

California MLPA North Coast Project
Round 3: Habitat Calculations for the NCRSG MPA Proposal
Spreadsheet Created on: September 15, 2010

	How Measured	Total Available Habitat	Pyramid Point SMCA	Point St. George Reef	Reading Rock SMR	Reading Rock SMCA	Samoa SMCA
MPA ID			1004543	1004545	1004638	1004639	1004558
MPA Designation			SMCA	SMCA	SMR	SMCA	SMCA
Preliminary Level of Protection (LOP)*			Low	Moderate High	Very High	Low	Moderate low
SAT Evaluation Bioregion			Northern	Northern	Northern	Northern	Northern
Area	sq miles	1,027.23	14.02	9.52	9.57	11.84	13.02
Alongshore Span	miles	NA	2.9	3.5	2.9	2.9	3.6
ESI Shoreline	miles	516.66	2.98	0.00	0.00	3.05	3.69
Min Depth	feet	0.00	0.00	176.00	147.00	0.00	0.00
Max Depth	feet	1,667.00	124.00	399.00	253.00	165.00	158.00
Beaches	miles	180.42	2.98	0.00	0.00	2.83	3.69
Hardened Shores	miles	22.10	0.00	0.00	0.00	0.00	0.00
Rocky Shores**	miles	159.08	0.00	0.00	0.00	0.22	0.00
Coastal Marsh	miles	88.60	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	sq miles	3.51	0.00	0.00	0.00	0.00	0.00
Tidal Flats	miles	66.46	0.00	0.00	0.00	0.00	0.00
Humboldt Eelgrass	sq miles	7.07	0.00	0.00	0.00	0.00	0.00
Estuary***	sq miles	43.49	0.00	0.00	0.00	0.00	0.00
Offshore Rocks**	miles	54.92	0.64	0.00	0.00	0.51	0.00
Canyon	sq miles	7.58	0.00	0.00	0.00	0.00	0.00
Linear Kelp	miles	52.10	0.00	0.00	0.00	0.00	0.00
Hard (0 - 30m) Proxy	miles	54.54	0.21	0.00	0.00	0.08	0.00
Hard (0 - 30m)	sq miles	32.24	0.70	0.00	0.00	0.07	0.00
Hard (30 - 100m)	sq miles	33.56	0.00	0.38	0.16	0.00	0.00
Hard (100 - 200m)	sq miles	0.69	0.00	0.00	0.00	0.00	0.00
Hard (> 200m)	sq miles	0.07	0.00	0.00	0.00	0.00	0.00
Soft (0 - 30m) Proxy	miles	177.95	2.71	0.00	0.00	2.82	3.66
Soft (0 - 30m)	sq miles	302.92	10.08	0.00	0.00	6.29	5.14
Soft (30 - 100m)	sq miles	455.95	1.43	7.34	9.40	3.74	6.14
Soft (100 - 200m)	sq miles	62.79	0.00	1.80	0.00	0.00	0.00
Soft (> 200m)	sq miles	7.68	0.00	0.00	0.00	0.00	0.00
Unknown (0 - 30m)	sq miles	127.87	1.53	0.00	0.00	1.75	1.74
Unknown (30 - 100m)	sq miles	3.10	0.28	0.00	0.01	0.00	0.00
Unknown (100 - 200m)	sq miles	0.15	0.00	0.00	0.00	0.00	0.00
Unknown (> 200m)	sq miles	0.20	0.00	0.00	0.00	0.00	0.00

SMCA = state marine conservation area SMP = state marine park SMR = state marine reserve SMRMA = state marine recreational management area

