

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	How Measured	Total Available Habitat	Point Conception SMR	Coal Oil Point SMR	Devereux Lagoon SMR	Goleta Slough SMR	Point Mugu Estuary SMRMA
MPA ID			7342	7280	4282	7282	7283
MPA Designation			SMR	SMR	SMR	SMR	SMRMA
Level of Protection			very high	very high	very high	very high	very high
SAT Evaluation Bioregion			North Mainland	North Mainland	North Mainland	North Mainland	North Mainland
Area	sq miles	2,350.88	18.86	10.11	0.10	0.25	0.49
Alongshore Span	miles	NA	4.97	2.71	N/A	N/A	N/A
ESI Shoreline	miles	1,046.45	6.36	3.25	0.00	3.48	4.44
Min Depth	feet	0.00	0.00	0.00	N/A	0.00	0.00
Max Depth	feet	3,938.00	452.00	701.00	N/A	10.00	10.00
Beaches	miles	379.63	1.71	1.88	0.00	0.15	0.63
Rocky Shores	miles	280.72	4.65	1.37	0.00	0.00	0.00
Hardened Shores	miles	297.85	0.00	0.00	0.00	0.00	0.00
Coastal Marsh	miles	59.49	0.00	0.00	0.00	2.76	3.13
Coastal Marsh (area)	sq miles	6.11	0.00	0.00	0.02	0.19	0.26
Tidal Flats	miles	28.76	0.00	0.00	0.00	0.56	0.68
Surfgrass	miles	72.43	4.88	0.96	0.00	0.00	0.00
Eelgrass	sq miles	4.69	0.00	0.00	0.00	0.00	0.00
Estuary	sq miles	43.30	0.00	0.00	0.09	0.25	0.48
soft 0 - 30m	sq miles	437.18	3.53	0.81	0.00	0.00	0.00
soft 0 - 30m proxy	miles	362.57	2.15	1.09	0.00	0.00	0.00
soft 30 - 100m	sq miles	672.06	12.66	6.85	0.00	0.00	0.00
soft 100 - 200m	sq miles	158.39	0.74	1.37	0.00	0.00	0.00
soft 200 - 3000m	sq miles	234.34	0.00	0.04	0.00	0.00	0.00
hard 0 - 30m	sq miles	111.73	1.60	0.75	0.00	0.00	0.00
hard 0 - 30m proxy	miles	191.62	3.20	1.87	0.00	0.00	0.00
hard 30 - 100m	sq miles	47.79	0.09	0.04	0.00	0.00	0.00
hard 100 - 200m	sq miles	3.89	0.01	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
unknown 0 - 30m	sq miles	153.85	0.21	0.25	0.09	0.25	0.49
unknown 30 - 100m	sq miles	213.52	0.01	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
unknown 200 - 3000m	sq miles	201.99	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	miles	336.55	3.72	2.51	0.00	0.00	0.00
Kelp (linear)	miles	182.61	2.99	1.62	0.00	0.00	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Lechuza SMR	Point Dume SMCA	Point Vicente SMR	Point Fermin SMP	Bolsa Chica SMP	Upper Newport Bay SMP	Laguna North SMCA	Laguna SMR
MPA ID	66862	66855	66883	7290	7436	67118	7341	7289
MPA Designation	SMR	SMCA	SMR	SMP	SMP	SMP	SMCA	SMR
Level of Protection	very high	high	very high	moderate low	moderate low	moderate low	moderate low	very high
SAT Evaluation Bioregion	North Mainland	North Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	5.22	16.89	15.76	0.07	0.25	1.10	1.50	12.00
Alongshore Span	1.45	4.48	4.67	0.58	N/A	N/A	3.97	2.92
ESI Shoreline	1.57	5.28	3.45	0.54	4.40	9.42	4.77	3.44
Min Depth	0.00	0.00	0.00	0.00	N/A	N/A	0.00	0.00
Max Depth	1266.00	2023.00	2640.00	20.00	N/A	N/A	105.00	1801.00
Beaches	1.21	4.57	2.38	0.00	0.00	0.00	2.73	2.23
Rocky Shores	0.35	0.72	1.07	0.54	0.00	0.00	2.04	1.21
Hardened Shores	0.00	0.00	0.00	0.00	0.92	0.04	0.00	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	2.49	7.24	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.08	0.74	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.99	2.15	0.00	0.00
