

California MLPA South Coast Project
Habitat Calculations for External A Revised MPA Proposal
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	How Measured	Total Available Habitat	Point Conception SMR	Campus Point SMR	Goleta Slough SMR	Big Sycamore Canyon SMR	Deer Creek SMCA	Malibu SMR	Point Vicente SMR
MPA ID			65980	65971	65973	65979	65994	65978	65996
MPA Designation			SMR	SMR	SMR	SMR	SMCA	SMR	SMR
Level of Protection			very high	very high	very high	very high	high	very high	very high
SAT Evaluation Bioregion			North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	South Mainland
Area	sq miles	2,350.88	22.51	10.13	0.25	13.07	5.82	10.32	10.50
Alongshore Span	miles	NA	5.27	2.75	N/A	3.62	1.56	2.85	2.78
ESI Shoreline	miles	1,046.45	4.67	3.28	3.48	3.81	1.56	2.96	0.00
Min Depth	feet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
Max Depth	feet	3,938.00	489.00	701.00	10.00	1476.00	497.00	372.00	2640.00
Beaches	miles	379.63	1.53	1.90	0.15	1.88	0.73	2.14	0.00
Rocky Shores	miles	280.72	3.14	1.38	0.00	0.06	0.14	0.24	0.00
Hardened Shores	miles	297.85	0.00	0.00	0.00	1.77	0.69	0.58	0.00
Coastal Marsh	miles	59.49	0.00	0.00	2.76	0.00	0.00	0.00	0.00
Coastal Marsh (area)	sq miles	6.11	0.00	0.00	0.19	0.00	0.00	0.00	0.00
Tidal Flats	miles	28.76	0.00	0.00	0.56	0.10	0.00	0.00	0.00
Surfgrass	miles	72.43	3.21	0.96	0.00	0.05	0.54	0.45	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	0.00	0.25	0.00	0.00	0.00	0.00
soft 0 - 30m	sq miles	437.18	2.14	0.81	0.00	3.34	1.38	2.92	0.08
soft 0 - 30m proxy	miles	362.57	1.84	1.09	0.00	3.67	1.34	2.57	0.00
soft 30 - 100m	sq miles	672.06	15.78	6.87	0.00	4.94	3.29	7.01	0.43
soft 100 - 200m	sq miles	158.39	3.26	1.37	0.00	2.63	0.93	0.02	0.49
soft 200 - 3000m	sq miles	234.34	0.00	0.04	0.00	2.12	0.00	0.00	9.42
hard 0 - 30m	sq miles	111.73	0.50	0.75	0.00	0.00	0.10	0.06	0.04
hard 0 - 30m proxy	miles	191.62	1.84	1.88	0.00	0.00	0.23	0.30	0.18
hard 30 - 100m	sq miles	47.79	0.32	0.04	0.00	0.01	0.05	0.03	0.00
hard 100 - 200m	sq miles	3.89	0.10	0.00	0.00	0.01	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	0.03
unknown 0 - 30m	sq miles	153.85	0.20	0.25	0.25	0.02	0.02	0.28	0.00
unknown 30 - 100m	sq miles	213.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00
unknown 100 - 200 m	sq miles	113.01	0.20	0.00	0.00	0.00	0.06	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	1.79	2.55	0.00	0.00	1.18	0.16	0.28
Kelp (linear)	miles	182.61	1.13	1.62	0.00	0.00	0.59	0.04	0.00

