

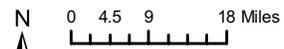
- Legend**
- Pending Military Closures
 - Proposed State Marine Conservation Area (SMCA)
 - Proposed State Marine Park (SMP)
 - Proposed State Marine Reserve (SMR = No Take)
 - Proposed State Marine Recreational Management Area (SMRMA)
 - South Coast Study Region Boundary

California Marine Life Protection Act (MLPA) Initiative

This map represents a marine protected area (MPA) proposal that has been submitted external from the MLPA South Coast Regional Stakeholder Group MPA planning process. This external proposal is under review; it is NOT a recommendation to the California Fish and Game Commission.

For more detailed maps please visit: www.marinemap.org/marinemap

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May 12, 2009

Marine Life Protection Act Initiative
C/o California Resources Agency
1416 Ninth Street, Suite 1311
Sacramento, CA 95814
MLPAComments@resources.ca.gov

On behalf of United Anglers of Southern California (UASC) we submit the following attached external proposal based on data and guidelines as of May 12, 2009, for consideration in the South Coast Study Region process.

This is not our final plan in the series of Marine Protected Areas (MPA) product as there are several outstanding issues from the Science Advisory Team and the Blue Ribbon Task Force that have not been decided. The dissemination of information from the process is slow, creating less time for our fisheries advocacy team to interpret the reports. This hinders our ability to create reasonable, conservation-based MPAs with low economic impact for the study region. There continues to be considerable debate over habitat data, which is a critical component for ensuring that key and unique habitat have been included in the network in accordance with science guidelines.

These are some of the major issues that need to be resolved so that UASC can submit a complete revised external proposal:

1. Decision on military use areas.
2. Unknown habitat at San Clemente.
3. Promised DFG guidance on drawing near shore lines at less than 10 meters and greater than 30 meters.
4. DFG guidance regarding catch and release areas.
5. Continual movement in habitat mapping. UASC knows the habitat is there but the issue is how it gets counted, with small increments making huge differences on the hard bottom that is so rare inside State waters within this region.
6. Problems still exist in not directly recognizing the contribution of conservation options in the less than moderate/high levels of protection (LOP).

However, this proposal is well founded and scientifically based with what little information that has been provided, in accordance with the objectives of the Marine Life Protection Act, the Marine Managed Areas Improvement Act, and the Ocean Protection Act.

Great effort has been made to locate boundaries at locations that are equitable to other stakeholders such as commercial fishermen, parks, universities, and conservationists. The

boundaries have also been located for the purpose of preserving fishing opportunities for current and future generations of Californians with an eye to maintaining access to our ocean shorelines for recreational fishing.

United Anglers of Southern California is very much aware that the leading marine scientists in the nation have recommended that the effective implementation of a network of MPAs requires participation by the entire community of stakeholders. Conservation cannot succeed without a core constituency willing to actively support efforts on an ongoing basis. This requires the ability to assess new gear, new fishing practices and adjust regulations to achieve the overall objectives of habitat protection and sustainable fisheries.

We are confident that the attached proposal provides two new approaches to habitat protection explicitly suggested by the National Academy of Sciences report referred to in the California Master Plan for Marine Protected Areas that as of yet has not been considered in California's implementation of MPAs.

Signed,

Steven T. Fukuto
President

Dan A. Fink
Vice President

Bob Osborn
Fisheries Consultant

UNITED ANGLERS OF SOUTHERN CALIFORNIA

PROPOSAL FOR A NETWORK OF MARINE PROTECTED AREAS FOR THE SOUTH COAST STUDY REGION

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OVERALL RATIONALE FOR UNITED ANGLERS OF SOUTHERN CALIFORNIA PROPOSAL

Thank you for the opportunity to offer this external proposal to the MLPA process South Coast Study Region. The attached proposal is not a finished product because of the delay in receiving the necessary data, report evaluations and working guidelines that will be the core of the science evaluation process.

We would like to introduce two concepts for marine protected areas that have not yet been utilized in California's MLPA implementation. However, these approaches are core to the peer-reviewed science for the design of MPA networks referred to by the California Master Plan for Marine Protected Areas. The National Academy of Sciences (NAS) report, "Marine Protected Areas, Tools for Sustaining Ecosystems" provides guidance towards designing MPAs that include the use of catch and release fishing, gear restrictions and the implementation of larger background management areas to effectively create a network of protection. This proposal introduces all these concepts for utilization within the South Coast Region where there is strong support from recreational fishermen for such approaches.

MPAs are a subset of Marine Managed Areas. The latter have the ability to be more versatile and go beyond the capacities of MPAs. MMAs have been successfully used federally in the Channel Islands National Marine Sanctuary and to a lesser extent in the first two phases of the MLPA.

Justification for the Use of Area-Management and MPAs of a Lower Level of Protection.

UASC has included three MPAs with SAT-rated lower protection in its external proposal.

We have done this for a number of reasons.

- 1) Increased stakeholder buy in
- 2) Increased conservation
- 3) Informed adaptive Management
- 4) Increase the ability of a MPA network to achieve the objectives of the act.

Using methods recommended by the National Academy of Sciences, we offer two different approaches to accomplish these goals. The objective here is to increase conservation while simultaneously easing the socio-economic impact of fully- protected areas.

The NAS has concluded that you cannot achieve all conservation goals by simply protecting marine areas. A principle criterion for the design of successful MPAs requires the equitable engagement and support of all stakeholder groups.

UASC proposes two types of MPAs.

- 1) MPAs that substantially meet equivalent conservation goals of fully protected marine areas

2) MPAs that support the entire network and increase the likelihood of achieving the stated conservation goals.

Catch and Release as a Conservation Tool

The first group of MPAs utilizes a catch and release strategy for all fish likely to benefit from an MPA while permitting targeting pelagic fish close to shore. This format is identical to the North Central Coast where salmon trolling and crab trapping are allowed and scored a moderate high level of protection. All incidental catch would be released.

In the South Coast the SAT failed to provide a level of protection (LOP) of at least moderate high for a catch and release strategy because of the lack of data related to quantity and survivability of associated catches.

In support of catch and release we offer the recently published California Department of Fish and Game /Sea Grant brochure titled, "Bring that Rockfish Down." This pamphlet not only describes how to properly release non-targeted fish but also goes on to state that 83% of fish caught between 217 and 350 feet survive when both promptly and correctly returned to the sea. This percentage is known to climb substantially with fish taken from shallower depths.

From the Monterey Bay Aquarium Web-site under Seafood Watch-How Fish are Caught or Farmed, comes the following statement:

"Hook and lining is an environmentally responsible fishing method. Fishermen can quickly release unwanted catch from their hooks since lines are reeled in soon after a fish takes the bait."

UASC believes that a catch and release strategy can be utilized to provide moderate high levels of protection to habitat. These MPAs would be designed to obtain such information and provide a basis for adaptive management.

