

California MLPA South Coast Study Region
Description of Marine Protected Areas (MPAs) in Lapis 2 Draft MPA Proposal
Document Edit Date July 28, 2009

MLPA Study Region: South Coast
Name of Array: Lapis 2 (Round 2)
Author: Lapis Gem Group
Proposal Revision Date: May 21, 2009

Total number of MPAs/closures: 55
 Number of SMRs: 35
 Number of SMCAs: 13
 Number of SMPs: 4
 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/Humqaaq SMR	68344	North Mainland	North/West: 34 27' and MHTL South: State waters East: 120 24'	SMR	very high	All take is prohibited	None Specified
Point Conception/Humqaaq SMR (continued)							
Coal Oil Point SMR	68345	North Mainland	North: MHTL South: State waters line East: Landmark = Campus Point/Goleta Point West: 119 53.5'	SMR	very high	All take is prohibited	None Specified
Goleta Slough SMR	68870	North Mainland	Extent of estuary in state waters	SMR	very high	All take is prohibited	None Specified
Carpinteria Estuary SMR	68871	North Mainland	Extent of estuary in state waters	SMR	very high	All take is prohibited	None Specified

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
Point Conception/Humqaaq 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)	Point Conception SMR replicates most key habitats, (only lacking deepest canyon hard and soft), in a pristine wilderness setting matched only by the Channel Islands, with large nearshore and offshore rocky reefs, hard and soft bottom to 100 meters, oil seeps, strong upwelling, larvae retention from the confluence of two currents with persistent phytoplankton primary production, kelp and surf grass, supporting a high historic and current diversity and abundance of most native marine species including great whites, sea otters, squid spawning and juveniling, marine mammal haulouts/rookeries; it is the northern end of the SAT north bioregion, supplying larvae to the Northern Channel Islands and receiving larvae from the central coast ecosystem. It is a Chumash sacred site, The Western Gate, with submerged artifacts and several shipwrecks.	Boundary falls between two similar reefs, allows for comparative study, reduces socioeconomic impact.
Point Conception/Humqaaq SMR (continued)		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. Prime for eco-tour opportunities.	
Coal Oil Point 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)	Multiple key habitats including shallow and deep reefs and sandy bottom, kelp, surf grass, oil seeps. High current area, coastal pelagics, and avoid some high use areas to east. Chumash cultural sites, wind driven upwelling, get some estuary mouth west side of Coal Oil Point, get some connectivity between estuaries, adjacent to Coal Oil Point Reserve w/enforcement/monitoring, existing baseline data extensive, UCSB immediately adjacent will facilitate monitoring and education, study and help in enforcement, excellent public access, surfing, kayaks and swimming.	There is less socioeconomic impact if place an MPA here as opposed to in Naples. Determined primary goals and objectives as follows: G1 O3,4,5; G2 O1,2; G3 O1,2,3 (very important objectives); G4 O1; G5 O1
Goleta Slough SMR	G1: (O-1,O-3,O-4,O-5), G3: (O-2), G4: (O-1,O-2), G6: (O-3,O-4)	Change from an SMCA to an SMR to increase protection. There is some dredging that happens there, some practice training for oil spills, want to simplify regulations and increase protection, it isn't meant to interfere w/fire control and clean seas program, may be able to use protection as opportunity to have discussions about improving water quality in area.	None Specified
Carpinteria Estuary SMR	G1: (O-1,O-3,O-4,O-5), G2: (O-3), G4: (O-1,O-2), G6: (O-3,O-4)	Salt marsh, cultural sites, migratory waterfowl/bird habitat, nursery area for sharks and other fish.	There is an issue w/university not wanting to have additional red tape to getting take permits for research, claim there is already sufficient protection due to limited access and no fishing allowed from university land. Local homeowners may not want an MPA here. It's not harmful to have another layer of oversight in something as valuable as an estuary. There is also a lot of runoff from greenhouses in the watershed.

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Mugu Lagoon SMRMA	68872	North Mainland	Extent of estuary in state waters	SMRMA	very high	All commercial and recreational take is prohibited except current allowed waterfowl hunting.	None Specified
Big Sycamore Canyon SMR	67281	North Mainland	North: MHTL South: State waters line East: 119 00' West: Mugu Point	SMR	very high	All take is prohibited	None Specified
Malibu Creek Estuary SMR	68874	North Mainland	Extent of estuary in state waters	SMR	very high	All take is prohibited	None Specified
Malibu SMR	67262	North Mainland	North: Mean high tide line West: 118 degrees 40.000 minutes South: State waters boundary East: 118 degrees 37.000 minutes	SMR	very high	All take is prohibited	None Specified
Point Vicente SMR	67263	South Mainland	North: 33 degrees 44.500 minutes (tried to line up with Point Vicente) West and South: State waters boundary East: 118 degrees 24.700 minutes (tried to line up with Point Vicente)	SMR	very high	All take is prohibited	Collection for monitoring wastewater discharge and EPA superfund site should continue in this area with valid permits.
Abalone Cove SMCA	67306	South Mainland	North: MHTL South: state waters line East: landmark - Trump structure on the Trump golf course West: 118 37' (contiguous with Point Vicente SMR)	SMCA	high	All commercial take is prohibited except for CPS purse seine and squid (seine). Allows Pelagic finfish (spearfishing), bonito (spearfishing), white seabass (spearfishing).	None Specified