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	Portuguese Bend SMCA	Point Fermin SMP	Bolsa Chica SMP	Upper Newport Bay SMCA	Crystal Cove SMCA	Laguna SMR	Laguna Coast SMCA	Dana Point SMCA	Doheny Beach SMCA
MPA ID	65981	66002	65995	65977	65987	65983	65982	65985	66003
MPA Designation	SMCA	SMP	SMP	SMCA	SMCA	SMR	SMCA	SMCA	SMCA
Level of Protection	high	moderate low	moderate low	moderate low	moderate low	very high	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	South Mainland
Area	13.81	0.07	0.25	1.10	0.94	9.91	0.52	1.05	0.19
Alongshore Span	3.66	0.58	N/A	N/A	3.37	2.32	2.20	2.46	0.87
ESI Shoreline	4.95	0.54	4.40	9.33	4.04	2.67	2.98	3.25	1.25
Min Depth	0.00	0.00	N/A	N/A	0.00	0.00	0.00	0.00	0.00
Max Depth	2479.00	20.00	N/A	N/A	76.00	1801.00	49.00	63.00	13.00
Beaches	3.09	0.00	0.00	0.00	2.45	1.89	1.51	1.96	0.85
Rocky Shores	1.86	0.54	0.00	0.00	1.58	0.78	1.36	1.07	0.14
Hardened Shores	0.00	0.00	0.92	0.04	0.00	0.00	0.10	0.22	0.26
Coastal Marsh	0.00	0.00	2.49	7.24	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.08	0.74	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.99	2.05	0.00	0.00	0.00	0.00	0.00
Surfgrass	1.31	0.00	0.00	0.00	0.11	0.36	0.12	0.95	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.25	1.10	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	1.39	0.00	0.00	0.00	0.43	0.71	0.23	0.31	0.14
soft 0 - 30m proxy	2.52	0.00	0.00	0.00	2.09	1.38	2.09	0.29	0.00
soft 30 - 100m	3.10	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00
soft 100 - 200m	1.46	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00
soft 200 - 3000m	6.83	0.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
hard 0 - 30m	0.58	0.07	0.00	0.00	0.07	0.20	0.04	0.41	0.05
hard 0 - 30m proxy	1.56	0.00	0.00	0.00	0.33	0.98	0.09	1.52	0.00
hard 30 - 100m	0.06	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	0.00
hard 200 - 3000m	0.21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
unknown 0 - 30m	0.18	0.00	0.25	1.10	0.45	0.25	0.25	0.34	0.00
unknown 30 - 100m	0.00	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	0.00
unknown 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	2.70	0.00	0.00	0.00	0.08	1.79	0.21	0.69	0.00
Kelp (linear)	0.63	0.11	0.00	0.00	0.00	0.00	0.00	0.48	0.00

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	Batiquitos Lagoon SMR	San Elijo Lagoon SMR	Del Mar SMR	San Dieguito Lagoon SMR	La Jolla SMR	Ocean Beach SMCA	Sunset Cliffs SMR	Cabrillo SMR	Oneonta Slough SMR
MPA ID	65984	65976	65970	65986	65997	65998	65972	65999	65991
MPA Designation	SMR	SMR	SMR	SMR	SMR	SMCA	SMR	SMR	SMR
Level of Protection	very high	very high	very high	very high	very high	moderate high	very high	very high	very high
SAT Evaluation Bioregion	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	0.67	0.44	10.75	0.52	0.77	6.47	2.90	0.38	0.75
Alongshore Span	N/A	N/A	3.05	N/A	1.14	3.21	1.83	1.26	N/A
ESI Shoreline	0.00	3.86	3.03	2.14	2.03	0.00	2.57	1.42	11.62
Min Depth	0.00	N/A	0.00	N/A	0.00	107.00	0.00	0.00	N/A
Max Depth	10.00	N/A	1057.00	N/A	214.00	323.00	127.00	30.00	N/A
Beaches	0.00	0.00	2.85	0.48	1.12	0.00	0.52	0.44	0.47
Rocky Shores	0.00	0.00	0.18	0.00	0.91	0.00	1.63	0.97	0.00
Hardened Shores	0.00	0.00	0.00	0.27	0.00	0.00	0.42	0.00	0.00
Coastal Marsh	0.00	3.86	0.00	0.73	0.00	0.00	0.00	0.00	9.90
Coastal Marsh (area)	0.11	0.23	0.00	0.16	0.00	0.00	0.00	0.00	0.50
Tidal Flats	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00	1.25
Surfgrass	0.00	0.00	0.16	0.00	0.99	0.00	1.04	1.36	0.00
Eelgrass	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.67	0.44	0.00	0.52	0.00	0.00	0.00	0.00	0.75
soft 0 - 30m	0.01	0.00	3.11	0.00	0.45	0.00	0.69	0.03	0.01
soft 0 - 30m proxy	0.00	0.00	2.32	0.00	1.04	0.00	0.14	0.00	0.00
soft 30 - 100m	0.00	0.00	3.21	0.00	0.19	3.15	0.20	0.00	0.00
soft 100 - 200m	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00
soft 200 - 3000m	0.00	0.00	1.52	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.00	0.00	0.22	0.00	0.11	0.00	1.81	0.30	0.00
hard 0 - 30m proxy	0.00	0.00	0.75	0.00	0.07	0.00	1.71	0.20	0.00
hard 30 - 100m	0.00	0.00	0.15	0.00	0.01	0.12	0.15	0.00	0.00
hard 100 - 200m	0.00	0.00	0.18	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	0.00
unknown 0 - 30m	0.66	0.44	0.07	0.52	0.01	0.00	0.04	0.05	0.73
unknown 30 - 100m	0.00	0.00	0.23	0.00	0.00	3.19	0.01	0.00	0.00
unknown 100 - 200 m	0.00	0.00	0.25	0.00	0.00	0.01	0.00	0.00	0.00
unknown 200 - 3000m	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.00	0.00	0.19	0.00	0.39	0.00	1.99	0.00	0.00
Kelp (linear)	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00

