

**California MLPA South Coast Study Region**  
**Description of Marine Protected Areas (MPAs) in Topaz Draft MPA Proposal**  
*Document Revision Date June 10, 2009*

**MLPA Study Region: South Coast**

**Name of Array: Topaz Round 2 Draft Proposal 090520**

**Author: Topaz Gem Group**

**Revised: June 10, 2009**

**Total number of MPAs/closures:**

**66**

Number of SMRs:

34

Number of SMCAs:

26

Number of SMPs:

3

Number of SMRMAs:

1

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	67114	North Mainland	Exact boundaries working off graticules at the whole minute line. Eastern boundary runs due north-south from 120 degrees, 24.00 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	SMR	very high	All take is prohibited	None specified
Refugio SMCA	68868	North Mainland	Western Boundary on graticule: 120 degrees 05.0 Eastern Boundary is consistent with boundary of current SMCA at approximately 120 degrees 02.75 The offshore boundary occurs at the offshore boundary of the existing SMCA at 34 degrees 27.35	SMCA	low	All commercial take is prohibited except urchin (diving) and Sea cucumber (diving). All recreational take is prohibited except Kelp bass (spear), Barred sand bass (spear), Pelagic finfish (spear), Pacific bonito (spear), White seabass (spear), Halibut (spear), Clams (hand), Mussels (hand), Lobster (diving), Urchin (diving), and shore fishing (hook and line).	None specified

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
Point Conception 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-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	Point Conception is a major biogeographic boundary with high biodiversity, oil seeps, small submarine canyon, pinnacles, and several shipwrecks. The area is also site of cultural significance - the "Western Gate" to Chumash people and the site of the landmark lighthouse entrance to the Santa Barbara Channel. This MPA includes the most southern area along California mainland that is dominated by northern species and characteristic northern habitats, including important rockfish species, otters, upwelling, rich rocky intertidal, extensive hard bottom and kelp, various harbor seal haulouts. There are also numerous established marine research opportunities and monitoring sites including those for PISCO, MARINe and CRANE within this MPA. It is lightly populated on shore, unpolluted, with limited private access, and far from the nearest Santa Barbara port and the small boat launch at Gaviota, ideal for both preservation and conservation.	This area was an important one for Topaz B and Topaz A; the group compromised in this area and used Topaz B's shape. Using this shape pulled the entire MPA to the west, reducing socioeconomic impacts by avoiding St. Augustine reef. Additionally, this MPA captures deep rock habitat that was not captured in the Topaz A shape. Offshore: spot prawn and nearshore rockfish occurs in the MPA. The group considered Ciro's information on bonito fishing in this area but he was willing to make this location an SMR. Because of its remote location, this MPA has less socioeconomic impacts than MPAs in other areas of the study region.
Refugio SMCA	G2: (O-4), G3: (O-1), G4: (O-1), G5: (O-1,O-2,O-4,O-5), G6: (O-1,O-2)	Adjacent to the state park system's Refugio State Beach, this MPA aims at enhancing recreational opportunities as well as recognizing the importance in this area's cultural and natural value, with submerged historical sites remaining from its time as a thriving trading ship anchorage. Being a popular access point west of Goleta, recreational activities, both consumptive and non-consumptive, are high in this area with local dive clubs maintaining a kiosk and dive map for this area.	This heritage SMCA allows for educational outreach via the dive kiosk and cultural submerged artifacts that exist here. The offshore boundary has been created close to shore to reduce impacts to halibut trawling and trap fisheries as indicated by the EcoTrust data.  The intent is to lessen economic impact on commercial fishing, specifically on commercial halibut and sea cucumber trawling and rock crab trapping. One of the few eelgrass beds along the mainland in Santa Barbara County is encompassed in this MPA on its eastern most boundary. To ensure protection of this sensitive and critical habitat, no consumptive activity that involves traps or pots will be allowed. Restricting these activities will also add additional protection to the submerged sites in this area.

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Naples SMCA	68869	North Mainland	Western boundary: 119 58.0 Eastern boundary: 119 56.0 Offshore boundary: 34 25.0	SMCA	moderate high	All commercial take is prohibited. All recreational take is prohibited except Pelagic finfish (spear) and catch and release (hook and line surface gear), using single barbless hooks and artificial lures at all depth.	None specified
Helo SMR	68873	North Mainland	Western boundary: 119 53.5 Eastern boundary: 119 50.0 Offshore boundary: out to 3 mile state water line	SMR	very high	All take is prohibited	None specified

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Naples SMCA	G1: (O-1,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-4,O-5)	While covering relatively little area, this SMCA provides protection for a regionally unique offshore reef structure and biological assemblage on the South Coast Mainland with exceptional substrate diversity and relief, uncharacteristic deep zones, low-impact rural adjacent land uses, intertidal areas, dense surfgrass, harbor seal haulout, high seabird diversity, Southern Sea Palm (Pterogopfera) beds, Nudibranchs, sheephead, heavy concentration of rockfish, lingcod, white sea bass, yellowtail, and lobster. This is a very well-known and iconic area, used by divers, surfers, and kayakers and is subject to long-term scientific monitoring by PISCO and LTER.	This legacy SMCA and has been created at below the minimum size guidelines in order to minimize the socioeconomic impacts to halibut and lobster fisheries. Additionally, this SMCA allows for pelagic spearfishing and recreational catch and release fishing to accommodate for continued recreational activities on species not likely to benefit from MPAs.
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-3,O-4)	<p>This SMR encompasses a wide diversity of habitat types including eelgrass, surfgrass, kelp, rocky reefs, shallow subtidal, rocky intertidal, o seeps, sand, and the estuarine inputs of Devereux Slough. Continuation of kelp reefs on either side of this SMR allow for comparison of fished vs non-fished areas. Notable species in the areas include snowy plovers, sea otters, lobsters, nearshore rockfish, abalone, seabass, sea cucumbers, grunion spawning, and sand dollar beds.</p> <p>This area also has one of the longest histories of scientific research (MARINe and LTER monitoring sites) in part due to the close proximity of UCSB and the Marine Science Institute, and incorporates the public outreach potential and enforcement already in place with the UC Natural Reserve at Coal Oil Point and an active community presence along the coast, especially from the UCSB campus.</p>	<p>This SMR is a hybrid of the shapes created in the Round 1 Topaz A and Topaz B maps. In the Topaz A map the western boundary was one minute of longitude bigger and the Topaz B map was one minute of longitude smaller so we split the difference in the interest of working together to find common ground.</p> <p>The eastern boundary of this shape was 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. The intent was to have the eastern boundary match up with the western extent of the Goleta Beach grassy area for ease of understanding and enforcement.</p> <p>The existing kelp lease in this location would need to be relocated. SMR renamed to recognize historical Chumash site.</p> <p>Other considerations: Some interest in thinking about allowing access for spearfishing (based on public comments); however, if this shape is to be a portion of the backbone, it should remain an SMR.</p>

