

California MLPA South Coast Project
Habitat Calculations for Draft MPA Proposal 0 (Existing MPAs)
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	How Measured	Total Available Habitat	Refugio SMCA	Goleta Slough SMP	Big Sycamore Canyon SMR	Abalone Cove SMP	Point Fermin SMP	Bolsa Chica SMP	Upper Newport Bay SMP
MPA ID			5812	5816	5811	5819	5813	5814	5818
MPA Designation			SMCA	SMP	SMR	SMP	SMP	SMP	SMP
Level of Protection			Low	Low	Very High	moderate low	moderate low	Low	Low
SAT Evaluation Bioregion			North Mainland	North Mainland	North Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	sq miles	2,350.88	1.03	0.25	2.22	0.10	0.07	0.25	1.10
Alongshore Span	miles	NA	2.6	N/A	2.5	0.8	0.6	N/A	N/A
ESI Shoreline	miles	1,046.45	2.62	3.48	0.00	1.10	0.54	4.40	9.42
Min Depth	feet	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A
Max Depth	feet	3,938.00	51.00	10.00	130.00	10.00	20.00	N/A	N/A
Beaches	miles	379.63	1.14	0.15	0.00	0.71	0.00	0.00	0.00
Rocky Shores	miles	280.72	1.48	0.00	0.00	0.40	0.54	0.00	0.00
Hardened Shores	miles	297.85	0.00	0.00	0.00	0.00	0.00	0.92	0.04
Coastal Marsh	miles	59.49	0.00	2.76	0.00	0.00	0.00	2.49	7.24
Coastal Marsh (area)	sq miles	6.11	0.00	0.19	0.00	0.00	0.00	0.08	0.74
Tidal Flats	miles	28.76	0.00	0.56	0.00	0.00	0.00	0.99	2.15
Surfgrass	miles	72.43	1.76	0.00	0.00	0.39	0.00	0.00	0.00
Eelgrass	sq miles	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	sq miles	43.30	0.00	0.25	0.00	0.00	0.00	0.25	1.10
soft 0 - 30m	sq miles	437.18	0.71	0.00	1.85	0.01	0.00	0.00	0.00
soft 0 - 30m proxy	miles	362.57	1.72	0.00	2.18	0.10	0.00	0.00	0.00
soft 30 - 100m	sq miles	672.06	0.00	0.00	0.38	0.00	0.00	0.00	0.00
soft 100 - 200m	sq miles	158.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 200 - 3000m	sq miles	234.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	sq miles	111.73	0.25	0.00	0.00	0.05	0.07	0.00	0.00
hard 0 - 30m proxy	miles	191.62	0.80	0.00	0.00	0.10	0.00	0.00	0.00
hard 30 - 100m	sq miles	47.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 100 - 200m	sq miles	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 200 - 3000m	sq miles	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	sq miles	153.85	0.07	0.25	0.00	0.03	0.00	0.25	1.10
unknown 30 - 100m	sq miles	213.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 100 - 200 m	sq miles	113.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 200 - 3000m	sq miles	201.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	miles	336.55	1.90	0.00	0.00	0.12	0.00	0.00	0.00
Kelp (linear)	miles	182.61	0.85	0.00	0.00	0.01	0.11	0.00	0.00