Charles F. Holder Catalina State Marine Recreational Management Area

The second approach UASC is offering to help achieve the objectives of the act is a background area- based approach designed to address known impacts of fishing and provide a better opportunity for the MPA networks to be successful.

This approach is not novel to California's MPA network and is described and mapped by the NAS in their work on MPA design referenced in the California draft master plan for MPAs.

The Charles F Holder, Catalina State Marine Recreational Management Area (SMRMA) is the example area for this second approach in our array at Catalina Island.

The NAS has explicitly identified the use of larger zones within which ecological and fishery reserves can be placed as being the very definition of what a network entails. The approach was employed in the Channel Islands National Marine Sanctuary using the sanctuary as the background of the network.

Early monitoring in the Channel Island MPAs suggested a loss of up to 30% of fish anticipated to benefit from the MPAs. The studies, done using acoustic tools, have not yet determined the causes of these losses. However, after a review of fish life histories, other studies have suggested that finfish losses from temperate marine protected areas are likely a foregone conclusion. If these fish are not being poached or eaten by creatures in the MPAs but instead swimming away, any opportunity for growing larger specimens to achieve the objectives of the act may be lost without a large zone approach.

UASC carefully selected a background management area to dovetail with existing interests in the region. Catalina Island is the birthplace of big game sportfishing and Charles F. Holder is considered the father of same. The island remains to this day a favorite fishing destination for both local and visiting anglers. Having withstood one hundred plus years of steady fishing pressure, Catalina continues to provide superb angling opportunities. This by itself is a testimony to the quality of management the island has historically enjoyed. Also note these same regulations have been conceived and championed almost exclusively by recreational anglers.

Our approach to Catalina is both creative and introspective in that it looks at both the risks and the opportunities the island has to offer. The popularity of fishing here has the potential to affect targeted fish populations. Among the species likely to benefit from an area-based management program are two favorites of the recreational fishing community. Kelp Bass and sheephead are extensively managed but not on a spatial basis and not to provide the highest level of production from the fishery.

Farnsworth Bank State Marine Conservation Area

The Farnsworth bank is an integral part of the Catalina Island historical fishing legacy. George Farnsworth was one of the island's most renowned fishing guides who discovered the bank and named it after his father. The area has been and continues to be one of the most productive regions at the island. Recreational anglers readily acknowledge the advantages of providing high levels of protections here, especially on behalf of bottom-dwelling species such as the purple hydra corals. However, maintaining access to the big game fish such as marlin, swordfish, tuna, yellowtail and white seabass is essential to fishermen. Allowing fishing to continue in these storied grounds is totally compatible with high levels of protection for the geographical region and its full-time inhabitants.

Implementation Issues

First, some questions have arisen about the appropriate use of a non-MPA area management region and in particular a State Marine Recreational Management Area. The act clearly provides for recommendations of fishery management measures and the use of “generic” areas to achieve the goals of the act. The act provides that marine reserves be the centerpiece of area management but allows far broader tools for accomplishing the goals of the act beyond marine reserves.

Second, the use of a SMRMA could have other potential benefits that may in the presence of a lack of funding for enforcement and monitoring provide an avenue for additional monies.

Third, if the additional benefits of a SMRMA are not desired by policy makers, the act provides the latitude to include room for management measures to help ensure the success of the network.

Fourth, the evaluation process and modeling designed and utilized by the SAT very clearly shows a very large conservation benefit to the MPA network.

The reasons we believe the area at Catalina can better achieve the goals of the act are as follows:

- 1) The finfish likely to benefit at Catalina that are subject to intensive fishing effort are kelp bass and sheephead and this effort is primarily recreational.
 - a. Kelp bass is allocated 100% to recreational fishermen.
 - b. Sheephead are allocated primarily to recreational fishermen.
 - c. What commercial interest there is in Catalina’s sheephead is primarily for the smaller specimens.
- 2) Slot limits place an upper limit and the size restriction on fish that can be retained. This has a rich history of success at building fish biomasses while providing a more satisfactory sport, and increasing the population of larger specimens. The California Department of Fish and Game for example has heralded their success with slot limits for sturgeon. On the East Coast, slot limits have re- built large populations of oversized mature redfish.

The Charles F. Holder, Catalina State Marine Recreational Management Area

The Charles F. Holder Catalina State Marine Recreational Management Area (SMRMA) is offered for consideration in the Marine Life Protection Act process to serve a large number of objectives that are accorded by Marine Managed Areas and to recognize the value of these approaches in designing a network of MPAs for the South Coast Study Region (SCSR).

Catalina Island sits centrally in the SCSR and has a rich cultural fishing history combined with huge recreational fishing utilization.

The shape of the SMRMA includes all State waters surrounding the island. Implementation of the SMRMA would include at least two new management measures that have a record of successfully addressing issues likely to contribute to fulfilling MLPA objectives. These management approaches have a robust history of success in filling out age classes that have been implicated as a concern about indirect fishery impacts on habitats. The SMRMA in conjunction with catch and release areas directly addresses both aspects of this concern of age structure changes and population density.

Why a SMRMA within the MLPA process?

Considering the effort at Catalina, the island in the view of some might support several highly restrictive MPAs. Such an approach to management at Catalina would have devastating economic effects both on the town of Avalon and to the many businesses on the mainland and on the island that provide the means to enjoy this exceptional destination. Additionally, compression of recreational effort at Catalina could have far-reaching negative consequences for the larger ecology of the island. Additionally, a SMRMA could provide an opportunity to obtain funds for proper management and enforcement here. A SMRMA provides opportunity to adjust regulations, attempt new management and conservation ideas, experiment, and either pull back or expand as we learn what does or doesn't work. A SMRMA is not the draconian inflexible measure that some of the other restrictive MPAs are. It has the potential to be our most successful tool in an effort to manage our marine resources.

In Conclusion

UASC would like to thank the Blue Ribbon Task Force for this opportunity to present our external proposal and we hope you find it creative, insightful and full of clear ideas as to how best manage our wonderful ocean.