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Devereux Lagoon SMR	68935	North Mainland	Boundaries should be in line with current definitions of lagoons and coastal wetlands. ie: Mean Tide Line (confirm)	SMR	very high	All take is prohibited	None specified
Devereux Lagoon SMR (continued)							
Goleta Slough SMR	68936	North Mainland	Boundaries should be in line with current definitions of lagoons and coastal wetlands. ie: Mean Tide Line (confirm)	SMR	very high	All take is prohibited	None specified

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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)	<p>"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." (Ext. Prop.C)</p> <p>It is Topaz' 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>Important to pair protection of estuary system with marine habitat protection to maintain natural ecological linkages and recognize their critical role in ecosystem services.</p> <p>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.</p>
Devereux Lagoon SMR (continued)		<p>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.</p>	
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)	<p>There is an existing MPA in this area. In addition, the offshore reef is unique, good rocky substrate, good upwelling, lots of biodiversity, sea otters, great opportunity for kayaking and snorkeling. Grass beds, rocky shale substrate, close to the university.</p> <p>"This coastal estuary is an important nursery habitat for a number of marine fish and houses at least 20 special status bird species, being identified as a "Globally Important Bird Area." It is part of a larger wetland area- including salt marsh, mudflat and salt flat habitats, is a highly visited estuary with its close proximity to UCSB and to Goleta State Beach, and includes many archeologically significant sites to Native Americans." (Ext. Prop. C)</p>	<p>Important to pair protection of estuary system with marine habitat protection to maintain natural ecological linkages and recognize their critical role in ecosystem services.</p>

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Carpinteria Salt Marsh SMR	68924	North Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMR	very high	All take is prohibited	None specified
Carpinteria Salt Marsh SMR (continued)							
Ventura River Mouth SMCA	68934	North Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMCA	high	All take is prohibited, except for scientific collection.	None specified
Santa Clara Rivermouth SMCA	68923	North Mainland	See MarineMap	SMCA	high	All take is prohibited, except for scientific collection.	None specified
Magu/ Muwu Lagoon SMRMA	68927	North Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMRMA	high	All take is prohibited, except for scientific collection.	Regulated Water Fowl hunting is allowed.

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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)	<p>"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 bird's-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." (Ext. Prop. C)</p> <p>It is Topaz' 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>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.</p> <p>Acknowledge issues with dogs in estuaries</p>
Carpinteria Salt Marsh SMR (continued)		<p>In this case the current manager(s) of this UC Reserve are concerned about and 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>	
Ventura River Mouth SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-3), G3: (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)	<p>This river mouth, which borders Seaside Wilderness Park is and important freshwater/ocean water transition zone providing forage for numerous sea bird and water bound organisms.</p>	None specified
Santa Clara Rivermouth SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-3), G3: (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)	<p>This river mouth, which borders McGrath State Park is and important freshwater/ocean water transition zone providing forage for numerous sea bird and water bound organisms.</p>	None specified
Magu/ Muwu Lagoon SMRMA	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)	<p>Pristine area. Some of the ecological benefits include: a nursery area, haul out sites, and an important area for birds. In addition, there is a lot of scientific research, within political boundary for Santa Monica Bay parks system.</p> <p>"This is the largest estuarine lagoon in Southern California, recognized to be one of the highest quality wetlands remaining in California, supporting the greatest concentration of water-associated birds between Morro Bay and Anaheim-Bolsa Bay, home to a high diversity of marine and estuarine fishes, and is home to the closest large mainland roost to the Anacapa Island California Brown Pelican breeding colony." (Ext.Prop.C)</p>	<p>Only one point on the base where people have access. This area has very restrictive access due to the Navy base that surrounds it.</p> <p>Water quality is of concern here as there is significant agricultural runoff as per the Navy. Special attention to water quality here is important.</p>

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Deer Creek SMCA	68170	North Mainland	Follow the graticules from the shore with the western boundary being on the half minute and runs due north-south along 118 degrees 59.50 to State waters, eastern boundary lies on the whole minute and runs due north-south along 118 degrees 57.00 to State waters.	SMCA	Moderate-high	All commercial take is prohibited except Pacific bonito (Pelagic seine) and Market squid (Pelagic seine). All recreational take is prohibited except Pacific bonito (spear), White Seabass (spear), Pelagic finfish (spear), Halibut (spear), and Market squid (dip net).	None specified
Sequit SMCA	68171	North Mainland	Intended to line up on whole minute graticules from the shore so that the western boundary runs due north-south along 118 degrees 56.00 W to 34 degrees 02.00 N and the eastern boundary runs due north-south along 118 degrees 54.00 W to 34 degrees 02.00 N.	SMCA	moderate-low	All commercial take is prohibited except Lobster (trap), Urchin (diving), and Giant kelp (hand harvest). All recreational take is prohibited except Grunion (hand harvest), Kelp bass (hook and line), Barred sand bass (hook and line), Sheephead (hook and line and spear), Spotted sand bass (hook and line), Lobster (diving), Pelagic finfish (spear and hook and line), Pacific bonito (spear and hook and line), White seabass (spear and hook and line), Cabezon (spear and hook and line), Clams (hand harvest), Halibut (spear and hook and line), Lingcod (spear and hook and line), Rockfish (spear and hook and line), Shore fishing (hook and line) and Swordfish (harpoon).	None specified
Point Dume SMCA	67512	North Mainland	Follows whole minute graticules from shore. The western boundary runs due north-south along the 118 degrees 51.00 minutes W to State waters and the eastern boundary runs due north-south along the 118degrees 49.00 minutes W to State waters.	SMCA	high	All commercial take is prohibited except Market squid (Pelagic seine). All recreational take is prohibited.	None specified