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Mugu 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-3,O-4)	Protecting the largest estuarine lagoon in southern California. High concentration of birds and bird species, marine and estuarine fish.	There is contaminated sediment in the lagoon, and runoff from surrounding agriculture activity.
Big Sycamore Canyon 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)	Replaces existing Big Sycamore Canyon SMR. Contains the only unimpaired riparian watershed with the only unpopulated stretch of really wild coast in southern California. It's a truly unique spot. A lot of sandy bottom and kelp. Placed at a distance from ports that minimizes negative socioeconomic impacts.	Make the existing MPA conform to DFG feasibility guidelines. Currently there is a no-go area except for research that has been in place since 1994.
Malibu Creek Estuary SMR	G1: (O-1,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-3,O-4,O-5), G6: (O-3,O-4)	Estuary at Malibu Creek, a historic steelhead spawning, cobble bedded creek which provides the stones for the offshore cobble reef at Malibu Point. Estuary serves migratory and resident birds, subject to extensive cleanup and restoration, monitoring.	Estuary subject to extensive cleanup and restoration. Interest for reserve to go along w/restoration project currently going on in that area, have completed some restoration (parking area), rest of restoration will get rid of channelization and make area more natural, management involved in restoration want a reserve there.
Malibu SMR	G1: (O-3,O-4), G2: (O-2), G3: (O-2,O-3), G4: (O-1), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3)	Provides protection for sandy/soft bottom with near shore rocky structure. Species protected are juvenile rockfish, halibut, and surf species. This area is inside the Santa Monica Bay, where most types of commercial fishing activities are prohibited. This provides for study of nearby areas also without commercial fishing to compare recreational fisheries. Large schools of forage fish and bottle nose dolphin frequent this area.	Area leaves pier open for local fishermen while protecting local habitat. Though not needed for replication or spacing in the network, this area provides unique opportunities for study due to limited commercial activities in Santa Monica Bay.
Point Vicente SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2), G3: (O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3)	Provides protection for rockfish and deep habitat species. Continues protection along the only true south-facing headland in the study region to create a preferred-size cluster with upwelling and take of forage species disallowed. Monitoring along this area has been established for some time to provide a good baseline due to EPA superfund site.	This cluster along the Palos Verdes peninsula provides a unique opportunity in that several studies for water and sediment quality have been conducted for several years, providing baseline information. In addition, major economic impacts to smaller harbors in Marine Del Rey and Redondo are minimized by not extending the SMR north of Point Vicente. In addition, human health risks are avoided by limiting consumption of species identified to contain residual chemicals. Conversely placing any MPA in the area between Redondo and Point Vicente would displace a significant number of fishermen and concentrate fishing in remaining open areas where fish may contain unhealthy levels of residual chemicals.
Abalone Cove SMCA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-4), G3: (O-1,O-2), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-4)	This MPA cluster (with Point Vicente SMR) protects the only true south-facing headland in the study region. Species afforded protection are lobsters, sea urchins, rockfish, and rocky inter-tidal (tide pool) inhabitants. Puts in more robust protection than current protection (than at existing Abalone Cove SMP) and expands existing MPA. This MPA contains over a third of the available deep rock in the study area, the rarest habitat in this region.	Forms cluster with Point Vicente SMR. This MPA is near an EPA superfund site and has been consistently monitored for several years. Studies have found no adverse effects on marine species; however some residual human health risks are present from consumption of certain fish species. Collection of samples for monitoring activities should continue in this area. Rocky inter-tidal and shallow rock habitats and caves provide shelter for many species. Area may also contain hydrothermal vents and oil seeps. San Pedro traditional [small-vessel] seine fleet uses area for approximately 50% of income therefore this high LOP activity will be allowed. In addition coupled with the Point Vicente SMR, this MPA cluster achieves the preferred size in the most densely populated area of the south coast.