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	Robert E Badham SMCA	Crystal Cove SMCA	Irvine Coast SMCA	Heisler Park SMR	Laguna Beach SMCA	South Laguna Beach SMCA	Niguel SMCA	Dana Point SMCA
MPA ID	5820	5821	5822	5808	5823	5824	5825	5826
MPA Designation	SMCA	SMCA	SMCA	SMR	SMCA	SMCA	SMCA	SMCA
Level of Protection	moderate low	Low	moderate low	Very High	moderate low	moderate low	moderate low	moderate low
SAT Evaluation Bioregion	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	0.02	1.80	0.35	0.04	0.53	0.05	0.49	0.20
Alongshore Span	0.6	3.1	3.1	0.4	4.4	0.4	2.0	0.8
ESI Shoreline	0.72	3.32	3.30	0.40	5.15	0.47	2.32	1.06
Min Depth	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max Depth	10.0	136.00	14.00	11.00	41.00	22.00	53.00	34.00
Beaches	0.10	2.42	2.43	0.21	2.94	0.26	1.80	0.15
Rocky Shores	0.62	0.89	0.87	0.19	2.11	0.21	0.52	0.68
Hardened Shores	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
Coastal Marsh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surfgrass	0.00	0.04	0.01	0.00	0.48	0.00	0.56	0.45
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	0.00	0.75	0.02	0.00	0.04	0.01	0.07	0.16
soft 0 - 30m proxy	0.00	2.50	0.00	0.00	0.56	0.09	0.40	0.00
soft 30 - 100m	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
soft 100 - 200m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.00	0.13	0.00	0.01	0.08	0.00	0.10	0.02
hard 0 - 30m proxy	0.00	0.63	0.00	0.00	0.19	0.00	0.00	0.00
hard 30 - 100m	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
hard 100 - 200m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.02	0.40	0.33	0.03	0.41	0.04	0.32	0.02
unknown 30 - 100m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 100 - 200 m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.00	0.08	0.00	0.00	0.39	0.00	0.00	0.00
Kelp (linear)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	Doheny SMCA	Doheny Beach SMCA	Agua Hedionda Lagoon SMR	Batiquitos Lagoon SMP	Encinitas SMCA	Cardiff-San Elijo SMCA	San Elijo Lagoon SMP	San Dieguito Lagoon SMP
MPA ID	5828	5827	5810	5829	5815	5830	5831	5832
MPA Designation	SMCA	SMCA	SMR	SMP	SMCA	SMCA	SMP	SMP
Level of Protection	Low	moderate low	Very High	moderate low	moderate low	Low	moderate low	moderate low
SAT Evaluation Bioregion	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	0.14	0.19	0.04	0.28	0.11	1.21	0.44	0.19
Alongshore Span	1.1	1.2	N/A	N/A	0.9	2.1	N/A	N/A
ESI Shoreline	1.40	0.04	0.00	0.00	0.92	2.18	3.86	1.03
Min Depth	0.00	0.00	N/A	0.00	0.00	0.00	N/A	N/A
Max Depth	10.00	14.00	N/A	10.00	10.00	59.00	N/A	N/A
Beaches	1.12	0.00	0.00	0.00	0.46	1.40	0.00	0.00
Rocky Shores	0.14	0.00	0.00	0.00	0.43	0.77	0.00	0.00
Hardened Shores	0.04	0.13	0.00	0.00	0.04	0.00	0.00	0.27
Coastal Marsh	0.00	0.00	0.00	0.00	0.00	0.01	3.86	0.55
Coastal Marsh (area)	0.00	0.00	0.01	0.02	0.00	0.00	0.23	0.06
Tidal Flats	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
Surfgrass	0.00	0.00	0.00	0.00	0.26	1.00	0.00	0.00
Eelgrass	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.04	0.28	0.00	0.00	0.44	0.19
soft 0 - 30m	0.11	0.15	0.00	0.01	0.08	0.77	0.00	0.00
soft 0 - 30m proxy	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00
soft 30 - 100m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 100 - 200m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.03	0.04	0.00	0.00	0.03	0.43	0.00	0.00
hard 0 - 30m proxy	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
hard 30 - 100m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 100 - 200m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.00	0.04	0.27	0.00	0.01	0.44	0.19
unknown 30 - 100m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 100 - 200 m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00
Kelp (linear)	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00

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	San Diego-Scripps SMCA	La Jolla SMCA	Mia J Tegner SMCA	Catalina Marine Science Center SMR	Farnsworth Bank SMCA	Lover's Cove SMCA	Richardson Rock SMR
MPA ID	5833	5817	5834	5809	5835	5836	5795
MPA Designation	SMCA	SMCA	SMCA	SMR	SMCA	SMCA	SMR
Level of Protection	moderate low	High	Low	Very High	Low	Low	very high
SAT Evaluation Bioregion	South Mainland	South Mainland	South Mainland	East Channel Islands	East Channel Islands	East Channel Islands	West Channel Islands
Area	0.11	0.77	0.02	0.06	1.68	0.02	40.69
Alongshore Span	0.5	1.1	0.6	0.8	1.2	0.3	6.3
ESI Shoreline	0.52	2.03	0.69	1.22	0.00	0.08	0.00
Min Depth	0.00	0.00	0.00	0.00	135.00	0.00	95.00
Max Depth	10.00	214.00	10.00	111.00	403.00	10.00	558.00
Beaches	0.40	1.12	0.19	0.08	0.00	0.03	0.00
Rocky Shores	0.12	0.91	0.50	1.10	0.00	0.05	0.00
Hardened Shores	0.00	0.10	0.00	0.05	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surfgrass	0.52	0.99	0.70	0.17	0.00	0.00	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	0.10	0.45	0.00	0.03	0.00	0.00	0.00
soft 0 - 30m proxy	0.05	1.04	0.00	0.35	0.00	0.18	0.00
soft 30 - 100m	0.00	0.19	0.00	0.01	1.11	0.01	0.52
soft 100 - 200m	0.00	0.00	0.00	0.00	0.14	0.00	0.09
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.00	0.11	0.02	0.02	0.00	0.01	0.00
hard 0 - 30m proxy	0.00	0.07	0.00	0.28	0.00	0.14	0.00
hard 30 - 100m	0.00	0.01	0.00	0.00	0.42	0.00	0.20
hard 100 - 200m	0.00	0.00	0.00	0.00	0.01	0.00	0.04
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.01	0.00	0.00	0.00	0.00	0.03
unknown 30 - 100m	0.00	0.00	0.00	0.00	0.00	0.00	52.40
unknown 100 - 200 m	0.00	0.00	0.00	0.00	0.00	0.00	12.15
unknown 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.00	0.06	0.00	0.20	0.00	0.32	0.44
Kelp (linear)	0.00	0.00	0.00	0.23	0.00	0.14	0.00