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Sequit SMCA	G3: (O-1,O-3), G5: (O-1,O-2,O-4)	Contiguous to Chumash demonstration village at Nicholas Canyon, where educational activities are currently occurring and will continue to occur to promote marine conservation. Also ideal location for monitoring partnerships.	<p>The Chumash are seeking an MOU with Department of Fish and Game and/or State Parks for co-management opportunities for this MPA. Specifically: 1) recommending acknowledgment of the MPA as a Chumash co-managed MPA; 2) sharing MPA education and outreach authority with the Chumash people, and/or tasking Chumash people with MPA education and outreach authority; 3) monitoring assistance; 4) and allowing for opportunity for traditional methods of take that fit within the existing DFG regulations as allowed methods of take in accordance with the LOPs within the SMCA. The Topaz group voted to recommend this action.</p> <p>Representatives of the squid fishers in the Topaz group agreed to reach an informal agreement with the Sequit managers to refrain from fishing near Sequit during ceremonial periods, dates to be determined. They also recommended that Sequit managers request an appropriate enforceable formal arrangement with DFG &amp;/or Parks to ensure the above</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)	The Point Dume SMCA is intended to work as a cluster with the Point Dume SMR. Together these MPAs are designed to meet size and spacing guidelines (by connecting with Deer Creek and Palos Verdes). 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 also long-term monitoring and research opportunities in this area. Topaz considered Deer Creek, Dume and Palos Verdes as areas of importance to minimize negative socioeconomic impacts, so we opted not to identify a preferred size SMR at these locations.	None specified

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Point Dume SMR	67513	North Mainland	Western boundary runs from the shore due north-south along the 118 degrees 49.00 minutes W to State Waters; the eastern boundary runs from shore along the 118 degrees 47.30 minutes 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	All take is prohibited	None specified
Palos Verdes SMR	66838	South Mainland	Northern boundary runs from shore due west along 33 degrees 46.00 minutes N to State waters. Eastern boundary runs from shore due south along 118 degrees 24.00 minutes W to 33 degrees 43.00 minutes N, then it continues due west along 33 degrees 43.00 minutes W to State waters  Utilizes whole minutes of lat/long to extent possible, Hanging corner is or hole minutes of lat/long- hanging corner permits additional shore user access- in a high use area.	SMR	very high	All take is prohibited	None specified
Point Fermin SMP	66687	South Mainland	Keeping to lines of lat/long around existing protected area	SMP	moderate low	All commercial take is prohibited. All recreational take is prohibited except Pelagic finfish (hook and line, hand or spear), and Lobster (hand harvest).	Recreational take of finfish by hook and line or spear, and lobster by hand harvest only.
Bolsa Chica SMP	66922	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMP	moderate low	All commercial take is prohibited. All recreational take is prohibited, except hook and line take of species other than marine aquatic plants from designated areas around outer Bolsa Bay.	Restrictions exist regarding: swimming areas, boat speed, shoreline access and access fees.

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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)	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 Deer Creek and Palos Verdes). 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 also long-term monitoring and research opportunities in this area. Topaz considered Deer Creek, Dume and Palos Verdes as areas of importance to minimize negative socioeconomic impacts, so we opted not to identify a preferred size SMR at these locations.	None specified
Palos Verdes 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)	Backbone regional SMR for ecologically important size and spacing linkages. Protection is especially needed for protecting intertidal and shallow subtidal life from extractive activities. Excellent representation of wide variety of rocky headland habitats, including diverse rocky intertidal shallow kelp reefs, important deepwater rocky habitat; all with varying degrees of oceanographic exposures. Diverse and productive major kelp forests. Rich diversity of bedrock and boulder intertidal communities represented; Includes subtidal habitat for diminished populations of pink and green abalone and important habitat that once supported numerous now-endangered black abalone. Continuation of kelp reefs on either side of MPA allows for comparison of fished vs non-fished areas. Protects fishes and invertebrates that could benefit from MPAs, including rockfishes, sheephead, kelp bass, abalone, lobster, and rock scallops. Sheephead and lobster in particular has been identified in scientific studies as important urchin predators that help maintain balanced kelp forest ecosystems.	Impacts on sport fishing and issues with DFG feasibility guidance regarding boundaries. A key issue with Topaz B's Round 1 shape was it missed habitat. Trying to catch that habitat in this round.  Concerns: Sport fishermen on the north and commercial fishermen on the south. Lobster around the rocks, close to Redondo Beach so concerns about potential impacts to recreational fishermen. Several important sites excluded from the SMR for recreational activities (e.g., Flat Rock, Lunada Bay, Abalone Cove) they are easily accessible and are popular locations for visitor exploration and educational field trips.  While keeping area moderate-size to minimize socio-economic impacts. Farther away from LA Harbor, leaving south peninsula open for fishing. Minimize socio-economic impacts by keeping area to smallest effective and practical size. Avoids Whites Point outfall for City of LA sewage. Avoids SoCals worst hotspot for DDT contamination off Whites Pt. Avoids heavily sedimented murky water off southern portion of peninsula and pollution influences from LA
Point Fermin SMP	G3: (O-1,O-2,O-3), G5: (O-4)	This MPA will improve an existing MPA by cleaning up the boundaries and better defining the regulations. It will build upon the educational value of the existing MPA. Area does include Grunion spawning and educational programs by Cabrillo Marine Aquarium.	None specified
Bolsa Chica SMP	G1: (O-1,O-3,O-4,O-5), G2: (O-1,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)	"Bolsa Chica is a tidally influenced estuary centrally located in the southern California Bight as an estuary its importance to a number of coastal species as a nursery is worthy of high protection, species of particular interest include halibut, gobies, leopard sharks and bat rays. It serves as an important breeding ground and foraging area for marine and migratory birds many of which have state or federal protection including terns and plovers."(Ext Prop C	The State of California coupled with a great deal of local support recently restored a great portion of this wetland complex. Numerous environmental education programs, docent groups and monitoring efforts are established in this estuary which will facilitate enforcement and public understanding of the goals of the MLPA.

