Marine Life Protection Act Initiative
North Central Coast Project
Staff Summary of Area and Habitats in Draft Proposal 3 (TC)
February 1, 2008

Overall Summary for Draft Proposal 3 (TC) *(12/12/07 version)*

Type of MPA[1]	# Proposed	Area (mi^2)	% of Study Region
State Marine Reserve (SMR)	14	78.07	10.23%
State Marine Park (SMP)	2	7.26	0.95%
State Marine Conservation Area (SMCA)	14	168.82	22.13%
All MPAs combined	30	254.15	33.31%

[1] *Note: These are proposed marine protected area (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 3 (TC) *(12/12/07 version)*

SMCA Protection Level	# Proposed	Area (mi^2)	% of Study Region
High Protection	4	34.27	4.49%
Moderate-High Protection	6	69.97	9.17%
Moderate Protection	0	0.00	0.00%
Low Protection	4	64.58	8.46%
All SMCAs combined	14	168.82	22.13%

Individual MPAs in Draft Proposal 3 (TC) *(12/12/07 version)*

MPA Name	Size (mi^2)	Along-shore span (mi)[A]	Depth range (ft)
Point Arena SMR	4.67	3.4	0-180
Point Arena SMCA	7.65	3.4	153-324
Saunder's Reef inshore SMCA	5.50	3.9	0-165
Saunder's Reef offshore SMCA	7.78	3.9	143-278
Del Mar Landing SMP	0.09	0.3	0-55
Black Point SMR	11.88	6.5	0-240
Salt Point SMP	7.17	4.2	0-240
Black Salt SMCA	21.10	10.7	231-300
Gerstle Cove SMCA	0.01	0.2	0-10
Russian River SMCA	9.55	8	0-120
Charter Beach SMCA	0.25	1.4	0-12
Bodega Head SMR	13.76	5	0-258
Bodega Head SMCA	5.74	5	192-266
Estero de Americano SMR	0.15	1.2	0-10
Estero De San Antonio SMR	0.11	1.2	0-10
Tomales Bay SMR	1.51	2.5	0-10
Point Reyes SMR	8.49	4.5	0-139
Point Reyes SMCA	13.20	4.5	51-217
Drakes Estero SMR	4.05	7.2	0-10
Duxbury SMR	5.11	4.3	0-92
Duxbury SMCA	11.91	4.3	75-150
Bolinas Lagoon SMR	1.74	2.3	0-10
Moss Beach SMR	10.08	4.9	0-150
Moss Beach SMCA	8.48	4.9	98-170
Pescadero Estuary SMR	0.06	1.2	0-10
N Farallon SMR	11.00	NA	0-275
N Farallon SMCA	7.04	NA	218-261

SE Farallon SMR	5.45	NA	0-199
SE Farallon SMCA	11.80	NA	171-382
Farallones SMCA	58.81	NA	78-372

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

Habitat Representation in Draft Proposal 3 (TC) *(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	17.92 (15%)	0.62 (1%)	6.89 (6%)	25.44 (21%)
Rocky intertidal & cliff	42.77 (26%)	6.79 (4%)	13.00 (8%)	62.56 (37%)
Coastal marsh	37.62 (73%)	0.00 (0%)	2.27 (4%)	39.89 (78%)
Tidal flats	9.73 (53%)	0.00 (0%)	0.00 (0%)	9.73 (53%)
Seagrass beds: Surfgrass	20.36 (30%)	0.00 (0%)	1.59 (2%)	21.95 (32%)
Seagrass beds: Eelgrass	3.91 (65%)	0.00 (0%)	0.00 (0%)	3.91 (65%)
Estuary	7.35 (38%)	0.00 (0%)	0.34 (2%)	7.69 (40%)
Soft bottom				
0-30 meters	14.75 (10%)	0.05 (0%)	4.47 (3%)	19.27 (13%)
30-100 meters	32.04 (8%)	4.91 (1%)	140.04 (34%)	176.98 (43%)
100-200 meters[3]	NA	NA	NA	NA
>200 meters[3]	NA	NA	NA	NA
Hard bottom				
0-30 meters	6.96 (20%)	0.91 (3%)	1.96 (6%)	9.82 (29%)
30-100 meters	11.51(22%)	0.86 (2%)	10.40 (20%)	22.77 (44%)
100-200 meters[3]	NA	NA	NA	NA
>200 meters[3]	NA	NA	NA	NA
Kelp forest				
Kelp 1989	0.41 (13%)	0.28 (9%)	0.62 (19%)	1.31 (41%)
Kelp 1999	0.18 (10%)	0.08 (5%)	0.23 (13%)	0.49 (28%)
Kelp 2002	0.38 (21%)	0.33 (18%)	0.09 (5%)	0.80 (44%)
Kelp 2003	0.13 (11%)	0.08 (6%)	0.19 (16%)	0.40 (33%)
Kelp 2004	0.12 (8%)	0.11 (8%)	0.16 (12%)	0.39 (28%)
Kelp 2005	0.01 (1%)	0.03 (3%)	0.23 (25%)	0.27 (30%)
Average kelp	0.20 (12%)	0.15 (9%)	0.25 (15%)	0.61 (35%)

[1] *Note: Area expressed as mi^2 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.*