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Point Fermin SMP	68350	South Mainland	Maintain existing MPA boundaries	SMP	moderate low	All recreational take is prohibited except finfish and lobster (hoop net, diving).	None Specified
Bolsa Chica SMP	68875	South Mainland	Maintain existing MPA boundaries	SMP	moderate low	Allows recreational hook and line take of species other than marine aquatic plants from designated areas around outer Bolsa Bay.	Boating, swimming, wading, and diving are prohibited. Other restrictions exist regarding: time of entry, accessible areas and allowed management activities.
Upper Newport Bay SMP	68876	South Mainland	Maintain existing MPA boundaries	SMP	moderate low	Allows recreational hook and line take of species other than kelp.	Restrictions exist regarding: swimming areas, boat speed, shoreline access and access fees.
Newport Beach SMCA 1	67009	South Mainland	North: landmark South: 117 48.9' (Contiguous with Laguna SMR) East: MHTL West: 1,000 feet offshore	SMCA	moderate low	All commercial take is prohibited except lobster (trap) and urchin (diving). All recreational take is prohibited except lobster (diving), pelagic finfish (spearfishing, hook and line), Pacific bonito (hook and line, spearfishing), white seabass (hook and line, spearfishing), halibut (hook and line, spearfishing) and shore fishing (hook and line).	Research
Laguna SMR	67287	South Mainland	North: MHTL South: state water's line and 33 28' East: 117 46.4 West: 117 48.9 (Emerald Bay Point)	SMR	very high	All take is prohibited	None Specified
Newport Beach SMCA 2	67265	South Mainland	North: MHTL South: 1,000 feet offshore East: 117 45.3' (Contiguous with SoLag Dana SMCA) West: 117 46.4' (Contiguous with Laguna SMR)	SMCA	moderate low	All commercial take is prohibited except lobster (trap) and urchin (diving). All recreational take is prohibited except lobster (diving), pelagic finfish (spearfishing, hook and line), Pacific bonito (spearfishing, hook and line), White seabass (spearfishing, hook and line), Halibut (spearfishing, hook and line) and shore fishing (hook and line).	Research

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Point Fermin SMP	G3: (O-1,O-2)	Retain area for public enjoyment that currently exists. Local enforcement that is currently handled by the Cabrillo aquarium will continue. This is strictly a goal 3 MPA.	Want to retain this MPA because there is a good local understanding of the boundaries and regulations and enforcement in place. Current boundaries of 600 feet from shore will remain. Local enforcement remedies DFG enforcement concerns.
Bolsa Chica SMP	G2: (O-3), G3: (O-1), G4: (O-1,O-2), G6: (O-3,O-4)	Important estuary remnant of huge complex in heavily populated area.	None Specified
Upper Newport Bay SMP	G3: (O-1), G4: (O-1,O-2)	Maintains current protection of an existing state marine park that meets goal 3.	None Specified
Newport Beach SMCA 1	G2: (O-2,O-3,O-4), G3: (O-1,O-2,O-3)	Covers existing MPAs, including the Crystal Cove Underwater State Park, Robert E. Badham and Irvine Coast SMCAs, provides opportunity for recreational and commercial take while protecting species likely to benefit (sheephead, rockfish) with low home range, important to intertidal and kelp habitat health.	None Specified
Laguna SMR	None Specified	Encompasses virtually all habitat looking for, hard bottom, soft bottom, a lot of submerged kelp though little kelp canopy, meets SAT guidelines for habitat, out of G&O meets all but two of them, includes existing MPA.	Important for lobster fishery but willing to sacrifice because of the important habitat. Half way between Newport Harbor and Dana Point Harbor so maximizes distance from ports (b/c very large # of users out of each port), economically will hurt lobsters, and some bait fishery (small and can be shifted elsewhere).
Newport Beach SMCA 2	G2: (O-2,O-3,O-4), G3: (O-1,O-2,O-3)	Covers existing MPA, provides opportunity for recreational and commercial take while protecting species likely to benefit (sheephead, rockfish) with low home range, important to intertidal and kelp habitat health.	None Specified

