMR	G1: (O-1,O-2,O-3,O-4), G2: (O-2), G3: (O-2), G5: (O-3), G6: (O-1,O-3,O-4)	This will serve as a backbone regional SMR for ecologically important size and spacing linkages. The reserve includes a good representation of variety of rocky and sandy habitats, including diverse rocky intertidal, shallow kelp reefs. This reserve captures maximum kelp, providing connectivity between PV and Point Loma to achieve SAT guidelines. This MPA avoids the Aliso Creek outfall and is partially co-located with an ASBS for water quality considerations.	This reserve was designed to protect significant marine resources while meeting as many of the SAT habitat guidelines as possible while reducing the impact on offshore recreational and commercial uses.
Dana Point SMCA	G1: (O-1,O-5), G2: (O-1,O-2,O-3,O-4), G3: (O-1,O-2,O-3), G5: (O-1,O-2), G6: (O-1,O-2)	This MPA will resolve DFG boundary feasibility issues and maintain legacy protection of intertidal invertebrate species such as kellet whelks, top shells, limpets and sea cucumbers and abalone while allowing lobster and urchin and finfish take.	It is the intent of this MPA to allow sport fishing and commercial fishing while continuing legacy protection of intertidal and sub tidal areas that support educational and restoration activities. It is not the intent of this MPA to impede ongoing Clean Water Act mandated monitoring, maintenance and marine life sampling for pollutant effects associated with the Aliso Creek mid-level sewer outfall.

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MPA Name	MPA ID	Bioregion	MPA Boundaries (Exact or Approximate)	Designation	Level of Protection	Proposed Take Regulations	Other Proposed Regulations
Batiquitos Lagoon SMR	73940	South Mainland	Boundary is inland of the I-5 (the Pacific Coast Highway Bridge)	SMR	Very High	Take of all living marine resources is prohibited.	Activities such as dredging and habitat restoration are allowed
San Elijo Lagoon SMR	73947	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Del Mar SMR	73728	South Mainland	northern boundary is a straight line from shore due west along 32.59.40 N to 3 nautical miles from shore (state water line) western boundary follows state water line southern boundary is a straight line from 3 nautical miles from shore (state water line) at 32.56.20 N due east to shore eastern boundary is mean high high tide	SMR	Very High	Take of all living marine resources is prohibited.	The intent of this designation is to allow sand replenishment and beach nourishment activities to continue.
San Dieguito Lagoon SMR	73946	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line	SMR	Very High	Take of all living marine resources is prohibited.	The intent of this designation is to allow all restoration activities including dredging.
Los Penasquitos Marsh SMR	73945	South Mainland	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	The intent of this designation is to allow all restoration activities including dredging.
La Jolla Cove SMR	73955	South Mainland	Same boundaries as existing MPA. This area is bounded by the mean high tide line and the following points: 32. 51.86' N. lat. 117. 15.28' W. long.; 32. 51.86' N. lat. 117. 16.25' W. long.; 32. 51.22' N. lat. 117. 16.17' W. long.; and 32. 51.07' N. lat. 117. 16.40' W. long.	SMR	Very High	Take of all living marine resources is prohibited.	Restrictions exist regarding: boat launching areas and anchoring times.