UASC External Proposal B Version 2 Boundaries					
<u>MPA</u>	<u>North</u>	<u>South</u>	<u>East</u>	<u>West</u>	<u>Other</u>
Goleta SMR	Coast	34deg 24min	119deg 45.5min	119deg 48.5min	
Goleta SMCA	34deg 24min	State line	119deg 45.5min	119deg 48.5min	
Big Sycamore SMR	Coast	State line	119deg 0 min	119deg 5 mi n	
Big Sycamore SMP	Coast	34deg 3min	Coast	119deg 0 min	
Palos Verdes SMCA	Line under other	State line	118deg 21min	118deg 24min	Line connecting 118deg24min/33deg 44min to 118deg 21min/33deg 43min
Portuguese Bend SMCA	Coast	Line under other	Coast	118deg 24min	line above then extending east to shore along 33 deg 43min latitude
Laguna Coast SMCA	33 deg 32 min	33 deg 30 min	Line under other		Line connecting 117deg 48min/ 33deg 32min to 117deg 46 min/33deg 30min
Laguna SMR	Coast	Line under other	117deg 46 min	117deg 48 min	Line connecting 117deg 48min/ 33deg 32min to 117deg 46 min/33deg 30min
Del Mar SMR	31 deg 58.5min	32deg 56 min	coast	117deg 17.5min	(Note: Line separating to MPAs to be drawn by DFG to approximate 30 meter depth contour in accordance with the standards they have utilized in the past)
Del Mar SMCA	31 deg 58.5min	32deg 56 min	117deg 17.5min	state line	(Note: Line separating to MPAs to be drawn by DFG to approximate 30 meter depth contour in accordance with the standards they have utilized in the past)
Farnsworth Bank Pt A	33 deg 21 min	State line	Line under other	118deg 28min	Line connecting 118deg30min/ 33deg21min to 118deg28min/ 33deg19min
Farnsworth Bank Pt B	33 deg 21 min	Line under other	Coast	118deg 28min	Line connecting 118deg30min/ 33deg21min to 118deg28min/ 33deg19min
Pt Fermin SMP	coast	33deg 42.27min	118deg16.72min	coast	Boundaries as determined by DFG as east west line tip of Pt Fermin; north south line off end of breakwater spur
Arrow Pt to Lionhead	33 deg 29min	Coast	Line under other	118deg 32.3min	Line connecting from 118 deg 32min/ 33deg 29min to Lionhead Pt; West boundary as determined by DFG as north/south line off Arrow Pt
Catalina Marine Science Center SMR	33 deg 27min	Coast	118deg 27min	118deg 29.28min	West boundary as determined by DFG as north/south line off Pt between Big and Little Fishermen's Cove plus line connecting points across Little Fisherman's Cove

California Marine Life Protection Act Initiative
South Coast Study Region: Round 2 Evaluation
Staff Summary of Area and Habitats in
Revised External Proposal B MPA Proposal
June 9, 2009

Summary of MPAs by Designation for Revised External Proposal B MPA Proposal

Type of MPA ¹	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	22	230.3	9.8%
State Marine Recreational Managed Area (SMRMA)	1	0.7	0.0%
State Marine Park (SMP)	8	6.1	0.3%
State Marine Conservation Area (SMCA)	17	292.6	12.4%
Undesignated	2	36.7	1.6%
All MPAs combined	50	566.4	24.1%

¹ Note: These are proposed marine protected area (MPA) designations, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team (SAT). SMRMA is not an MPA designation, but rather a marine managed area designation. The "Undesignated" are the pending military closures.

Summary of MPAs by Level of Protection for Revised External Proposal B MPA Proposal

Level of Protection (LOP)	# Proposed	Area (mi ²)	% of Study Region
Very High ²	23	231.0	9.8%
High	6	47.1	2.0%
Moderate-High	4	22.3	0.9%
Moderate	0	0.0	0.0%
Low ³	15	229.2	9.7%
Not applicable ⁴	2	36.7	1.6%
Total	50	566.4	24.1%

² Note: The "Very High" category includes MPAs with SMR designation, as well as MPAs with a SMRMA designation.

³ Note: The "Low" category groups together MPAs that are assigned a moderate-low and lower level of protection.

⁴ Note: These are the pending military closures. These are not assigned a level of protection.

Individual MPAs in Revised External Proposal B MPA Proposal

MPA Name	Size (mi ²)	Along-shore Span ⁶ (mi)	Depth Range ⁷ (ft)
Richardson Rock SMR ⁵	40.69	6.3	95 - 558
Judith Rock SMR ⁵	4.55	1.2	0 - 487
Harris Point SMR ⁵	25.35	5.4	0 - 557
South Point SMR ⁵	13.05	3.5	0 - 1071
Carrington Point SMR ⁵	12.76	4.0	0 - 211
Skunk Point SMR ⁵	1.39	2.2	0 - 83
Painted Cave SMCA ⁵	1.78	1.9	0 - 291
Gull Island SMR ⁵	19.91	4.8	0 - 2205
Scorpion SMR ⁵	9.62	2.6	0 - 769
Footprint SMR ⁵	7.05	4.7	171 - 1656
Anacapa Island SMCA ⁵	7.30	2.0	0 - 490

*California Marine Life Protection Act Initiative, South Coast Study Region
Staff Summary of Area and Habitats in Revised External Proposal B MPA Proposal
June 9, 2009*

MPA Name	Size (mi²)	Along-shore Span⁶ (mi)	Depth Range⁷ (ft)
Anacapa Island SMR ⁵	11.54	3.1	0 - 709
Santa Barbara Island SMR ⁵	12.76	1.0	0 - 1655
Devereux Lagoon SMR	0.09	N/A	N/A
Goleta Slough SMP	0.25	N/A	N/A
Goleta SMCA	7.85	2.8	56 - 255
Goleta SMR	2.76	2.8	0 - 96
Mugu Lagoon SMRMA	0.74	N/A	N/A
Big Sycamore SMR	18.50	5.1	0 - 1635
Big Sycamore SMP	1.54	2.4	0 - 108
Palos Verdes SMCA	8.77	3.0	115 - 2270
Portuguese Bend SMCA	3.11	3.6	0 - 149
Point Fermin SMP	0.16	0.9	0 - 27
Bolsa Chica SMP	0.25	N/A	N/A
Upper Newport Bay SMP	1.10	N/A	N/A
Laguna Coast SMCA	10.19	3.0	162 - 1584
Laguna SMR	2.68	2.6	0 - 178
Agua Hedionda Lagoon SMR	0.04	N/A	N/A
Batiquitos Lagoon SMP	0.66	N/A	N/A
San Elijo Lagoon SMP	0.44	N/A	N/A
Del Mar SMCA	6.31	3.0	104 - 1057
Del Mar SMR	4.36	3.0	0 - 161
San Dieguito Lagoon SMR	0.52	N/A	N/A
San Diego-Scripps SMCA	0.11	0.5	0 - 10
La Jolla SMCA	0.77	1.1	0 - 214
Ocean Beach SMCA	6.47	3.2	107 - 323
Sunset Cliffs SMR	2.90	1.8	0 - 127
Mia J Tegner SMCA	0.02	0.6	0 - 10
Sweetwater Marsh SMR	0.47	N/A	N/A
South San Diego Bay SMP	1.72	N/A	N/A
Charles F Holder Catalina SMCA	212.79	53.0	0 - 3674
Arrow Pt to Lionhead SMCA	1.14	2.8	0 - 459
Bird Rock SMCA	8.97	2.3	75 - 2616
Catalina Marine Science Center SMR	1.34	2.3	0 - 691
Farnsworth pTA SMCA	15.47	5.2	135 - 3674
Farnsworth ptB SMCA	1.45	2.5	0 - 220
Lovers Cove SMCA	0.02	0.3	0 - 10
Begg Rock SMR	37.96	6.9	219 - 374
San Clemente Island Pending Military Closure 1	17.44	3.9	0 - 1682
San Clemente Island Pending Military Closure 2	19.24	5.4	0 - 3938

⁵ Note: State MPAs around the Northern Channel Islands are to be part of all proposals, as directed by the California Fish and Game Commission and are notated by the footnote. MPAs listed below the broken line are those being proposed.

