

**California Marine Life Protection Act Initiative, North Central Coast Project
Staff Summary of Area and Habitats in Draft MPA Array Turquoise, Option B
Revised November 15, 2007**

Overall Summary for Turquoise, Option B (10/19/07 version)

Type of MPA ¹	# Proposed	Area (mi ²)	% of study region
State Marine Reserve (SMR)	10	57.50	7.54%
State Marine Park (SMP)	1	0.09	0.01%
State Marine Conservation Area (SMCA)	11	219.92	28.82%
All MPAs combined	22	277.51	36.37%

¹ Note: These are proposed MPA designations, NOT levels of protection assigned by the MLPA SAT.

Individual MPAs in Turquoise, Option B (10/19/07 version)

MPA Name ^A	Size (mi ²)	Along-shore span (mi) ^B	Depth range (ft)
Point Arena SMR	9.38	4.3	0-244
Point Arena SMCA	11.17	5.9	105-324
Del Mar Landing SMP	0.09	0.3	0-55
Black Salt SMR	7.69	9.6	0-177
Black Salt SMCA	28.27	9.6	144-300
Russian River SMCA	8.97	8.2	0-119
Charter Beach SMCA	0.25	1.4	0-12
Bodega Head SMR	13.66	5.0	0-257
Bodega Head SMCA	5.70	5.0	192-266
Tomales Bay SMR	0.66	1.7	0-10
Pt Reyes Headland SMR	7.35	5.5	0-152
Pt Reyes Headland SMCA	35.32	9.0	0-222
Drakes Estero SMR	4.05	7.2	0-10
Duxbury Reef SMCA	25.01	5.6	0-136
Moss Beach SMR	6.94	6.8	0-118
Moss Beach SMCA	18.65	6.8	56-172
Pescadero Estuary SMR	0.08	1.9	0-10
North Farallon SMR	1.18	NA	0-207
SE Farallon SMR	6.50	NA	0-241
SE Farallon SMCA	13.75	NA	127-382
Farallon Subregion SMCA	65.88	NA	78-372
Farallon Islands SMCA	6.95	NA	82-244

^A Symbols following proposed MPA name indicate level of protection as determined by the MLPA Master Plan Science Advisory Team. (***) indicates SMCA High, (**) indicates SMCA Moderate, (*) indicates SMCA Low, and (^) indicates SMP Low. Level of protection was used in the SAT evaluation.

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

Habitat Representation in Turquoise, Option B (10/19/07 version)

Habitat	Percentage of mapped habitat in proposed MPA designations in the study region ¹			
	SMR	SMP	SMCA	Total MPAs
Intertidal				
Sandy or gravel beaches	10.48%	0.00%	12.43%	22.90%
Rocky intertidal and cliff	30.04%	0.27%	6.86%	37.17%
Coastal marsh	57.41%	0.00%	4.41%	61.82%
Tidal flats	27.43%	0.00%	2.73%	30.16%
Seagrass beds (0-30m): Surfgrass	25.53%	0.00%	13.27%	38.80%
Seagrass beds (0-30m): Eelgrass	60.85%	0.00%	0.11%	60.96%
Estuary	23.34%	0.00%	1.74%	25.09%
Soft bottom				
0-30 meters	6.44%	0.00%	8.95%	15.39%
30-100 meters	4.42%	0.00%	41.49%	45.91%
100-200 meters	0.00%	0.00%	100.00%	100.00%
>200 meters	N/A	N/A	N/A	N/A
Hard bottom				
0-30 meters	21.61%	0.03%	13.30%	34.94%
30-100 meters	22.73%	0.00%	19.54%	42.26%
100-200m	N/A	N/A	N/A	N/A
>200 meters	N/A	N/A	N/A	N/A
Kelp forest				
Kelp 1989	25.33%	0.09%	0.10%	25.53%
Kelp 1999	19.70%	0.04%	0.00%	19.74%
Kelp 2002	34.18%	0.10%	8.80%	43.08%
Kelp 2003	16.94%	0.09%	0.49%	17.52%
Kelp 2004	17.78%	0.07%	1.62%	19.47%
Kelp 2005	17.29%	0.11%	0.02%	17.42%
Average kelp	17.86%	0.08%	0.00%	17.95%

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