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Upper Newport Bay SMP	68919	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMP	moderate low	Prohibits all recreational take except hook and line take of species other than kelp. Prohibits all commercial take.	Restrictions exist regarding: swimming areas, boat speed, shoreline access and access fees.
Crystal Cove SMCA	67715	South Mainland	See MarineMap	SMCA	low	All commercial take is prohibited except Urchin (diving), Halibut (hook and line), and Marine algae (hand harvest). All recreational take is prohibited except Pacific bonito (hook and line), Halibut (spear and hook and line), Kelp bass (hook and line), Barred sand bass (hook and line), White Seabass (spear and hook and line), and Shore fishing (hook and line).	None specified
Laguna SMR	66906	South Mainland	Follows whole minute graticules. Western boundary from shore to due south along 117 degrees 50.00 W to State Waters; Eastern boundary at half minute from shore due south along 117 degrees 45.50 minutes W to 33 degrees 29.00 minutes N then running due west from this point along 33°29.00 N to State waters.	SMR	very high	All take is prohibited	None specified

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Upper Newport Bay SMP	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-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	As an estuary Newport Bay is deserving of high protection and has benefited from meaningful protections for the upper bay. An SMR in this locale will protect the foraging areas of federally and state protected marine birds, terns, and plovers; and provides valuable nursery grounds for numerous species of finfish, elasmobranchs and invertebrates.(edited version of Ext PropC)	None specified
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)	Fishing Research Adaptive Management Area (FRAMA) Rebuild kelp by reducing grazing pressure on marine algae Protect sheephead populations from all fishing Rebuild sheephead populations to reduce purple sea urchin populations by predation allow commercial red sea urchin harvest by human to reduce grazing pressure on new kelp restored by aquarium of the Pacific. Allow all used consistent with state park Do not designate as state marine park. This would inhibit future adaptive management options  This was created as a cluster to continue the legacy MPA that existed.	This site merged the existing Crystal Cove and Badham MPAs
Laguna 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-3,O-4,O-5), G6: (O-1,O-2,O-3)	This will serve as a backbone regional SMR for ecologically important size and spacing linkages. The Reserve encompasses part of Crystal Cove SMCA, Irvine Coast and Laguna SMCA, and all of Heisler Park SMR. Adjoins onshore state and local parks (including part of Crystal Cove State Park); and includes part of Crystal Cove underwater park. Local governments are very active in conservation and education efforts and the intertidal areas are much studied by Cal State Fullerton ecologists and students. There is an on-site enforcement presence at Crystal and portions of Laguna Beach. The reserve includes a good representation of variety of rocky and sandy habitats, including diverse rocky intertidal, shallow kelp reefs. Some of the area includes ASBS. Diverse rocky intertidal communities are represented and there is a MARINE monitoring site in Shaws Cove,.	Would like to allow kelp restoration to continue in this reserve and if DFG allows it, would let the urchin fisherman be used to clear urchins away from potential kelp restoration sites.
		Includes valuable surfgrass habitats that serve as nurseries for lobster; mussel beds; rockweed; owl limpets. Grunion spawning on sandy beaches. Includes subtidal habitat for diminished populations of pink and green abalone. Protects fishes and invertebrates that could benefit from MPAs, including rockfishes, sheephead, kelp bass, abalone, lobster, and rock scallops. Sheephead and lobster in particular has been identified in scientific studies as important urchin predators that help maintain balanced kelp forest ecosystems.	

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Three Arch Bay SMCA	67718	South Mainland	33degrees 30.8 minutes, -117 degrees 45.452 minutes 33degrees 29.1 minutes, -117 degrees 44.104 minutes 33degrees 30.0 minutes, -117 degrees 45.0 minutes	SMCA	low	All commercial take is prohibited except Urchin (diving), Lobster (trap), Coastal pelagic (Pelagic seine), and Marine algae (hand harvest). All recreational take is prohibited except Halibut (spear and hook and line), Kelp bass (hook and line and spear), Barred sand bass (hook and line and spear), White Seabass (spear and hook and line), Pelagic finfish (hook and line and spear), and Lobster (diving).	None specified
Dana Point SMCA	67717	South Mainland	33degrees 29.1 minutes, -117 degrees 44.104 minutes 33degrees 27.3 minutes, -117 degrees 43.3 minutes 33degrees 27.5 minutes, -117 degrees 42.3 minutes 33degrees 27.629 minutes, -117 degrees 42.441 minutes	SMCA	low	All commercial take is prohibited except Urchin (diving), Lobster (trap), Sheephead (trap), and Marine algae (hand harvest). All recreational take is prohibited except Pacific bonito (hook and line), Kelp bass (hook and line), Barred sand bass (hook and line and spear), White Seabass (spear and hook and line), Pelagic finfish (hook and line and spear), Shore fishing (hook and line), and Lobster (diving).	None specified
Doheny Beach SMCA	67720	South Mainland	33degrees 27.711 minutes, -117 degrees 41.370 minutes 33degrees 27.4 minutes, -117 degrees 41.4 minutes 33degrees 27.4 minutes, -117 degrees 40.4 minutes	SMCA	moderate low	All take is prohibited except shore fishing (hook and line).	None specified
Agua Hedionda Lagoon SMR	68902	South Mainland	Western boundary: as drawn, there is no obvious landmark for this boundary. We should consider extending this boundary to the eastern edge of the small inlet to the north to make it more understandable and easier to enforce.  Eastern boundary: back of lagoon	SMR	very high	All take is prohibited	None specified
Batiquitos Lagoon SMR	68903	South Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified

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Three Arch Bay 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), G5: (O-1,O-2), G6: (O-1,O-2)	Revision of existing Laguna Beach and South Laguna Beach SCMA to simplify boundaries, close gap in SCMA protection and simplify take regulations.	None specified
Dana Point SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-4), G3: (O-1,O-2,O-3), G4: (O-2), G5: (O-1,O-4), G6: (O-1,O-2,O-3)	Revision of existing Dana Point SCMA and Niguel SCMA to simplify boundaries and take regulations. Create research opportunity in a Fishing Research Adaptive Management Area(FRAMA). All fishermen entering this area must be certified as a Data collecting fishermen(DCF) Protocols would be established by the ocean Institute of Dana Pointfishermen would take on the duties of data collection, management and enforcement. This idea would be tested with Commercial Sea Urchin divers first and could be tried later with commercial lobster trappers This area would protect all other invertebrate species such as kellet whelks, top shells, limpets and sea cucumbers and abalone.	Recommend to the MLPA Blue Ribbon Task Force that they coordinate with the California State Water Quality Control Board to designate this area a State Water Quality Protection Area under the MMAIA.
Doheny Beach SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-4), G3: (O-2,O-3), G4: (O-2), G5: (O-1,O-4), G6: (O-1,O-2,O-3)	Revision of existing Dana Point SCMA to simplify boundaries and take regulations.	None specified
Agua Hedionda Lagoon SMR	G1: (O-2,O-5), G2: (O-3), G4: (O-1,O-2), G5: (O-1,O-5), G6: (O-4)	As an estuary, Aqua Hedionda is a key habitat deserving of SMR status. It functions as an important site for foraging birds many of which are protected federally and/or by the state and serves a nursery for coastal fishes and invertebrates.	This SMR is an expansion of the existing SMR at Agua Hedionda lagoon. We created an SMR at the back of the lagoon in order to minimize any conflicts with the existing white sea bass hatchery and aquaculture activities at the mouth of the lagoon.
Batiqitos 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-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	The nursery values to marine species and importance as a foraging area for birds are consistent with the know biological resources of Batiqitos Lagoon. Estuaries are key and unique habitats deserving of high protection. Batiqitos Lagoon is a proposed SMR	Modify existing MPA (Batiqitos Lagoon SMP)- same boundaries, modify regulations

