

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

Summary of MPAs by Designation for Draft External MPA Proposal A

Type of MPA ¹	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	21	213.2	9.1%
State Marine Recreational Managed Area (SMRMA)	0	0.0	0.0%
State Marine Park (SMP)	4	2.5	0.1%
State Marine Conservation Area (SMCA)	13	24.4	1.0%
Undesignated ²	2	36.7	1.6%
All MPAs combined	40	276.7	11.8%

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 A

Level of Protection (LOP)	# Proposed	Area (mi ²)	% of Study Region
Very High ³	23	249.9	10.6%
High	1	11.0	0.5%
Moderate-High	0	0.0	0.0%
Moderate	0	0.0	0.0%
Low ⁴	16	15.9	0.7%
Total	40	276.7	11.8%

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 A

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
DevereuxLagoon_SMR_XA	0.09	N/A	N/A
CampusPoint_SMR_XA	9.42	2.6	0 - 635
Goleta Slough_SMCA_XA	0.25	N/A	N/A
MuguLagoon_SMCA_XA	1.35	N/A	N/A
BigSycamoreCanyon_SMR_XA	11.24	3.1	0 - 1186
Malibu_SMR_XA	10.32	2.8	0 - 372
PortugueseBend_SMCA_XA	10.96	2.9	0 - 2237
Point Fermin SMCA_XA	0.07	0.6	0 - 20
Bolsa Chica_SMP_XA	0.25	N/A	N/A
Upper Newport Bay_SMP_XA	1.10	N/A	N/A
CrystalCove_SMCA_XA	0.72	3.5	0 - 62
Laguna_SMR_XA	10.04	2.3	0 - 1803
LagunaCoast_SMCA_XA	0.52	2.2	0 - 49
DanaPoint_SMCA_XA	1.05	2.5	0 - 63
DohenyBeach_SMCA_XA	0.20	0.9	0 - 13
BatiquitosLagoon_SMP_XA	0.67	N/A	N/A
San Elijo Lagoon_SMP_XA	0.44	N/A	N/A
DelMar_SMR_XA	10.74	3.0	0 - 1057
San Dieguito Lagoon_SMR_XA	0.19	N/A	N/A
San Diego-Scripps_SMCA_XA	0.11	0.5	0 - 10
La Jolla_SMR_XA	0.77	1.1	0 - 214
Mia J Tegner_SMCA_XA`	0.02	0.6	0 - 10
Catalina Marine Science Center_SMR_XA	0.06	0.8	0 - 111
Lover's Cove_SMCA_XA	0.02	0.3	0 - 10
Farnsworth Bank_SMR_XA	1.68	1.2	135 - 403
Pending Military Closures SCI 1	17.44	3.9	0 - 1682
Pending Military Closures SCI 2	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 A

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*	28.07	7%	0.00	0%	0.00	0%	11.02	3%	39.09	10%
Rocky shores*	38.12	14%	0.00	0%	0.00	0%	13.53	5%	51.65	18%
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*	0.55	1%	0.00	0%	13.59	23%	12.12	20%	26.27	44%
Coastal marsh	0.09	1%	0.00	0%	1.15	19%	0.84	14%	2.08	34%
Tidal flats*	0.21	1%	0.00	0%	3.14	11%	1.46	5%	4.81	17%
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%	0.20	4%	0.00	0%	0.20	4%
Estuary										
Estuary	0.28	1%	0.00	0%	2.46	6%	1.60	4%	4.34	10%
Soft bottom										
0-30 meters	25.40	6%	0.00	0%	0.01	<1%	2.46	1%	27.87	6%
0-30 meters proxy*, 11	34.39	9%	0.00	0%	0.00	0%	9.14	3%	43.53	12%
30-100 meters	69.98	10%	0.00	0%	0.00	0%	9.06	1%	79.04	12%
100-500 meters	20.04	13%	0.00	0%	0.00	0%	1.33	1%	21.38	13%
>500 meters	9.37	4%	0.00	0%	0.00	0%	5.02	2%	14.39	6%
Hard bottom										
0-30 meters	7.82	7%	0.00	0%	0.00	0%	1.24	1%	9.06	8%
0-30 meters proxy*, 11	22.44	12%	0.00	0%	0.00	0%	3.47	2%	25.91	14%
30-100 meters	5.68	12%	0.00	0%	0.00	0%	0.10	<1%	5.77	12%
100-500 meters	0.66	17%	0.00	0%	0.00	0%	0.00	0%	0.66	17%
>500 meters	0.01	<1%	0.00	0%	0.00	0%	0.21	10%	0.22	10%
Unknown										
0-30 meters	3.73	2%	0.00	0%	2.45	2%	3.11	2%	9.29	6%
30-100 meters	34.46	16%	0.00	0%	0.00	0%	1.30	1%	35.76	17%
100-500 meters	27.70	25%	0.00	0%	0.00	0%	0.52	<1%	28.22	25%
>500 meters	45.04	22%	0.00	0%	0.00	0%	0.00	0%	45.04	22%
Kelp forest										
Average kelp (area)	1.68	8%	0.00	0%	0.00	0%	0.11	1%	1.78	9%
Kelp*	20.00	11%	0.00	0%	0.00	0%	1.27	1%	21.26	12%

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.