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Batiqitos Lagoon SMR	G1: (O-3,O-4,O-5), G2: (O-2), G3: (O-1), G4: (O-1,O-2), G5: (O-4,O-5)	The site is one of the few remaining wetlands on the Southern California coastline and currently managed as a nature reserve by the Department of Fish and Game. The purpose of this MPA is to protect estuarine habitat, which serves as a nursery for a number of fish species and includes special status bird species. An SMR at this site would enhance the existing education and outreach programs already in place in the lagoon. It is a key site in traditional Luiseño territory. As a Traditional Cultural Place that plays a significant role in Luiseño culture, it is ideally suited for tribal co-management to promote 1) education and outreach, 2) marine stewardship, and 3) Luiseño maritime cultural preservation and revitalization.	The SCRSG recommends that DFG explore establishing Luiseño co-management for this SMCA. Luiseño government and non-government entities will seek to formulate MOUs with appropriate State departments, e.g., Fish and Game and Parks and Recreation for education and outreach, marine stewardship, and Luiseño cultural preservation.
San Elijo Lagoon SMR	G1: (O-3,O-4,O-5), G2: (O-3), G4: (O-1,O-2), G5: (O-5)	San Elijo Lagoon is larger than the neighboring estuaries to the north and hosts a far more diverse assemblage of birds. A nine hundred acre wetland restoration project is proposed for this area and it is an important nursery ground for halibut.	None specified
Del Mar SMR	G1: (O-3,O-5), G2: (O-1,O-2,O-3), G4: (O-1,O-2)	This MPA is designed to protect key important habitats including shallow and deep rock, kelp forest, surfgrass, and sand.	None specified
San Dieguito Lagoon SMR	G1: (O-3,O-4,O-5), G2: (O-3), G4: (O-1,O-2), G5: (O-5)	The purpose of this MPA is to protect estuarine habitat, which serves as a nursery for a number of fish species and includes special status bird species.	None specified
Los Penasquitos Marsh SMR	G1: (O-3,O-4,O-5), G2: (O-3), G4: (O-1,O-2), G5: (O-5)	The nursery values to marine species and importance as a foraging area for birds are consistent with the known biological resources of this marsh. Estuaries are key and unique habitats deserving of a high level of protection.	None specified
La Jolla Cove SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3,O-4), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G6: (O-1,O-2)	This small SMR has been designed to provide protection for a portion of the most diverse and extensive representation of marine life and habitats within the entire South Coast study region. This biological hotspot includes dense kelp forest, rocky and sandy intertidal areas, rocky reefs, and the scarce hard 30 -100 meter habitat. It includes some of the oldest, long-term and well studied temperate marine systems with current research and education being conducted by UCSD, SCRIPPS, SIO, La Jolla Ecological Reserve, SDSU, and CRANE.	This SMR has been created below the minimum size guidelines in order to minimize socioeconomic impacts to commercial recreational, and CPFV fishermen out of San Diego and Mission Bay harbors. Its proximity to many academic and research facilities will provide opportunities for education, study, and ongoing monitoring as well as collaborative research with local fishermen. The existing north La Jolla SMR boundary was retained due to extensive public comment over the widespread acceptance of the existing boundaries of this heritage MPA. The existing boundaries were established over 38 years ago, they are accepted by fishers and closely monitored by the community.

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La Jolla South SMR	73851	South Mainland	northern boundary is a straight line from shore due west along 32.49.60 N to 117.19.00 W western boundary is a straight line between 32.49.60 N 117.19.00 W and 32.48.80 N 117.19.00 W southern boundary is a straight line from 32.48.80 N 117.19.00 W due east to shore eastern boundary is mean high high tide	SMR	Very High	Take of all living marine resources is prohibited.	
La Jolla South SMCA	74016	South Mainland	northern boundary is a straight line from shore due west along 32.48.80 N to 117.19.00 western boundary is a straight line between 32.48.80 N 117.19.00 W and 32.48.00 N 117.19.00 W southern boundary is a straight line from 32.48.00 N 117.19.00 W due east to shore eastern boundary is mean high high tide	SMCA	Moderate Low	The take of all living marine resources is prohibited except: 1. The recreational take of Kelp bass and Barred sand bass, Pelagic finfish, Pacific bonito and White seabass (Hook and line); Lobster and Urching (Diving); and White seabass (Spearfishing). 2. The commercial take of Lobster (Trap); and Urchin (Diving).	Implement concurrently with SWQCB designation as a SWQPA
Famosa Slough SMR	73956	South Mainland	boundaries are mean high high tide between W Mission Bay Dr. and Sunset Cliffs Blvd in the famos a slough and mission bay channel	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Ocean Beach Pier SMCA	74245	South Mainland	This is a triangular shape that has the northern edge along the 32.45.00N line of latitude between the beach and state waters. The eastern edge is along the beach. The third edge is between the edge of the rocks south of the pier going northwest to the 32.45.00N X - 117. 16.00W point.	SMCA	Moderate High	The take of all living marine resources is prohibited except the recreational take of Pier fishing (any target) by Hook and line.	None specified
Ocean Beach SMR	73734	South Mainland	From the base of the Ocean Beach pier to 32 45.0 N 117 16.0 W then a straight line from 32 45.0 N 117 16.0 W due west to 3 nautical miles off shore (state water line) then southward following state water line to 32 42.8N then eastward along the 32 42.8 N line to shore eastern boundary is mean high high tide	SMR	Very High	Take of all living marine resources is prohibited.	None specified

