

**California Marine Life Protection Act Initiative  
South Coast Study Region: Round 2 Evaluation  
Staff Summary of Area and Habitats in  
Revised External Proposal B MPA Proposal  
June 9, 2009**

**Summary of MPAs by Designation for Revised External Proposal B MPA Proposal**

Type of MPA <sup>1</sup>	# of MPAs	Area (mi <sup>2</sup> )	% of Study Region
State Marine Reserve (SMR)	22	230.3	9.8%
State Marine Recreational Managed Area (SMRMA)	1	0.7	0.0%
State Marine Park (SMP)	8	6.1	0.3%
State Marine Conservation Area (SMCA)	17	292.6	12.4%
Undesignated	2	36.7	1.6%
<b>All MPAs combined</b>	<b>50</b>	<b>566.4</b>	<b>24.1%</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 rather a marine managed area designation. The "Undesignated" are the pending military closures.

**Summary of MPAs by Level of Protection for Revised External Proposal B MPA Proposal**

Level of Protection (LOP)	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
Very High <sup>2</sup>	23	231.0	9.8%
High	6	47.1	2.0%
Moderate-High	4	22.3	0.9%
Moderate	0	0.0	0.0%
Low <sup>3</sup>	15	229.2	9.7%
Not applicable <sup>4</sup>	2	36.7	1.6%
<b>Total</b>	<b>50</b>	<b>566.4</b>	<b>24.1%</b>

<sup>2</sup> Note: The "Very High" category includes MPAs with SMR designation, as well as MPAs with a SMRMA designation.

<sup>3</sup> Note: The "Low" category groups together MPAs that are assigned a moderate-low and lower level of protection.

<sup>4</sup> Note: These are the pending military closures. These are not assigned a level of protection.

**Individual MPAs in Revised External Proposal B MPA Proposal**

MPA Name	Size (mi <sup>2</sup> )	Along-shore Span <sup>6</sup> (mi)	Depth Range <sup>7</sup> (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

*California Marine Life Protection Act Initiative, South Coast Study Region  
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<b>MPA Name</b>	<b>Size (mi<sup>2</sup>)</b>	<b>Along-shore Span<sup>6</sup> (mi)</b>	<b>Depth Range<sup>7</sup> (ft)</b>
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
Devereux Lagoon SMR	0.09	N/A	N/A
Goleta Slough SMP	0.25	N/A	N/A
Goleta SMCA	7.85	2.8	56 - 255
Goleta SMR	2.76	2.8	0 - 96
Mugu Lagoon SMRMA	0.74	N/A	N/A
Big Sycamore SMR	18.50	5.1	0 - 1635
Big Sycamore SMP	1.54	2.4	0 - 108
Palos Verdes SMCA	8.77	3.0	115 - 2270
Portuguese Bend SMCA	3.11	3.6	0 - 149
Point Fermin SMP	0.16	0.9	0 - 27
Bolsa Chica SMP	0.25	N/A	N/A
Upper Newport Bay SMP	1.10	N/A	N/A
Laguna Coast SMCA	10.19	3.0	162 - 1584
Laguna SMR	2.68	2.6	0 - 178
Agua Hedionda Lagoon SMR	0.04	N/A	N/A
Batiquitos Lagoon SMP	0.66	N/A	N/A
San Elijo Lagoon SMP	0.44	N/A	N/A
Del Mar SMCA	6.31	3.0	104 - 1057
Del Mar SMR	4.36	3.0	0 - 161
San Dieguito Lagoon SMR	0.52	N/A	N/A
San Diego-Scripps SMCA	0.11	0.5	0 - 10
La Jolla SMCA	0.77	1.1	0 - 214
Ocean Beach SMCA	6.47	3.2	107 - 323
Sunset Cliffs SMR	2.90	1.8	0 - 127
Mia J Tegner SMCA	0.02	0.6	0 - 10
Sweetwater Marsh SMR	0.47	N/A	N/A
South San Diego Bay SMP	1.72	N/A	N/A
Charles F Holder Catalina SMCA	212.79	53.0	0 - 3674
Arrow Pt to Lionhead SMCA	1.14	2.8	0 - 459
Bird Rock SMCA	8.97	2.3	75 - 2616
Catalina Marine Science Center SMR	1.34	2.3	0 - 691
Farnsworth ptA SMCA	15.47	5.2	135 - 3674
Farnsworth ptB SMCA	1.45	2.5	0 - 220
Lover's Cove SMCA	0.02	0.3	0 - 10
Begg Rock SMR	37.96	6.9	219 - 374
San Clemente Island Pending Military Closure 1	17.44	3.9	0 - 1682
San Clemente Island Pending Military Closure 2	19.24	5.4	0 - 3938

<sup>5</sup> Note: State MPAs around the Northern Channel Islands 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.

