

**California Marine Life Protection Act Initiative
South Coast Study Region: Round 1 Evaluation
Staff Summary of Area and Habitats in
Draft External MPA Proposal B
Revised April 23, 2009**

Summary of MPAs by Designation for Draft External MPA Proposal B

Type of MPA ¹	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	18	182.9	7.8%
State Marine Recreational Managed Area (SMRMA)	2	214.7	9.1%
State Marine Park (SMP)	7	2.6	0.1%
State Marine Conservation Area (SMCA)	23	73.7	3.1%
Undesignated ²	3	61.9	2.6%
All MPAs combined	53	535.8	22.8%

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 a MPA designation, but a marine managed area designation.

² Note: These are the pending military closures, if they were included in the proposal.

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

Level of Protection (LOP)	# Proposed	Area (mi ²)	% of Study Region
Very High ³	21	244.8	10.4%
High	4	28.1	1.2%
Moderate-High	0	0.0	0.0%
Moderate	0	0.0	0.0%
Low ⁴	28	262.8	11.2%
Total	53	535.8	22.8%

³ Note: Includes MPAs with SMR designation and pending military closures that were not assigned a designation.

⁴ Note: The Low category groups together MPAs that are assigned a moderate-low and lower level of protection.

Individual MPAs in Draft External MPA Proposal B

MPA Name	Size (mi ²)	Along-shore span ⁶ (mi)	Depth range (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
Anacapa Island SMR ⁵	11.54	3.1	0 - 709

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MPA Name	Size (mi ²)	Along-shore span ⁶ (mi)	Depth range (ft)
Santa Barbara Island SMR ⁵	12.76	1.0	0 - 1655
Refugio SMCA_XB	1.03	2.6	0 - 51
Coal Oil Point SMCA_XB	6.70	2.6	164 - 635
Coal Oil Point SMR_XB	3.01	2.6	0 - 165
Goleta Slough SMP_XB	0.25	N/A	N/A
Mugu Canyon SMCA_XB	13.27	4.4	33 - 1680
Point Mugu SMCA_XB	3.00	4.4	0 - 355
Big Sycamore Canyon SMR_XB	10.43	2.9	0 - 932
Portuguese Bend SMCA_XB	7.39	3.1	123 - 2270
Portuguese Bend SMR_XB	4.72	3.1	0 - 737
Point Fermin SMP_XB	0.07	0.6	0 - 20
Bolsa Chica SMP_XB	0.25	N/A	N/A
Upper Newport Bay SMP_XB	1.10	N/A	N/A
Robert E Badham SMCA_XB	0.02	0.6	0 - 10
Crystal Cove SMCA_XB	1.80	3.1	0 - 136
Irvine Coast SMCA_XB	0.35	3.1	0 - 14
Laguna SMCA_XB	12.10	3.5	104 - 1871
Laguna SMR_XB	2.00	3.3	0 - 124
Niguel SMCA_XB	0.49	2.0	0 - 53
Dana Point SMCA_XB	0.20	0.8	0 - 34
Doheny SMCA_XB	0.19	1.1	0 - 14
Doheny Beach SMCA_XB	0.14	1.2	0 - 10
Agua Hedionda Lagoon SMR_XB	0.04	N/A	N/A
Batiquitos Lagoon SMP_XB	0.28	N/A	N/A
Encinitas SMCA_XB	0.11	0.9	0 - 10
Cardiff-San Elijo SMCA_XB	1.21	2.1	0 - 59
San Elijo Lagoon SMP_XB	0.44	N/A	N/A
Del Mar SMCA_XB	6.48	2.9	88 - 1057
Del Mar SMR_XB	3.99	2.9	0 - 171
San Dieguito Lagoon SMP_XB	0.19	N/A	N/A
San Diego-Scripps SMCA_XB	0.11	0.5	0 - 10
La Jolla SMCA_XB	0.77	1.1	0 - 214
Mia J Tegner SMCA_XB	0.02	0.6	0 - 10
Catalina Marine Science Center SMR_XB	0.06	0.8	0 - 111
Lover's Cove SMCA_XB	0.02	0.3	0 - 10
Charles F Holder Catalina SMRMA_XB	212.79	53.0	0 - 3674
Ben Weston SMRMA_XB	1.89	3.0	0 - 234
Farnsworth Bank SMCA_XB	9.20	3.0	86 - 1493
Pending Military Closure SNI_01	25.20	7.0	0 - 288
Pending Military Closures SCI 1_01	17.44	3.9	0 - 1682
Pending Military Closures SCI 2_01	19.24	5.4	0 - 3938