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La Jolla South SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3,O-4), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G6: (O-1,O-2)	This small SMR has been designed to provide protection for a portion of the most diverse and extensive representation of marine life and habitats within the entire South Coast study region. This biological hotspot includes dense kelp forest, rocky and sandy intertidal areas, rocky reefs, and the scarce hard 30 -100 meter habitat. It includes some of the oldest, long-term and well studied temperate marine systems with current research and education being conducted by UCSD, SCRIPPS, SIO, La Jolla Ecological Reserve, SDSU, and CRANE.	This SMR has been created below the minimum size guidelines in order to minimize socioeconomic impacts to commercial recreational, and CPFV fishermen out of San Diego and Mission Bay harbors. Its proximity to many academic and research facilities will provide opportunities for education, study, and ongoing monitoring as well as collaborative research with local fishermen.
La Jolla South SMCA	G1: (O-3,O-5), G2: (O-1,O-3,O-4), G3: (O-2,O-3), G5: (O-1,O-2), G6: (O-1)	This SMR/SMCA cluster was specifically designed in part to: address socioeconomic impacts and to further cooperative fisheries research opportunities with fishing, academic and other interested parties on kelp forest ecosystem interactions. This area has long-term research data collected by Ed Parnell, Scripps. Any commercial fishermen entering this area must be collecting data, with appropriate certification. Protocols would be established by the CDFG or a designated marine science institute or university. Improve water quality by designating as a SWQPA.	This SMCA has been created below the minimum size guidelines in order to minimize socioeconomic impacts to commercial recreational, and CPFV fishermen out of San Diego and Mission Bay harbors. Its proximity to many academic and research facilities will provide opportunities for education, study, and ongoing monitoring as well as collaborative research with local fishermen.
Famosa Slough SMR	G1: (O-1,O-4,O-5), G2: (O-1,O-3)	Insure long term protection of this unique estuarine habitat. Improve water quality by recommending this area be set as a water quality protection area.	Recommend the BRTF work with State Water Quality Board to address/improve water quality.
Ocean Beach Pier SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-1), G5: (O-1,O-4,O-5), G6: (O-1,O-2)	This SMCA would only allow pier fishing and would provide some protection for a portion of the Pt. Loma kelp forest, which supports a high diversity of fish and invertebrates. It is paired with the Ocean Beach SMR and designed to improve the feasibility of the combined Ocean Beach SMR and Ocean Beach Pier SMCA cluster by filling in the gap between the SMR, the pier, and the beach.	This small triangular SMCA only allows pier fishing to reduce socioeconomic impact as much as possible while allowing the combined Ocean Beach SMR and Ocean Beach Pier SMCA complex to meet feasibility guidelines. It is paired with the Ocean Beach Pier SMR and fills in the triangle gap between the beach, pier, and 32°45.00N X -117° 16.00W points to improve feasibility. The northern boundary of the combined Ocean Beach Pier SMR and Ocean Beach Pier SMCA would run along the 32°45.00N line of latitude to the beach.
Ocean Beach SMR	G1: (O-2,O-4,O-5), G2: (O-2,O-3), G4: (O-1,O-2), G5: (O-3)	This SMR would provide protection for a portion of the Pt. Loma kelp forest, which supports a high diversity of fish and invertebrates.	It would fit between the Ocean Beach Pier to the north and the Navy base to the south to reduce socioeconomic impact as much as possible while simultaneously achieving a very high LOP and meeting feasibility guidelines.

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Cabrillo SMR	73957	South Mainland	This shape proposes three corners fixed at the following points: from shore due west to: *the northwest corner is located at 32 deg 40.600', -117 deg 15.000' then due south to *the southwest corner would be fixed at 32 deg 39.700', -117 deg 15.000' then due east to *the southeast corner would be fixed at 32 deg 39.700', -117 deg 14.300' then due north to shore	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Tijuana River Mouth SMCA	73960	South Mainland	Boundaries set north of Tijuana outfall. From shore a straight line due west to 32 34.0 N 117 9.0 W then a straight line from 32 34.0 N 117 9.0 W to 32 32.6 N 117 9.0 W then a straight line due east from 32 32.6 N 117 9.0 W to shore eastern boundary is mean high high tide	SMCA	Moderate High	The take of all living marine resources is prohibited except: 1. The recreational take of Coastal pelagic finfish (Dip net); and Pier fishing (any target) by Hook and line. 2. The commercial take of Coastal pelagic finfish (Pelagic seine).	The deposition of sediment will be permitted in the near shore zone adjacent to the TRNERR for any research, restoration, beach or dune nourishment projects including opening the mouth of the Tijuana River if it is blocked. This will be done in accordance with agency permitting. The City of Imperial Beach would be allowed to continue their beach replenishment and maintenance program. They would be made aware of the damage of kelp removal in beach grooming procedures.
Emerald Bay SMCA	74004	East Channel Islands	from lion head point to unknown point name	SMCA	Moderate Low	Intent of this SMCA is to allow recreational take of all finfish, but prohibit all other take.	None specified