Surfgrass	0.21	0.75	0.74	0.00	0.00	0.00	0.30	0.43
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	0.25	1.10	0.00	0.00
soft 0 - 30m	0.69	1.81	0.72	0.00	0.00	0.00	0.74	0.85
soft 0 - 30m proxy	0.35	4.14	1.64	0.00	0.00	0.00	2.99	1.90
soft 30 - 100m	2.53	4.78	1.15	0.00	0.00	0.00	0.12	2.73
soft 100 - 200m	0.79	1.33	1.08	0.00	0.00	0.00	0.00	2.04
soft 200 - 3000m	0.82	7.52	12.31	0.00	0.00	0.00	0.00	5.88
hard 0 - 30m	0.34	0.17	0.43	0.07	0.00	0.00	0.12	0.19
hard 0 - 30m proxy	1.10	0.55	1.42	0.00	0.00	0.00	0.56	1.00
hard 30 - 100m	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00
hard 100 - 200m	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
hard 200 - 3000m	0.00	0.71	0.03	0.00	0.00	0.00	0.00	0.01
unknown 0 - 30m	0.02	0.54	0.05	0.00	0.25	1.10	0.51	0.30
unknown 30 - 100m	0.00	0.02	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	1.45	0.89	2.11	0.00	0.00	0.00	0.08	1.60
Kelp (linear)	1.30	0.00	0.30	0.11	0.00	0.00	0.00	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Laguna South SMCA	Agua Hedionda Lagoon SMR	Batiquitos Lagoon SMR	Encinitas SMCA	Del Mar SMR	San Dieguito SMR	Penasquitos SMR	San Diego-Scripps SMCA	La Jolla SMR
MPA ID	67070	66731	66735	67716	66725	66724	66727	66723	66722
MPA Designation	SMCA	SMR	SMR	SMCA	SMR	SMR	SMR	SMCA	SMR
Level of Protection	moderate low	very high	very high	moderate low	very high	very high	very high	moderate low	very high
SAT Evaluation Bioregion	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	2.65	0.04	0.67	0.11	13.25	0.52	0.35	0.11	0.77
Alongshore Span	6.23	N/A	N/A	0.91	3.74	N/A	N/A	0.52	1.14
ESI Shoreline	8.06	0.00	0.00	0.92	3.75	2.14	3.77	0.52	2.03
Min Depth	0.00	N/A	0.00	0.00	0.00	N/A	N/A	0.00	0.00
Max Depth	93.00	N/A	10.00	10.00	1092.00	N/A	N/A	10.00	214.00
Beaches	4.54	0.00	0.00	0.46	3.57	0.48	0.08	0.39	1.12
Rocky Shores	3.42	0.00	0.00	0.43	0.18	0.00	0.00	0.12	0.91
Hardened Shores	0.10	0.00	0.00	0.04	0.00	0.27	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	0.00	0.73	3.65	0.00	0.00
Coastal Marsh (area)	0.00	0.01	0.11	0.00	0.00	0.16	0.31	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.00	0.66	0.04	0.00	0.00
Surfgrass	1.74	0.00	0.00	0.26	0.23	0.00	0.00	0.51	0.99
Eelgrass	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.04	0.67	0.00	0.00	0.52	0.35	0.00	0.00
soft 0 - 30m	1.46	0.00	0.01	0.08	3.74	0.00	0.00	0.10	0.45
soft 0 - 30m proxy	4.23	0.00	0.00	0.00	2.59	0.00	0.00	0.05	1.04
soft 30 - 100m	0.00	0.00	0.00	0.00	3.84	0.00	0.00	0.00	0.19
soft 100 - 200m	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00
soft 200 - 3000m	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00
hard 0 - 30m	0.44	0.00	0.00	0.03	0.40	0.00	0.00	0.00	0.11
hard 0 - 30m proxy	1.21	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.07
hard 30 - 100m	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.01
hard 100 - 200m	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.75	0.04	0.66	0.00	0.08	0.52	0.35	0.00	0.01