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Swamis SMCA	67057	South Mainland	Northern edge is at 33 degrees 03.00 N and 117 degrees 18.00 W. The offshore boundary follows along 117 degrees 18.00 W to 33 degrees 00.00 N. The southern boundary runs due west along 33 degrees 00.00 N to 117 degrees 18.00 W.	SMCA	moderate low	All commercial take is prohibited except Urchin (diving) and Lobster (trap). All recreational take is prohibited except Lobster (diving) and Shore fishing (hook and line).	None specified
San Elijo Lagoon SMR	68926	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMR	very high	All take is prohibited	None specified
Del Mar SMR	67059	South Mainland	See MarineMap	SMR	very high	All take is prohibited	sand replenishment beach nourishment
San Dieguito Lagoon SMR	68928	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMR	very high	All take is prohibited	None specified
Los Penasquitos Marsh SMCA	66942	South Mainland	See MarineMap	SMCA	high	All take is prohibited, except for scientific collection.	Dredging allowed to keep channel to ocean open for tidal flushing

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Swamis SMCA	G3: (O-1,O-3), G5: (O-2,O-4,O-5), G6: (O-1)	Combine two existing MPAs and simplify the regulations.	None specified
San Elijo 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)	"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, adjacent to the Cardiff SMR the connectivity of a diversity of habitats is consistent with the goals of the MLPA." (Ext Prop C)	None specified
Del Mar SMR	G1: (O-3,O-5), G2: (O-1,O-2,O-3), G4: (O-1,O-2)	rebuild rockcod populations improve water quality deep rock deep sand shallow rock shallow sand kelp beds rocky shore eel grass/obvlosnadic	None specified
San Dieguito 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)	The nursery values to marine species and importance as a foraging area for birds are consistent with the know biological resources of San Dieguito Lagoon. Estuaries are key and unique habitats deserving of high protection. <u>Batiquitos Lagoon is a proposed SMR</u>	Keep tidal flows open
Los Penasquitos Marsh SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-2), G4: (O-1), G5: (O-3,O-4), G6: (O-3,O-4)	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.  Potential for water quality improvement	Recommend to the MLPA Blue Ribbon Task Force that they coordinate with the California State Water Quality Control Board to designate this area a State Water Quality Protection Area under the MMAIA.

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La Jolla North SMR	68904	South Mainland	Western boundary runs from the northern most point of Ellen Browning Scripps Park at 32 degrees 51.07 N, 117 degrees 16.40 W. A diagonal line is drawn from this point and anchored to 32 degrees 52.00 N 117 degrees 16.00 W. The northern boundary runs due west from shore to 32 degrees 52.00 N, 117 degrees 16.00 W. along the 32 degrees 52.00 N.  This shape merges the two existing MPAs (Scripps and La Jolla) and uses the diagonal line to try and avoid socioeconomic impacts while meeting feasibility.	SMR	very high	All take is prohibited	None specified
La Jolla South SMR	67042	South Mainland	Follows graticules so that the northern boundary runs from shore along the 32 degrees 49.00 N to 117 degrees 17.70 W and the southern boundary runs from shore along 32 degrees 48.50 N to 117 degrees 17.70 W. The reason this does not go to the half minute is because this MPA is intended to be the same size as the SMCA next to it, for monitoring and scientific equivalence.	SMR	very high	All take is prohibited	None specified
La Jolla South SMCA	67040	South Mainland	Follow graticules so that the northern boundary runs from shore due west along the half minute (32 degrees 48.50 N) to 117 degrees 17.00 W, southern boundary runs from shore to west along whole minute (32 degrees 48.00) to 117 degrees 17.00 W. The western boundary line runs north south along 117 degrees 17.00 W.	SMCA	moderate low	All commercial take is prohibited except Urchin (diving) and Lobster (trap). All recreational take is prohibited except Urchin (diving) and Lobster (diving). Allow harvest of purple sea urchins	Allow kelp restoration. Implement concurrently with SWQCB designation as a SWQPA
Kendal Frost SMCA	68930	South Mainland	See MarineMap	SMCA	high	All take is prohibited, except for scientific collection.	None specified

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La Jolla North 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)	This MPA combines the existing La Jolla SMCA and a portion of the existing Scripps SMCA and increases the level of protection to SMR. This SMR captures a portion of the northern part of the La Jolla kelp bed and provides for continued research opportunities for Scripps.	This shape merges the two existing MPAs (Scripps and La Jolla) and uses the diagonal line to try and avoid socioeconomic impacts while meeting feasibility. Keeping this SMR small minimizes socioeconomic impacts to kayak fishermen, CPFVs, as well as urchin and lobster commercial fisheries.
La Jolla South SMR	G3: (O-2,O-3), G5: (O-2), G6: (O-1)	The intent of this small, legacy SMR is to capture a portion of the persistent kelp bed at La Jolla in an area that was recommended by Ed Parnell and Paul Dayton as being the most appropriate and efficient location for an MPA within the La Jolla kelp. This small area was created for research purposes to compare with adjacent La Jolla South SMCA, which allows for urchin and lobster harvest.	None specified
La Jolla South SMCA	G3: (O-1,O-2,O-3), G5: (O-1,O-2), G6: (O-1)	Improve water quality Fishery Research Adaptive management Area (FRAMA)	None specified
Kendal Frost SMCA	G1: (O-5), G3: (O-2,O-3), G5: (O-2,O-3,O-4,O-5), G6: (O-1,O-4)	We intend that this reserve protect the encompassed wetlands habitat and ecosystems and improve water quality. There is a campground/park adjacent to this reserve that would provide a degree of outreach potential.	None specified

