

California Marine Life Protection Act Initiative
South Coast Study Region
Staff Summary of Area and Habitats in Existing MPAs (Entire Study Region)
September 10, 2008

Overall Summary for Existing MPAs (Entire Study Region)

Type of MPA ^{1,2}	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	15	157.1	6.7%
State Marine Park (SMP)	8	2.8	0.1%
State Marine Conservation Area (SMCA)	19	21.6	0.9%
All MPAs combined	42	181.5	7.7%

¹ Note: These are existing marine protected area (MPA) designations, NOT levels of protection assigned by the Master Plan Science Advisory Team (SAT).

² Note: SMCA = state marine conservation area, SMP= state marine park, and SMR = state marine reserve.

Summary of MPAs by Level of Protection for Existing MPAs (Entire Study Region)

Level of Protection (LOP)	# of MPAs	Area (mi ²)	% of Study Region
Very High	15	157.1	6.7%
High	0	0.0	0.0%
Moderate-High	1	0.8	< 0.1%
Moderate	0	0.0	0.0%
Low ³	26	23.7	1.0%
Total	42	181.5	7.7%

³ Note: The Low category groups together MPAs that are assigned a moderate-low or low LOP.

Individual MPAs in Existing MPAs (Entire Study Region)

MPA Name	Size (mi ²)	Along-shore span ⁴ (mi)	Depth range (ft)
Refugio SMCA	1.04	2.6	0-51
Goleta Slough SMP	0.34	1.9	0-10
Big Sycamore Canyon SMR	2.44	2.4	0-130
Abalone Cove SMP	0.10	0.8	0-10
Point Fermin SMP	0.07	0.6	0-20
Bolsa Chica SMP	0.49	2.3	N/A
Upper Newport Bay SMP	0.99	1.1	N/A
Robert E Badham SMCA	0.02	0.6	N/A
Crystal Cove SMCA	1.46	3.1	12-136
Irvine Coast SMCA	0.35	3.1	0-14
Heisler Park SMR	0.04	0.4	6-11
Laguna Beach SMCA	0.39	4.2	0-17
South Laguna Beach SMCA	0.05	0.4	0-22
Niguel SMCA	0.51	2.0	0-53
Dana Point SMCA	0.20	0.5	0-34
Doheny SMCA	0.19	1.1	0-14
Doheny Beach SMCA	0.15	1.2	0-10
Agua Hedionda Lagoon SMR	0.01	0.4	N/A
Batiquitos Lagoon SMP	0.29	0.6	0-10
Encinitas SMCA	0.11	0.9	0-10

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Cardiff-San Elijo SMCA	1.23	2.2	0-59
San Elijo Lagoon SMP	0.39	0.9	N/A
San Dieguito Lagoon SMP	0.17	0.7	N/A
San Diego-Scripps SMCA	0.11	0.5	0-10
La Jolla SMCA	0.77	1.4	0-214
Mia J Tegner SMCA	0.02	0.5	0-10
Richardson Rock SMR	40.75	2.8	95-558
Judith Rock SMR	4.55	1.3	0-487
Harris Point SMR	25.34	4.8	0-557
South Point SMR	13.05	3.6	0-1071
Carrington Point SMR	12.76	2.4	0-211
Skunk Point SMR	1.39	2.2	0-83
Painted Cave SMCA	1.78	2.0	0-291
Gull Island SMR	19.91	3.4	0-2205
Scorpion SMR	9.63	2.6	0-769
Footprint SMR	7.05	1.9	171-1656
Anacapa Island SMCA	11.54	2.1	0-490
Anacapa Island SMR	7.30	3.2	0-709
Santa Barbara Island SMR	12.77	0.8	0-1655
Catalina Marine Science Center SMR	0.06	0.7	0-111
Farnsworth Bank SMCA	1.66	1.1	135-344
Lover's Cove SMCA	0.02	0.3	0-10

⁴ Note: Alongshore span measured as direct line from one end of the MPA to the other.