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Cabrillo SMR	G1: (O-1,O-2,O-3,O-5), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1)	Cabrillo National Monument has administrative jurisdiction that extends offshore and the NPS is committed to managing the area in a manner consistent with the goals and values of the NPS and the MLPA. There are few areas where there is a juxtaposition of a SMR with a place-based manager (the NPS). This unique opportunity enhances the efficiency and effectiveness of managing the MPA through collaborative science, resources management and protection, law enforcement, education and outreach.	<p>The NPS is working on a Memorandum of Understanding with the State regarding the implementation of the MLPA. Cabrillo has a 20 year long term intertidal monitoring study. Research is being conducted by PISCO. Approximately 1,000,000 people visit the area annually which provides access to the ocean for thousands of school children and other groups. A SMR is consistent with the federal laws governing the NPS. It is recognized that the areas offshore are valuable fishing grounds for urchins and lobsters, as well as vessels traveling from San Diego Bay. This design protects the diversity of nearshore resources ecosystems.</p> <p>Peer-reviewed science indicates that this is an area of greater biological diversity and the invertebrates along this section of mainland coast are larger than other areas along the mainland. There are long term monitoring studies in place and the area is easily accessible.</p>
Tijuana River Mouth SMCA	G1: (O-5), G3: (O-2,O-3), G6: (O-1,O-2,O-3)	Research and monitoring opportunities at the proposed MPA connected with Tijuana River Estuary, a National Estuarine Research Reserve site, creates the most intact contiguous estuarine/marine complex in the Southern California bioregion. The MPA would include a river mouth delta, soft sediment, largest south coast region offshore cobble reef 3 by 3 km, major barred sand bass spawning area, persistent kelp bed, surfgrass, freshwater plume; five key habitats included.	<p>This MPA site is primarily delineated following Goal 3, Objectives 2 and 3 in the MLPA. This shape accommodates recreational fishing and concerns voiced by the City of Imperial Beach. This MPA was sited specifically to avoid existing pipelines, in an effort to meet water quality guidelines.</p> <p>Monitoring longshore ocean currents, larval migration and retention centers for unique species and fish populations from Mexican waters have great importance to Baja California and California. Sharing data is enhanced by a collaborative effort between researchers and institutions in both nations.</p>
Emerald Bay SMCA	G1: (O-2,O-3,O-4), G2: (O-1,O-2,O-3,O-4), G3: (O-1,O-2,O-3), G4: (O-1), G5: (O-1,O-2,O-3,O-5), G6: (O-1)	To remove the northern/west portion of the current invertebrate closure and test the impacts of allowing take in the removal zone in a scientifically controlled study.	Kept area as small as feasible to minimize socio-economic impacts to island residents and visitors. Emerald Bay SMCA, in conjunction with Blue Cavern SMR, was explicitly designed with 2 goals in mind: 1) To create 3 research/education areas that can be utilized to test MPA assumptions (e.g., onshore/offshore ecosystem effects, boundary effects, spillover, fish vs invertebrate take, commercial vs sport take of sheephead) for future adaptive MPA adaptive management (no fishing, recreational fin-fishing, and open recreational fishing; 2) To balance (& improve in long term) recreational fishing opportunities for island residents and visitors to Isthmus area by providing open fishing areas around major mooring coves, piers, and reefs.

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Emerald Bay SMCA (continued)	74004						
Blue Cavern SMR	73617	East Channel Islands	Western boundary is from shore due north along 118 degrees 29.300' W out to 3 nautical miles off shore (state water line) Northern boundary is state water line Eastern boundary is from 3 nautical miles off shore (state water line) due south along 118 degrees 27.000' W to shore Southern boundary is mean high high tide	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Blue Cavern SMR (continued)	73617						
Cat Harbor SMCA	73997	East Channel Islands	Straight line between two locally known prominent points (Cat Head Point on western shore and Pin Rock on eastern shore) Approximate locations: 33 degrees 25.315' N/118 degrees 30.760' W 33 degrees 25.500' N/118 degrees 30.280' W	SMCA	Low	The take of all living marine resources is prohibited except: 1. The recreational take of Lobster (Hoop net and Diving); Urchin (Diving); and Finfish (Hook and line and Spearfishing). 2. The commercial take of Sea cucumber and Urchin (Diving); and Lobster (Trap). Also permit Mariculture (White Sea Bass and Yellow Tail).	None specified