unknown 30 - 100m	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
unknown 100 - 200 m	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
unknown 200 - 3000m	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.93	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.39
Kelp (linear)	0.58	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Little Bird Rock SMR	Ocean Beach SMCA	Sunset Cliffs SMR	Cabrillo SMR	Sweetwater Marsh SMR	South San Diego Bay SMCA	Tijuana Reef SMCA
MPA ID	66925	67378	66917	66721	66715	66714	66713
MPA Designation	SMR	SMCA	SMR	SMR	SMR	SMCA	SMCA
Level of Protection	very high	moderate high	very high	very high	very high	moderate low	moderate high
SAT Evaluation Bioregion	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
Area	0.45	1.51	8.92	0.38	0.31	1.09	1.14
Alongshore Span	1.18	0.38	2.57	1.26	N/A	N/A	1.15
ESI Shoreline	1.77	0.51	3.33	1.42	0.57	5.42	1.15
Min Depth	0.00	0.00	0.00	0.00	N/A	N/A	0.00
Max Depth	29.00	242.00	336.00	30.00	N/A	N/A	42.00
Beaches	0.62	0.29	0.92	0.44	0.00	0.30	1.15
Rocky Shores	1.14	0.17	1.99	0.97	0.00	0.00	0.00
Hardened Shores	0.00	0.05	0.42	0.00	0.00	4.35	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	0.16	0.40	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.15	0.02	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.41	0.33	0.00
Surfgrass	1.70	0.15	1.45	1.36	0.00	0.00	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.01	0.06	0.00
Estuary	0.00	0.00	0.00	0.00	0.31	1.09	0.00
soft 0 - 30m	0.08	0.48	0.60	0.03	0.00	0.00	0.50
soft 0 - 30m proxy	0.00	0.40	0.02	0.00	0.00	0.00	0.01
soft 30 - 100m	0.00	0.42	2.09	0.00	0.00	0.00	0.00
soft 100 - 200m	0.00	0.00	0.13	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
hard 0 - 30m	0.37	0.18	2.74	0.30	0.00	0.00	0.33
hard 0 - 30m proxy	0.06	0.00	2.51	0.21	0.00	0.00	1.18
hard 30 - 100m	0.00	0.03	0.39	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
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.00	0.04	0.05	0.31	1.09	0.31
unknown 30 - 100m	0.00	0.40	2.89	0.00	0.00	0.00	0.00
unknown 100 - 200 m	0.00	0.00	0.02	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
Maximum kelp (linear)	0.00	0.19	2.76	0.00	0.00	0.00	0.16
Kelp (linear)	0.00	0.00	2.17	0.00	0.00	0.00	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Tijuana River Mouth SMR	Tijuana River Estuary SMR	Arrow Point-Lion's Head SMCA	Catalina Harbor SMCA	Santa Catalina Marine Science Center SMR	Long Point SMCA
MPA ID	66712	7291	67056	67194	67055	67163
MPA Designation	SMR	SMR	SMCA	SMCA	SMR	SMCA
Level of Protection	very high	very high	moderate low	low	very high	high
SAT Evaluation Bioregion	South Mainland	South Mainland	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands
Area	2.91	0.75	0.44	0.32	1.31	15.69
Alongshore Span	2.29	N/A	2.59	0.70	2.17	5.27
ESI Shoreline	2.18	11.63	3.63	3.04	3.52	0.00
Min Depth	0.00	N/A	0.00	0.00	0.00	307.00
Max Depth	55.00	N/A	140.00	186.00	691.00	2735.00
Beaches	2.18	0.48	1.19	1.34	1.61	0.00
Rocky Shores	0.00	0.00	2.45	1.07	1.86	0.00
Hardened Shores	0.00	0.00	0.00	0.05	0.05	0.00
