

**California Marine Life Protection Act Initiative
South Coast Study Region
Preliminary Staff Summary of Area and Habitats in
Draft External Proposal B
February 27, 2009**

Note: For this preliminary summary of basic area and habitat statistics, the results are based on best available, coarse-scale substrate data. Future analyses will use more detailed, fine-scale data. Also for this analysis, information on levels of protection is not available.

Overall Summary for Draft External Proposal B

Type of MPA ¹	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	18	182.7	7.8%
State Marine Recreational Managed Area (SMRMA)	2	214.4	9.1%
State Marine Park (SMP)	8	2.7	0.1%
State Marine Conservation Area (SMCA)	22	73.6	3.1%
All MPAs Combined	50	473.4	20.1%

¹ Note: These are proposed marine protected area (MPA) designations, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team.

Individual MPAs in Draft External Proposal B

MPA Name	Size (mi ²)
Richardson Rock SMR ²	40.6
Judith Rock SMR ²	4.5
Harris Point SMR ²	25.3
South Point SMR ²	13.0
Carrington Point SMR ²	12.8
Skunk Point SMR ²	1.4
Painted Cave SMCA ²	1.8
Gull Island SMR ²	19.9
Scorpion SMR ²	9.6
Footprint SMR ²	7.0
Anacapa Island SMCA ²	7.3
Anacapa Island SMR ²	11.5
Santa Barbara Island SMR ²	12.8
Refugio SMCA	1.0
Coal Oil Point SMR	3.0
Coal Oil Point SMCA	6.7
Goleta Slough SMP	0.3
Point Mugu SMCA	3.0
Mugu Canyon SMCA	13.3
Big Sycamore SMR	10.4
Portuguese Bend SMR	4.7
Portuguese Bend SMCA	7.4
Point Fermin SMP	0.1
Bolsa Chica SMP	0.3

MPA Name	Size (mi ²)
Upper Newport Bay SMP	1.1
Robert E Badham SMP	< 0.1
Irvine Coast SMCA	0.3
Crystal Cove SMCA	1.8
Laguna SMR	2.0
Laguna SMCA	12.1
Niguel SMCA	0.5
Dana Point SMCA	0.2
Doheny Beach SMCA	0.1
Doheny SMCA	0.2
Agua Hedionda Lagoon SMR	< 0.1
Batiquitos Lagoon SMP	0.3
Encinitas SMCA	0.1
Cardiff-San Elijo SMCA	1.2
San Elijo Lagoon SMP	0.4
San Dieguito Lagoon SMP	0.2
Del Mar SMR	4.0
Del Mar SMCA	6.5
San Diego-Scripps SMCA	0.1
La Jolla SMCA	0.8
Mia J Tegner SMCA	< 0.1
Catalina Marine Science Center SMR	0.1
Lover's Cove SMCA	< 0.1
Charles F Holder Catalina SMRMA	212.5
Ben Weston SMRMA	1.9
Farnsworth Bank SMCA	9.2

² Note: The Northern Channel Islands MPAs are to be part of all proposals, as directed by the California Fish and Game Commission and are noted by the footnote. MPAs listed below the broken line are those being proposed.

Habitat Representation³ in Draft External Proposal B

Habitat Type	Area ⁴ (sq. mi) and percentage of mapped habitat in proposal									
	SMR		SMRMA		SMP		SMCA		Total MPAs	
	Area	Area	Area	%	Area	%	Area	%	Area	%
Intertidal										
Sandy or gravel beach*	13.71	4%	23.89	6%	0.16	< 1%	8.48	2%	46.24	12%
Rocky intertidal & cliff*	29.63	11%	22.51	8%	0.72	< 1%	10.91	4%	63.78	23%
Hardened Shores*	0.78	0%	1.09	0%	1.14	< 1%	0.97	< 1%	3.99	1%
Coastal marsh*	0.00	0%	0.00	0%	14.92	25%	0.00	0%	14.92	25%
Tidal flats*	0.00	0%	0.48	2%	3.40	12%	0.10	< 1%	3.98	14%
Seagrass beds										
Surfgrass ^{*,5}	NA		NA		NA		NA		NA	
Eelgrass ⁵	NA		NA		NA		NA		NA	
Estuary										
Estuary ⁵	NA		NA		NA		NA		NA	

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Habitat Type	Area ⁴ (sq. mi) and percentage of mapped habitat in proposal									
	SMR		SMRMA		SMP		SMCA		Total MPAs	
	Area	Area	Area	%	Area	%	Area	%	Area	%
Soft bottom										
0-30 meters	23.08	5%	0.44	0%	0.02	< 1%	9.06	2%	32.60	7%
0-30 meters*	28.85	8%	0.60	0%	0.00	0%	12.20	3%	41.65	12%
30-100 meters	80.79	10%	2.64	0%	0.00	0%	25.43	3%	108.86	13%
100-200 meters	26.73	18%	0.08	0%	0.00	0%	6.51	4%	33.31	23%
>200 meters	24.22	8%	56.07	18%	0.00	0%	17.91	6%	98.20	31%
Hard bottom										
0-30 meters	8.62	5%	12.28	8%	0.04	< 1%	2.16	1%	23.10	14%
0-30 meters*	18.13	9%	39.02	20%	0.00	0%	4.11	2%	61.26	31%
30-100 meters	12.50	7%	53.70	29%	0.00	0%	9.46	5%	75.67	41%
100-200 meters	4.16	6%	33.48	45%	0.00	0%	2.33	3%	39.97	53%
>200 meters	1.72	2%	53.85	56%	0.00	0%	0.41	< 1%	55.98	58%
Substrate < 50 m deep										
Hard substrate ⁵	NA		NA		NA		NA		NA	
Soft substrate ⁵	NA		NA		NA		NA		NA	
Kelp forest										
Kelp*	17.25	9%	18.32	9%	0.00	0%	2.43	1%	38.00	19%

³ Note: The results from these preliminary analyses are based on coarse-scale substrate data. Future analyses will be conducted using more detailed, fine-scale data.

⁴ Note: Habitats measured as an area (m²) except for those with a * notation. Habitats with a * notation are expressed in linear units (mi).

⁵ Note: The "NA" notation is due to the fact that either data is not available or these habitats are not found or are only found in small areas in this study region.