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Emerald Bay SMCA (continued)			This unique SMCA allows research studies convenient to USC Wrigley Marine Lab that can separate effects of no-take reserves from fish-only take reserves, and will allow research to separate effects of sport vs commercial take of sheephead (sport take allowed, but not commercial take). Includes calm-water giant kelp forests, as well as alongshore and offshore low- and high-relief boulder, bedrock, and sheltered sand habitats. Stable sand habitats harbor ecologically important for many marine species. Includes sea camp coves extensively used for educational programs, providing excellent opportunity for teaching values of MPAs. And provides protection for invertebrates.
Blue Cavern SMR	G1: (O-1,O-2,O-3,O-4), G2: (O-1,O-2,O-3), G3: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-3,O-4)	This MPA was designed to meet size and spacing and habitat replications guidelines by capturing diverse habitats and providing protection for species diversity. This MPA was also placed here due to the close proximity to a prominent research institution which has long term monitoring sites already established in the area.	Blue Cavern SMR, provides backbone MPA for leeseide Catalina. Also, in conjunction with Emerald Bay SMCA, was carefully designed with 3 goals in mind: 1) To expand the tiny existing USC Wrigley Marine Lab MPA to include the ecologically important offshore Bird Rock and extend the coastal reserve further east; 2) To create 3 research/education areas that can be utilized to test MPA assumptions for future adaptive MPA adaptive management (no fishing, recreational fin-fishing, and open recreational fishing; 3) To balance (& improve in long term) recreational fishing opportunities for island residents and visitors to Isthmus area by providing open fishing areas around major mooring coves, piers, and reefs, including Isthmus Reef and Ship Rock. Northern region of Santa Catalina Island hosts highly diverse features including along-shore headland, coves, sea caves, walls, reefs and stable sand habitats; and unique offshore rocks and reefs.
Blue Cavern SMR (continued)			Proposed MPA contains key habitat giant kelp, elk kelp, and surfgrass. Will protect and enhance fishes and invertebrates, including sea bass, rockfishes, sheephead, kelp bass, halibut, abalone, lobster, cucumbers, mussels, limpets, and rock scallops. There is a great opportunity for enhanced research, monitoring, and education.
Cat Harbor SMCA	G3: (O-1,O-2), G6: (O-1,O-4)	Protects unique area and improves recreational opportunities [goal 3]. This SMCA also protects eel grass habitat, and strives to improve water quality by proposed ASBS designation.	This SMCA provides a protected area at Catalina harbor to improve recreational fishing opportunities, protect eel grass habitat and strive to improve water quality by proposed ASBS designation. This SMCA allows existing white seabass pen-rearing activities in Cat Harbor. This SMCA eliminates commercial fishing except for commercial lobster, sea urchins and sea cucumbers, alleviating interactions with and disturbance from commercial fishing activities such as purse seine and brail squid fishing employing high wattage attracting lights.

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Long Point SMR	73615	East Channel Islands	From shore due north to 33 26.0 N 118 25.0 W then a straight line from 33 26.0 N 118 22.0 W then a straight line due south to shore southern boundary is mean high high tide	SMR	Very High	Take of all living marine resources is prohibited.	None specified
Farnsworth SMCA	73616	East Channel Islands	From shore a straight line due west along 33 21.0 N lat to 3 nautical miles offshore (state water line) then, continue southward along the state water line to 33 19.0 N lat then, a straight line due east to 33.19.0 N lat 118 27.9 W long then, a straight line due north along 118 27.9 W long to shore Northwestern boundary is mean high high tide	SMCA	High	The take of all living marine resources is prohibited except: 1. The recreational take of Pelagic finfish, Pacific bonito and White seabass (Spearfishing); Coastal pelagic finfish and Market Squid (Dip net); and Jumbo squid (Hook and line). ** If MPA maintains high LOP, Striped Marlin (hook and line) for recreational** 2. The commercial take of Coastal pelagic finfish and Market squid (Pelagic seine and Dip net); Jumbo squid (Hook and line); and Swordfish by Harpoon.	None specified
Casino Point SMCA	73621	East Channel Islands	Area created by the mean high tide and straight lines connecting the following points in order: 33 degrees 20.960' N/118 degrees 19.560' w 33 degrees 21.000' N/118 degrees 19.520' W 33 degrees 20.920' N/118 degrees 19.380' W 33 degrees 20.900' N/118 degrees 19.430' W	SMCA	Moderate Low	The take of all living marine resources is prohibited except the recreational take of Urchin by Diving.	Recreational take of urchins from this area for urchin barren prevention- requires game permit. Intended to include both red and purple urchins
Lover's Cove SMCA	73622	East Channel Islands	Area below the mean high tide and the following lines: 33 degrees 20.700 minutes N 118 degrees 18.900 minutes W	SMCA	Moderate High	The take of all living marine resources is prohibited except the recreational take of Pier fishing (any target) by Hook and line.	None specified
Begg Rock SMR	73686	West Channel Islands	All state waters below mean high high tide around Begg Rock.	SMR	Very High	Take of all living marine resources is prohibited.	None specified