⁶ Note: Alongshore span measured as direct line from one end of the MPA to the other. Estuarine MPAs are not given an alongshore span.

*California Marine Life Protection Act Initiative, South Coast Study Region
Staff Summary of Area and Habitats in Revised External Proposal B MPA Proposal
June 9, 2009*

⁷ *Note: Comprehensive bathymetric data for all estuaries is not available. Though bathymetric data do exist in portions of some estuaries, depth ranges are not provided for estuarine MPAs for consistency in evaluations.*

Habitat Representation in Revised External Proposal B MPA Proposal

Habitat ⁸	SMR		SMRMA		SMP		SMCA		Undesignated		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
Intertidal												
Sandy or gravel beach*	21.56	6%	1.00	<1%	2.82	1%	43.79	12%	6.04	2%	75.22	20%
Rocky shores*	38.60	14%	0.00	0%	0.83	<1%	42.38	15%	1.82	1%	83.63	30%
Hardened shores*	2.58	1%	0.05	<1%	5.17	2%	1.58	1%	0.11	<1%	9.49	3%
Coastal marsh*	1.33	2%	5.77	10%	17.01	29%	0.00	0%	0.00	0%	24.11	41%
Coastal marsh	0.35	6%	0.33	5%	1.38	23%	0.00	0%	0.00	0%	2.05	34%
Tidal flats*	1.13	4%	0.79	3%	4.04	14%	0.72	3%	0.00	0%	6.67	23%
Seagrass beds												
Surfgrass*	18.94	26%	0.00	0%	0.90	1%	19.94	28%	3.09	4%	42.87	59%
Eelgrass	0.09	2%	0.00	0%	0.74	16%	0.00	0%	0.00	0%	0.83	18%
Estuarine												
Estuary	1.13	3%	0.74	2%	4.42	10%	0.00	0%	0.00	0%	6.29	15%
Soft bottom												
0-30 meters	25.67	6%	0.00	0%	1.32	0%	10.23	2%	0.01	<1%	37.23	9%
0-30 meters proxy*. ⁹	34.45	10%	0.00	0%	1.87	1%	42.92	12%	1.30	<1%	80.54	22%
30-100 meters	75.13	11%	0.00	0%	0.05	<1%	76.43	11%	0.96	<1%	152.57	23%
100-200 meters	28.35	18%	0.00	0%	0.00	0%	44.56	28%	0.00	0%	72.91	46%
>200 meters	5.93	3%	0.00	0%	0.00	0%	141.3 8	60%	0.00	0%	147.32	63%
Hard bottom												
0-30 meters	7.81	7%	0.00	0%	0.18	<1%	4.18	4%	1.79	2%	13.96	12%
0-30 meters proxy*. ⁹	16.52	9%	0.00	0%	0.23	<1%	24.00	13%	7.02	4%	47.77	25%
30-100 meters	8.21	17%	0.00	0%	0.00	0%	2.11	4%	1.07	2%	11.40	24%
100-200 meters	0.55	14%	0.00	0%	0.00	0%	0.33	8%	0.00	0%	0.87	22%
>200 meters	0.00	0%	0.00	0%	0.00	0%	1.14	53%	0.00	0%	1.14	53%
Unknown												
0-30 meters	4.25	3%	0.74	<1%	4.58	3%	2.09	1%	0.46	<1%	12.11	8%
30-100 meters	28.44	13%	0.00	0%	0.00	0%	4.71	2%	5.89	3%	39.04	18%
100-200 meters	21.03	19%	0.00	0%	0.00	0%	0.86	1%	6.42	6%	28.31	25%

Habitat ⁸	SMR		SMRMA		SMP		SMCA		Undesignated		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
>200 meters	24.90	12%	0.00	0%	0.00	0%	4.52	2%	20.08	10%	49.50	25%
Kelp forest												
Maximum kelp*	31.08	9%	0.00	0%	1.29	<1%	46.24	14%	8.43	3%	87.04	26%
Kelp persistence*	15.52	8%	0.00	0%	0.74	<1%	22.26	12%	7.02	4%	45.53	25%

⁸ Note: Habitats measured as an area (mi²) except for those with a * notation. Habitats with a * notation are expressed in linear units (mi).

⁹ Note: There is limited fine scale data for nearshore habitat, shallower than 10-20 meters depth, in the south coast study region. A proxy for this area was created using a line parallel to the coast and classifying the substrate as either hard or soft substrate depending on the dominant habitat type in that area based on available data.

California MLPA South Coast Study Region
Description of Marine Protected Areas (MPAs) in External B Revised MPA Proposal
Document Edit Date June 18, 2009

MLPA Study Region: South Coast
Name of Proposal: External Proposal B (Round 2)
Author: External Proposal B
Proposal Revision Date: May 14, 2009

Total number of MPAs/closures: 50
 Number of SMRs: 22
 Number of SMCAs: 17
 Number of SMPs: 8
 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
Devereux Lagoon SMR	66059	North Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified
Goleta Slough SMP	68483	North Mainland	See MarineMap	SMP	moderate low	All recreational take is prohibited except for hook and line take of species other than marine aquatic plants. All commercial take is prohibited.	Boating, swimming, wading, and diving are prohibited. Other restrictions exist on accessible areas.
Goleta SMCA	66052	North Mainland	See MarineMap	SMCA	high	All recreational take is prohibited, except Coastal pelagic finfish (dip net). All commercial take is prohibited, except Coastal pelagic finfish (Pelagic seine).	None specified
Goleta SMR	66065	North Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified
Mugu Lagoon SMRMA	66043	North Mainland	See MarineMap	SMRMA	very high	All recreational and commercial take is prohibited.	None specified
Big Sycamore SMR	66061	North Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified
Big Sycamore SMP	66069	North Mainland	See MarineMap	SMP	high	All recreational take is prohibited except Pelagic finfish (spear), Pacific bonito (spear), and Whit seabass (spear).	None specified