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SoLag Dana SMCA	68899	South Mainland	North: MHTL from rock north of Aliso Creek to Salt Creek Point South: 33 27.3' (line running due west from buoy to line running due south from rock north of Aliso Creek) East: 117 43.3' (Salt Creek Point due south to buoy) West: 117 45.3' (rock north of Aliso Creek due south to line running due west from buoy)	SMCA	moderate low	All commercial take is prohibited except lobster (trap), pelagic finfish (hook and line) and urchin (diving). All recreation take is prohibited except pelagic finfish (hook and line).	Research
Dana Point SMR	68900	South Mainland	North: MHTL from Salt Creek Point to west end of jetty South: 33 27.3' (due east from buoy to a line due south from west end of jetty) East: landmark - due south from west end of jetty to a line due east from buoy West: 117 43.3' (due south from Salt Creek Point to buoy)	SMR	very high	All take is prohibited	None Specified
Doheny SMCA	67308	South Mainland	Maintains boundaries of existing MPA	SMCA	low	Allows recreational take of chiones, clams, cockles, rock scallops, native oysters, crabs, lobsters, ghost shrimp, sea urchins, mussels, and worms, and finfish, allows lobster (hoop net and diving), urchin (diving), rock scallop (diving), clams (hand harvest), rock crab (hoop net), shore fishing (hook and line). All commercial take is allowed including lobster (trap) and urchin (diving).	None Specified
Agua Hedionda Lagoon SMR	68877	South Mainland	Maintain existing MPA boundaries	SMR	very high	All take is prohibited	Restrictions exist regarding: allowed management activities.
Batiquitos Lagoon SMR	68878	South Mainland	Maintain existing MPA boundaries	SMR	very high	All take is prohibited	Boating, swimming, wading, and diving are prohibited. Other restrictions exist regarding: allowed management activities.
San Elijo Lagoon SMR	68879	South Mainland	Extent of estuary within state waters	SMR	very high	All take is prohibited	None Specified

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SoLag Dana SMCA	G1: (O-1,O-2,O-4,O-5), G2: (O-3), G3: (O-1,O-2,O-3)	Protects persistent kelp bed off of Dana Point. Provides for study opportunities off of Ocean Institute by splitting kelp bed into take and no take zones. (See SAT memo on adaptive management).	Cluster with Dana Point SMR.
Dana Point SMR	G3: (O-2,O-3)	A goal 3 SMR. Provides for study opportunities off of Ocean Institute by splitting kelp bed into take and no take zones. (See SAT memo on adaptive management).	Cluster with SoLag Dana SMCA.
Doheny SMCA	G3: (O-1)	Maintains existing MPA	None Specified
Agua Hedionda Lagoon SMR	G1: (O-1), G4: (O-1)	Existing Gobi reserve in multipurpose lagoon.	For consideration in round 3; the managing foundation wants to increase size to no-boat line of bouys that connect two points.
Batiquitos 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-3,O-4,O-5), G6: (O-3,O-4)	Change from an SMP to an SMR to increase protection of a healthy lagoon with permanent open channel and high biodiversity.	Very little fishing and State Parks does not want to manage.
San Elijo Lagoon SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-2), G4: (O-1,O-2), G5: (O-5), G6: (O-3,O-4)	Existing SMP to SMR for complete protection of large healthy lagoon with permanent opening. Full lagoon and marsh ecology.	State parks would like out of management responsibilities.

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Del Mar SMR	67305	South Mainland	North: 32 degrees 58.600 minutes (San Deguito Lagoon mouth West: State waters boundary South: 32 degrees 56.000 minutes (Penasquitos Creek) East: Mean high tide line	SMR	very high	All take is prohibited	Beach replenishment/nourishment activities such as dredging and sand placement are very critical in this area and should be allowed to continue with appropriate permitting.
San Dieguito Lagoon SMR	68880	South Mainland	Maintain boundaries of existing MPA	SMR	very high	All take is prohibited	Boating, swimming, wading, and diving are prohibited. Other restrictions exist regarding: boating, swimming, wading, diving, access to the California least tern island, hours of entry, and allowed management activities.
Penasquitos Lagoon SMR	68881	South Mainland	Extent of estuary within state waters	SMR	very high	All take is prohibited	None Specified
San Diego-Scripps SMCA	68882	South Mainland	Maintain existing MPA boundaries	SMCA	moderate low	Allows recreational and commercial take of finfish. Allowances for scientific collection.	None Specified
La Jolla SMR	68156	South Mainland	North: even with existing south boundary of San Diego-Scripps SMCA South: MHTL East: MHTL West: 117 16.4 (also lines up with Point La Jolla)	SMR	very high	All take is prohibited	Restrictions exist regarding: boat launching areas and anchoring times.
San Diego River SMCA	68352	South Mainland	San Diego River Channel within study region boundary not including Famosa Slough	SMCA	low	No fishing on north side, fishin on the south side of the river is allowed. Allow take of ghost shrimp. No take of worms.	None Specified
Famosa Slough SMR	68896	South Mainland	Extent of estuary in state waters not including San Diego River Channel	SMR	very high	All take is prohibited	None Specified
Point Loma SMCA	67260	South Mainland	North 32 45' South: 32 43' East: MHTL West: state waters line	SMCA	moderate high	All recreational take is prohibited except fishing from the pier is allowed.	None Specified