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Long Point SMR	G1: (O-1,O-2,O-3,O-4), G2: (O-1,O-2,O-3), G3: (O-1), G4: (O-1,O-2), G5: (O-1,O-3,O-5)	This MPA is designed to protect key important zones including a major headland, sheltered cove, bedrock, boulder, and sand habitats representing warmer-water portion of east islands bioregion. This MPA was also chosen to capture the unique species of Giant Black Seabass in a standing aggregation area.	Meets minimum habitat representation for rocky intertidal, sandy beaches, and soft bottom habitat 0-30m, 100-200m & >200m. Placed to include or be near sea camp coves for educational value. Minimize socio-economic impacts by keeping nearshore area to minimum, while reaching preferred size with larger less-fished offshore area. Avoids the larger and more popular mooring coves from Whites Landing to Avalon since many lee-side island visitors enjoy sport fishing in these areas. Situated roughly midway between major populated island areas (Avalon and Isthmus). Few impacts on commercial fishing since most commercial fishing activities already banned from leeward Catalina.
Farnsworth SMCA	G1: (O-1,O-2,O-3,O-4), G2: (O-1,O-2,O-3,O-4), G4: (O-1,O-2), G5: (O-1,O-3,O-5), G6: (O-1,O-4)	Backbone MPA for southwest region of Santa Catalina Island hosting high diversity of habitats and communities representing productive, wave-exposed portion of east islands bioregion. Differing exposures to swells, headlands, spectacularly unique offshore Farnsworth Bank (existing MPA and ASBS) and other deepwater pinnacles, diverse rocky intertidal, shallow/deepwater reefs and sand plains add to biodiversity. Contains persistent key habitat giant kelp forests, surfgrass, and purple hydrocoral. Will enhance likely to benefit species including rockfishes, kelp bass, scorpionfish, giant sea bass, sheephead, angel shark, abalone, lobster, cucumbers, and rock scallops. Protects highly significant endangered intertidal black abalone and subtidal white abalone habitat. It also took into consideration bottom fisheries that were closed at Swat 1 at Catalina.	Utilizes whole minutes of lat/lon, consistent with meeting minimum size to count as backbone MPA to minimize socioeconomic impacts to fisheries. Kept some deep rock reefs outside MPA to north to provide fishing habitat to make up for losses at Castle Rock, San Clemente Island Military Closure. Allows coastal pelagics/squid fishing, while maintaining high level protection. Meets minimum habitat representation for rocky intertidal, kelp, deep rocky reefs 30-100m, sandy beaches, and soft bottom habitat 0-30m, 30-100m, 100-200m & >200m. Recommended for MPA status in Santa Catalina Island report by Parnell, Miller, & Dayton (2006). Avoids active coves/campgrounds such as Little Harbor and Ben Weston Beach that are used by shore fishers and fished from small boats and kayaks. Relative far from and well-spaced between major overnight mooring areas at Avalon and Cat Harbor. DFG: Other proposed take of Striped Marlin (hook and line), only if it will not negatively impact the DFG Feasibility Analysis.
Casino Point SMCA	G3: (O-1,O-3)	Include locally enforced protected area. Designed to meet Goal 3 of MLPA. Protect habitat and fish for non consumptive diver enjoyment. Currently divers are at risk of injury due to fishing activities allowed to occur in the area.	MPA drawn on existing buoys that currently demarcate an informal dive park that is maintained by the local dive community. Buoy displacement is minimal due to sheltered location near Avalon harbor.
Lover's Cove SMCA	G3: (O-1,O-3)	To provide a recreational opportunity for those who fish from the pier where cross channel boats dock while still providing protection for species viewed from glass bottom boat tours from Avalon. This is strictly a Goal 3 MPA.	Wanted to make straight lines to meet feasibility concerns over odd shape that previously existed. In addition wanted to allow pier based fishing as several visitors use the pier for that purpose while not allowing it in other areas of the MPA.
Begg Rock SMR	G1: (O-1,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-2), G4: (O-1,O-2), G5: (O-1,O-3,O-5), G6: (O-3,O-4)	Unique, highly-exposed offshore rock/pinnacle ecosystem with ridges; Deep water hard and soft bottom habitats; rare lumpy form of purple hydrocoral. Enhance rockfish and scallops.	Minimal social-economic impact while protecting unique habitat.

