

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

	How Measured	Total Available Habitat	Point Conception SMR	Refugio SMCA	Naples SMCA	Helo SMR	Devereux Lagoon SMR	Goleta Slough SMR	Carpinteria Salt Marsh SMR
<b>MPA ID</b>			67114	68868	68869	68873	68935	68936	68924
<b>MPA Designation</b>			SMR	SMCA	SMCA	SMR	SMR	SMR	SMR
<b>Level of Protection</b>			very high	low	moderate high	very high	very high	very high	very high
<b>SAT Evaluation Bioregion</b>			North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland
<b>Area</b>	sq miles	2,350.88	26.05	0.85	2.56	12.62	0.09	0.25	0.28
<b>Alongshore Span</b>	miles	NA	6.63	2.13	1.91	3.32	N/A	N/A	N/A
<b>ESI Shoreline</b>	miles	1,046.45	5.65	2.31	2.08	4.31	0.00	3.46	0.83
<b>Min Depth</b>	feet	0.00	0.00	0.00	0.00	0.00	N/A	0.00	N/A
<b>Max Depth</b>	feet	3,938.00	489.00	51.00	162.00	701.00	N/A	10.00	N/A
<b>Beaches</b>	miles	379.63	1.71	1.14	0.69	2.94	0.00	0.13	0.00
<b>Rocky Shores</b>	miles	280.72	3.94	1.17	1.38	1.38	0.00	0.00	0.00
<b>Hardened Shores</b>	miles	297.85	0.00	0.00	0.00	0.00	0.00	0.00	0.18
<b>Coastal Marsh</b>	miles	59.49	0.00	0.00	0.00	0.00	0.00	2.76	0.61
<b>Coastal Marsh (area)</b>	sq miles	6.11	0.00	0.00	0.00	0.00	0.02	0.19	0.25
<b>Tidal Flats</b>	miles	28.76	0.00	0.00	0.00	0.00	0.00	0.56	0.03
<b>Surfgrass</b>	miles	72.43	4.10	1.42	1.90	1.30	0.00	0.00	0.00
<b>Eelgrass</b>	sq miles	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Estuary</b>	sq miles	43.30	0.00	0.00	0.00	0.00	0.09	0.25	0.28
<b>soft 0 - 30m</b>	sq miles	437.18	2.74	0.58	1.54	1.05	0.00	0.00	0.00
<b>soft 0 - 30m proxy</b>	miles	362.57	1.90	1.65	0.75	1.48	0.00	0.00	0.00
<b>soft 30 - 100m</b>	sq miles	672.06	18.00	0.00	0.38	8.65	0.00	0.00	0.00
<b>soft 100 - 200m</b>	sq miles	158.39	3.26	0.00	0.00	1.53	0.00	0.00	0.00
<b>soft 200 - 3000m</b>	sq miles	234.34	0.00	0.00	0.00	0.04	0.00	0.00	0.00
<b>hard 0 - 30m</b>	sq miles	111.73	1.18	0.20	0.56	0.87	0.00	0.00	0.00
<b>hard 0 - 30m proxy</b>	miles	191.62	2.77	0.49	1.28	2.15	0.00	0.00	0.00
<b>hard 30 - 100m</b>	sq miles	47.79	0.33	0.00	0.00	0.05	0.00	0.00	0.00
<b>hard 100 - 200m</b>	sq miles	3.89	0.10	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 200 - 3000m</b>	sq miles	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	sq miles	153.85	0.21	0.07	0.08	0.43	0.09	0.25	0.28
<b>unknown 30 - 100m</b>	sq miles	213.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 100 - 200 m</b>	sq miles	113.01	0.20	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 200 - 3000m</b>	sq miles	201.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Maximum kelp (linear)</b>	miles	336.55	2.76	1.42	2.22	3.23	0.00	0.00	0.00
<b>Kelp (linear)</b>	miles	182.61	2.03	0.52	1.59	1.62	0.00	0.00	0.00

