

**California Marine Life Protection Act Initiative  
South Coast Study Region  
Preliminary Staff Summary of Area and Habitats in  
Draft External Proposal C  
February 27, 2009**

*Note: For this preliminary summary of basic area and habitat statistics, the results are based on best available, coarse-scale substrate data. Future analyses will use more detailed, fine-scale data. Also for this analysis, information on levels of protection is not available.*

**Overall Summary for Draft External Proposal C**

Type of MPA <sup>1</sup>	# of MPAs	Area (mi <sup>2</sup> )	% of Study Region
State Marine Reserve (SMR)	41	721.5	30.7%
State Marine Recreational Managed Area (SMRMA)	0	0	0.0%
State Marine Park (SMP)	3	32.1	1.4%
State Marine Conservation Area (SMCA)	3	21.8	0.9%
<b>All MPAs combined</b>	<b>47</b>	<b>775.4</b>	<b>33.0%</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.

**Individual MPAs in Draft External Proposal C**

MPA Name	Size (mi <sup>2</sup> )
Richardson Rock SMR <sup>2</sup>	40.6
Judith Rock SMR <sup>2</sup>	4.5
Harris Point SMR <sup>2</sup>	25.3
South Point SMR <sup>2</sup>	13.0
Carrington Point SMR <sup>2</sup>	12.8
Skunk Point SMR <sup>2</sup>	1.4
Painted Cave SMCA <sup>2</sup>	1.8
Gull Island SMR <sup>2</sup>	19.9
Scorpion SMR <sup>2</sup>	9.6
Footprint SMR <sup>2</sup>	7.0
Anacapa Island SMCA <sup>2</sup>	7.3
Anacapa Island SMR <sup>2</sup>	11.5
Santa Barbara Island SMR <sup>2</sup>	12.8
Pt Conception SMR	25.6
Tajiguas SMR	4.0
Refugio SMP	4.6
Goleta SMR	33.6
Devereux Slough SMR	0.1
Goleta Slough SMR	0.3
Carpinteria SMR	17.9
Carpinteria Salt Marsh SMR	0.3
Pt Mugu SMCA	12.7
Mugu Lagoon SMR	0.7
Lechuza SMP	16.0
Malibu SMR	31.9

MPA Name	Size (mi <sup>2</sup> )
Palos Verdes SMR	30.0
Bolsa Chica SMR	0.6
Newport Bay SMR	3.0
Orange County SMR	49.7
Agua Hedionda SMR	0.4
Batiquitos Lagoon SMR	0.6
Cardiff SMR	13.1
San Elijo Lagoon SMR	0.4
La Jolla SMR	23.8
Pt Loma SMR	12.8
San Diego Bay SMP	11.5
Imperial Beach SMR	12.4
Tijuana Estuary SMR	0.7
Begg Rock SMR	37.9
West San Nicolas SMR	66.1
Land's End SMR	17.4
Catalina North SMR	19.2
Farnsworth Bank SMR	27.0
Long Pt SMR	15.4
North End SMR	47.6
China Point SMR	41.6
Pyramid Head SMR	28.7

<sup>2</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.

### Habitat Representation<sup>3</sup> in Draft External Proposal C

Habitat Type	Area <sup>4</sup> (sq. mi) and Percentage of Mapped Habitat in Proposal									
	SMR		SMRMA		SMP		SMCA		Total MPAs	
	Area	Area	Area	%	Area	%	Area	%	Area	%
<b>Intertidal</b>										
Sandy or gravel beach*	55.83	15%	0.00	0%	7.19	2%	1.55	< 1%	64.57	17%
Rocky intertidal & cliff*	84.28	30%	0.00	0%	1.43	1%	5.74	2%	91.45	33%
Hardened Shores*	20.14	7%	0.00	0%	25.46	9%	0.24	< 1%	45.84	15%
Coastal marsh*	33.58	56%	0.00	0%	1.36	2%	0.00	0%	34.95	59%
Tidal flats*	11.74	41%	0.00	0%	1.65	6%	0.00	0%	13.39	47%
<b>Seagrass beds</b>										
Surfgrass* <sup>5</sup>	NA		NA		NA		NA		NA	
Eelgrass <sup>5</sup>	NA		NA		NA		NA		NA	
<b>Estuary</b>										
Estuary <sup>5</sup>	NA		NA		NA		NA		NA	
<b>Soft bottom</b>										
0-30 meters	65.04	13%	0.00	0%	2.32	< 1%	3.29	1%	70.65	14%
0-30 meters*	76.05	21%	0.00	0%	6.86	2%	5.01	1%	87.92	24%
30-100 meters	225.75	28%	0.00	0%	10.68	1%	10.79	1%	247.22	30%
100-200 meters	66.03	45%	0.00	0%	1.68	1%	2.62	2%	70.33	48%

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	SMR		SMRMA		SMP		SMCA		Total MPAs	
	Area	Area	Area	%	Area	%	Area	%	Area	%
>200 meters	132.24	42%	0.00	0%	2.29	1%	4.42	1%	138.95	44%
<b>Hard bottom</b>										
0-30 meters	67.28	42%	0.00	0%	1.56	1%	0.41	< 1%	69.24	43%
0-30 meters*	87.60	44%	0.00	0%	0.00	0%	3.95	2%	91.55	46%
30-100 meters	90.04	49%	0.00	0%	1.71	1%	0.08	< 1%	91.83	50%
100-200 meters	33.49	45%	0.00	0%	0.37	< 1%	0.00	0%	33.86	45%
>200 meters	30.77	32%	0.00	0%	0.00	0%	0.00	0%	30.77	32%
<b>Substrate &lt; 50 m deep</b>										
Hard substrate <sup>5</sup>	NA		NA		NA		NA		NA	
Soft substrate <sup>5</sup>	NA		NA		NA		NA		NA	
<b>Kelp forest</b>										
Kelp*	87.74	44%	0.00	0%	2.85	1%	0.00	0%	90.59	46%

<sup>3</sup> Note: The results from these preliminary analyses are based on coarse-scale substrate data. Future analyses will be conducted using more detailed, fine-scale data.

<sup>4</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>5</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.