<sup>7</sup> *Note: Comprehensive bathymetric data for all estuaries is not available. Though bathymetric data do exist in portions of some estuaries, depth ranges are not provided for estuarine MPAs for consistency in evaluations.*

**Habitat Representation in Revised External Proposal B MPA Proposal**

Habitat <sup>8</sup>	SMR		SMRMA		SMP		SMCA		Undesignated		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
<b>Intertidal</b>												
Sandy or gravel beach*	21.56	6%	1.00	<1%	2.82	1%	43.79	12%	6.04	2%	75.22	20%
Rocky shores*	38.60	14%	0.00	0%	0.83	<1%	42.38	15%	1.82	1%	83.63	30%
Hardened shores*	2.58	1%	0.05	<1%	5.17	2%	1.58	1%	0.11	<1%	9.49	3%
Coastal marsh*	1.33	2%	5.77	10%	17.01	29%	0.00	0%	0.00	0%	24.11	41%
Coastal marsh	0.35	6%	0.33	5%	1.38	23%	0.00	0%	0.00	0%	2.05	34%
Tidal flats*	1.13	4%	0.79	3%	4.04	14%	0.72	3%	0.00	0%	6.67	23%
<b>Seagrass beds</b>												
Surfgrass*	18.94	26%	0.00	0%	0.90	1%	19.94	28%	3.09	4%	42.87	59%
Eelgrass	0.09	2%	0.00	0%	0.74	16%	0.00	0%	0.00	0%	0.83	18%
<b>Estuarine</b>												
Estuary	1.13	3%	0.74	2%	4.42	10%	0.00	0%	0.00	0%	6.29	15%
<b>Soft bottom</b>												
0-30 meters	25.67	6%	0.00	0%	1.32	0%	10.23	2%	0.01	<1%	37.23	9%
0-30 meters proxy*. <sup>9</sup>	34.45	10%	0.00	0%	1.87	1%	42.92	12%	1.30	<1%	80.54	22%
30-100 meters	75.13	11%	0.00	0%	0.05	<1%	76.43	11%	0.96	<1%	152.57	23%
100-200 meters	28.35	18%	0.00	0%	0.00	0%	44.56	28%	0.00	0%	72.91	46%
>200 meters	5.93	3%	0.00	0%	0.00	0%	141.3 8	60%	0.00	0%	147.32	63%
<b>Hard bottom</b>												
0-30 meters	7.81	7%	0.00	0%	0.18	<1%	4.18	4%	1.79	2%	13.96	12%
0-30 meters proxy*. <sup>9</sup>	16.52	9%	0.00	0%	0.23	<1%	24.00	13%	7.02	4%	47.77	25%
30-100 meters	8.21	17%	0.00	0%	0.00	0%	2.11	4%	1.07	2%	11.40	24%
100-200 meters	0.55	14%	0.00	0%	0.00	0%	0.33	8%	0.00	0%	0.87	22%
>200 meters	0.00	0%	0.00	0%	0.00	0%	1.14	53%	0.00	0%	1.14	53%
<b>Unknown</b>												
0-30 meters	4.25	3%	0.74	<1%	4.58	3%	2.09	1%	0.46	<1%	12.11	8%
30-100 meters	28.44	13%	0.00	0%	0.00	0%	4.71	2%	5.89	3%	39.04	18%
100-200 meters	21.03	19%	0.00	0%	0.00	0%	0.86	1%	6.42	6%	28.31	25%

Habitat <sup>8</sup>	SMR		SMRMA		SMP		SMCA		Undesignated		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
>200 meters	24.90	12%	0.00	0%	0.00	0%	4.52	2%	20.08	10%	49.50	25%
<b>Kelp forest</b>												
Maximum kelp*	31.08	9%	0.00	0%	1.29	<1%	46.24	14%	8.43	3%	87.04	26%
Kelp persistence*	15.52	8%	0.00	0%	0.74	<1%	22.26	12%	7.02	4%	45.53	25%

<sup>8</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>9</sup> 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.