

**California Marine Life Protection Act Initiative  
South Coast Study Region: Round 1 Evaluation  
Staff Summary of Area and Habitats in  
MPA Proposal 0 (existing MPAs)  
Revised April 23, 2009**

**Summary of MPAs by Designation for MPA Proposal 0 (existing MPAs)**

Type of MPA <sup>1</sup>	# of MPAs	Area (mi <sup>2</sup> )	% of Study Region
State Marine Reserve (SMR)	15	161.0	6.9%
State Marine Recreational Managed Area (SMRMA)	0	0.0	0.0%
State Marine Park (SMP)	8	2.7	0.1%
State Marine Conservation Area (SMCA)	19	17.8	0.8%
Undesignated <sup>2</sup>	0	0.0	0.0%
<b>All MPAs combined</b>	<b>42</b>	<b>181.5</b>	<b>7.7%</b>

<sup>1</sup> 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 a marine managed area designation.

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

**Summary of MPAs by Level of Protection for MPA Proposal 0 (existing MPAs)**

Level of Protection (LOP)	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
Very High <sup>3</sup>	15	161.0	6.9%
High	1	0.8	0.0%
Moderate-High	0	0.0	0.0%
Moderate	0	0.0	0.0%
Low <sup>4</sup>	26	19.7	0.8%
<b>Total</b>	<b>42</b>	<b>181.5</b>	<b>7.7%</b>

<sup>3</sup> Note: Includes MPAs with SMR designation and pending military closures that were not assigned a designation

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

**Individual MPAs in MPA Proposal 0 (existing MPAs)**

MPA Name	Size (mi <sup>2</sup> )	Along-shore Span <sup>5</sup> (mi)	Depth Range (ft)
Richardson Rock SMR <sup>5</sup>	40.69	6.3	95 - 558
Judith Rock SMR <sup>5</sup>	4.55	1.2	0 - 487
Harris Point SMR <sup>5</sup>	25.35	5.4	0 - 557
South Point SMR <sup>5</sup>	13.05	3.5	0 - 1071
Carrington Point SMR <sup>5</sup>	12.76	4.0	0 - 211
Skunk Point SMR <sup>5</sup>	1.39	2.2	0 - 83
Painted Cave SMCA <sup>5</sup>	1.78	1.9	0 - 291
Gull Island SMR <sup>5</sup>	19.91	4.8	0 - 2205
Scorpion SMR <sup>5</sup>	9.62	2.6	0 - 769
Footprint SMR <sup>5</sup>	7.05	4.7	171 - 1656
Anacapa Island SMCA <sup>5</sup>	7.30	2.0	0 - 490
Anacapa Island SMR <sup>5</sup>	11.54	3.1	0 - 709
Santa Barbara Island SMR <sup>5</sup>	12.76	1.0	0 - 1655

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<b>MPA Name</b>	<b>Size (mi<sup>2</sup>)</b>	<b>Along-shore Span<sup>5</sup> (mi)</b>	<b>Depth Range (ft)</b>
Refugio SMCA	1.03	2.6	0 - 51
Goleta Slough SMP	0.25	N/A	N/A
Big Sycamore Canyon SMR	2.22	2.5	17 - 130
Abalone Cove SMP	0.10	0.8	0 - 10
Point Fermin SMP	0.07	0.6	0 - 20
Bolsa Chica SMP	0.25	N/A	N/A
Upper Newport Bay SMP	1.10	N/A	N/A
Robert E Badham SMCA	0.02	0.6	0 - 10
Crystal Cove SMCA	1.80	3.1	0 - 136
Irvine Coast SMCA	0.35	3.1	0 - 14
Heisler Park SMR	0.04	0.4	6 - 11
Laguna Beach SMCA	0.53	4.4	0 - 41
South Laguna Beach SMCA	0.05	0.4	0 - 22
Niguel SMCA	0.49	2.0	0 - 53
Dana Point SMCA	0.20	0.8	0 - 34
Doheny SMCA	0.14	1.1	0 - 10
Doheny Beach SMCA	0.19	1.2	0 - 14
Agua Hedionda Lagoon SMR	0.04	N/A	N/A
Batiquitos Lagoon SMP	0.28	N/A	N/A
Encinitas SMCA	0.11	0.9	0 - 10
Cardiff-San Elijo SMCA	1.21	2.1	0 - 59
San Elijo Lagoon SMP	0.44	N/A	N/A
San Dieguito Lagoon SMP	0.19	N/A	N/A
San Diego-Scripps SMCA	0.11	0.5	0 - 10
La Jolla SMCA	0.77	1.1	0 - 214
Mia J Tegner SMCA	0.02	0.6	0 - 10
Catalina Marine Science Center SMR	0.06	0.8	0 - 111
Farnsworth Bank SMCA	1.68	1.2	135 - 403
Lover's Cove SMCA	0.02	0.3	0 - 10

<sup>5</sup> 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.

<sup>6</sup> 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 MPA Proposal 0 (existing MPAs)

Habitat	Area <sup>7</sup> (sq. mi) and Percentage of Mapped Habitat in Proposal									
	SMR <sup>8</sup>		SMRMA		SMP		SMCA		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%
<b>Intertidal</b>										
Sandy or gravel beach*	10.32	3%	0.00	0%	0.86	<1%	16.15	4%	27.34	7%
Rocky shores*	33.16	12%	0.00	0%	0.94	<1%	16.86	6%	50.95	18%
Hardened Shores <sup>*,9</sup>	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%	0.00	0%	3.91	14%	0.00	0%	3.91	14%
<b>Seagrass beds</b>										
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%
<b>Estuary</b>										
Estuary	0.04	<1%	0.00	0%	2.51	6%	0.00	0%	2.55	6%
<b>Soft bottom</b>										
0-30 meters	16.57	4%	0.00	0%	0.03	<1%	3.71	1%	20.31	5%
0-30 meters proxy	24.06	7%	0.00	0%	0.10	<1%	11.55	3%	35.71	10%
30-100 meters	44.48	7%	0.00	0%	0.00	0%	8.14	1%	52.62	8%
100-200 meters	12.83	8%	0.00	0%	0.00	0%	0.32	<1%	13.15	8%
>200 meters	1.49	1%	0.00	0%	0.00	0%	0.00	0%	1.49	1%
<b>Hard bottom</b>										
0-30 meters	4.67	4%	0.00	0%	0.12	<1%	1.38	1%	6.17	6%
0-30 meters proxy	11.30	6%	0.00	0%	0.10	<1%	3.19	2%	14.59	8%
30-100 meters	3.95	8%	0.00	0%	0.00	0%	0.49	1%	4.44	9%
100-200 meters	0.47	12%	0.00	0%	0.00	0%	0.01	<1%	0.48	12%
>200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
<b>Unknown</b>										
0-30 meters	2.29	1%	0.00	0%	2.53	2%	1.95	1%	6.77	4%
30-100 meters	28.34	13%	0.00	0%	0.00	0%	1.30	1%	29.64	14%
100-200 meters	21.03	19%	0.00	0%	0.00	0%	0.52	<1%	21.55	19%
>200 meters	24.90	12%	0.00	0%	0.00	0%	0.00	0%	24.90	12%
<b>Kelp forest</b>										
Average kelp	0.89	4%	0.00	0%	0.02	<1%	0.13	1%	1.04	5%
Kelp*	11.33	6%	0.00	0%	0.12	<1%	1.73	1%	13.17	7%

<sup>7</sup> Note: Habitats measured as an area (mi<sup>2</sup>) except for those with a \* notation. Habitats with a \* notation are expressed in linear units (mi).

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

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

<sup>10</sup> 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.