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Devereux Lagoon SMR	G1: (O-1,O-2,O-3,O-4), G2: (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)	Estuary environment opening into proposed SMR area to provide connectivity for larvae and juveniles of marine species. Closeness to research facilities at UCSB.	No real social-economic impact as this area is not heavily used for commercial or recreational extractive activities.
Goleta Slough SMP	G3: (O-1)	Retain protection in popular recreational use area	None specified
Goleta 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), 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)	To extend benthic protections offshore while preserving access and opportunities for pelagics	None specified
Goleta SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-3), G3: (O-2), G4: (O-1,O-2), G5: (O-3,O-5), G6: (O-3,O-4)	Provides connectivity to South Central Region for a variety of key habitats.	None specified
Mugu Lagoon SMRMA	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3,O-4), G4: (O-1), G5: (O-3), G6: (O-3)	Provide protection for one of the last undeveloped lagoon systems in the region while leaving open for the waterfowl hunting.	None specified
Big Sycamore SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-2,O-3), G4: (O-1,O-2), G5: (O-3,O-5), G6: (O-3,O-4)	To keep intact long term protections at existing marine reserve, provide protection and study opportunities for the pristine watershed drainage in the the Big Sycamore marine reserve, to expand and reform boundaries to provide for improved enforcement.	None specified
Big Sycamore SMP	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), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Increases cluster habitat protection while allowing activities consistent with the highest level of protection.	None specified

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Palos Verdes SMCA	66067	South Mainland	See MarineMap	SMCA	moderate high	All recreational take is prohibited except Pelagic finfish (hook and line and spear), Pacific bonito (hook and line and spear), White seabass (hook and line and spear), Coastal pelagic finfish (dip net), and Jumbo squid (hook and line). All commercial take is prohibited except Pacific bonito (pelagic seine) and Coastal pelagic finfish (pelagic seine). Note: use of hook and line surface gear only	None specified
Portuguese Bend SMCA	66064	South Mainland	See MarineMap	SMCA	high	Commercial take is prohibited except Pacific bonito (pelagic seine) and Coastal pelagic finfish (pelagic seine). Recreational take is prohibited except Pelagic finfish (spearfishing), Pacific bonito (spearfishing), White seabass (spearfishing), and Coastal pelagic finfish (Dip net).	None specified
Point Fermin SMP	66060	South Mainland	See MarineMap	SMP	moderate low	Prohibits all recreational take except for lobster by dive or hoopnet and finfish by hook and line or spear Prohibits all commercial take	None specified
Bolsa Chica SMP	68484	South Mainland	See MarineMap	SMP	moderate low	Prohibits take of all living marine resources is prohibited except the 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	68485	South Mainland	See MarineMap	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.

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Palos Verdes 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), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Site chosen for a diversity of habitat of similar nature to other nearby areas but approximately equal distant between two ports (measured by fishing areas) to minimize socio-economic damage, reduce consumption of carbon fuels, and provide for the least expensive fishing access.	Preserve the diversity of recreational, educational, commercial, and cultural uses
Portuguese Bend 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), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Site chosen for a diversity of habitat of similar nature to other nearby areas but approximately equal distant between two ports (measured by fishing areas) to minimize socio-economic damage, reduce consumption of carbon fuels, and provide for the least expensive fishing access.	Preserve the diversity of recreational, educational, commercial, and cultural uses
Point Fermin SMP	G3: (O-1)	Retain existing protections while reforming boundaries to meet DFG feasibility	None specified
Bolsa Chica SMP	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-1,O-4,O-5), G6: (O-3)	Retain existing protection in important coastal estuary while recognizing existing no fishing regulations, current management, and continuing restoration work.	None specified
Upper Newport Bay SMP	G1: (O-3), G2: (O-2,O-3,O-4), G5: (O-1)	Retain existing protection in important mid-study region estuary while reforming the confusing existing boundaries as itemized by the DFG	None specified

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Laguna Coast SMCA	66063	South Mainland	See MarineMap	SMCA	high	Commercial take is prohibited except Coastal pelagic finfish (pelagic seine) and Pacific bonito (pelagic seine). Recreational take is prohibited except Pelagic finfish (hook and line and spear), Pacific bonito (hook and line and spear), White seabass (hook and line and spear), Coastal pelagic finfish (dip net), and Jumbo squid (hook and line).	None specified
Laguna SMR	66044	South Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified
Agua Hedionda Lagoon SMR	68486	South Mainland	See MarineMap	SMR	very high	All take is prohibited	Restrictions exist regarding: allowed management activities.
Batiquitos Lagoon SMP	66066	South Mainland	See MarineMap	SMP	moderate low	Prohibits all commercial take. Prohibits all recreational take except finfish by hook and line from shore.	Boating, swimming, wading, and diving are prohibited. Other restrictions exist regarding: allowed management activities.
San Elijo Lagoon SMP	66051	South Mainland	See MarineMap	SMP	moderate low	Allowed Take: Prohibits all recreational take except finfish by hook and line from shore. Prohibits all commercial take.	Boating, swimming, wading, and diving are prohibited. Other restrictions exist regarding: allowed management activities.
Del Mar SMCA	66068	South Mainland	See MarineMap	SMCA	moderate high	Commercial take is prohibited except Pacific bonito (pelagic seine) and Coastal pelagic finfish (pelagic seine). Recreational take is prohibited except Pelagic finfish (hook and line, and spear), Pacific bonito (hook and line, and spear), White seabass (hook and line, and spear), Coastal pelagic finfish (dip net), and Jumbo squid (hook and line). Note: Hook and line surface gear only	None specified
Del Mar SMR	66058	South Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified

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Laguna Coast 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), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Site chosen for a diversity of habitat of similar nature to other nearby areas but approximately equal distant between two ports (measured by fishing areas) to minimize socio-economic damage, reduce consumption of carbon fuels, and provide for the least expensive fishing access.	Preserve the diversity of recreational, educational, commercial, and cultural uses
Laguna SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-2,O-3), G4: (O-1,O-2), G5: (O-3,O-5), G6: (O-2,O-3,O-4)	Encompasses a wide diversity of habitats and areas identified for conservation needs	None specified
Agua Hedionda Lagoon SMR	None Specified	None specified	None specified
Batiquitos Lagoon SMP	G2: (O-1), G3: (O-1), G4: (O-1), G5: (O-1,O-4), G6: (O-1)	Retain existing protections	None specified
San Elijo Lagoon SMP	G2: (O-1), G3: (O-1), G4: (O-1), G5: (O-1,O-4), G6: (O-1)	Retain existing lagoon protections while reforming boundaries in accordance with DFG feasibility guidelines.	None specified
Del Mar 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), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Site chosen for a diversity of habitat of similar nature to other nearby areas but approximately equal distant between two ports (measured by fishing areas) to minimize socio-economic damage, reduce consumption of carbon fuels, and provide for the least expensive fishing access.	Preserve the diversity of recreational, educational, commercial, and cultural uses
Del Mar SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-2,O-3), G4: (O-1,O-2), G5: (O-2,O-3,O-4,O-5), G6: (O-2,O-3,O-4)	Connects two estuary systems	None specified