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

	Ventura River Mouth SMCA	Santa Clara Rivermouth SMCA	Magu/ Muwu Lagoon SMRMA	Deer Creek SMCA	Sequit SMCA	Point Dume SMCA	Point Dume SMR	Palos Verdes SMR	Point Fermin SMP
<b>MPA ID</b>	68934	68923	68927	68170	68171	67512	67513	66838	66687
<b>MPA Designation</b>	SMCA	SMCA	SMRMA	SMCA	SMCA	SMCA	SMR	SMR	SMP
<b>Level of Protection</b>	high	high	high	Moderate-high	moderate-low	high	very high	very high	moderate low
<b>SAT Evaluation Bioregion</b>	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	South Mainland	South Mainland
<b>Area</b>	0.02	0.17	1.46	9.46	1.30	9.02	6.50	13.97	0.12
<b>Alongshore Span</b>	N/A	N/A	N/A	2.53	1.92	2.29	1.71	3.80	0.58
<b>ESI Shoreline</b>	0.00	1.00	11.31	2.74	2.03	2.49	2.82	3.21	0.70
<b>Min Depth</b>	N/A	N/A	N/A	0.00	0.00	0.00	0.00	0.00	0.00
<b>Max Depth</b>	N/A	N/A	N/A	708.00	95.00	2023.00	1976.00	2477.00	23.00
<b>Beaches</b>	0.00	0.05	1.00	1.79	1.93	2.49	1.32	2.46	0.09
<b>Rocky Shores</b>	0.00	0.00	0.00	0.00	0.09	0.00	1.50	0.75	0.61
<b>Hardened Shores</b>	0.00	0.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh</b>	0.00	0.00	9.36	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh (area)</b>	0.00	0.13	0.72	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tidal Flats</b>	0.00	0.95	0.90	0.00	0.00	0.00	0.00	0.00	0.00
<b>Surfgrass</b>	0.00	0.00	0.00	1.04	0.16	0.00	1.18	0.32	0.00
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Estuary</b>	0.02	0.17	1.46	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 0 - 30m</b>	0.00	0.00	0.00	2.09	0.66	1.12	0.52	0.87	0.00
<b>soft 0 - 30m proxy</b>	0.00	0.00	0.00	1.82	0.65	2.42	1.54	0.83	0.00
<b>soft 30 - 100m</b>	0.00	0.00	0.00	4.93	0.00	2.48	0.84	2.54	0.00
<b>soft 100 - 200m</b>	0.00	0.00	0.00	1.86	0.00	0.59	0.56	1.58	0.00
<b>soft 200 - 3000m</b>	0.00	0.00	0.00	0.04	0.00	4.47	3.13	8.42	0.00
<b>hard 0 - 30m</b>	0.00	0.00	0.00	0.35	0.55	0.01	0.42	0.52	0.10
<b>hard 0 - 30m proxy</b>	0.00	0.00	0.00	0.92	1.32	0.07	0.40	2.04	0.00
<b>hard 30 - 100m</b>	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
<b>hard 100 - 200m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00
<b>unknown 0 - 30m</b>	0.02	0.17	1.46	0.08	0.09	0.34	0.11	0.04	0.01
<b>unknown 30 - 100m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
<b>unknown 100 - 200 m</b>	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
<b>unknown 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
<b>Maximum kelp (linear)</b>	0.00	0.00	0.00	2.06	1.95	0.00	1.34	2.27	0.23
<b>Kelp (linear)</b>	0.00	0.00	0.00	1.20	1.55	0.00	0.54	0.28	0.58