Coastal Marsh	0.00	9.90	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.50	0.00	0.00	0.00	0.00
Tidal Flats	0.00	1.25	0.00	0.59	0.00	0.00
Surfgrass	0.00	0.00	1.42	0.00	1.68	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.75	0.00	0.00	0.00	0.00
soft 0 - 30m	2.09	0.01	0.22	0.06	0.27	0.00
soft 0 - 30m proxy	1.68	0.00	1.27	0.90	1.94	0.00
soft 30 - 100m	0.00	0.00	0.01	0.08	0.47	0.01
soft 100 - 200m	0.00	0.00	0.00	0.00	0.43	0.85
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.04	14.53
hard 0 - 30m	0.59	0.00	0.17	0.04	0.08	0.00
hard 0 - 30m proxy	0.76	0.00	1.36	0.10	0.88	0.00
hard 30 - 100m	0.00	0.00	0.00	0.00	0.01	0.00
hard 100 - 200m	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	0.08
unknown 0 - 30m	0.23	0.73	0.05	0.14	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	0.00	0.00	0.00	0.00	0.00	0.23
Maximum kelp (linear)	0.37	0.00	1.52	0.40	2.50	0.00
Kelp (linear)	0.00	0.00	0.73	0.29	1.40	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Long Point SMR	Farnsworth Bank SMCA	China Point SMR	Casino Point SMR	Lovers Cove SMCA	Begg Rock SMR
MPA ID	67054	67046	67050	7243	5521	7272
MPA Designation	SMR	SMCA	SMR	SMR	SMCA	SMR
Level of Protection	very high	high	very high	very high	low	very high
SAT Evaluation Bioregion	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	West Channel Islands
Area	2.68	10.83	6.55	0.01	0.05	37.96
Alongshore Span	2.71	9.25	6.53	0.15	0.34	6.94
ESI Shoreline	3.01	0.00	5.41	0.09	0.23	0.00
Min Depth	0.00	125.00	0.00	73.00	96.00	219.00
Max Depth	950.00	2953.00	705.00	73.00	125.00	374.00
Beaches	1.58	0.00	4.09	0.00	0.10	0.00
Rocky Shores	1.42	0.00	1.33	0.05	0.12	0.00
Hardened Shores	0.00	0.00	0.00	0.04	0.01	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	0.22	0.00	1.80	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	0.18	0.00	1.48	0.00	0.02	0.00
soft 0 - 30m proxy	1.65	0.00	3.89	0.02	0.19	0.00
soft 30 - 100m	0.87	4.71	3.95	0.00	0.02	22.22
soft 100 - 200m	0.99	1.91	0.47	0.00	0.00	11.58
soft 200 - 3000m	0.53	3.65	0.06	0.00	0.00	0.00
hard 0 - 30m	0.07	0.00	0.40	0.00	0.01	0.00
hard 0 - 30m proxy	1.13	0.00	2.16	0.08	0.18	0.00
hard 30 - 100m	0.02	0.55	0.02	0.00	0.00	4.10
hard 100 - 200m	0.00	0.01	0.00	0.00	0.00	0.07
hard 200 - 3000m	0.00	0.01	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.00	0.18	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	0.01	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
Maximum kelp (linear)	2.60	0.00	4.85	0.10	0.41	0.00
Kelp (linear)	0.20	0.00	2.97	0.02	0.11	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	San Clemente Pending Military Closure 1	San Clemente Pending Military Closure 2	Richardson Rock SMR	Judith Rock SMR	Harris Point SMR	South Point SMR
MPA ID	67071	67072	7244	7255	7245	7254
MPA Designation	Undesignated	Undesignated	SMR	SMR	SMR	SMR
Level of Protection	N/A	N/A	very high	very high	very high	very high
SAT Evaluation Bioregion	East Channel Islands	East Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands
Area	17.44	19.24	40.69	4.55	25.35	13.05
Alongshore Span	3.93	5.37	6.31	1.23	5.38	3.55
