

**Marine Life Protection Act Initiative  
North Central Coast Project  
Staff Summary of Area and Habitats in Draft Proposal 4 (JC)  
February 1, 2008**

**Overall Summary for Draft Proposal 4 (JC) (12/12/07 version)**

Type of MPA <sup>1</sup>	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
State Marine Reserve (SMR) <sup>2</sup>	15	119.18	15.62%
State Marine Park (SMP)	1	2.11	0.28%
State Marine Conservation Area (SMCA)	9	93.86	12.30%
<b>All MPAs combined</b>	<b>25</b>	<b>215.16</b>	<b>28.20%</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 (SAT).

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

**Summary of SMCAs by Protection Level for Draft Proposal 4 (JC) (12/12/07 version)**

SMCA Protection Level	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
High Protection	3	28.80	3.77%
Moderate-High Protection	4	45.84	6.01%
Moderate Protection	1	14.35	1.88%
Low Protection	1	4.87	0.64%
<b>All SMCAs combined</b>	<b>9</b>	<b>93.86</b>	<b>12.30%</b>

**Individual MPAs in Draft Proposal 4 (JC) (12/12/07 version)**

MPA Name	Size (mi <sup>2</sup> )	Along-shore span (mi) <sup>A</sup>	Depth range (ft)
Point Arena SMR	5.44	3.0	0-173
Point Arena SMCA	6.95	3.0	153-324
Sea Lion Cove SMR	0.12	NA	0-34
Saunders Reef SMCA	4.87	3.7	0-167
Saunders Reef SMCA (offshore)	8.48	3.7	131-278
Del Mar Landing SMR	0.09	0.3	0-55
Black to Salt Point SMR	36.26	9.6	0-300
Salt Point SMP	2.11	1.6	0-241
Gerstle Cove SMR	0.01	0.2	0-10
Russian River SMR	1.28	2.7	0-59
Bodega SMR	14.35	5.2	0-258
Bodega SMCA	9.84	6.7	113-267
Tomales Bay SMRMA	1.47	2.5	0-10
Point Reyes SMR	4.83	4.4	0-132
Point Reyes SMCA	13.19	4.4	51-217
Drakes Estero SMR	4.04	7.2	0-10
Double Point SMR	3.81	4.1	0-90
Double Point SMCA	11.04	4.1	62-150
Duxbury SMCA	14.35	3.5	0-146
Fitzgerald - Devils Slide SMR	14.10	7.3	0-150
Fitzgerald - Devils Slide SMCA	13.13	7.3	92-172

San Gregorio SMR	12.53	3.4	0-140
Farallon North SMR	11.69	NA	0-275
Southeast Farallon SMR	9.16	NA	0-284
Southeast Farallon SMCA	12.01	NA	160-382

<sup>A</sup> Note: Alongshore span measured as direct line from one end of the MPA to the other.

### Habitat Representation in Draft Proposal 4 (JC) (12/12/07 version)

Habitat	Area <sup>1</sup> (mi <sup>2</sup> ) and percentage of mapped habitat in proposed MPA designations in the study region <sup>2</sup>			
	SMR <sup>3</sup>	SMP	SMCA	Total MPAs
<b>Intertidal</b>				
Sandy / gravel beach	21.50 (18%)	0.24 (0%)	0.92 (1%)	22.67 (19%)
Rocky intertidal & cliff	55.74 (33%)	2.53 (2%)	8.91 (5%)	67.18 (40%)
Coastal marsh	28.19 (55%)	0.00 (0%)	0.00 (0%)	28.19 (55%)
Tidal flats	5.55 (30%)	0.00 (0%)	0.00 (0%)	5.55 (30%)
<b>Seagrass beds: Surfgrass</b>	23.23 (34%)	0.00 (0%)	3.19 (5%)	26.42 (38%)
<b>Seagrass beds: Eelgrass</b>	3.81 (63%)	0.00 (0%)	0.00 (0%)	3.81 (63%)
<b>Estuary</b>	5.63 (29%)	0.00 (0%)	0.00 (0%)	5.63 (29%)
<b>Soft bottom</b>				
0-30 meters	21.02 (14%)	0.00 (0%)	3.86 (3%)	24.88 (17%)
30-100 meters	58.72 (14%)	1.22 (0%)	69.56 (17%)	129.51 (31%)
100-200 meters <sup>4</sup>	NA	NA	NA	NA
>200 meters <sup>4</sup>	NA	NA	NA	NA
<b>Hard bottom</b>				
0-30 meters	7.91 (23%)	0.28 (1%)	4.50 (13%)	12.70 (37%)
30-100 meters	14.82 (28%)	0.46 (1%)	6.22 (12%)	21.50 (41%)
100-200 meters <sup>4</sup>	NA	NA	NA	NA
>200 meters <sup>4</sup>	NA	NA	NA	NA
<b>Kelp forest</b>				
Kelp 1989	0.73 (23%)	0.08 (2%)	0.62 (19%)	1.43 (45%)
Kelp 1999	0.31 (17%)	0.03 (2%)	0.24 (13%)	0.57 (32%)
Kelp 2002	0.70 (38%)	0.15 (8%)	0.01 (0%)	0.85 (46%)
Kelp 2003	0.19 (16%)	0.03 (3%)	0.19 (16%)	0.41 (34%)
Kelp 2004	0.25 (18%)	0.09 (7%)	0.16 (11%)	0.50 (35%)
Kelp 2005	0.08 (9%)	0.00 (0%)	0.23 (25%)	0.31 (35%)
Average kelp	0.38 (22%)	0.06 (4%)	0.24 (14%)	0.68 (40%)

<sup>1</sup> Note: Area expressed as mi<sup>2</sup> except for Intertidal habitats and Surfgrass bed, which are expressed in mi.

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

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

<sup>4</sup> 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.