

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

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

Type of MPA ¹	# Proposed	Area (mi ²)	% of study region
State Marine Reserve (SMR)	11	52.83	6.92%
State Marine Park (SMP)	2	2.91	0.38%
State Marine Conservation Area (SMCA)	10	148.69	19.49%
All MPAs combined	23	204.43	26.79%

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

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

MPA Name ^A	Size (mi ²)	Along-shore span (mi) ^B	Depth range (ft)
Point Arena SMR	13.66	5.8	0-271
Del Mar Landing SMP	0.09	0.3	0-55
Black Point SMR	3.62	4.2	0-164
Black Point SMCA	12.98	4.2	142-294
Salt Point SMP	2.82	5.0	0-153
Gerstle Cove SMCA	0.01	0.2	0-10
Russian River SMCA	7.37	6.7	0-119
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	5.48	5.5	0-151
Pt Reyes Headland SMCA	36.16	9.0	0-222
Drakes Estero SMR	4.05	7.2	0-10
Duxbury Reef SMCA	16.23	5.6	0-133
Moss Beach SMR	5.77	5.4	0-122
Moss Beach SMCA	19.71	6.8	0-172
Pescadero Estuary SMR	0.08	1.9	0-10
Middle Farallon SMR	1.19	NA	78-189
North Farallon SMR	1.19	NA	0-207
SE Farallons SMCA	10.75	NA	126-382
SE Farallons SMR	3.47	NA	0-206
East Farallons SMCA	32.36	NA	138-276
Farallon Islands SMCA	7.44	NA	47-244

^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 A (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	7.82%	0.69%	13.10%	21.61%
Rocky intertidal and cliff	21.36%	4.81%	5.60%	31.78%
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	23.04%	0.00%	13.16%	36.20%
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	5.96%	0.04%	8.87%	14.86%
30-100 meters	4.89%	0.12%	26.48%	31.49%
100-200 meters	0.00%	0.00%	59.75%	59.75%
>200 meters	N/A	N/A	N/A	N/A
Hard bottom				
0-30 meters	16.83%	3.10%	8.98%	28.90%
30-100 meters	19.70%	1.29%	10.80%	31.79%
100-200m	N/A	N/A	N/A	N/A
>200 meters	N/A	N/A	N/A	N/A
Kelp forest				
Kelp 1989	9.43%	10.07%	0.11%	19.61%
Kelp 1999	9.82%	5.98%	0.00%	15.80%
Kelp 2002	8.83%	23.13%	8.32%	40.28%
Kelp 2003	8.91%	8.04%	0.49%	17.45%
Kelp 2004	6.26%	12.34%	1.84%	20.43%
Kelp 2005	4.06%	3.62%	0.02%	7.70%
Average kelp	6.66%	11.39%	0.00%	18.04%

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