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	Judith Rock SMR	Harris Point SMR	South Point SMR	Carrington Point SMR	Skunk Point SMR	Painted Cave SMCA
MPA ID	5806	5796	5805	5798	5804	5799
MPA Designation	SMR	SMR	SMR	SMR	SMR	SMCA
Level of Protection	very high	very high	very high	very high	very high	moderate low
SAT Evaluation Bioregion	West Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands	Mid Channel Islands
Area	4.55	25.35	13.05	12.76	1.39	1.78
Alongshore Span	1.2	5.4	3.5	4.0	2.2	1.9
ESI Shoreline	2.19	9.28	4.79	6.16	2.51	3.05
Min Depth	0.00	0.00	0.00	0.00	0.00	0.00
Max Depth	487.00	557.00	1071.00	211.00	83.00	291.00
Beaches	0.48	1.81	1.45	0.81	1.77	0.00
Rocky Shores	1.71	7.48	3.34	5.35	0.74	3.05
Hardened Shores	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.00	0.00
Surfgrass	0.00	2.32	1.74	4.39	0.11	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	0.21	1.80	1.22	7.15	0.71	0.05
soft 0 - 30m proxy	0.46	5.60	1.70	3.32	2.09	1.96
soft 30 - 100m	1.56	15.93	3.51	3.82	0.00	0.12
soft 100 - 200m	0.00	2.54	5.34	0.00	0.00	0.00
soft 200 - 3000m	0.00	0.00	0.05	0.00	0.00	0.00
hard 0 - 30m	0.48	0.86	0.55	1.35	0.08	0.04
hard 0 - 30m proxy	0.80	1.96	2.05	1.97	0.18	0.01
hard 30 - 100m	0.07	2.40	0.26	0.27	0.00	0.00
hard 100 - 200m	0.00	0.25	0.01	0.00	0.00	0.00
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.04	1.18	0.06	0.16	0.61	0.28
unknown 30 - 100m	0.32	0.17	0.02	0.00	0.00	2.15
unknown 100 - 200 m	2.02	0.05	0.25	0.00	0.00	0.00
unknown 200 - 3000m	0.00	0.00	1.79	0.00	0.00	0.00
Maximum kelp (linear)	1.22	4.12	3.67	3.68	1.00	0.24
Kelp (linear)	0.96	2.30	3.25	1.24	0.67	0.00

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	Gull Island SMR	Scorpion SMR	Footprint SMR	Anacapa Island SMCA	Anacapa Island SMR	Santa Barbara Island SMR
MPA ID	5797	5800	5803	5801	5802	5807
MPA Designation	SMR	SMR	SMR	SMCA	SMR	SMR
Level of Protection	very high	very high	very high	moderate low	very high	very high
SAT Evaluation Bioregion	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands
Area	19.91	9.62	7.05	7.30	11.54	12.76
Alongshore Span	4.8	2.6	4.7	2.0	3.1	1.0
ESI Shoreline	3.98	4.65	0.00	3.68	7.17	1.17
Min Depth	0.00	0.00	171.00	0.00	0.00	0.00
Max Depth	2205.00	769.00	1656.00	490.00	709.00	1655.00
Beaches	2.10	0.67	0.00	0.19	0.79	0.15
Rocky Shores	1.88	3.98	0.00	3.49	6.38	1.02
Hardened Shores	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.00	0.00
Surfgrass	1.15	0.00	0.00	1.29	3.64	0.92
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	1.90	0.37	0.00	0.23	0.87	0.47
soft 0 - 30m proxy	2.77	2.28	0.00	1.74	2.59	0.72
soft 30 - 100m	3.77	4.88	1.16	6.21	7.25	1.69
soft 100 - 200m	3.20	0.18	0.27	0.18	0.78	0.42
soft 200 - 3000m	1.43	0.00	0.00	0.00	0.00	0.02
hard 0 - 30m	0.78	0.17	0.00	0.11	0.27	0.11
hard 0 - 30m proxy	2.36	0.69	0.00	0.54	0.65	0.36
hard 30 - 100m	0.12	0.33	0.11	0.03	0.10	0.10
hard 100 - 200m	0.13	0.01	0.02	0.00	0.00	0.02
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.09	0.04	0.00	0.02	0.01	0.00
unknown 30 - 100m	0.00	0.01	0.13	0.01	0.00	0.15
unknown 100 - 200 m	0.21	2.05	1.53	0.52	1.48	1.28
unknown 200 - 3000m	8.28	1.58	3.90	0.00	0.77	8.58
Maximum kelp (linear)	3.29	2.00	0.00	0.61	1.46	0.76
Kelp (linear)	1.88	0.05	0.00	0.00	0.65	0.10