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

	<b>Bolsa Chica SMP</b>	<b>Upper Newport Bay SMP</b>	<b>Crystal Cove SMCA</b>	<b>Laguna SMR</b>	<b>Three Arch Bay SMCA</b>	<b>Dana Point SMCA</b>	<b>Doheny Beach SMCA</b>	<b>Agua Hedionda Lagoon SMR</b>	<b>Batiquitos Lagoon SMR</b>
<b>MPA ID</b>	66922	68919	67715	66906	67718	67717	67720	68902	68903
<b>MPA Designation</b>	SMP	SMP	SMCA	SMR	SMCA	SMCA	SMCA	SMR	SMR
<b>Level of Protection</b>	moderate low	moderate low	low	very high	low	low	moderate low	very high	very high
<b>SAT Evaluation Bioregion</b>	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
<b>Area</b>	0.25	1.10	3.04	16.88	0.41	1.08	0.28	0.14	0.67
<b>Alongshore Span</b>	N/A	N/A	3.40	5.06	2.15	2.46	0.87	N/A	N/A
<b>ESI Shoreline</b>	4.40	9.42	3.84	7.10	3.18	3.18	1.37	0.05	0.00
<b>Min Depth</b>	N/A	N/A	0.00	0.00	0.00	0.00	0.00	N/A	0.00
<b>Max Depth</b>	N/A	N/A	224.00	1635.00	49.00	63.00	13.00	N/A	10.00
<b>Beaches</b>	0.00	0.00	1.98	4.16	1.84	1.96	0.93	0.00	0.00
<b>Rocky Shores</b>	0.00	0.00	1.58	2.84	1.34	1.04	0.14	0.00	0.00
<b>Hardened Shores</b>	0.92	0.04	0.18	0.10	0.00	0.21	0.10	0.00	0.00
<b>Coastal Marsh</b>	2.49	7.24	0.00	0.00	0.00	0.00	0.00	0.05	0.00
<b>Coastal Marsh (area)</b>	0.08	0.74	0.00	0.00	0.00	0.00	0.00	0.03	0.11
<b>Tidal Flats</b>	0.99	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Surfgrass</b>	0.00	0.00	0.01	0.92	0.61	0.95	0.00	0.00	0.00
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
<b>Estuary</b>	0.25	1.10	0.00	0.00	0.00	0.00	0.00	0.14	0.67
<b>soft 0 - 30m</b>	0.00	0.00	0.82	1.72	0.14	0.33	0.22	0.00	0.01
<b>soft 0 - 30m proxy</b>	0.00	0.00	2.52	4.55	1.43	0.34	0.00	0.00	0.00
<b>soft 30 - 100m</b>	0.00	0.00	1.51	5.12	0.00	0.00	0.00	0.00	0.00
<b>soft 100 - 200m</b>	0.00	0.00	0.00	3.17	0.00	0.00	0.00	0.00	0.00
<b>soft 200 - 3000m</b>	0.00	0.00	0.00	5.99	0.00	0.00	0.00	0.00	0.00
<b>hard 0 - 30m</b>	0.00	0.00	0.13	0.26	0.03	0.42	0.06	0.00	0.00
<b>hard 0 - 30m proxy</b>	0.00	0.00	0.80	1.20	0.13	1.54	0.00	0.00	0.00
<b>hard 30 - 100m</b>	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00
<b>hard 100 - 200m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	0.25	1.10	0.49	0.59	0.24	0.34	0.00	0.14	0.66
<b>unknown 30 - 100m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 100 - 200 m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Maximum kelp (linear)</b>	0.00	0.00	0.02	2.09	0.15	0.71	0.00	0.00	0.00
<b>Kelp (linear)</b>	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00

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

	Swamis SMCA	San Elijo Lagoon SMR	Del Mar SMR	San Dieguito Lagoon SMR	Los Penasquitos Marsh SMCA	La Jolla North SMR	La Jolla South SMR	La Jolla South SMCA	Kendal Frost SMCA
<b>MPA ID</b>	67057	68926	67059	68928	66942	68904	67042	67040	68930
<b>MPA Designation</b>	SMCA	SMR	SMR	SMR	SMCA	SMR	SMR	SMCA	SMCA
<b>Level of Protection</b>	moderate low	very high	very high	very high	high	very high	very high	moderate low	high
<b>SAT Evaluation Bioregion</b>	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland
<b>Area</b>	2.44	0.44	11.08	0.52	0.35	0.90	0.80	0.72	0.19
<b>Alongshore Span</b>	1.78	N/A	3.14	N/A	N/A	1.28	0.60	0.61	N/A
<b>ESI Shoreline</b>	3.84	3.94	3.07	2.14	3.77	2.19	0.79	0.88	2.59
<b>Min Depth</b>	0.00	N/A	0.00	N/A	N/A	0.00	0.00	0.00	N/A
<b>Max Depth</b>	102.00	N/A	1057.00	N/A	N/A	214.00	70.00	57.00	N/A
<b>Beaches</b>	2.60	0.00	2.89	0.48	0.08	1.28	0.22	0.74	0.19
<b>Rocky Shores</b>	1.20	0.00	0.18	0.00	0.00	0.92	0.58	0.14	0.00
<b>Hardened Shores</b>	0.04	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.37
<b>Coastal Marsh</b>	0.01	3.94	0.00	0.73	3.65	0.00	0.00	0.00	0.41
<b>Coastal Marsh (area)</b>	0.00	0.23	0.00	0.16	0.31	0.00	0.00	0.00	0.06
<b>Tidal Flats</b>	0.00	0.00	0.00	0.66	0.04	0.00	0.00	0.00	1.62
<b>Surfgrass</b>	1.53	0.00	0.16	0.00	0.00	1.15	0.76	0.61	0.00
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
<b>Estuary</b>	0.00	0.44	0.00	0.52	0.35	0.00	0.00	0.00	0.19
<b>soft 0 - 30m</b>	1.65	0.00	3.17	0.00	0.00	0.56	0.02	0.23	0.00
<b>soft 0 - 30m proxy</b>	1.33	0.00	2.37	0.00	0.00	1.21	0.00	0.07	0.00
<b>soft 30 - 100m</b>	0.13	0.00	3.36	0.00	0.00	0.19	0.00	0.00	0.00
<b>soft 100 - 200m</b>	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 200 - 3000m</b>	0.00	0.00	1.47	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 0 - 30m</b>	0.65	0.00	0.22	0.00	0.00	0.13	0.78	0.49	0.00
<b>hard 0 - 30m proxy</b>	1.47	0.00	0.75	0.00	0.00	0.21	0.70	0.68	0.00
<b>hard 30 - 100m</b>	0.00	0.00	0.17	0.00	0.00	0.01	0.00	0.00	0.00
<b>hard 100 - 200m</b>	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	0.01	0.44	0.08	0.52	0.35	0.01	0.00	0.00	0.19
<b>unknown 30 - 100m</b>	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 100 - 200 m</b>	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 200 - 3000m</b>	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
<b>Maximum kelp (linear)</b>	1.48	0.00	0.19	0.00	0.00	0.50	0.61	0.65	0.00
<b>Kelp (linear)</b>	1.25	0.00	0.00	0.00	0.00	0.03	0.13	0.16	0.00