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San Dieguito Lagoon SMR	66050	South Mainland	See MarineMap	SMR	very high	All take is prohibited	Boating, swimming, wading, diving, access to the California least tern island, hours of entry, and allowed management activities.
San Diego-Scripps SMCA	68488	South Mainland	See MarineMap	SMCA	moderate low	Prohibits all recreational take except finfish. Prohibits all commercial take except finfish	Allowances for scientific collection.
La Jolla SMCA	68487	South Mainland	See MarineMap	SMCA	moderate high	Prohibits all recreational take. Prohibits all commercial take except for squid for the purpose of bait by hand-held scoop net west of a line drawn due north from Goldfish Point.	Restrictions exist regarding: boat launching areas and anchoring times.
Ocean Beach SMCA	68254	South Mainland	North: 32 degrees 46.000 minutes N West: State waters boundary South: 32 degrees 43.200 minutes N (easily recognized Laders Street) East: 117 degrees 17.000 degrees W (over a mile offshore)	SMCA	moderate high	All recreational take is prohibited except Pelagic finfish (spear and hook and line), Pacific bonito (spear and hook and line), White seabass (spear and hook and line). All commercial take is prohibited except Pelagic finfish (hook and line)	Fishing methods in this MPA are intended to limit depth in the water column therefore referred to as "surface gear" in the SAT LOP designation of Moderate High for hook and line fishers.
Ocean Beach SMCA (continued)							DoD may perform training exercises for national defense in this area such as acoustic monitoring, those activities should be allowed to continue.
Sunset Cliffs SMR	68253	South Mainland	North: 32 degrees 44.800 minutes N (Where sand ends south of pier) West: 117 degrees 17.000 minutes W South: 32 degrees 43.200 minutes N (Ladera Street Park boundary) East: Mean high tide line	SMR	very high	All take is prohibited	DoD may perform training exercises for national defense in this area such as acoustic monitoring, those activities should be allowed to continue.

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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), G5: (O-3,O-5), G6: (O-3,O-4)	Protect Estuary System with a very high level of protection	None specified
San Diego-Scripps SMCA	G1: (O-1,O-3), G2: (O-1,O-2,O-3,O-4), G3: (O-2)	Retain current research site focusing on benthic habitat and protecting the most immobile of species most likely to benefit.	None specified
La Jolla SMCA	G3: (O-1)	Retain popular viewing area	None specified
Ocean Beach SMCA	G1: (O-1,O-2,O-3,O-4), 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-3,O-4)	Strengthens LOP for southern end of study region. Provides protection for benthic species such as rockfish while allowing take of pelagic fish with surface [flyline/trolling] gear. Shallow water rockfish such as sheepshead, lingcod, and vermillion rockfish species will be provided protection in this MPA, which begins at a depth exceeding 30 meters.	This SMCA along with Sunset Cliff SMR create a cluster with moderate high protection outside 30 meters and very high protection in the 0-30 meter depth range. This protects bottom dwelling species such as rockfish, crab, and kellet's whelk while allowing take of pelagic species in this heavily traveled area. This MPA cluster along with the Del Mar SMR contain almost all of the habitats recommended for protection under the MLPA, and accompanying SAT guidance.
Ocean Beach SMCA (continued)			This MPA does have two hanging corners; however the placement of this MPA on whole-minute lines allows some fishing opportunity in this area, at least partially offsetting potentially severe economic impacts to San Diego's fishing economy. . Several pelagic species such as yellowtail, bonito, baracuda, and shark pass through this area in large numbers. Fly lining bait boiling schools of fish with surface gear or trolling are the most common methods of fishing for these species. This area is located directly in front of the harbor, thus a designation of SMCA is most appropriate to minimize enforcement problems.
Sunset Cliffs SMR	G1: (O-1,O-2,O-3,O-4), G2: (O-2), G3: (O-3), G4: (O-1,O-2), G5: (O-2,O-3,O-4,O-5), G6: (O-2,O-3,O-4)	Strengthens LOP backbone for southern end of study region. Protect rocky inter-tidal, shallow rocky reef, and kelp forest habitats and species associated with those habitats such as lobster, shallow water rockfish, and kelp bass.	This SMR, part of an MPA cluster, was created to contain rocky habitats not found in the Del Mar SMR within a close proximity. Although this MPA is slightly over the recommended distance from Laguna SMR, it is only by a few miles. This SMR, when coupled with a moderate high protection SMCA in deeper waters, meets the size guideline. The north and south boundaries are placed at easily recognized landmarks. Increasing the size of this SMR would interfere with public pier fishing to the north and heavily utilized public ocean access for kayaks and shore anglers to the south. In addition DoD activities could be impacted by moving the southern boundary. The western boundary was established at a whole minute line to provide surface [flyline/trolling] fishing opportunities targeting pelagic species in the adjacent SMCA for boat-based anglers traveling between Mission Bay and San Diego ports.

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Mia J Tegner SMCA	68489	South Mainland	See MarineMap	SMCA	low	Prohibits all recreational take except finfish. Prohibits all commercial take except for finfish and marine aquatic plants.	None specified
Sweetwater Marsh SMR	66055	South Mainland	See MarineMap	SMR	very high	All take is prohibited	None specified
South San Diego Bay SMP	66056	South Mainland	See MarineMap	SMP	moderate low	catch and release single barbless hooks, circle hooks for bait	None specified
Charles F Holder Catalina SMCA	68257	East Channel Islands	See MarineMap	SMCA	low	All existing uses continue to be allowed as in current regulations. Add an upper limit on retention for sheephead and kelp bass, no retention for these species over 17" in overall length	None specified