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MPA Name	MPA ID	Bioregion	MPA Boundaries (Exact or Approximate)	Designation	Level of Protection	Proposed Take Regulations	Other Proposed Regulations
San Clemente Pending Military Closure 1	73926	East Channel Islands	See MarineMap	Undesignated	N/A	Managed and enforced by the U.S. Navy as a federal Safety Zone, this area will be restricted to military training only. Due to access restrictions resulting from the Safety Zone, the marine environments will not be exposed to any take other than that resulting from military training operations	This area is a Federal Safety Zone managed by the U.S. Navy
San Clemente Pending Military Closure 2	73927	East Channel Islands	See MarineMap	Undesignated	N/A	Managed and enforced by the U.S. Navy as a federal Safety Zone, this area will be restricted to military training only. Due to access restrictions resulting from the Safety Zone, the marine environments will not be exposed to any take other than that resulting from military training operations	This area is a Federal Safety Zone managed by the U.S. Navy
Richardson Rock SMR	73573	West Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Judith Rock SMR	73584	West Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Harris Point SMR	73574	West Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
South Point SMR	73583	West Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Carrington Point SMR	73575	West Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Skunk Point SMR	73585	West Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Painted Cave SMCA	73580	Mid Channel Islands	See MarineMap	SMCA	Moderate Low	The take of all living marine resources is prohibited except: 1. The recreational take of Lobster (Hoop net and Diving); and Pelagic finfish (Spearfishing). 2. The commercial take of Lobster (Trap).	None
Gull Island SMR	73581	Mid Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
San Clemente Pending Military Closure 1	None Specified	This is an APPROXIMATE polygon representing the Federal closure on San Clemente Island called SWAT-1	None specified
San Clemente Pending Military Closure 2	None Specified	This is an APPROXIMATE polygon representing the Federal Closure located on the east side of San Clemente Island called SWAT-2.	None specified
Richardson Rock SMR	None Specified	None	None
Judith Rock SMR	None Specified	None	None
Harris Point SMR	None Specified	None	None
South Point SMR	None Specified	None	None
Carrington Point SMR	None Specified	None	None
Skunk Point SMR	None Specified	None	None
Painted Cave SMCA	None Specified	None	None
Gull Island SMR	None Specified	None	None

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Scorpion SMR	73582	Mid Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Footprint SMR	73576	Mid Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Anacapa Island SMCA	73578	Mid Channel Islands	See MarineMap	SMCA	Moderate Low	The take of all living marine resources is prohibited except: 1. The recreational take of Lobster (Hoop net and Diving); and Pelagic finfish (Spearfishing). 2. The commercial take of Lobster (Trap).	None
Anacapa Island SMR	73577	Mid Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None
Santa Barbara Island SMR	73579	Mid Channel Islands	See MarineMap	SMR	Very High	Take of all living marine resources is prohibited.	None

SMCA = state marine conservation area SMP = state marine park SMR = state marine reserve SMRMA = state marine recreational management area

Bioregions:

1. North Mainland (Point Conception to Marina Del Rey)
2. South Mainland (Marina del Rey to the U.S.-Mexico border)
3. West Channel Islands (San Miguel, Santa Rosa and San Nicolas islands)

4. Mid-Channel Islands (Santa Cruz, Anacapa and Santa Barbara islands)
5. East Channel Islands (Santa Catalina and San Clemente islands)

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Scorpion SMR	None Specified	None	None
Footprint SMR	None Specified	None	None
Anacapa Island SMCA	None Specified	None	None
Anacapa Island SMR	None Specified	None	None
Santa Barbara Island SMR	None Specified	None	None