⁵ Note: The Northern Channel Islands MPAs 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.

Habitat Representation in Draft External MPA Proposal B

Habitat	Area ⁷ (sq. mi) and Percentage of Mapped Habitat in Proposal									
	SMR ⁸		SMRMA		SMP		SMCA		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%
Intertidal										
Sandy or gravel beach*	28.86	8%	39.45	10%	0.15	<1%	15.21	4%	83.68	22%
Rocky shores*	43.19	15%	29.32	10%	0.54	<1%	14.69	5%	87.74	31%
Hardened shores*, 9, 10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal marsh*	0.00	0%	0.00	0%	16.91	28%	0.01	<1%	16.92	28%
Coastal marsh	0.01	<1%	0.00	0%	1.31	21%	0.00	0%	1.32	22%
Tidal flats*	0.00	0%	0.72	3%	3.91	14%	0.10	<1%	4.73	16%
Seagrass beds										
Surfgrass*	14.27	20%	0.00	0%	0.00	0%	1.29	2%	15.56	21%
Eelgrass	0.00	0%	0.00	0%	0.06	1%	0.00	0%	0.06	1%
Estuary										
Estuary	0.04	<1%	0.00	0%	2.51	6%	0.00	0%	2.55	6%
Soft bottom										
0-30 meters	23.42	5%	7.64	2%	0.01	<1%	6.92	2%	37.99	9%
0-30 meters proxy*, 11	36.42	10%	35.07	10%	0.00	0%	15.67	4%	87.16	24%
30-100 meters	68.27	10%	47.25	7%	0.00	0%	26.70	4%	142.22	21%
100-500 meters	15.47	10%	36.48	23%	0.00	0%	11.45	7%	63.40	40%
>500 meters	2.23	1%	112.83	48%	0.00	0%	21.43	9%	136.50	58%
Hard bottom										
0-30 meters	12.65	11%	2.92	3%	0.07	<1%	1.30	1%	16.94	15%
0-30 meters proxy*, 11	25.35	13%	20.29	11%	0.00	0%	3.00	2%	48.63	25%
30-100 meters	11.79	25%	1.20	3%	0.00	0%	0.96	2%	13.95	29%
100-500 meters	0.48	12%	0.14	3%	0.00	0%	0.20	5%	0.81	21%
>500 meters	0.00	0%	0.91	42%	0.00	0%	0.22	10%	1.13	53%
Unknown										
0-30 meters	3.52	2%	1.56	1%	2.50	2%	1.83	1%	9.41	6%
30-100 meters	34.31	16%	0.07	<1%	0.00	0%	1.46	1%	35.84	17%
100-500 meters	27.47	24%	0.08	<1%	0.00	0%	0.78	1%	28.33	25%
>500 meters	44.97	22%	3.58	2%	0.00	0%	0.44	<1%	49.00	24%
Kelp forest										
Average kelp (area)	2.37	11%	0.46	2%	0.02	<1%	0.13	1%	2.98	14%
Kelp*	24.62	13%	20.24	11%	0.11	<1%	1.73	1%	46.70	26%

⁷ Note: Habitats measured as an area (mi²) except for those with a * notation. Habitats with a * notation are expressed in linear units (mi).

⁸ Note: Includes MPAs with SMR designation, as well as pending military closures that were not assigned a designation

⁹ Note: Habitat calculations for hardened shores will be generated in subsequent rounds of MPA proposal evaluation.

¹⁰ 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.

¹¹ 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.