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Mia J Tegner SMCA	G3: (O-2)	Retain current research site	None specified
Sweetwater Marsh SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3), G4: (O-1), G5: (O-3,O-4,O-5)	Provide a very high level of protection to estuarine habitats	None specified
South San Diego Bay SMP	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3,O-4), G3: (O-1), G4: (O-1), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-3,O-4)	Provide for limited recreational opportunity, no retention of any species south of the 32 degrees 37 minutes	None specified
Charles F Holder Catalina 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,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1,O-2,O-3,O-4)	<p>The Charles F. Holder, Catalina State Marine Conservation Area.</p> <p>The Charles F. Holder Catalina State Marine Conservation Area (SMCA) is offered for consideration of the Marine Life Protection Act process to serve a large number of objectives that are accorded by Marine Managed Areas and to recognize the value of these approaches in designing a network of MPAs for the South Coast Study Region (SCSR).</p> <p>Catalina Island sits centrally in the SCSR and has a rich cultural fishing history combined with huge recreational fishing utilization.</p> <p>The shape of the SMCA includes all state waters surrounding the island. Implementation of the SMCA would include at least two new management measures that have a successful record in addressing life history issues likely to contribute to achieving MLPA objectives. These management approaches have a robust history of success in filling out age classes that have been implicated as a concern about indirect fishery impacts on habitats.</p>	<p>The Charles F. Holder Catalina State Marine Conservation Area (SMCA) is offered for consideration of the Marine Life Protection Act process to serve a large number of objectives that are accorded by Marine Managed Areas and to recognize the value of these approaches in designing a network of MPAs for the South Coast Study Region (SCSR).</p> <p>Catalina Island sits centrally in the SCSR and has a rich cultural fishing history combined with huge recreational fishing utilization.</p> <p>The shape of the SMCA includes all state waters surrounding the island. Implementation of the SMCA would include at least two new management measures that have a successful record in addressing life history issues likely to contribute to achieving MLPA objectives. These management approaches have a robust history of success in filling out age classes that have been implicated as a concern about indirect fishery impacts on habitats.</p>
		<p>The SMCA in conjunction with catch and release areas directly addresses both aspects of this concern of age structure changes and population density.</p> <p>Other Rationale for a SMCA:</p> <p>Recreational Interest: Catalina is centrally located off the coastline of densely populated Los Angeles County. As the County of Los Angeles has grown to one of the nation's most densely populated metropolis the protected waters of the island have unceasingly served as an attraction to recreational fishermen.</p> <p>Conservation Interest: Conservation interest in Catalina started very early. Charles F. Holder first came to the island in 1886 and saw people using handlines to catch fish and stack them like cordwood on the beach. He was a writer and wrote articles and books that told of the rich ecosystem here that began the process of building the popularity of the island. He went on to found the Avalon Tuna Club in 1898.</p>	<p>The SMCA in conjunction with catch and release areas directly addresses both aspects of this concern of age structure changes and population density.</p> <p>Recreational Interest: Catalina is centrally located off the coastline of densely populated Los Angeles County. As the County of Los Angeles has grown to one of the nation's most densely populated metropolis the protected waters of the island have unceasingly served as an attraction to recreational fishermen.</p> <p>Conservation Interest: Conservation interest in Catalina started very early. Charles F. Holder first came to the island in 1886 and saw people using handlines to catch fish and stack them like cordwood on the beach. He was a writer and wrote articles and books that told of the rich ecosystem here that began the process of building the popularity of the island. He went on to found the Avalon Tuna Club in 1898. The club was one of the first saltwater angling clubs in the world and the first to for the purpose of targeting big game fishes.</p>

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Arrow Pt to Lionhead SMCA	66047	East Channel Islands	See MarineMap	SMCA	low	Allows all commercial take, though other species and gear restrictions apply. Prohibits all recreational take except marine aquatic plants and fishes.	None specified

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		<p>The club was one of the first saltwater angling clubs in the world and the first to for the purpose of targeting big game fishes. The club's motto is "Fair play to game fishes, and the lightest possible tackle" and was dedicated to the overall management of the resources surrounding the island. The tuna club established rules that required the use of rods and reels and put limits on the strength of line that could be used. The club was instantly successful and in the first two years had both a future and past President of the United States as members, Theodore Roosevelt (joined 1898) and Grover Cleveland (joined 1899). In his annual address the first president and founder of the club, Charles F. Holder, said: "I congratulate you, gentlemen of the Tuna Club, on the results of a year's example. A year ago boats left Avalon Bay with from four to ten heavy handlines, and tunas and yellowtail and sea bass were slaughtered by the ton and thrown away.</p>	<p>The club's motto is "Fair play to game fishes, and the lightest possible tackle" and was dedicated to the overall management of the resources surrounding the island. The tuna club established rules that required the use of rods and reels and put limits on the strength of line that could be used. The club was instantly successful and in the first two years had both a future and past President of the United States as members, Theodore Roosevelt (joined 1898) and Grover Cleveland (joined 1899). In his annual address the first president and founder of the club, Charles F. Holder, said: I congratulate you, gentlemen of the Tuna Club, on the results of a year's example. A year ago boats left Avalon Bay with from four to ten heavy handlines, and tunas and yellowtail and sea bass were slaughtered by the ton and thrown away. To-day by your example not a boatman of Santa Catalina will permit a hand-line in his boat.</p>
		<p>To-day by your example not a boatman of Santa Catalina will permit a hand line in his boat. All use rods and reels and the lines specified by the Club, and the result is that few fish are wasted, the catch is reduced two-thirds, and the sport is enhanced by the use of rod and reel. Not only this, but the fame of the Tuna Club has gone around the civilized world, and its example, 'fair play to game fishes,' has been adopted in every land where the phrase, 'He fishes like a gentleman,' has any significance." (The Channel Islands of California, A book for the Angler, Sportsman, and Tourist, Charles Frederick Holder, A.C. McClurg & Co., Chicago, 1910)</p> <p>Why an whole island SMCA within the MLPA process?</p>	<p>All use rods and reels and the lines specified by the Club, and the result is that few fish are wasted, the catch is reduced two-thirds, and the sport is enhanced by the use of rod and reel. Not only this, but the fame of the Tuna Club has gone around the civilized world, and its example, 'fair play to game fishes,' has been adopted in every land where the phrase, 'He fishes like a gentleman,' has any significance." (The Channel Islands of California, A book for the Angler, Sportsman, and Tourist, Charles Frederick Holder, A.C. McClurg & Co., Chicago, 1910)</p>
		<p>Considering the effort at Catalina, the island in the view of some might support several highly restrictive MPAs. But such an approach to management at Catalina would have devastating economic effects both on the town of Avalon and to the many businesses that provide the means to enjoy the island. Additionally a lot of compression of recreational effort at Catalina could have far reaching negative consequences for the larger ecology of the island. Finally, since kelp bass is 100% allocated to recreational fishermen as a game fish and sheephead is predominantly allocated to recreational fishermen through the Nearshore Management Plan, recreational measures address the bulk of fishery impacts on these key MLPA species in a manner palatable to the majority of recreational fishermen.</p>	
Arrow Pt to Lionhead 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), G6: (O-1,O-3)	Retain existing protections for biohabitats and other highly immobile species	None specified

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Bird Rock SMCA	68260	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 recreational take is prohibited except Pelagic finfish (spear, hook and line), Pacific bonito (spear, hook and line), and White Seabass (spear, hook and line). All commercial take is prohibited except Pelagic finfish (hook and line), White seabass (hook and line), and Swordfish (Harpoon).	None specified
Catalina Marine Science Center SMR	66045	East Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None specified
Farnsworth ptA SMCA	66062	East Channel Islands	See MarineMap	SMCA	high	Commercial take is prohibited except Pacific bonito (pelagic seine), Coastal pelagic finfish (pelagic seine), Market squid (pelagic seine), and Swordfish (harpoon). Recreational take is prohibited except Pelagic finfish (hook and line, and spear), Pacific bonito (hook and line, and spear), White seabass (hook and line, and spear), Jumbo squid (Hook and line), and Market squid (dip net).	Allow permanent mooring placed so as to not damage purple corals No anchoring
Farnsworth ptB SMCA	66049	East Channel Islands	See MarineMap	SMCA	moderate low	Commercial take is prohibited except Pacific bonito (pelagic seine), Coastal pelagic finfish (pelagic seine), Market squid (pelagic seine), and Swordfish (harpoon). Recreational take is prohibited except Pelagic finfish (hook and line, and spear), Pacific bonito (hook and line, and spear), White seabass (hook and line, and spear), Jumbo squid (Hook and line), and Market squid (dip net).	Allow permanent mooring placed so as to not damage purple corals
Lover's Cove SMCA	68490	East Channel Islands	See MarineMap	SMCA	low	Prohibits all recreational take. Prohibits all commercial take except for kelp and finfish.	None
Begg Rock SMR	68203	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None specified