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Ocean Beach SMCA	68988	South Mainland	Boundaries: Northern boundary uses a landmark, starting at the south jetty of Mission Bay Channel (Approximately 32 degrees 45.40 N) and extending due west to State waters. Southern boundary.....and heading due west to State waters.	SMCA	moderate high	All take is prohibited except pier fishing.	None specified
Ocean Beach SMR	68989	South Mainland	Boundaries: Northern boundary.....out to state waters. The southern boundary uses a landmark, starts at the northwest corner of Sunset Cliffs park where Ladera Street and Sunset Cliffs Parks Blvd intersect and runs out to State waters. This boundary is just south of 32 degrees 43.20 N line.	SMR	very high	All take is prohibited	None specified
San Diego River/Famosa Slough SMCA	68931	South Mainland	See MarineMap	SMCA	high	All take is prohibited, except for scientific collection.	None specified
Cabrillo SMR	67064	South Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified
South San Diego Bay SMCA	68932	South Mainland	Northern boundary follows a line due west from the northern part of the mouth of North Sweetwater Channel (along 32 degrees 38.90 N). MPA covers all the water south of this line.	SMCA	moderate low	All commercial take is prohibited. All recreational take is prohibited except Spotted sand bass (hook and line) and Pacific bonito (hook and line).	None specified
Imperial Beach SMCA	67065	South Mainland	See MarineMap	SMCA	moderate low	All commercial take is prohibited except Urchin (diving), Lobster (trap), live bait (purse seine), and crabs (trap and hoop net). All recreational take is prohibited except Kelp bass (hook and line), Barred sand bass (hook and line), White Seabass (spear), Pelagic finfish (spear), and Lobster (diving).	None specified

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Ocean Beach 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-3), G4: (O-1,O-2), G5: (O-2,O-3,O-4)	This high level SMCA would be clustered with an adjacent SMR and would provide protection for a portion of the Pt. Loma kelp forest, which supports a high diversity of fish and invertebrates.	This SMCA would have been established as a SMR; however, in order to allow for continued pier fishing, this MPA was designated as a high level SMCA.
Ocean Beach 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-2,O-3,O-4), G6: (O-1,O-2,O-3,O-4)	This SMR would be clustered with an adjacent moderate-high LOP SMCA and would provide protection for a portion of the Pt. Loma kelp forest, which supports a high diversity of fish and invertebrates.	None specified
San Diego River/Famosa Slough SMCA	G1: (O-5), G3: (O-2,O-3), G5: (O-1,O-2,O-4), G6: (O-1)	Improve water quality. Build Dam to block dry flow of this non point source. Pump in to sewer, Filter or let flow uninhibited depending on flow volume and toxicity of the pollutants. <u>We intend an high level of protection for this area</u>	None specified
Cabrillo 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), G5: (O-1,O-2,O-3,O-5), G6: (O-1)	Cabrillo National Monument has administrative jurisdiction in this area and is committed to managing the area in a manner consistent with the goals and values of a national park. No take is allowed in national parks There are long term monitoring studies as well as valuable coastal <u>access for non-consumptive users at the park.</u>	-Cabrillo has a 20 year long term monitoring study. -part of the area is maintained as a human exclusion zone -The National Park Service will aid in enforcement -A State Marine Reserve is consistent with the federal laws governing <u>National Park Managemen</u>
South San Diego Bay 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), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Good combination of resources; eelgrass, seahorses, birds, turtles, shallow water habitat. Improve water quality	Allows sport fishing catch and release for species protected such as sand bass, spotted bay bass, bonefish, halibut  Recommend for consideration as a State Water Quality Protection Area
Imperial Beach SMCA	G2: (O-1,O-2,O-3,O-4), G3: (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)	Connectivity between estuarine and coastal habitats protect kelp from sea urchin overgrazing protect abalone populations from illegal harvest protect and rebuild black sea bass populations  Limited commercial harvest with data collection required while harvesting Fishermen help with monitoring and enforcement	Minimize the negative economic impact to local sustainable fisheries Fishermen eyes and ears will protect this MPA from illegal activity This area is adjacent to the international border and extra eyes and ears may be in the national security interest. Find ways to improve water quality by recommending to the regional water quality control board this become a water quality protection area

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<b>MPA Name</b>	<b>MPA ID</b>	<b>Bioregion</b>	<b>MPA Boundaries (Exact or Approximate)</b>	<b>Designation</b>	<b>Level of Protection</b>	<b>Proposed Take Regulations</b>	<b>Other Proposed Regulations</b>
Tijuana Estuary SMR	68933	South Mainland	Boundaries should be in line with current definitions of coastal wetlands. ie: Mean Tide Line (confirm)	SMR	very high	All take is prohibited	None specified
Emerald Bay SMCA	67241	East Channel Islands	This SMCA runs from tip of Lion's Head NW to 33' 29" line due north of tip of Arrow Point. Intent is to retain the existing Special Invertebrate Closure, with boundary modifications solely to conform more closely to DFG guidelines. Note that much of the kelp reef around Lion's Head would no longer be in the closure. Eagle Reef is not in the closure.	SMCA	moderate low	All commercial take is prohibited. All recreational take is prohibited except for finfish (hook and line and spear), Grunion (hand harvest), and Shore fishing (hook and line).	None specified
Emerald Bay SMCA (continued)							

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Tijuana Estuary 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)	<p>"The Tijuana Estuary is home to the Tijuana River National Estuarine Research Reserve, identified to research, restore and monitor the estuary and surrounding wetland with an active outreach and education component of docents and volunteers who can enable ease of enforcement. The estuary supports a wide diversity of birds, invertebrates and fishes, including the arrow goby and grey smoothhoun and has a close ecological linkage with the adjacent marine habitats through animal movement and nutrient exchange." (Ext.Prop.C)</p> <p>Further, the managers of this estuary have indicated that the SMR designation is the most beneficial to this area.</p>	None specified
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)	<p>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 (&amp; 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. This unique SMCA (replacing existing Special Invertebrate Closure) 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).</p>	Kept area as small as feasible to minimize socio-economic impacts to island residents and visitors. To balance need for ecological protection with recreational fishing opportunities, design of this SMCA and Blue Cavern SMR have been carefully constructed to provide 3 types of areas in this region of Catalina: 1) SMR with full protection, 2) SMCA continuing the special closure for marine invertebrates, but allowing fishing, and 3) open take areas around major anchorages, piers and reefs to provide convenient recreational fishing opportunities.
Emerald Bay SMCA (continued)		<p>Sheephead populations have been adversely impacted by sport/commercial harvest (CA Sea Grant News Release April 2009), and have been listed as "vulnerable" by ICUN.</p> <p>Represents warmer-water, partly-sheltered portion of east islands bioregion along northern side of Santa Catalina Island, with Lion's Head, various coves, Emerald Bay, Indian Rock, and Arrow Point providing highly diverse oceanographic and marine community conditions. Part of Area of Special Biological Significance. Includes calm-water giant kelp forests (Macrocystis) and, as well as alongshore and offshore low- and high-relief boulder, bedrock, and sheltered sand habitats. Stable sand habitats harbor ecologically important communities, including burrowing worms, snails, clams, crabs, mantis shrimp, and fishes such as orange-throat pikeblennies, turbot, halibut, and giant sea bass. Includes sandy habitat form of special deepwater elk kelp (Pelagophycus) that creates important biogenic habitat for fishes and invertebrates.</p>	