Habitat Representation in Existing MPAs (Entire Study Region)

Habitat	Area ⁵ (mi ²) and percentage of mapped habitat in existing MPA designations in the study region ⁶			
	SMR	SMP	SMCA	Total MPAs
Intertidal				
Sandy or gravel beach *	11.61 (3%)	0.89 (< 1%)	13.22 (3%)	25.73 (7%)
Rocky intertidal & cliff *	33.18 (12%)	0.82 (< 1%)	15.31 (5%)	49.31 (18%)
Coastal marsh	0.00 (0%)	1.35 (43%)	0.00 (0%)	1.35 (43%)
Tidal flats*	0.00 (0%)	2.76 (10%)	0.00 (0%)	2.76 (10%)
Seagrass beds				
Surfgrass*	14.24 (19%)	0.00 (0%)	1.29 (2%)	15.53 (21%)
Eelgrass	0.00 (0%)	0.00 (0%)	0.00 (0%)	0.00 (0%)
Estuary				
Estuary	0.01 (< 1%)	2.29 (6%)	0.00 (0%)	2.31 (6%)
Soft bottom				
0-30 meters* ⁷	NA	NA	NA	NA
30-100 meters	67.10 (9%)	0.00 (0%)	6.59 (1%)	73.69 (9%)
100-200 meters	22.61 (16%)	0.00 (0%)	0.23 (< 1%)	22.84 (16%)
>200 meters ⁸	23.42 (7%)	0.00 (0%)	0.00 (0%)	23.42 (7%)
Hard bottom				
0-30 meters* ⁷	NA	NA	NA	NA
30-100 meters	16.20 (8%)	0.00 (0%)	1.65 (1%)	17.86 (9%)
100-200 meters	6.33 (6%)	0.00 (0%)	1.61 (2%)	7.94 (8%)
>200 meters	1.98 (2%)	0.00 (0%)	0.00 (0%)	1.98 (2%)
Substrate < 50 m deep				

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Hard substrate	13.79 (6%)	0.09 (< 1%)	3.35 (1%)	17.24 (8%)
Soft substrate	19.47 (3%)	0.04 (< 1%)	3.69 (1%)	23.20 (3%)
Kelp forest				
Kelp 1989	0.70 (4%)	0.02 (<1%)	0.33 (2%)	1.05 (6%)
Kelp 1999	0.40 (3%)	0.02 (<1%)	0.05 (< 1%)	0.47 (4%)
Kelp 2002	0.49 (4%)	0.00 (0%)	0.19 (1%)	0.68 (5%)
Kelp 2003	0.82 (3%)	0.00 (0%)	0.22 (1%)	1.04 (4%)
Kelp 2004	1.50 (5%)	0.01 (<1%)	0.07 (< 1%)	1.58 (5%)
Kelp 2005	1.66 (5%)	0.03 (<1%)	0.06 (< 1%)	1.75 (6%)
Average Kelp*	14.20 (7%)	0.00 (0%)	2.45 (1%)	16.65 (8%)

⁵ Note: Habitats measured as an area (mi²) except for those with a * notation. Habitats with a * notation are expressed in linear units (mi).

⁶ Note: These are existing MPA designations, NOT levels of protection assigned by the SAT

⁷ Note: The "NA" notation is due to the fact that these habitats are not found or are only found in small areas in this study region.

Special Closures in Existing MPAs (Entire Study Region)

Geography	Boundary	Area (mi ²)	Seasonality	Species Intended to Protect
San Miguel Island Special Closure	A line drawn between Judith Rock (34° 01.50' N. lat. 120° 23.30' W. long.) and Castle Rock (34° 03.30' N. lat. 120° 26.30' W. long.)	1.27	Seasonal	Boating prohibited within 300 yards from shore between Castle Rock and Judith Rock except as noted. Boats may approach no nearer than 100 yards from shore during the period(s) from March 15 through April 30, and October 1 through December 15. Commercial Sea Urchin Permittees may enter the portion of the closed area between the western boundary of the Judith Rock SMR and Castle Rock for the purpose of taking urchins.
Anacapa Island Special Closure	A line extending 000° True off Portuguese Rock (34° 00.91' N. lat. 119° 25.26' W. long.) to a line extending 000° True off the western edge of Frenchy's Cove (34° 00.417' N. lat. 119° 24.600' W. long.), a distance of approximately 4,000 feet.	0.95	Seasonal	No entry January 1 to October 31. No commercial nets or traps shallower than 20 feet around entire island.
Arrow Point to Lion Head Point Special Closure	33° 28.64' N. lat. 118° 32.33' W. long.; 33° 28.82' N. lat. 118° 32.33' W. long.; 33° 27.25' N. lat. 118° 29.90' W. long.; and 33° 27.18' N. lat. 118° 30.07' W. long.	0.64	Year round	Prohibits all recreational take except marine aquatic plants and fishes. Allows all commercial take, though other species and gear restrictions apply.