ESI Shoreline	1.83	6.13	0.00	2.19	9.28	4.79
Min Depth	0.00	0.00	95.00	0.00	0.00	0.00
Max Depth	1682.00	3938.00	558.00	487.00	557.00	1071.00
Beaches	0.79	5.25	0.00	0.48	1.81	1.45
Rocky Shores	1.04	0.77	0.00	1.71	7.48	3.34
Hardened Shores	0.00	0.11	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	0.63	2.46	0.00	0.00	2.32	1.74
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	0.01	0.00	0.00	0.21	1.80	1.22
soft 0 - 30m proxy	0.00	1.30	0.00	0.46	5.60	1.70
soft 30 - 100m	0.96	0.00	0.52	1.56	15.93	3.51
soft 100 - 200m	0.00	0.00	0.09	0.00	2.54	5.34
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.05
hard 0 - 30m	1.17	0.62	0.00	0.48	0.86	0.55
hard 0 - 30m proxy	2.45	4.57	0.00	0.80	1.96	2.05
hard 30 - 100m	1.04	0.03	0.20	0.07	2.40	0.26
hard 100 - 200m	0.00	0.00	0.04	0.00	0.25	0.01
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.01	0.45	0.03	0.04	1.18	0.06
unknown 30 - 100m	3.73	2.16	27.66	0.16	0.34	0.01
unknown 100 - 200 m	4.84	1.58	12.15	2.02	0.05	0.25
unknown 200 - 3000m	5.67	14.41	0.00	0.00	0.00	1.79
Maximum kelp (linear)	2.96	5.47	0.44	1.22	4.12	3.67
Kelp (linear)	2.75	4.26	0.00	0.96	2.30	3.25

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Carrington Point SMR	Skunk Point SMR	Painted Cave SMCA	Gull Island SMR	Scorpion SMR	Footprint SMR
MPA ID	7246	7256	7251	7252	7253	7247
MPA Designation	SMR	SMR	SMCA	SMR	SMR	SMR
Level of Protection	very high	very high	moderate low	very high	very high	very high
SAT Evaluation Bioregion	West Channel Islands	West Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands
Area	12.76	1.39	1.78	19.91	9.62	7.05
Alongshore Span	4.02	2.18	1.94	4.78	2.59	4.74
ESI Shoreline	6.16	2.51	3.05	3.98	4.65	0.00
Min Depth	0.00	0.00	0.00	0.00	0.00	171.00
Max Depth	211.00	83.00	291.00	2205.00	769.00	1656.00
Beaches	0.81	1.77	0.00	2.10	0.67	0.00
Rocky Shores	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
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	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
Estuary	0.00	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	7.15	0.71	0.05	1.90	0.37	0.00
soft 0 - 30m proxy	3.32	2.09	1.96	2.77	2.28	0.00
soft 30 - 100m	3.82	0.00	0.12	3.77	4.88	1.16
soft 100 - 200m	0.00	0.00	0.00	3.20	0.18	0.27
soft 200 - 3000m	0.00	0.00	0.00	1.43	0.00	0.00
hard 0 - 30m	1.35	0.08	0.04	0.78	0.17	0.00
hard 0 - 30m proxy	1.97	0.18	0.01	2.36	0.69	0.00
hard 30 - 100m	0.27	0.00	0.00	0.12	0.33	0.11
hard 100 - 200m	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
unknown 0 - 30m	0.16	0.61	0.28	0.09	0.04	0.00
unknown 30 - 100m	0.00	0.00	1.29	0.00	0.03	0.06
unknown 100 - 200 m	0.00	0.00	0.00	0.21	2.05	1.53
unknown 200 - 3000m	0.00	0.00	0.00	8.28	1.58	3.90
Maximum kelp (linear)	3.68	1.00	0.24	3.29	2.00	0.00
Kelp (linear)	1.24	0.67	0.00	1.88	0.05	0.00

California MLPA South Coast Project
Habitat Calculations for Opal Draft MPA Proposal
Document Revision Date June 10, 2009

	Anacapa Island SMCA	Anacapa Island SMR	Santa Barbara Island SMR
MPA ID	7249	7248	7250
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