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
Bird Rock 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)	Add conservation area to Catalina Marine Science Area to provide a full high/very high protection replicate for the eastern Channel Islands. 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.
Catalina Marine Science Center SMR	G1: (O-1,O-3,O-4), G2: (O-1,O-2,O-3), G3: (O-2), G4: (O-1,O-2), G5: (O-2,O-5), G6: (O-3,O-4)	Adjacent to Wrigley Institute	None specified
Farnsworth ptA 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), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1)	To extend benthic protections and protect unique habitats and marine life at Farnsworth Bank while providing traditional opportunities for pelagic fishes.	Preserve the diversity of recreational, educational, commercial, and cultural uses
Farnsworth ptB 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), G4: (O-1,O-2), G5: (O-1,O-2,O-3,O-4,O-5), G6: (O-1)	To extend benthic protections and protect unique habitats and marine life at Farnsworth Bank into the shoreline while providing traditional opportunities for pelagic fishes.	Preserve the diversity of recreational, educational, commercial, and cultural uses
Lover's Cove SMCA	G1: (O-3), G3: (O-1)	Retain popular viewing site and existing protections	None specified
Begg Rock SMR	G1: (O-1,O-2,O-3,O-4,O-5), G2: (O-1,O-2,O-3,O-4), G4: (O-1,O-2), G5: (O-2,O-3,O-4,O-5), G6: (O-3)	Provides protection for deeper rock lacking in study region.	None specified

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MPA Name	MPA ID	Bioregion	MPA Boundaries (Exact or Approximate)	Designation	Level of Protection	Proposed Take Regulations	Other Proposed Regulations
San Clemente Island Pending Military Closure 1	66057	East Channel Islands	See MarineMap	Undesignated	N/A	None Specified	None
San Clemente Island Pending Military Closure 2	66054	East Channel Islands	See MarineMap	Undesignated	N/A	None Specified	None
Richardson Rock SMR	66030	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Judith Rock SMR	66041	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Harris Point SMR	66031	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
South Point SMR	66040	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Carrington Point SMR	66032	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Skunk Point SMR	66042	West Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Painted Cave SMCA	66037	Mid Channel Islands	See MarineMap	SMCA	moderate low	Commercial take is prohibited except Lobster (trap). Recreational take is prohibited except Lobster (hoop net and diving), and Pelagic finfish (spearfishing).	None
Gull Island SMR	66038	Mid Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Scorpion SMR	66039	Mid Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Footprint SMR	66033	Mid Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Anacapa Island SMCA	66035	Mid Channel Islands	See MarineMap	SMCA	moderate low	Commercial take is prohibited except Lobster (trap). Recreational take is prohibited except Lobster (hoop net and diving), and Pelagic finfish (spearfishing).	None

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
San Clemente Island Pending Military Closure 1	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-3,O-5), G6: (O-3,O-4)	This is an APPROXIMATE polygon representing the Federal closure on San Clemente Island called SWAT-1 Provide very high protection to serve the goals of the MLPA while working cooperatively with the military	None specified
San Clemente Island Pending Military Closure 2	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-3), G6: (O-3,O-4)	This is an APPROXIMATE polygon representing the Federal Closure located on the east side of San Clemente Island called SWAT-2. Provide very high protection and serve goals of MLPA while working cooperatively with the military	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
Anacapa Island SMCA	None Specified	None	None

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MPA Name	MPA ID	Bioregion	MPA Boundaries (Exact or Approximate)	Designation	Level of Protection	Proposed Take Regulations	Other Proposed Regulations
Anacapa Island SMR	66034	Mid Channel Islands	See MarineMap	SMR	very high	All take is prohibited	None
Santa Barbara Island	66036	Mid Channel Islands	See MarineMap	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:

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

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

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MPA Name	Regional Goals/ Objectives	Site Specific Rationale	Other Considerations
Anacapa Island SMR	None Specified	None	None
Santa Barbara Island	None Specified	None	None

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Existing MPA Name	Retain (no changes to boundaries or regulations)	Modify (included with boundary or regulation change)	Remove (not included)
Refugio SMCA			Remove
Goleta Slough SMP	Retain		
Big Sycamore Canyon SMR		Modify boundaries. Replace with Big Sycamore SMR.	
Abalone Cove SMP		Modify boundaries and regulations. Replace with Portuguese Bend SMR.	
Point Fermin SMP		Modify boundaries	
Bolsa Chica SMP	Retain		
Upper Newport Bay SMP		Modify boundaries. Replace with Upper Newport Bay SMP.	
Robert E Badham SMCA			Remove
Crystal Cove SMCA			Remove
Irvine Coast SMCA			Remove
Heisler Park SMR		Modify boundaries. Replace with Laguna SMR.	
Laguna Beach SMCA		Modify boundaries and regulations. Replace with Laguna SMR.	
South Laguna Beach SMCA			Remove
Niguel SMCA			Remove
Dana Point SMCA			Remove
Doheny SMCA			Remove
Doheny Beach SMCA			Remove
Buena Vista Lagoon SMP			Remove (per Department of Fish and Game guidance)
Agua Hedionda Lagoon SMR	Retain		
Batiquitos Lagoon SMP		Modify boundaries. Replace with Batiquitos Lagoon SMP.	
Encinitas SMCA			Remove
Cardiff-San Elijo SMCA			Remove
San Elijo Lagoon SMP	Retain		
San Dieguito Lagoon SMP		Modify boundaries and regulations. Replace with San Dieguito Lagoon SMR.	
San Diego-Scripps SMCA	Retain		
La Jolla SMCA	Retain		
Mia J Tegner SMCA	Retain		
Catalina Marine Science Center SMR		Modify boundaries.	
Farnsworth Bank SMCA		Modify boundaries and regulations. Replace with Farnsworth ptA SMCA.	
Lover's Cove SMCA	Retain		
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)		

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Existing MPA Name	Retain (no changes to boundaries or regulations)	Modify (included with boundary or regulation change)	Remove (not included)
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. Replace with Arrow Pt to Lionhead SMCA.	

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