

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

Summary of MPAs by Designation for Draft External MPA Proposal C

Type of MPA ¹	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	41	722.7	30.7%
State Marine Recreational Managed Area (SMRMA)	0	0.0	0.0%
State Marine Park (SMP)	3	32.2	1.4%
State Marine Conservation Area (SMCA)	3	21.8	0.9%
Undesignated ²	0	0.0	0.0%
All MPAs combined	47	776.7	33.0%

¹ Note: These are proposed marine protected area (MPA) designations, NOT levels of protection assigned by the 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 C

Level of Protection (LOP)	# Proposed	Area (mi ²)	% of Study Region
Very High ³	41	722.7	30.7%
High	0	0.0	0.0%
Moderate-High	0	0.0	0.0%
Moderate	0	0.0	0.0%
Low ⁴	6	54.0	2.3%
Total	47	776.7	33.0%

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 C

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
Santa Barbara Island SMR ⁵	12.76	1.0	0 - 1655

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MPA Name	Size (mi²)	Along-shore Span⁶ (mi)	Depth Range (ft)
Pt_Conception SMR_XC	25.64	7.0	0 - 452
Tajiguas SMR_XC	4.01	3.1	0 - 222
Refugio SMP_XC	4.65	2.4	0 - 220
Goleta SMR_XC	33.63	9.0	0 - 911
Devereux_Lagoon SMR_XC	0.09	N/A	N/A
Goleta_Slough SMR_XC	0.25	N/A	N/A
Carpinteria SMR_XC	17.87	4.6	0 - 145
Carpinteria_Salt_Marsh SMR_XC	0.28	N/A	N/A
Pt_Mugu SMCA_XC	12.71	3.4	0 - 1680
Mugu_Lagoon SMR_XC	1.46	N/A	N/A
Lechuza SMP_XC	16.05	4.4	0 - 1444
Malibu SMR_XC	31.96	8.8	0 - 1976
Palos_Verdes SMR_XC	29.99	7.6	0 - 2177
Bolsa_Chica SMR_XC	0.47	N/A	N/A
Newport_Bay SMR_XC	2.64	N/A	N/A
Orange_County SMR_XC	49.74	13.3	0 - 1871
Agua_Hedionda SMR_XC	0.47	N/A	N/A
Batiquitos_Lagoon SMR_XC	0.65	N/A	N/A
Cardiff SMR_XC	13.10	3.6	0 - 982
San_Elijo_Lagoon SMR_XC	0.44	N/A	N/A
La_Jolla SMR_XC	23.83	5.9	0 - 908
Pt_Loma SMR_XC	12.81	3.6	0 - 348
San_Diego_Bay SMP_XC	11.49	N/A	N/A
Imperial_Beach SMR_XC	12.44	3.6	0 - 99
Tijuana_Estuary SMR_XC	0.75	N/A	N/A
Land's_End SMR_XC	17.38	5.1	0 - 2616
Catalina_North SMR_XC	19.26	4.6	0 - 2616
Long_Pt SMR_XC	15.47	4.1	0 - 1708
Farnsworth_Bank SMR_XC	27.08	7.4	0 - 3674
West_San_Nicolas SMR_XC	66.19	14.3	0 - 1743
Begg_Rock SMR_XC	37.96	6.9	219 - 374
North_End SMR_XC	47.70	11.0	0 - 3938
China_Point SMR_XC	41.69	10.7	0 - 1471
Pyramid_Head SMR_XC	28.77	6.4	0 - 3164

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 C

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*	91.37	24%	0.00	0%	11.14	3%	2.54	1%	105.05	28%
Rocky shores*	109.90	39%	0.00	0%	1.97	1%	6.69	2%	118.57	42%
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*	36.24	61%	0.00	0%	1.52	3%	0.00	0%	37.75	63%
Coastal marsh	3.22	53%	0.00	0%	0.26	4%	0.00	0%	3.48	57%
Tidal flats*	12.34	43%	0.00	0%	1.89	7%	0.00	0%	14.23	49%
Seagrass beds										
Surfgrass*	14.27	20%	0.00	0%	0.00	0%	1.29	2%	15.56	21%
Eelgrass	0.24	5%	0.00	0%	2.14	46%	0.00	0%	2.38	51%
Estuary										
Estuary	7.49	17%	0.00	0%	11.49	27%	0.00	0%	18.99	44%
Soft bottom										
0-30 meters	67.94	16%	0.00	0%	3.50	1%	2.31	1%	73.75	17%
0-30 meters proxy*, 11	81.25	22%	0.00	0%	2.80	1%	7.56	2%	91.61	25%
30-100 meters	214.38	32%	0.00	0%	10.69	2%	8.75	1%	233.82	35%
100-200 meters	65.88	42%	0.00	0%	2.58	2%	2.92	2%	71.38	45%
>200 meters	89.48	38%	0.00	0%	2.28	1%	4.78	2%	96.54	41%
Hard bottom										
0-30 meters	52.64	47%	0.00	0%	1.35	1%	0.15	<1%	54.14	48%
0-30 meters proxy*, 11	86.20	45%	0.00	0%	4.05	2%	0.55	<1%	90.80	47%
30-100 meters	29.08	61%	0.00	0%	0.09	<1%	0.03	<1%	29.21	61%
100-200 meters	1.52	39%	0.00	0%	0.00	0%	0.00	0%	1.52	39%
>200 meters	0.70	32%	0.00	0%	0.00	0%	0.00	0%	0.70	32%
Unknown										
0-30 meters	18.14	12%	0.00	0%	11.68	8%	0.67	<1%	30.49	20%
30-100 meters	54.65	26%	0.00	0%	0.00	0%	1.30	1%	55.95	26%
100-200 meters	42.96	38%	0.00	0%	0.00	0%	0.52	<1%	43.48	38%
>200 meters	85.01	42%	0.00	0%	0.01	<1%	0.37	<1%	85.39	42%
Kelp forest										
Average kelp (area)	9.59	46%	0.00	0%	0.24	1%	0.00	0%	9.83	47%
Kelp*	80.69	44%	0.00	0%	3.88	2%	0.00	0%	84.57	46%

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.