

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

**Overall Summary for Draft External Proposal A (XA) (1/2/08 version)**

Type of MPA <sup>1</sup>	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
State Marine Reserve (SMR)	12	34.11	4.47%
State Marine Park (SMP)	0	0.00	0.00%
State Marine Conservation Area (SMCA)	7	84.75	11.11%
<b>All MPAs combined</b>	<b>20</b>	<b>120.60</b>	<b>15.81%</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).

**Summary of SMCAs by Protection Level for Draft External Proposal A (XA) (1/2/08 version)**

SMCA Protection Level	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
High Protection	1	7.60	1.00%
Moderate-High Protection	5	74.04	9.70%
Moderate Protection	1	3.11	0.41%
Low Protection	0	0.00	0.00%
<b>All SMCAs combined</b>	<b>7</b>	<b>84.75</b>	<b>11.11%</b>

**Individual MPAs in Draft External Proposal A (XA) (1/2/08 version)**

MPA Name	Size (mi <sup>2</sup> )	Along-shore span (mi) <sup>A</sup>	Depth range (ft)
Arena Rock SMR	5.23	3.4	0-175
Arena Rock SMCA	7.60	3.4	153-324
Black Point SMR	5.34	6.86	0-174
Black Point SMCA	22.35	6.7	27-298
Gerstle Cove SMR	0.01	0.2	0-10
Russian River SMR	1.28	2.7	0-59
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 San Antonio SMR	0.09	1.2	0-10
Tomales Bay SMR	1.62	5.2	0-10
Point Reyes SMR	4.83	4.2	0-132
Point Reyes SMCA	13.19	7.6	51-217
Drakes Bay SMCA	3.11	15.2	0-10
Limantour SMR	0.91	7.5	0-10
Bolinas Lagoon SMR	1.74	2.3	0-10
Fitzgerald SMR	5.00	3.4	0-131
Fitzgerald SMCA	8.20	3.4	87-172
Southeast Farallone SMR	4.04	3.2	0-176
Southeast Farallone SMCA	11.42	0.4	45-382

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

**Habitat Representation in Draft External Proposal A (XA) (1/2/08 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	SMP	SMCA	Total MPAs
<b>Intertidal</b>				
Sandy or gravel beach	11.36 (10%)	0.00 (0%)	0.69 (1%)	12.05 (10%)
Rocky intertidal & cliff	33.57 (20%)	0.00 (0%)	6.61 (4%)	40.18 (24%)
Coastal marsh	16.86 (33%)	0.00 (0%)	12.40 (24%)	29.26 (57%)
Tidal flats	4.35 (24%)	0.00 (0%)	2.07 (11%)	6.42 (35%)
<b>Seagrass beds: Surfgrass</b>	13.80 (20%)	0.00 (0%)	0.67 (1%)	14.47 (21%)
<b>Seagrass beds: Eelgrass</b>	1.05 (17%)	0.00 (0%)	2.86 (47%)	3.91 (65%)
<b>Estuary</b>	2.98 (15%)	0.00 (0%)	3.02 (16%)	6.01 (31%)
<b>Soft bottom</b>				
0-30 meters	6.47 (4%)	0.00 (0%)	4.08 (3%)	10.54 (7%)
30-100 meters	8.94 (2%)	0.00 (0%)	67.66 (16%)	76.60 (19%)
100-200 meters <sup>3</sup>	NA	NA	NA	NA
>200 meters <sup>3</sup>	NA	NA	NA	NA
<b>Hard bottom</b>				
0-30 meters	4.93 (14%)	0.00 (0%)	1.36 (4%)	6.29 (18%)
30-100 meters	5.83 (11%)	0.00 (0%)	8.33 (16%)	14.16 (27%)
100-200 meters <sup>3</sup>	NA	NA	NA	NA
>200 meters <sup>3</sup>	NA	NA	NA	NA
<b>Kelp forest</b>				
Kelp 1989	0.37 (12%)	0.00 (0%)	0.01 (0%)	0.38 (12%)
Kelp 1999	0.18 (10%)	0.00 (0%)	0.00 (0%)	0.18 (10%)
Kelp 2002	0.18 (10%)	0.00 (0%)	0.00 (0%)	0.18 (10%)
Kelp 2003	0.17 (14%)	0.00 (0%)	0.00 (0%)	0.17 (14%)
Kelp 2004	0.16 (11%)	0.00 (0%)	0.00 (0%)	0.16 (11%)
Kelp 2005	0.15 (17%)	0.00 (0%)	0.00 (0%)	0.15 (17%)
Average kelp	0.20 (12%)	0.00 (0%)	0.00 (0%)	0.20 (12%)

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