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	Bird Rock SMCA	Blue Cavern SMR	Cat Harbor SMCA	Farnsworth Bank SMCA	Casino Point SMR	Lover's Cove SMCA
MPA ID	66001	65975	65974	65993	65992	66000
MPA Designation	SMCA	SMR	SMCA	SMCA	SMR	SMCA
Level of Protection	high	very high	low	low	very high	moderate high
SAT Evaluation Bioregion	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands
Area	8.97	1.34	0.33	1.68	0.01	0.06
Alongshore Span	2.29	2.26	0.70	1.16	0.15	0.39
ESI Shoreline	0.00	3.36	3.09	0.00	0.09	0.60
Min Depth	75.00	0.00	0.00	135.00	73.00	0.00
Max Depth	2616.00	691.00	186.00	403.00	73.00	188.00
Beaches	0.00	1.66	1.34	0.00	0.00	0.38
Rocky Shores	0.00	1.65	1.11	0.00	0.05	0.12
Hardened Shores	0.00	0.05	0.05	0.00	0.04	0.09
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	0.59	0.00	0.00	0.00
Surfgrass	0.23	1.68	0.00	0.00	0.00	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	0.02	0.28	0.07	0.00	0.00	0.01
soft 0 - 30m proxy	0.00	1.89	0.98	0.00	0.02	0.28
soft 30 - 100m	0.36	0.50	0.09	1.11	0.00	0.02
soft 100 - 200m	0.65	0.43	0.00	0.14	0.00	0.00
soft 200 - 3000m	7.45	0.04	0.00	0.00	0.00	0.00
hard 0 - 30m	0.01	0.08	0.04	0.00	0.00	0.01
hard 0 - 30m proxy	0.00	0.88	0.10	0.00	0.08	0.23
hard 30 - 100m	0.00	0.01	0.00	0.42	0.00	0.00
hard 100 - 200m	0.00	0.00	0.00	0.01	0.00	0.00
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.00	0.14	0.00	0.00	0.00
unknown 30 - 100m	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
unknown 200 - 3000m	0.49	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.00	2.48	0.45	0.00	0.10	0.47
Kelp (linear)	0.00	1.40	0.31	0.00	0.02	0.25

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	Begg Rock SMR	San Clemente Island Pending Military Closure 1	San Clemente Island Pending Military Closure 2	Richardson Rock SMR	Judith Rock SMR	Harris Point SMR
MPA ID	65988	65989	65990	65957	65968	65958
MPA Designation	SMR	Undesignated	Undesignated	SMR	SMR	SMR
Level of Protection	very high	N/A	N/A	very high	very high	very high
SAT Evaluation Bioregion	West Channel Islands	East Channel Islands	East Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands
Area	37.96	17.44	19.24	40.69	4.55	25.35
Alongshore Span	6.94	3.93	5.37	6.31	1.23	5.38
ESI Shoreline	0.00	1.83	6.13	0.00	2.19	9.28
Min Depth	219.00	0.00	0.00	95.00	0.00	0.00
Max Depth	374.00	1682.00	3938.00	558.00	487.00	557.00
Beaches	0.00	0.79	5.25	0.00	0.48	1.81
Rocky Shores	0.00	1.04	0.77	0.00	1.71	7.48
Hardened Shores	0.00	0.00	0.11	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	0.63	2.46	0.00	0.00	2.32
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	0.00	0.01	0.00	0.00	0.21	1.80
soft 0 - 30m proxy	0.00	0.00	1.30	0.00	0.46	5.60
soft 30 - 100m	22.22	0.96	0.00	0.52	1.56	15.93
soft 100 - 200m	11.58	0.00	0.00	0.09	0.00	2.54
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.00	1.17	0.62	0.00	0.48	0.86
hard 0 - 30m proxy	0.00	2.45	4.57	0.00	0.80	1.96
hard 30 - 100m	4.10	1.04	0.03	0.20	0.07	2.40
hard 100 - 200m	0.07	0.00	0.00	0.04	0.00	0.25
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.01	0.45	0.03	0.04	1.18
unknown 30 - 100m	0.00	3.73	2.16	27.66	0.16	0.34
unknown 100 - 200 m	0.00	4.84	1.58	12.15	2.02	0.05
unknown 200 - 3000m	0.00	5.67	14.41	0.00	0.00	0.00
Maximum kelp (linear)	0.00	2.96	5.47	0.44	1.22	4.12
Kelp (linear)	0.00	2.75	4.26	0.00	0.96	2.30