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Del Mar SMR	G1: (O-1,O-2,O-3,O-4), G2: (O-1,O-2,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-3,O-4)	Area abuts two important estuaries and ties together many habitats from shallow to deep. Compared to other regions in San Diego area, this is the only area that incorporates the true oceanic 100 fathom curve with rock structure and pinnacles, open to water flow from the open ocean. It is an underwater headland, allowing large pelagic species, including swordfish, striped marlin, thresher sharks, white sharks, mako sharks, easy access to inshore feeding and spawning grounds. This is also true for benthic fauna. The area provides Rockfish (Sebastes) spawning grounds, adult resting and feeding areas as well as larval settling area and juvenile feeding grounds.	MPA is out of normal vessel traffic lanes between Oceanside and Mission Bay. An MPA in this area will reduce the impact of poaching, pollution and inadvertent habitat destruction by transiting commercial and recreational vessels. Area is well marked by estuary mouths. Area provides a link between two important lagoons, one of which is presently being developed as a mitigation project. Area is substantially sheltered from the effects of winter storms by the presence offshore of Catalina and San Clemente islands. This SMR is adjacent to the existing Torrey Pines State Park. Entire SMR is visible from a single point on land for enforcement. Rocky inter-tidal, shallow rocky reef, and kelp habitats are not captured in this MPA. Due to extreme economic impact on the port of Oceanside these habitats could not be captured here by moving the northern boundary. Instead another MPA fifteen miles away in Point Loma was created specifically to capture the rocky reef and kelp habitat in this area.
San Dieguito Lagoon SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G4: (O-1,O-2), G5: (O-5), G6: (O-3,O-4)	Change from an SMP to an SMR to increase protection of this well managed and highly restored estuary, a part of the San Dieguito River Park system that extends to the Laguna Mountains. SONGS mitigation project.	None Specified
Penasquitos Lagoon 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-5), G6: (O-3,O-4)	Important riverine marsh estuary adjacent to Torrey Pines State Park. Permanent opening to sea.	Very close to UCSD and SIO.
San Diego-Scripps SMCA	G3: (O-1,O-2), G6: (O-1)	Scripps Pier and Aquarium and research labs use this area extensively for all UCSD marine biology and oceanography activities.	None Specified
La Jolla SMR	None Specified		Boundaries were modified from existing MPA.
San Diego River SMCA	G1: (O-1), G2: (O-1), G4: (O-1,O-2), G6: (O-3)	Need to ensure long term protection, lots of birds use this area, as do juvenile fish.	None Specified
Famosa Slough SMR	G1: (O-1,O-3,O-4,O-5), G4: (O-1)	Need to ensure long term protection, lots of birds use this area, as do juvenile fish.	None Specified
Point Loma SMCA	None Specified		None Specified

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Ha Sil (South San Deigo Bay) SMP	68883	South Mainland	North: Diagonal line from south bank of Sweetwater Marsh on east side to north end of cove on west side of the bay South: study region boundary East: study region boundary West: study region boundary	SMP	moderate high	Catch and release fishing is allowed using barbless hooks and artificial lures.	Allow dredging.
Tijuana River Mouth SMCA	68890	South Mainland	North: longitude 117 09' due east to MHTL along latitude 32 34' South: longitude 117 09' due east MHTL along state water's boundary West: from latitude 32 34' due south to state water's boundary along longitude 117 09' East: MHTL from latitude 32 34' south to US/Mexico border	SMCA	moderate high	All commercial take is prohibited except coastal pelagic finfish (pelagic seine). All recreational take is prohibited except coastal pelagic finfish (dip net) and pier fishing in compliance with required DFG codes and regulations.	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.
Tijuana River Mouth SMCA (continued)							