California MLPA South Coast Study Region
Consideration of Existing State MPAs in SCRSG MPA Proposal 1
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Existing MPA Name	Retain (no changes to boundaries or regulations)	Modify (included with boundary or regulation change)	Remove (not included)	Rationale for Decision
Refugio SMCA			Remove	
Goleta Slough SMP		Modify regulations. Replace with Goleta Slough SMR.		
Big Sycamore Canyon SMR			Remove	
Abalone Cove SMP			Remove	
Point Fermin SMP		Modify boundaries and regulations. Replace with Point Fermin SMCA.		
Bolsa Chica SMP		Modify boundaries and regulations. Replace with Bolsa Chica SMCA.		
Upper Newport Bay SMP		Modify boundaries and regulations. Replace with Upper Newport Bay SMCA.		
Robert E Badham SMCA		Modify boundaries and regulations. Replace with Crystal Cove SMCA.		
Crystal Cove SMCA		Modify boundaries and regulations. Replace with Crystal Cove SMCA.		
Irvine Coast SMCA		Modify boundaries and regulations. Replace with Crystal Cove SMCA.		
Heisler Park SMR		Modify boundaries. Replace with Laguna SMR.		
Laguna Beach SMCA		Modify boundaries and regulations. Replace with Laguna SMR.		
South Laguna Beach SMCA		Modify boundaries and regulations. Replace with Dana Point SMCA		
Niguel SMCA		Modify boundaries and regulations. Replace with Dana Point SMCA		
Dana Point SMCA		Modify boundaries and regulations. Replace with Dana Point SMCA		
Doheny SMCA			Remove	
Doheny Beach SMCA			Remove	

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DFG = California Department of Fish and Game

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Consideration of Existing State MPAs in SCRSG MPA Proposal 1
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Existing MPA Name	Retain (no changes to boundaries or regulations)	Modify (included with boundary or regulation change)	Remove (not included)	Rationale for Decision
Buena Vista Lagoon SMP			Remove	Per DFG Guidance
Agua Hedionda Lagoon SMR			Remove	As part of a negotiation with Batiquitos Lagoon. Recommend remove based on input from tackle shops and a compromise is change the existing MPA at Batiquitos Lagoon to an SMR.
Batiquitos Lagoon SMP		Modify boundaries and regulations. Replace with Batiquitos SMR.		Moved boundary inland of I-5 bridge. Based on consideration of fishing off the bridge and the interest in the Batiquitos Lagoon Foundation to make the MPA an SMR.
Encinitas SMCA			Remove	
Cardiff-San Elijo SMCA			Remove	
San Elijo Lagoon SMP		Modify boundaries and regulations. Replace with San Elijo SMR.		Based on Topaz Round 2 MPA proposal to increase protection.
San Dieguito Lagoon SMP		Modify boundaries and regulations. Replace with San Dieguito Lagoon SMR.		Based on Topaz Round 2 MPA proposal to increase protection.
San Diego-Scripps SMCA			Remove	
La Jolla SMCA		Retain boundaries but modify regulations. Replace with La Jolla Cove SMR.		Group had trouble trying to address DFG feasibility issues while retaining access to fishing from the pier. In the end, Work Group 1 decided to stick with existing MPA boundaries, as the public is familiar with what these are.
Mia J Tegner SMCA		Modify boundaries and regulations. Replace with Cabrillo SMR.		
Catalina Marine Science Center SMR		Modify boundaries. Replace with Blue Cavern SMR.		

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Existing MPA Name	Retain (no changes to boundaries or regulations)	Modify (included with boundary or regulation change)	Remove (not included)	Rationale for Decision
Farnsworth Bank SMCA		Modify boundaries and regulations. Replace with Farnsworth Bank SMCA.		
Lover's Cove SMCA		Modify regulations		
Richardson Rock SMR	Retain			Per Fish and Game Commission Guidance
Judith Rock SMR	Retain			Per Fish and Game Commission Guidance
Harris Point SMR	Retain			Per Fish and Game Commission Guidance
South Point SMR	Retain			Per Fish and Game Commission Guidance
Carrington Point SMR	Retain			Per Fish and Game Commission Guidance
Skunk Point SMR	Retain			Per Fish and Game Commission Guidance
Painted Cave SMCA	Retain			Per Fish and Game Commission Guidance
Gull Island SMR	Retain			Per Fish and Game Commission Guidance
Scorpion SMR	Retain			Per Fish and Game Commission Guidance
Footprint SMR	Retain			Per Fish and Game Commission Guidance
Anacapa Island SMCA	Retain			Per Fish and Game Commission Guidance
Anacapa Island SMR	Retain			Per Fish and Game Commission Guidance
Santa Barbara Island SMR	Retain			Per Fish and Game Commission Guidance
Arrow Point to Lion Head Point Special Closure		Modify boundaries and regulations. Replace with Emerald Bay SMCA.		

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