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Emerald Bay SMCA (continued)							
Catalina Isthmus SMCA	68200	East Channel Islands	Area bounded by the state water boundary and the following lines: 118 degrees 29.300' W 33 degrees 27.000' N 118 degrees 27.000' W	SMCA	high	All commercial take is prohibited except Pelagic finfish (hook and line) and Swordfish (Harpoon). All recreational take is prohibited except Pelagic finfish (spear and hook and line).	None specified
Blue Cavern SMR	68199	East Channel Islands	Area bounded by the mean high tide and the following lines: 118 degrees 29.300' W 33 degrees 27.000' N 118 degrees 27.000' W Did not go to deep water to allow for fishing opportunities valuable to the economy of Catalina.	SMR	very high	All take is prohibited	None specified
Blue Cavern SMR (continued)							
Cat Harbor SMCA	66967	East Channel Islands	Area below the mean high tide and a straight line connecting the following points: 33 degrees 25.315' N/118 degrees 30.760 W 33 degrees 25.300' N/118 degrees 25.950' W	SMCA	low	The commercial take of squid is prohibited. Take of all other species is allowed.	None specified

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Emerald Bay SMCA (continued)		Protects surfgrass and eelgrass in several coves. Includes sea camp coves extensively used for educational programs (e.g., Howlands Landing, and Emerald Bay), providing excellent opportunity for teaching values of Marine Protected Areas. Includes endangered black and white abalone habitat, as well as that for diminished populations of green and pink abalone. Provides protection for invertebrates that could benefit from MPAs, including, abalone, lobster, crabs, mussels, clams, and rock scallops, and sea cucumbers.	
Catalina Isthmus SMCA	G1: (O-1,O-2,O-3), G2: (O-1,O-2,O-3,O-4), G3: (O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Part of cluster with nearshore Blue Cavern Point SMR to represent backbone MPA (see Blue Cavern rationale). Provide protection for deep water species like rockfish while providing for recreational and commercial take of pelagic species.	Create an area offshore of the science center that allows for pelagic finfish to be caught in deep water.
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)	Blue Cavern SMR, clustered with offshore Catalina Isthmus SMCA provides backbone MPA for leese side 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.	Replace existing MPA (Catalina Marine Science Center SMR)- modify boundaries and regulations  Design was carefully crafted to minimize impacts to sport fishers, especially by excluding Isthmus Reef and Ship Rock, along with Isthmus Cove, Fourth of July Cove, and Cherry Cove. To accomplish the necessary separation between Bird Rock and Isthmus Reef the boundary line between them runs due north of south tip of Big Fisherman Cove. Designed as cluster with Catalina Isthmus SMCA to allow for offshore fishing opportunities valuable to the economy of Catalina., but together achieve backbone high value MPA.
Blue Cavern SMR (continued)		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. 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. This is expansion of existing reserve by USC Wrigley Marine Science Center, so great opportunity for enhanced research, monitoring, and education.	Kept area as small as feasible to minimize socio-economic impacts. Outside the SMR, the entire island region from Isthmus cove to the West End is open for recreational finfish enjoyment. Recommended for MPA status in Santa Catalina Island report by Parnell, Miller, & Dayton (2006). Great location for student and visitor education about values of Marine Protected Areas. Careful design of this and adjacent MPA balance protection and recreational fishing opportunities and provide unique opportunity for study of full take, fish only take, and no take effects on similar marine communities. Rocky intertidal community at Bird Rock has been monitored since 1982. Bird Rock subtidal sea palm, surfgrass, kelp, and sea wall habitats have been studied for decades, but without benefit of resource protection that would greatly increase the value of scientific studies.
Cat Harbor SMCA	G3: (O-1,O-2), G6: (O-1,O-4)	To protect this area from purse seine and squid fishing activities to provide squid spawning area free from commercial take.	Create a protected area at Catalina harbor for squid spawning.

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Long Point SMR	67195	East Channel Islands	Used whole minute lat/lon, with east boundary at distinctive Long Point for ease of boundary determination by small boaters.	SMR	very high	All take is prohibited	None specified
Farnsworth SMCA	67197	East Channel Islands	See MarineMap	SMCA	High	All commercial take is prohibited except Coastal pelagic finfish (Pelagic seine) and Market squid (Pelagic seine). All recreational take is prohibited except Market squid (dip net).	None specified
Casino Point SMR	66996	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 19.420' W	SMR	very high	All take is prohibited	None specified
Lover's Cove SMCA	66995	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	Prohibits all commercial take. Recreational take of all species is allowed from the pier only.	None specified

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
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)	MPA to provide warm-water nearshore representation for East Channel Islands bioregion and to protect coastal habitat for best known and most visited giant sea bass (spawning) aggregation area in CA. SMR hosts diverse sheltered cove, headland, bedrock, boulder, and sand habitats representing warmer-water portion of east islands bioregion. Stable sand habitats harbor ecologically important communities of invertebrates and fishes, including unusual mantis shrimp and orangethroat pikeblennies. Long Point is major headland that provides diverse oceanographic and marine community complexity. Includes the Contains key habitat giant kelp, elk kelp, and surfgrass. Will protect and enhance fishes and invertebrates, including sea bass, rockfishes, sheephead, kelp bass, halibut, angel shark, leopard shark, abalone, lobster, cucumbers, and rock scallops. Will provides important natural marine ecosystem convenient to popular cove camps where children and families enjoy educational programs and snorkeling.	-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 mi
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.
Casino Point SMR	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.

