California Marine Life Protection Act Initiative
Habitat Calculations for Draft External Proposal A, January 2, 2008 Version
Revised January 7, 2008

	How Measured	Arena Rock SMR	Arena Rock SMCA	Black Point SMR	Black Point SMCA	Gerstle Cove SMR	Russian River SMR	Bodega Head SMR	Bodega Head SMCA	Estero Americano SMR	Estero San Antonio SMR	Tomales Bay SMR	Point Reyes SMR	Point Reyes SMCA
GIS Identification Number		XA17	XA18	XA25	XA26	XA20	XA27	XA40	XA41	XA22	XA23	XA30	XA31	XA32
MPA Classification		SMR	SMCA	SMR	SMCA	SMR	SMR	SMR	SMCA	SMR	SMR	SMR	SMR	SMCA
SAT Level of Protection		10	8	10	6	10	10	10	6	10	10	10	10	6
SAT Evaluation Subregion		North	North	North	North	North	North	North	North	North	North	North	South	South
SAT Cluster ID		XA_C1	XA_C1	XA_C2	XA_C2	XA_C3	XA_C4	XA_C5	XA_C5	XA_C6	XA_C7	XA_C10	XA_C8	XA_C8
Area	Area (mi2)	5.23	7.60	5.34	22.35	0.01	1.28	5.60	18.88	0.15	0.09	1.62	4.83	13.19
Alongshore Span	Linear (mi)	3.4	3.4	6.86	6.7	0.2	2.7	3.9	6.7	1.2	1.2	5.2	4.2	7.6
ESI Shoreline Length	Linear (mi)	2.12	0.00	12.23	0.10	0.42	6.19	3.00	0.66	1.27	1.94	9.55	8.02	0.00
Minimum Depth	Feet	0.00	153.00	0.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00
Maximum Depth	Feet	175.00	324.00	174.00	298.00	10.00	59.00	199.00	267.00	10.00	10.00	10.00	132.00	217.00
Sandy or gravel beaches	Linear (mi)	0.05	0.00	1.91	0.00	0.04	3.10	0.33	0.19	0.41	0.57	1.27	2.49	0.00
Rocky intertidal and cliff	Linear (mi)	2.07	0.00	10.32	0.10	0.38	0.66	2.67	0.47	0.44	0.46	0.00	5.53	0.00
Coastal marsh	Linear (mi)	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00	0.42	0.00	7.56	0.00	0.00
Tidal flats	Linear (mi)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.72	0.00	0.00
Surfgrass	Linear (mi)	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.67	0.00	0.00	0.00	7.05	0.00
Eelgrass	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.13	0.00	0.00
Estuary	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.14	0.09	1.59	0.00	0.00
soft 0 - 30m	Area (mi2)	0.03	0.00	0.49	0.24	0.00	0.35	1.08	0.08	0.15	0.09	1.61	1.21	0.62
soft 30 - 100m	Area (mi2)	2.09	7.25	2.08	20.94	0.00	0.00	0.40	11.80	0.00	0.00	0.00	1.55	12.22
soft 100 - 200m	Area (mi2)	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 200 - 3000m	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	Area (mi2)	0.31	0.00	0.80	0.05	0.00	0.02	1.83	0.98	0.00	0.00	0.00	0.19	0.08
hard 30 - 100m	Area (mi2)	1.58	0.27	0.38	1.01	0.00	0.00	1.88	5.88	0.00	0.00	0.00	0.11	0.25
hard 100 - 200m	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 200 - 3000m	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	Area (mi2)	1.20	0.00	1.56	0.11	0.01	0.91	0.42	0.06	0.00	0.00	0.01	1.77	0.02
unknown 30 - 100m	Area (mi2)	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
unknown 100 - 200m	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 200 - 3000m	Area (mi2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard substrate at 20m isobath	Linear (mi)	2.50	0.00	2.53	0.54	0.00	0.00	2.91	1.60	0.00	0.00	0.00	1.57	0.38
soft substrate at 20m isobath	Linear (mi)	0.39	0.00	3.91	0.85	0.00	0.00	1.14	0.01	0.00	0.00	0.00	2.41	1.05
Kelp 1989	Area (mi2)	0.10	0.00	0.27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 1999	Area (mi2)	0.11	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2002	Area (mi2)	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2003	Area (mi2)	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2004	Area (mi2)	0.03	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2005	Area (mi2)	0.05	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Kelp	Area (mi2)	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	Drakes Bay SMCA	Limantour SMR	Bolinas Lagoon SMR	Fitzgerald SMR	Fitzgerald SMCA	Southeast Farallone SMR	Southeast Farallone SMCA
GIS Identification Number	XA24	XA42	XA33	XA43	XA44	XA36	XA38
MPA Classification	SMCA	SMR	SMR	SMR	SMCA	SMR	SMCA
SAT Level of Protection	4	10	10	10	6	10	6
SAT Evaluation Subregion	South	South	South	South	South	Farallones	Farallones
SAT Cluster ID	XA_C9	XA_C9	XA_C11	XA_C13	XA_C13	XA_C12	XA_C12
Area	3.11	0.91	1.74	5.00	8.20	4.04	11.42
Alongshore Span	15.2	7.5	2.3	3.4	3.4	3.2	0.4
ESI Shoreline Length	21.01	10.81	10.21	4.59	0.00	6.16	0.00
Minimum Depth	0.00	0.00	0.00	0.00	87.00	0.00	45.00
Maximum Depth	10.00	10.00	10.00	131.00	172.00	176.00	382.00
Sandy or gravel beaches	0.50	0.34	0.08	0.76	0.00	0.08	0.00
Rocky intertidal and cliff	6.04	1.14	0.00	3.84	0.00	6.07	0.00
Coastal marsh	12.40	6.62	6.88	0.00	0.00	0.00	0.00
Tidal flats	2.07	2.72	3.24	0.00	0.00	0.00	0.00
Surfgrass	0.00	0.00	0.00	3.84	0.00	0.40	0.00
Eelgrass	2.86	0.82	0.00	0.00	0.00	0.00	0.00
Estuary	3.02	0.82	1.73	0.00	0.00	0.00	0.00
soft 0 - 30m	3.07	0.90	1.74	0.43	0.06	0.14	0.00
soft 30 - 100m	0.00	0.00	0.00	0.96	7.77	1.85	7.70
soft 100 - 200m	0.00	0.00	0.00	0.00	0.00	0.00	2.90
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.00	0.00	0.00	1.10	0.06	0.68	0.19
hard 30 - 100m	0.00	0.00	0.00	0.52	0.30	1.36	0.63
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	0.03	0.00	0.00	1.99	0.00	0.00	0.00
unknown 30 - 100m	0.00	0.00	0.00	0.00	0.01	0.00	0.00
unknown 100 - 200m	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
hard substrate at 20m isobath	0.00	0.00	0.00	3.06	0.00	3.09	1.03
soft substrate at 20m isobath	0.00	0.00	0.00	1.05	0.00	0.28	0.05
Kelp 1989	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 1999	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelp 2004	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Kelp 2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Kelp	0.00	0.00	0.00	0.00	0.00	0.00	0.00