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Ha Sil (South San Deigo Bay) SMP	G1: (O-1,O-3,O-4,O-5), G2: (O-1,O-4), G4: (O-1,O-2), G5: (O-1), G6: (O-3,O-4)	Enhance recreational and educational opportunities while preserving significant cultural heritage and habitat (eelgrass flats). Major nursery, extensive amounts of eelgrass, inhabited with as many as 36 species, Lots of eelgrass (80% of eelgrass in bay), Sweetwater Reserve, nature center, educational stuff, south bay protected area, marsh at edge, leave salt flats alone, part of fish and wildlife reserve. Green turtles would benefit, intertidal mudflats, salt marsh on east side, two least tern preserves and two federal reserve areas, lots of shorebirds and pelagic birds. Already some enforcement and harbor patrol is there.	Just south of DoD interests, already 5 mph zone but needs more enforcement. Consider moving lines to not include harbors and harbor access.
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. It provides a model for understanding estuarine/ocean dynamics, informs future adaptive management in estuary and ocean interface throughout the bioregion and encourages collaboration with core agencies, institutions, and international organizations. It can be expanded to other estuarine and marine systems providing a nexus between estuarine and coastal waters. The research component of the MLPA enables better understanding of estuarine and marine ecosystems in the California Bight. The endangered California Least Tern is emblematic of connections between coastal zone habitats and nearshore zone at this site.	Cluster with Tijuana Estuary SMR, the most intact and important estuarine system left in the Southern California bioregion. This MPA site is primarily delineated following Goal 3 and Objectives 2 and 3 in the MLPA. This shape accommodates recreational fishing and concerns voiced by the City of Imperial Beach. Goal 1, Objective 5 and Goal 6, Objectives 1, 2, and 3 are supported using the research approach in Goal 3. Goal 6 and Objective 3 emphasize the importance of ecological connectivity within and between regional components of the statewide network. There is expanded opportunity to do comparative research in a SMR and a SMCA. This MPA cluster emphasizes the relationship between estuarine and marine systems and gives opportunity to evaluate impacted and nonimpacted areas.
Tijuana River Mouth SMCA (continued)		There is concern about the live bait fishery impact on the tern and brown pelican foraging area. 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. Fish, like California halibut, rely on the estuary as a nursery returning to the marine environment later in life. 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. This is the farthest point from San Diego harbor as it meets the southern US-Mexico boundary. It is the start of the Southern Coastal bioregion which extends to Point Conception.	The Coastal Zone Management Act (CZMA) at the federal level and the Marine Life Protection Act (MLPA) at the state level both have interests in protecting, managing and monitoring marine and estuarine ecosystems in the Southern California bioregion from the Mexican border to Point Conception, California. The Tijuana River National Estuarine Research Reserve (TRNERR) is a NOAA/State Parks site. Establishment of an adjacent MPA will enhance the MLPA and CZMA process affording opportunity to work and collaborate with other agencies, organizations and research institutions in this bioregion to share data, research methodologies. Ultimately this will promote understanding of estuarine and marine ecosystems, successful restoration, monitoring, education of the public and decision makers, adaptive management, better enforcement, increased ecological integrity and enhanced biological productivity.

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Tijuana River Mouth SMCA (continued)							
Tijuana River Mouth SMCA (continued)							
Tijuana River Mouth SMCA (continued)							
Tijuana Estuary SMR	68891	South Mainland	Extent of estuary in state waters	SMR	very high	All take is prohibited	None Specified
Arrow Point SMCA	68894	East Channel Islands	North: landmark - Arrow Point South and West: MHTL East: 118 30'	SMCA	moderate low	Permits all recreational and commercial activities except take of invertebrates. Allows recreational take of sheephead (hook and line). Allows commercial take of sheephead (hook and line, spearfishing).	None Specified

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Tijuana River Mouth SMCA (continued)		NOAA has established a vigorous research and monitoring program within the TRNERR, including long-term water quality, nutrient, and weather data collection. Recently, this effort has been expanded to other estuarine systems within the Bight, including long-term monitoring at Los Penasquitos Lagoon and a short-term, collaborative study (led by Southern California Coastal Water Research Project, SCCWRP) examining eutrophication in many southern California estuaries. Monitoring has also been occurring offshore in the area, including beach processes work by the Coastal Data Information Program, CDIP and nearshore monitoring conducted by Scripps Institution of Oceanography, SIO as part of the Southern California Coastal Ocean Observing System, SCCOOS effort. This is already affording more precise details of the estuarine/marine system dynamic. Such a program would provide an excellent template to begin more detailed examination of the nexus between estuarine and coastal waters.	There is an opportunity for enhanced interagency cooperation and management which is certainly needed in times of economic cut backs. Enforcement opportunities will be expanded to include the US Fish and Wildlife Service, NOAA, State of California Department of Parks and Recreation and with the designation of an MPA, ultimately the California Department of Fish and Game. Water quality is an ongoing issue. It is constantly addressed by both nations as they search for solutions. The International Boundary and Water Commission, EPA, cities of Tijuana and Tecate, Mexico are on the Management Authority at the TRNERR. A concerted effort to work seamlessly across the border with agencies in the US including the Regional Water Quality Control Board is leading to success. There is now an operating international wastewater treatment plant on line. Two new plants in Tijuana have been added and a third plant will soon be completed.
Tijuana River Mouth SMCA (continued)		This is a stop over point on the Pacific Coast Flyway going into Mexico.	Dry-weather conditions in the system have dramatically improved, especially with the restoration of a hydrologic regime with little or no flow during dry months. The sandy beach within the boundary of the Tijuana Estuary provides critical nesting and foraging habitat for the endangered California Least Tern. This area has become increasingly important for protection and enhancement of this species' population. Agencies, like the US Fish and Wildlife Service, responsible for protection of this species have become concerned about outside impacts that may create decreased population recruitment. It is imperative to be aware of potential impacts including the bait fishing industry on this critical California Least Tern offshore foraging area as well as the beach. This will require research and monitoring to understand these impacts. Therefore, would like commercial coastal pelagic finfish pelagic seine fishing to require a permit from DFG.
Tijuana River Mouth SMCA (continued)			Reporting take would be required as part of the permit, to enable data collection targeting potential and existing impacts on Least Terns and their foraging sites in addition to other unanticipated environmental ramifications. The permit and reporting system will enhance adaptive management in conjunction with data monitoring.
Tijuana Estuary SMR	G1: (O-5), G3: (O-2,O-3), G6: (O-1,O-2,O-3)	It is the most intact and important estuarine system left in the Southern California bioregion and is a National Wildlife Refuge a NOAA National Estuarine Research Reserve, a State Park and a Ramsar Wetland of International Importance. Used by many bird species including endangered Least Terns.	Cluster with Tijuana River Mouth SMCA. There is expanded opportunity to do comparative research in a SMR and a SMCA. This MPA cluster emphasizes the relationship between estuarine and marine systems and gives opportunity to evaluate impacted and nonimpacted areas.
Arrow Point SMCA	G2: (O-4), G3: (O-1), G4: (O-1), G5: (O-1), G6: (O-3,O-4)	Continue historical protection of invertebrates while permitting local fishing opportunities. Modifies the existing invertebrate special closure area to be consistent with DFG feasibility guidelines.	None Specified