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Silver Canyon SMR	68197	East Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None specified
Begg Rock SMR	67010	West Channel Islands	All state waters below mean high tide around Begg Rock.	SMR	very high	All take is prohibited	None specified
San Clemente Pending Military Closure 1	66976	East Channel Islands	See MarineMap	Undesignated	N/A	All take is prohibited	None specified
San Clemente Pending Military Closure 2	66985	East Channel Islands	See MarineMap	Undesignated	N/A	All take is prohibited	None specified
Richardson Rock	66794	West Channel Islands	None	SMR	very high	All take is prohibited	None
Judith Rock	66805	West Channel Islands	None	SMR	very high	All take is prohibited	None
Harris Point	66795	West Channel Islands	None	SMR	very high	All take is prohibited	None
South Point	66804	West Channel Islands	None	SMR	very high	All take is prohibited	None
Carrington Point	66796	West Channel Islands	None	SMR	very high	All take is prohibited	None
Skunk Point	66806	West Channel Islands	None	SMR	very high	All take is prohibited	None
Painted Cave	66801	Mid Channel Islands	None	SMCA	moderate low	All commercial take is prohibited except lobster (trap). All recreational take is prohibited except lobster (hoop net and diving), and pelagic finfish (spearfishing).	None
Gull Island	66802	Mid Channel Islands	None	SMR	very high	All take is prohibited	None
Scorpion	66803	Mid Channel Islands	None	SMR	very high	All take is prohibited	None
Footprint	66797	Mid Channel Islands	None	SMR	very high	All take is prohibited	None
Anacapa Island	66799	Mid Channel Islands	None	SMCA	moderate low	All commercial take is prohibited except lobster (trap). All recreational take is prohibited except lobster (hoop net and diving), and pelagic finfish (spearfishing).	None
Anacapa Island	66798	Mid Channel Islands	None	SMR	very high	All take is prohibited	None

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Silver Canyon SMR	G1: (O-1,O-3,O-4), G4: (O-1), G5: (O-1)	Small SMR to protect about 25% of largest eelgrass (Zostera meadow) in Channel Islands. Eelgrass is key species and this is only place in East Islands bioregion where sufficient eelgrass can be protected, even though it will not count as habitat because SMR does not meet preferred size. The only other substantial eelgrass meadow in East Islands bioregion is along southeast San Clemente Island, but BRTF policy precludes placing an MPA there. Tiny MPA was not larger and not connected to Farnsworth MPA due to fishing community concerns about socioeconomic impacts.	This MPA was created as part of a compromise to capture the eelgrass that Jack Engle wanted to protect, while minimizing the socioeconomic impacts to fishermen. The Topaz group worked together to come up with a shape that most could support.  Designed to capture about 25% of known eelgrass meadow along Catalina Palisades (meadow extends from ~118°25.4' to ~118° 21.5') (documented in Engle and Miller 2005). Extends from distinctive Salta Verde Point east to 118°24'. Tiny MPA was not made larger and not connected to Farnsworth MPA due to fishing community concerns about socioeconomic impacts.
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.
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	None Specified	None	None
Judith Rock	None Specified	None	None
Harris Point	None Specified	None	None
South Point	None Specified	None	None
Carrington Point	None Specified	None	None
Skunk Point	None Specified	None	None
Painted Cave	None Specified	None	None
Gull Island	None Specified	None	None
Scorpion	None Specified	None	None
Footprint	None Specified	None	None
Anacapa Island	None Specified	None	None
Anacapa Island	None Specified	None	None

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Santa Barbara Island	66800	Mid Channel Islands	None	SMR	very high	All take is prohibited	None

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

**Bioregions:**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1. North Mainland (Point Conception to Marina Del Rey)</li> <li>2. South Mainland (Marina del Rey to the U.S.-Mexico border)</li> <li>3. West Channel Islands (San Miguel, Santa Rosa and San Nicolas islands)</li> </ul> | <ul style="list-style-type: none"> <li>4. Mid-Channel Islands (Santa Cruz, Anacapa and Santa Barbara islands)</li> <li>5. East Channel Islands (Santa Catalina and San Clemente islands)</li> </ul> |
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<b>MPA Name</b>	<b>Regional Goals/ Objectives</b>	<b>Site Specific Rationale</b>	<b>Other Considerations</b>
Santa Barbara Island	None Specified	None	None

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<b>Existing MPA Name</b>	<b>Retain</b> (no changes to boundaries or regulations)	<b>Modify</b> (included with boundary or regulation change)	<b>Remove</b> (not included)
Refugio SMCA		Modify boundaries and regulations.	
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.	
Bolsa Chica SMP	Retain		
Upper Newport Bay SMP	Retain		
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 and regulations. Replace with Laguna SMR.	
Laguna Beach SMCA		Modify boundaries and regulations. Replace with Laguna SMR and Three Arch Bay SMCA.	
South Laguna Beach SMCA		Modify boundaries and regulations. Replace with Replace with Three Arch Bay SMCA.	
Niguel SMCA		Modify boundaries and regulations. Replace with Dana Pt SMCA.	
Dana Point SMCA		Modify boundaries and regulations. Replace with Dana Pt SMCA.	
Doheny SMCA		Modify boundaries and regulations. Replace with Doheny Beach SMCA.	
Doheny Beach SMCA		Modify boundaries and regulations.	
Buena Vista Lagoon SMP			Remove (per Department of Fish and Game guidance)
Agua Hedionda Lagoon SMR		Modify boundaries.	
Batiquitos Lagoon SMP		Modify boundaries and regulations. Replace with Batiquitos Lagoon SMR.	
Encinitas SMCA		Modify boundaries and regulations. Replace with Swamis SMCA.	
Cardiff-San Elijo SMCA		Modify boundaries and regulations. Replace with Swamis SMCA.	
San Elijo Lagoon SMP		Modify regulations. Replace with San Elijo Lagoon SMR	

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<b>Existing MPA Name</b>	<b>Retain</b> (no changes to boundaries or regulations)	<b>Modify</b> (included with boundary or regulation change)	<b>Remove</b> (not included)
San Dieguito Lagoon SMP		Modify regulations. Replace with San Dieguito Lagoon SMR.	
San Diego-Scripps SMCA		Modify boundaries and regulations. Replace with La Jolla SMR.	
La Jolla SMCA		Modify regulations. Replace with La Jolla SMR.	
Mia J Tegner SMCA		Modify boundaries and regulations. Replace with Cabrillo SMR.	
Catalina Marine Science Center SMR		Modify boundaries. Replace with Blue Cavern SMR	
Farnsworth Bank SMCA		Modify boundaries and regulations.	
Lover's Cove SMCA		Modify boundaries and 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.	

SMCA = state marine conservation area    SMP = state marine park    SMR = state marine reserve