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	South Point SMR	Carrington Point SMR	Skunk Point SMR	Painted Cave SMCA	Gull Island SMR	Scorpion SMR	Footprint SMR
MPA ID	65967	65959	65969	65964	65965	65966	65960
MPA Designation	SMR	SMR	SMR	SMCA	SMR	SMR	SMR
Level of Protection	very high	very high	very high	moderate low	very high	very high	very high
SAT Evaluation Bioregion	West Channel Islands	West Channel Islands	West Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands
Area	13.05	12.76	1.39	1.78	19.91	9.62	7.05
Alongshore Span	3.55	4.02	2.18	1.94	4.78	2.59	4.74
ESI Shoreline	4.79	6.16	2.51	3.05	3.98	4.65	0.00
Min Depth	0.00	0.00	0.00	0.00	0.00	0.00	171.00
Max Depth	1071.00	211.00	83.00	291.00	2205.00	769.00	1656.00
Beaches	1.45	0.81	1.77	0.00	2.10	0.67	0.00
Rocky Shores	3.34	5.35	0.74	3.05	1.88	3.98	0.00
Hardened Shores	0.00	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	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	1.74	4.39	0.11	0.00	1.15	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	1.22	7.15	0.71	0.05	1.90	0.37	0.00
soft 0 - 30m proxy	1.70	3.32	2.09	1.96	2.77	2.28	0.00
soft 30 - 100m	3.51	3.82	0.00	0.12	3.77	4.88	1.16
soft 100 - 200m	5.34	0.00	0.00	0.00	3.20	0.18	0.27
soft 200 - 3000m	0.05	0.00	0.00	0.00	1.43	0.00	0.00
hard 0 - 30m	0.55	1.35	0.08	0.04	0.78	0.17	0.00
hard 0 - 30m proxy	2.05	1.97	0.18	0.01	2.36	0.69	0.00
hard 30 - 100m	0.26	0.27	0.00	0.00	0.12	0.33	0.11
hard 100 - 200m	0.01	0.00	0.00	0.00	0.13	0.01	0.02
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.06	0.16	0.61	0.28	0.09	0.04	0.00
unknown 30 - 100m	0.01	0.00	0.00	1.29	0.00	0.03	0.06
unknown 100 - 200 m	0.25	0.00	0.00	0.00	0.21	2.05	1.53
unknown 200 - 3000m	1.79	0.00	0.00	0.00	8.28	1.58	3.90
Maximum kelp (linear)	3.67	3.68	1.00	0.24	3.29	2.00	0.00
Kelp (linear)	3.25	1.24	0.67	0.00	1.88	0.05	0.00

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	Anacapa Island SMCA	Anacapa Island SMR	Santa Barbara Island SMR
MPA ID	65962	65961	65963
MPA Designation	SMCA	SMR	SMR
Level of Protection	moderate low	very high	very high
SAT Evaluation Bioregion	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands
Area	7.30	11.54	12.76
Alongshore Span	2.01	3.05	0.95
ESI Shoreline	3.68	7.17	1.17
Min Depth	0.00	0.00	0.00
Max Depth	490.00	709.00	1655.00
Beaches	0.19	0.79	0.15
Rocky Shores	3.49	6.38	1.02
Hardened Shores	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.00
Surfgrass	1.29	3.64	0.92
Eelgrass	0.00	0.00	0.00
Estuary	0.00	0.00	0.00
soft 0 - 30m	0.23	0.87	0.47
soft 0 - 30m proxy	1.74	2.59	0.72
soft 30 - 100m	6.21	7.25	1.69
soft 100 - 200m	0.18	0.78	0.42
soft 200 - 3000m	0.00	0.00	0.02
hard 0 - 30m	0.11	0.27	0.11
hard 0 - 30m proxy	0.54	0.65	0.36
hard 30 - 100m	0.03	0.10	0.10
hard 100 - 200m	0.00	0.00	0.02
hard 200 - 3000m	0.00	0.00	0.00
unknown 0 - 30m	0.02	0.01	0.00
unknown 30 - 100m	0.01	0.00	0.07
unknown 100 - 200 m	0.52	1.48	1.28
unknown 200 - 3000m	0.00	0.77	8.58
Maximum kelp (linear)	0.61	1.46	0.76
Kelp (linear)	0.00	0.65	0.10