

**Marine Life Protection Act Initiative
North Central Coast Project
Staff Summary of Area and Habitats in Draft Proposal 1 (EC)
February 1, 2008**

Overall Summary for Draft Proposal 1 (EC) (12/12/07 version)

Type of MPA ¹	# Proposed	Area (mi ²)	% of Study Region
State Marine Reserve (SMR) ²	15	96.28	12.62%
State Marine Park (SMP)	2	1.65	0.22%
State Marine Conservation Area (SMCA)	9	92.85	12.17%
All MPAs combined	26	190.78	25.00%

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

² Note: The SMR category groups together MPAs that are designated as SMR or SMRMA.

Summary of SMCAs by Protection Level for Draft Proposal 1 (EC) (12/12/07 version)

SMCA Protection Level	# Proposed	Area (mi ²)	% of Study Region
High Protection	3	31.82	4.17%
Moderate-High Protection	4	41.34	5.42%
Moderate Protection	1	14.19	1.86%
Low Protection	1	5.50	0.72%
All SMCAs combined	9	92.85	12.17%

Individual MPAs in Draft Proposal 1 (EC) (12/12/07 version)

MPA Name	Size (mi ²)	Along-shore span (mi) ^A	Depth range (ft)
Point Arena SMR	2.57	3.0	0-122
Point Arena SMCA	9.42	3.0	59-324
Saunders Reef inshore SMCA	5.50	3.7	0-167
Saunders Reef offshore SMCA	7.79	3.7	143-278
Del Mar Landing SMP	0.09	0.3	0-55
Sea Ranch to Salt Point SMR	37.15	9.5	0-298
Salt Point SMP	1.56	1.9	0-226
Russian River SMR	0.68	2.4	0-43
Bodega Head SMR	6.94	4.0	0-199
Bodega Head SMCA	10.13	4.5	111-266
Estero de Americano SMRMA	0.14	1.2	0-10
Estero De San Antonio SMRMA	0.08	0.7	0-10
Clam Island SMRMA	0.22	0.3	0-15
Tomales Bay South SMRMA	1.47	2.5	0-10
Point Reyes Headland SMR	5.56	3.7	0-139
Point Reyes Headland SMCA	10.42	3.7	57-217
Drakes - Limantour Estero SMR	3.96	7.2	0-10
Double Point SMR	4.01	4.1	0-92
Double Point SMCA	11.02	4.1	62-150
Duxbury Reef SMCA	14.19	3.8	0-146
Bolinas Lagoon SMR	1.74	2.3	0-10

Fitzgerald SMR	10.33	3.7	0-163
Devil's Slide SMCA	10.48	3.4	0-125
N Farallon Island SMR	17.66	NA	0-275
SE Farallon SMR	3.78	NA	0-188
SE Farallon SMCA	13.90	NA	129-382

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

Habitat Representation in Draft Proposal 1 (EC) (12/12/07 version)

Habitat	Area ¹ (mi ²) and percentage of mapped habitat in proposed MPA designations in the study region ²			
	SMR ³	SMP	SMCA	Total MPAs
Intertidal				
Sandy / gravel beach	17.89 (15%)	0.44 (0%)	4.42 (4%)	22.76 (19%)
Rocky intertidal & cliff	49.24 (30%)	3.83 (2%)	11.65 (7%)	64.72 (39%)
Coastal marsh	35.48 (69%)	0.00 (0%)	0.00 (0%)	35.48 (69%)
Tidal flats	9.69 (53%)	0.00 (0%)	0.00 (0%)	9.69 (53%)
Seagrass beds: Surfgrass	18.63 (27%)	0.00 (0%)	7.21 (11%)	25.84 (38%)
Seagrass beds: Eelgrass	3.89 (64%)	0.00 (0%)	0.00 (0%)	3.89 (64%)
Estuary	7.76 (40%)	0.00 (0%)	0.00 (0%)	7.76 (40%)
Soft bottom				
0-30 meters	13.52 (9%)	0.01 (0%)	8.26 (6%)	21.79 (15%)
30-100 meters	57.69 (14%)	0.36 (0%)	63.18 (15%)	121.22 (29%)
100-200 meters ⁴	NA	NA	NA	NA
>200 meters ⁴	NA	NA	NA	NA
Hard bottom				
0-30 meters	6.66 (20%)	0.44 (1%)	4.62 (14%)	11.73 (34%)
30-100 meters	8.07 (16%)	0.53 (1%)	5.58 (11%)	14.18 (27%)
100-200 meters ⁴	NA	NA	NA	NA
>200 meters ⁴	NA	NA	NA	NA
Kelp forest				
Kelp 1989	0.69 (22%)	0.14 (4%)	0.62 (19%)	1.45 (45%)
Kelp 1999	0.29 (16%)	0.04 (3%)	0.23 (13%)	0.56 (32%)
Kelp 2002	0.64 (35%)	0.19 (10%)	0.01 (0%)	0.83 (45%)
Kelp 2003	0.23 (19%)	0.02 (2%)	0.19 (16%)	0.44 (37%)
Kelp 2004	0.25 (18%)	0.08 (6%)	0.16 (11%)	0.49 (35%)
Kelp 2005	0.08 (10%)	0.00 (0%)	0.23 (26%)	0.31 (35%)
Average kelp	0.36 (21%)	0.08 (5%)	0.24 (14%)	0.68 (40%)

¹ Note: Area expressed as m² except for Intertidal habitats and Surfgrass bed, which are expressed in mi.

² Note: These are proposed MPA designations, NOT levels of protection assigned by the SAT

³ Note: The SMR category groups together MPAs that are designated as SMR or SMRMA.

⁴ 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.