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Blue Cavern SMCA	68892	East Channel Islands	North: state waters line South: 33 27.13'ish - lines up with adjoining SMR East: 118 27' West: 118 29.3'	SMCA	high	All commercial take is prohibited except swordfish: (harpoon). All recreational take is prohibited except pelagic finfish (spearfishing, hook and line), Pacific bonito (hook and line), white seabass (spearfishing). Allow trolling for pelagics/surface fish (intended high level of protection). In waters depth greater than 50m: pelagic finfish, bonito, white seabass with Hook and Line "surface gear".	None Specified
Blue Cavern SMR	68893	East Channel Islands	North: 33 27.13'ish lines up with adjacent SMCA South: MHTL East: 118 27' West: 118 29.3'	SMR	very high	All take is prohibited	None Specified
Farnsworth Bank SMR	68359	East Channel Islands	North: 33 22' South: 33 20' East: MHTL West: state waters line	SMR	very high	All take is prohibited	Request for moorings to be installed to protect bottom structure, because would like the area to be a no anchor zone.
Avalon Dive Park SMR	68895	East Channel Islands	Boundaries are currently delineated with buoys Approximately: North: landmark - kayak rental at Descanso Beach South: end of jetty East: out 300 feet following coastline West: MHTL (same footprint as existing underwater park)	SMR	very high	All take is prohibited	No anchor zone.

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Blue Cavern SMCA	G1: (O-1,O-2,O-3,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-3,O-4)	The SMCA achieves a high level of protection and is intended to operate as a complex with the adjacent reserve. The SMCA status allows for fishing of pelagic/surface fish, an important consumptive use in this geography.	The MPA operates as a complex with the adjacent reserve.
Blue Cavern SMR	G1: (O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-2,O-3), G4: (O-1,O-2), G5: (O-1,O-2,O-4,O-5), G6: (O-4)	Protects warmer water habitat on the partly sheltered part of island. Captures Bird Rock, but not Ship Rock. Expands an existing MPA. Forms a minimum sized cluster with adjacent SMCA, for replication and multiple habitat connectivity and protection.	Want to keep Isthmus Reef out of the reserve because it's similar to offshore rocks in the reserve so offers an opportunity for comparison study. Maintains access to Two Harbors.
Farnsworth Bank SMR	G1: (O-1,O-2,O-3,O-4), G2: (O-1,O-2,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-3,O-4)	Diverse, highly productive, wave-exposed portion of east islands bioregion. Contains nearshore reefs, high relief rocks, and the unique Farnsworth Bank/Eagle Rock and subtidal sand plains. One of few areas around Catalina with significant offshore rocky habitats, mostly to 100m depths, but some to 500m. Farnsworth Bank is the best known subsea pinnacle area for rare purple hydrocoral in S. Calif. and is an existing MPA for its protection. Important rocky intertidal habitats, some of best on Catalina. Species likely to benefit include rockfishes, kelp bass, scorpionfish, giant sea bass, sheephead, angel shark, leopard shark, halfmoon, rock crabs, rock scallops, abalone, lobster, sea cucumbers, and species that feed on squid spawning aggregations. Protects portion of deepwater soft bottom squid spawning habitats. Backbone regional SMR for ecologically important size and spacing linkages representing windward Catalina Island.	Size is smaller than preferred in order to accommodate fishing uses at China Point/south and islander use of Ben Weston Beach environs - minimizing socioeconomic impacts while protecting a unique and important habitat. Relatively distant from major overnight mooring areas at Cat Harbor/Isthmus Cove and Avalon; avoids Little Harbor and Ben Weston Beach used as anchorage for small boats and kayak launch sites.
Avalon Dive Park SMR	G3: (O-1)	The area is currently a city underwater park. It is a heavy non-consumptive use area, especially by divers, and would like to preserve it for this use. This MPA is being requested by the residents of the City of Avalon. The city has designated this area an official "City Dive Park". The area is well defined by bouys and lines, hence the proposed shape that does not comply with DFG guidelines. Currently, both diving and fishing are permitted in this area. Most divers using this area are novices, many using the area as their open water dive certification. The area is heavily used. Fishing in the same area has presented some safety issues, with barbed hooks mixing with novice divers. Not a good situation. An SMR designation for this area would eliminate the fishing conflict and provide a safe environment for novice divers.	People are used to the area being an underwater park, and there are already marker buoys in place.

