

California MLPA North Coast Project
Staff Summary of Area and Habitats in
Proposal 0 (Existing MPAs)
September 27, 2010

Table 1. Summary of MPAs by Designation Type for Proposal 0 (Existing MPAs)

Type of MPA ^a	# of MPAs	Area (mi ²)	% of Study Region
State Marine Reserve (SMR)	1	2.07	0.2%
State Marine Recreational Managed Area (SMRMA)	0	0.00	0.0%
State Marine Park (SMP)	0	0.00	0.0%
State Marine Conservation Area (SMCA)	4	1.06	0.1%
All MPAs combined	5	3.13	0.3%

^a *These are proposed marine protected area (MPA) designation types, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team (SAT). SMRMA is not an MPA designation type, but rather a marine managed area designation type.*

Table 2. Summary of MPAs by Level of Protection for Proposal 0 (Existing MPAs)

Level of Protection (LOP)	# of MPAs	Area (mi ²)	% of Study Region
Very High ^b	1	2.07	0.2%
High	0	0.00	0.0%
Moderate-High	0	0.00	0.0%
Moderate	0	0.00	0.0%
Moderate-low	0	0.00	0.0%
Low	4	1.06	0.1%
Total	5	3.13	0.3%

^b *The "Very High" category includes MPAs with SMR designation type, as well as SMRMA designation types that do not propose any allowed uses.*

Table 3. Individual MPAs in Proposal 0 (Existing MPAs)

MPA Name	Size ^c (mi ²)	Alongshore Span ^d (mi)	Depth Range (ft)
Punta Gorda SMR	2.07	1.6	15 - 184
MacKerricher SMCA	0.72	3.0	0 - 38
Point Cabrillo SMCA	0.22	0.9	0 - 20
Russian Gulch SMCA	0.09	0.7	0 - 3
Van Damme SMCA	0.02	0.2	0 - 11

^c Size is measured in square statute miles (mi²).

^d Alongshore span is measured in miles (mi) as direct line from one end of the MPA to the other, roughly paralleling the coastline. An alongshore span is not calculated for estuarine MPAs.

Table 4. Habitat Representation in Proposal 0 (Existing MPAs)

Habitat ^e	SMR		SMRMA		SMP		SMCA		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%
Intertidal										
Sandy or gravel beach*	0.00	0%	0.00	0%	0.00	0%	1.92	1%	1.92	1%
Rocky shores*	0.00	0%	0.00	0%	0.00	0%	7.84	5%	7.84	5%
Hardened shores*	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Coastal marsh*	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Coastal marsh	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Tidal flats*	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Seagrass beds										
Humboldt Eelgrass	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Estuarine										
Estuary	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Hard bottom										
0-30 meters proxy*, ^f	0.81	2%	0.00	0%	0.00	0%	0.00	0%	0.81	2%
0-30 meters	0.27	1%	0.00	0%	0.00	0%	0.16	1%	0.44	1%
30-100 meters	0.26	1%	0.00	0%	0.00	0%	0.00	0%	0.26	1%
100-200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
>200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Soft bottom										
0-30 meters proxy*, ^f	0.77	<1%	0.00	0%	0.00	0%	0.00	0%	0.77	<1%
0-30 meters	0.44	<1%	0.00	0%	0.00	0%	0.07	<1%	0.51	<1%

*California **Error! Unknown document property name.**
Staff Summary of Area and Habitats in California Marine Life Protection Act Initiative
September 27, 2010*

Habitat ^e	SMR		SMRMA		SMP		SMCA		Total MPAs	
	Area	%	Area	%	Area	%	Area	%	Area	%
30-100 meters	1.00	<1%	0.00	0%	0.00	0%	0.00	0%	1.00	<1%
100-200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
>200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Unknown										
0-30 meters	0.10	<1%	0.00	0%	0.00	0%	0.82	<1%	0.92	1%
30-100 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
100-200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
>200 meters	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Other										
Offshore rocks*	0.00	0%	0.00	0%	0.00	0%	6.49	4%	6.49	4%
Canyon	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%
Linear kelp*	0.00	0%	0.00	0%	0.00	0%	0.23	<1%	0.23	<1%

^e Habitats are measured as an area (m²) except for those with a * notation. Habitats with a * notation are expressed in linear units (mi).

^f A linear measurement of substrate in the 0-30 meter (m) zone, called the 0-30m proxy line was developed to address the limited fine scale data for the nearshore habitat. The proxy line is drawn roughly parallel to shore at 12-15m depth and is divided into short segments and the estimated proportion of hard and soft bottom in the 0-30m zone is associated with each segment.