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

	Ocean Beach SMCA	Ocean Beach SMR	San Diego River/ Famosa Slough SMCA	Cabrillo SMR	South San Diego Bay SMCA	Imperial Beach SMCA	Tijuana Estuary SMR	Emerald Bay SMCA
<b>MPA ID</b>	68988	68989	68931	67064	68932	67065	68933	67241
<b>MPA Designation</b>	SMCA	SMR	SMCA	SMR	SMCA	SMCA	SMR	SMCA
<b>Level of Protection</b>	moderate high	very high	high	very high	moderate low	moderate low	very high	moderate low
<b>SAT Evaluation Bioregion</b>	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	South Mainland	East Channel Islands
<b>Area</b>	3.06	6.18	0.45	0.38	5.55	0.67	0.75	0.85
<b>Alongshore Span</b>	0.82	1.74	N/A	1.26	N/A	2.25	N/A	2.72
<b>ESI Shoreline</b>	1.29	2.45	4.87	1.42	13.18	2.18	11.53	3.79
<b>Min Depth</b>	0.00	0.00	N/A	0.00	N/A	0.00	N/A	0.00
<b>Max Depth</b>	242.00	323.00	N/A	30.00	N/A	40.00	N/A	320.00
<b>Beaches</b>	0.66	0.52	0.12	0.44	3.18	2.18	0.38	1.31
<b>Rocky Shores</b>	0.17	1.51	0.00	0.97	0.00	0.00	0.00	2.47
<b>Hardened Shores</b>	0.37	0.42	3.26	0.00	7.48	0.00	0.00	0.00
<b>Coastal Marsh</b>	0.00	0.00	0.00	0.00	1.52	0.00	9.90	0.00
<b>Coastal Marsh (area)</b>	0.00	0.00	0.11	0.00	0.25	0.00	0.50	0.00
<b>Tidal Flats</b>	0.00	0.00	1.03	0.00	1.02	0.00	1.25	0.00
<b>Surfgrass</b>	0.15	1.01	0.00	1.36	0.00	0.00	0.00	1.42
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00
<b>Estuary</b>	0.00	0.00	0.45	0.00	5.55	0.00	0.75	0.00
<b>soft 0 - 30m</b>	0.99	0.57	0.00	0.03	0.00	0.66	0.01	0.30
<b>soft 0 - 30m proxy</b>	0.81	0.02	0.00	0.00	0.00	0.02	0.00	1.32
<b>soft 30 - 100m</b>	0.93	1.56	0.00	0.00	0.00	0.00	0.00	0.32
<b>soft 100 - 200m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 0 - 30m</b>	0.35	1.78	0.00	0.30	0.00	0.00	0.00	0.17
<b>hard 0 - 30m proxy</b>	0.00	1.74	0.00	0.21	0.00	0.00	0.00	1.44
<b>hard 30 - 100m</b>	0.04	0.24	0.00	0.00	0.00	0.00	0.00	0.01
<b>hard 100 - 200m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	0.00	0.04	0.44	0.05	5.55	0.01	0.73	0.06
<b>unknown 30 - 100m</b>	0.75	1.97	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 100 - 200 m</b>	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Maximum kelp (linear)</b>	0.28	1.90	0.00	0.00	0.00	0.00	0.00	1.92
<b>Kelp (linear)</b>	0.00	1.38	0.00	0.00	0.00	0.00	0.00	0.77