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	South Humboldt Bay SMRMA	South Cape Mendocino SMR	Mattole Canyon SMR	Sea Lion Gulch SMR	Big Flat SMCA	Vizcaino SMCA	Ten Mile SMR
MPA ID	1004766	1004565	1004572	1004643	1004644	1004765	1004761
MPA Designation	SMRMA	SMR	SMR	SMR	SMCA	SMCA	SMR
Preliminary Level of Protection (LOP)*	Moderate low	Very High	Very High	Very High	Low	Low	Very High
SAT Evaluation Bioregion	Northern	Northern	Northern and Southern	Southern	Southern	Southern	Southern
Area	0.79	9.07	9.76	10.36	11.51	18.47	11.97
Alongshore Span	N/A	1.4	3.5	2.0	2.5	4.9	3.1
ESI Shoreline	1.46	1.59	0.00	1.79	3.21	6.08	8.22
Min Depth	N/A	0.00	82.00	0.00	0.00	0.00	0.00
Max Depth	N/A	277.00	1646.00	375.00	1110.00	391.00	343.00
Beaches	0.00	0.93	0.00	0.25	1.86	2.85	1.37
Hardened Shores	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rocky Shores**	0.00	0.66	0.00	1.54	1.35	3.23	6.85
Coastal Marsh	1.46	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.04	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
Humboldt Eelgrass	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Estuary***	0.79	0.00	0.00	0.00	0.00	0.00	0.00
Offshore Rocks**	0.00	0.58	0.00	0.48	0.00	0.98	1.29
Canyon	0.00	0.00	1.51	0.00	0.67	0.00	0.00
Linear Kelp	0.00	0.00	0.00	0.19	0.02	1.73	2.43
Hard (0 - 30m) Proxy	0.00	0.28	0.00	0.56	0.23	1.35	1.10
Hard (0 - 30m)	0.00	0.16	0.01	0.12	0.06	0.72	0.47
Hard (30 - 100m)	0.00	2.99	0.41	2.86	0.01	0.09	0.50
Hard (100 - 200m)	0.00	0.00	0.13	0.12	0.01	0.00	0.00
Hard (> 200m)	0.00	0.00	0.02	0.00	0.01	0.00	0.00
Soft (0 - 30m) Proxy	0.00	1.22	0.00	2.01	2.74	3.58	2.00
Soft (0 - 30m)	0.00	1.31	0.04	1.50	2.07	3.28	1.66
Soft (30 - 100m)	0.00	3.82	5.74	3.85	5.09	11.20	8.13
Soft (100 - 200m)	0.00	0.00	1.78	1.08	2.98	2.11	0.46
Soft (> 200m)	0.00	0.00	1.61	0.00	0.59	0.00	0.00
Unknown (0 - 30m)	0.79	0.80	0.00	0.83	0.70	1.06	0.74
Unknown (30 - 100m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown (100 - 200m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown (> 200m)	0.00	0.00	0.02	0.00	0.00	0.00	0.00

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	Ten Mile Beach SMCA	Ten Mile Estuary SMRMA
MPA ID	1004762	1004651
MPA Designation	SMCA	SMRMA
Preliminary Level of Protection (LOP)*	Low	Very High
SAT Evaluation Bioregion	Southern	Southern
Area	3.54	0.18
Alongshore Span	0.9	N/A
ESI Shoreline	1.03	3.19
Min Depth	0.00	N/A
Max Depth	288.00	N/A
Beaches	1.00	0.40
Hardened Shores	0.00	0.00
Rocky Shores**	0.03	0.48
Coastal Marsh	0.00	2.30
Coastal Marsh (area)	0.00	0.05
Tidal Flats	0.00	0.00
Humboldt Eelgrass	0.00	0.00
Estuary***	0.00	0.18
Offshore Rocks**	0.01	0.00
Canyon	0.00	0.00
Linear Kelp	0.00	0.00
Hard (0 - 30m) Proxy	0.03	0.00
Hard (0 - 30m)	0.00	0.00
Hard (30 - 100m)	0.00	0.00
Hard (100 - 200m)	0.00	0.00
Hard (> 200m)	0.00	0.00
Soft (0 - 30m) Proxy	0.90	0.00
Soft (0 - 30m)	0.71	0.00
Soft (30 - 100m)	2.45	0.00
Soft (100 - 200m)	0.00	0.00
Soft (> 200m)	0.00	0.00
Unknown (0 - 30m)	0.37	0.18
Unknown (30 - 100m)	0.00	0.00
Unknown (100 - 200m)	0.00	0.00
Unknown (> 200m)	0.00	0.00

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