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Lover's Cove SMR	68163	East Channel Islands	Maintain existing MPA boundaries	SMR	very high	All take is prohibited	None Specified
Begg Rock SMR	68162	West Channel Islands	All state waters around Begg Rock	SMR	very high	All take is prohibited	None Specified
San Clemente Pending Military Closure 1	68897	East Channel Islands	This is an APPROXIMATE polygon representing the Federal closure on San Clemente Island called SWAT-1	Undesignated	N/A	All take is prohibited	No entry zone.
San Clemente Pending Military Closure 2	68898	East Channel Islands	This is an APPROXIMATE polygon representing the Federal Closure located on the east side of San Clemente Island called SWAT-2.	Undesignated	N/A	The intent to is allow pier fishing for base personnel, but no other take allowed.	No entry zone.
Richardson Rock SMR	67245	West Channel Islands	None	SMR	very high	All take is prohibited	None
Judith Rock SMR	67256	West Channel Islands	None	SMR	very high	All take is prohibited	None
Harris Point SMR	67246	West Channel Islands	None	SMR	very high	All take is prohibited	None
South Point SMR	67255	West Channel Islands	None	SMR	very high	All take is prohibited	None
Carrington Point SMR	67247	West Channel Islands	None	SMR	very high	All take is prohibited	None
Skunk Point SMR	67257	West Channel Islands	None	SMR	very high	All take is prohibited	None
Painted Cave SMCA	67252	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 SMR	67253	Mid Channel Islands	None	SMR	very high	All take is prohibited	None
Scorpion SMR	67254	Mid Channel Islands	None	SMR	very high	All take is prohibited	None
Footprint SMR	67248	Mid Channel Islands	None	SMR	very high	All take is prohibited	None

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Lover's Cove SMR	G3: (O-1), G5: (O-1,O-5)	Change existing SMCA to SMR to increase protection. Lovers Cove is currently an SMCA. Avalon residents prefer an SMR designation. The shape has been changed to more closely comply with DFG guidelines. It is recognized that this MPA is well below recommended size guidelines. However, it is a well-known MPA that has existed for decades, and the MPA should be retained, with the higher level of protection afforded by an SMR designation.	None Specified
Begg Rock 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)	A unique portion of west islands bioregion due to its southwesterly position exposed to cold California current from north and lesser warm-water influences from SoCal Eddy. An offshore pinnacle with steep ridges, deep water soft and hard bottom habitat. Purple hydrocoral population. Entire rock is surrounded by an ASBS and is already part of a California Coastal Monument.	None Specified
San Clemente Pending Military Closure 1	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G3: (O-2), G4: (O-1,O-2), G6: (O-3,O-4)	Included per BRTF guidance for sub-bioregion habitat protection and replication.	None Specified
San Clemente Pending Military Closure 2	G1: (O-2,O-4), G4: (O-1,O-2)	Military closure. Sub-Bioregion habitat replication and protection opportunity.	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
Scorpion SMR	None Specified	None	None
Footprint SMR	None Specified	None	None

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Anacapa Island SMCA	67250	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 SMR	67249	Mid Channel Islands	None	SMR	very high	All take is prohibited	None
Santa Barbara Island SMR	67251	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:

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| <ol style="list-style-type: none"> 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) | <ol style="list-style-type: none"> 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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Anacapa Island SMCA	None Specified	None	None
Anacapa Island SMR	None Specified	None	None
Santa Barbara Island SMR	None Specified	None	None