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

	<b>Catalina Isthmus SMCA</b>	<b>Blue Cavern SMR</b>	<b>Cat Harbor SMCA</b>	<b>Long Point SMR</b>	<b>Farnsworth SMCA</b>	<b>Casino Point SMR</b>
<b>MPA ID</b>	68200	68199	66967	67195	67197	66996
<b>MPA Designation</b>	SMCA	SMR	SMCA	SMR	SMCA	SMR
<b>Level of Protection</b>	high	very high	low	very high	High	very high
<b>SAT Evaluation Bioregion</b>	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands
<b>Area</b>	5.09	3.89	0.33	3.54	9.24	0.01
<b>Alongshore Span</b>	2.29	2.26	0.70	2.96	2.70	0.15
<b>ESI Shoreline</b>	0.00	3.34	3.09	3.83	2.76	0.09
<b>Min Depth</b>	604.00	0.00	0.00	0.00	0.00	73.00
<b>Max Depth</b>	2551.00	1416.00	186.00	988.00	1909.00	73.00
<b>Beaches</b>	0.00	1.66	1.34	1.80	1.70	0.00
<b>Rocky Shores</b>	0.00	1.63	1.11	2.03	1.06	0.05
<b>Hardened Shores</b>	0.00	0.05	0.05	0.00	0.00	0.04
<b>Coastal Marsh</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh (area)</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tidal Flats</b>	0.00	0.00	0.59	0.00	0.00	0.00
<b>Surfgrass</b>	0.00	1.90	0.00	0.23	0.34	0.00
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Estuary</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 0 - 30m</b>	0.00	0.30	0.07	0.21	0.57	0.00
<b>soft 0 - 30m proxy</b>	0.00	1.89	0.98	2.18	1.47	0.02
<b>soft 30 - 100m</b>	0.00	0.87	0.09	1.21	5.08	0.00
<b>soft 100 - 200m</b>	0.04	1.04	0.00	1.21	1.67	0.00
<b>soft 200 - 3000m</b>	4.57	1.59	0.00	0.77	1.22	0.00
<b>hard 0 - 30m</b>	0.00	0.08	0.04	0.10	0.14	0.00
<b>hard 0 - 30m proxy</b>	0.00	0.88	0.10	1.30	0.67	0.08
<b>hard 30 - 100m</b>	0.00	0.01	0.00	0.02	0.51	0.00
<b>hard 100 - 200m</b>	0.00	0.00	0.00	0.00	0.01	0.00
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.01	0.02	0.00
<b>unknown 0 - 30m</b>	0.00	0.00	0.14	0.00	0.02	0.00
<b>unknown 30 - 100m</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 100 - 200 m</b>	0.00	0.00	0.00	0.01	0.00	0.00
<b>unknown 200 - 3000m</b>	0.48	0.00	0.00	0.00	0.00	0.00
<b>Maximum kelp (linear)</b>	0.00	2.48	0.45	3.03	1.76	0.10
<b>Kelp (linear)</b>	0.00	1.40	0.31	0.31	1.10	0.02

