

**Marine Life Protection Act Initiative
North Central Coast Project
Staff Summary of Area and Habitats in Draft Proposal 2 (JD)
February 1, 2008**

Overall Summary for Draft Proposal 2 (JD) (12/12/07 version)

Type of MPA ¹	# Proposed	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	11	33.11	4.34%
State Marine Park (SMP)	2	3.48	0.46%
State Marine Conservation Area (SMCA)	9	98.76	12.94%
All MPAs combined	22	135.35	17.74%

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

Summary of SMCAs by Protection Level for Draft Proposal 2 (JD) (12/12/07 version)

SMCA Protection Level	# Proposed	Area (mi ²)	% of Study Region
High Protection	1	9.92	1.30%
Moderate-High Protection	6	83.77	10.98%
Moderate Protection	0	0.00	0.00%
Low Protection	2	5.07	0.66%
All SMCAs combined	9	98.76	12.94%

Individual MPAs in Draft Proposal 2 (JD) (12/12/07 version)

MPA Name	Size (mi ²)	Along-shore span (mi) ^A	Depth range (ft)
Point Arena SMR	5.23	3.4	0-175
Point Arena SMCA	7.60	3.4	153-324
Saunders Reef Inshore SMCA	4.21	3.7	0-130
Saunders Reef Offshore SMCA	9.19	3.7	87-276
Black Point SMR	6.45	4.3	0-223
Black Point SMCA	11.71	4.3	198-298
Salt Point SMP	2.82	5	0-153
Gerstle Cove SMR	0.01	0.2	0-10
Russian River SMR	0.35	1	0-10
Russian River SMCA	0.86	1.8	0-57
Bodega Head SMR	5.60	3.9	0-199
Bodega Head SMCA	18.88	6.7	0-267
Estero Americano SMR	0.15	1.2	0-10
Estero de San Antonio SMR	0.09	1.2	0-10
Tomales Bay SMP	0.66	1.6	0-10
Point Reyes SMR	3.18	4.2	0-118
Point Reyes SMCA	28.19	7.6	0-244
Drakes Bay SMR	4.02	7.2	0-10
Fitzgerald SMR	5.00	3.4	0-131
Fitzgerald SMCA	8.20	3.4	87-172
South East Farallon Island SMR	3.03	NA	0-238
South East Farallon Island SMCA	9.92	NA	161-382

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

Habitat Representation in Draft Proposal 2 (JD) (12/12/07 version)

	Area ¹ (mi ²) and percentage of mapped habitat in proposed MPA designations in the study region ²			
Habitat	SMR	SMP	SMCA	Total MPAs
Intertidal				
Sandy or gravel beach	7.91 (7%)	1.14 (1%)	5.23 (4%)	14.28 (12%)
Rocky intertidal & cliff	32.4 (19%)	7.60 (5%)	6.33 (4%)	46.33 (28%)
Coastal marsh	21.7 (42%)	6.10 (12%)	0.00 (0%)	27.80 (54%)
Tidal flats	5.71 (31%)	0.15 (1%)	0.00 (0%)	5.86 (32%)
Seagrass beds: Surfgrass	13.13 (19%)	0.00 (0%)	0.69 (1%)	13.81 (20%)
Seagrass beds: Eelgrass	3.78 (62%)	0.00 (0%)	0.00 (0%)	3.78 (62%)
Estuary	4.42 (23%)	0.64 (3%)	0.00 (0%)	5.06 (26%)
Soft bottom				
0-30 meters	7.23 (5%)	0.70 (0%)	1.17 (1%)	9.10 (6%)
30-100 meters	10.56 (3%)	0.51 (0%)	74.50 (18%)	85.56 (21%)
100-200 meters ³	NA	NA	NA	NA
>200 meters ³	NA	NA	NA	NA
Hard bottom				
0-30 meters	4.40 (13%)	1.05 (3%)	2.74 (8%)	8.19 (24%)
30-100 meters	5.17 (10%)	0.67 (1%)	9.12 (17%)	14.97 (29%)
100-200 meters ³	NA	NA	NA	NA
>200 meters ³	NA	NA	NA	NA
Kelp forest				
Kelp 1989	0.33 (10%)	0.32 (10%)	0.67 (21%)	1.31 (41%)
Kelp 1999	0.17 (9%)	0.11 (6%)	0.29 (16%)	0.56 (32%)
Kelp 2002	0.13 (7%)	0.42 (23%)	0.00 (0%)	0.55 (30%)
Kelp 2003	0.10 (8%)	0.10 (8%)	0.20 (16%)	0.39 (33%)
Kelp 2004	0.10 (7%)	0.17 (12%)	0.17 (12%)	0.44 (31%)
Kelp 2005	0.09 (11%)	0.03 (4%)	0.23 (26%)	0.36 (40%)
Average kelp	0.15 (9%)	0.19 (11%)	0.26 (15%)	0.60 (35%)

¹ Note: Area expressed as mi² 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 "NA" notation is due to the fact that these habitats are not found or are only found in small areas in this study region.