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

	<b>Lover's Cove SMCA</b>	<b>Silver Canyon SMR</b>	<b>Begg Rock SMR</b>	<b>San Clemente Pending Military Closure 1</b>	<b>San Clemente Pending Military Closure 2</b>	<b>Richardson Rock SMR</b>
<b>MPA ID</b>	66995	68197	67010	66976	66985	66794
<b>MPA Designation</b>	SMCA	SMR	SMR	Undesignated	Undesignated	SMR
<b>Level of Protection</b>	moderate high	very high	very high	N/A	N/A	very high
<b>SAT Evaluation Bioregion</b>	East Channel Islands	East Channel Islands	West Channel Islands	East Channel Islands	East Channel Islands	West Channel Islands
<b>Area</b>	0.06	0.28	37.96	17.44	19.24	40.69
<b>Alongshore Span</b>	0.39	1.28	6.94	3.93	5.37	6.31
<b>ESI Shoreline</b>	0.58	1.37	0.00	1.83	6.13	0.00
<b>Min Depth</b>	0.00	0.00	219.00	0.00	0.00	95.00
<b>Max Depth</b>	188.00	62.00	374.00	1682.00	3938.00	558.00
<b>Beaches</b>	0.38	1.16	0.00	0.79	5.25	0.00
<b>Rocky Shores</b>	0.12	0.21	0.00	1.04	0.77	0.00
<b>Hardened Shores</b>	0.09	0.00	0.00	0.00	0.11	0.00
<b>Coastal Marsh</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh (area)</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tidal Flats</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Surfgrass</b>	0.00	0.11	0.00	0.63	2.46	0.00
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Estuary</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 0 - 30m</b>	0.01	0.13	0.00	0.01	0.00	0.00
<b>soft 0 - 30m proxy</b>	0.28	0.94	0.00	0.00	1.30	0.00
<b>soft 30 - 100m</b>	0.02	0.00	22.22	0.96	0.00	0.52
<b>soft 100 - 200m</b>	0.00	0.00	11.58	0.00	0.00	0.09
<b>soft 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>hard 0 - 30m</b>	0.01	0.04	0.00	1.17	0.62	0.00
<b>hard 0 - 30m proxy</b>	0.22	0.00	0.00	2.45	4.57	0.00
<b>hard 30 - 100m</b>	0.00	0.00	4.10	1.04	0.03	0.20
<b>hard 100 - 200m</b>	0.00	0.00	0.07	0.00	0.00	0.04
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	0.00	0.12	0.00	0.01	0.45	0.03
<b>unknown 30 - 100m</b>	0.00	0.00	0.00	3.73	2.16	27.66
<b>unknown 100 - 200 m</b>	0.00	0.00	0.00	4.84	1.58	12.15
<b>unknown 200 - 3000m</b>	0.00	0.00	0.00	5.67	14.41	0.00
<b>Maximum kelp (linear)</b>	0.47	0.27	0.00	2.96	5.47	0.44
<b>Kelp (linear)</b>	0.25	0.00	0.00	2.75	4.26	0.00

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

	Judith Rock SMR	Harris Point SMR	South Point SMR	Carrington Point SMR	Skunk Point SMR	Painted Cave SMCA
<b>MPA ID</b>	66805	66795	66804	66796	66806	66801
<b>MPA Designation</b>	SMR	SMR	SMR	SMR	SMR	SMCA
<b>Level of Protection</b>	very high	very high	very high	very high	very high	moderate low
<b>SAT Evaluation Bioregion</b>	West Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands	Mid Channel Islands
<b>Area</b>	4.55	25.35	13.05	12.76	1.39	1.78
<b>Alongshore Span</b>	1.23	5.38	3.55	4.02	2.18	1.94
<b>ESI Shoreline</b>	2.19	9.28	4.79	6.16	2.51	3.05
<b>Min Depth</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Max Depth</b>	487.00	557.00	1071.00	211.00	83.00	291.00
<b>Beaches</b>	0.48	1.81	1.45	0.81	1.77	0.00
<b>Rocky Shores</b>	1.71	7.48	3.34	5.35	0.74	3.05
<b>Hardened Shores</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh (area)</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tidal Flats</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Surfgrass</b>	0.00	2.32	1.74	4.39	0.11	0.00
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Estuary</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 0 - 30m</b>	0.21	1.80	1.22	7.15	0.71	0.05
<b>soft 0 - 30m proxy</b>	0.46	5.60	1.70	3.32	2.09	1.96
<b>soft 30 - 100m</b>	1.56	15.93	3.51	3.82	0.00	0.12
<b>soft 100 - 200m</b>	0.00	2.54	5.34	0.00	0.00	0.00
<b>soft 200 - 3000m</b>	0.00	0.00	0.05	0.00	0.00	0.00
<b>hard 0 - 30m</b>	0.48	0.86	0.55	1.35	0.08	0.04
<b>hard 0 - 30m proxy</b>	0.80	1.96	2.05	1.97	0.18	0.01
<b>hard 30 - 100m</b>	0.07	2.40	0.26	0.27	0.00	0.00
<b>hard 100 - 200m</b>	0.00	0.25	0.01	0.00	0.00	0.00
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	0.04	1.18	0.06	0.16	0.61	0.28
<b>unknown 30 - 100m</b>	0.16	0.34	0.01	0.00	0.00	1.29
<b>unknown 100 - 200 m</b>	2.02	0.05	0.25	0.00	0.00	0.00
<b>unknown 200 - 3000m</b>	0.00	0.00	1.79	0.00	0.00	0.00
<b>Maximum kelp (linear)</b>	1.22	4.12	3.67	3.68	1.00	0.24
<b>Kelp (linear)</b>	0.96	2.30	3.25	1.24	0.67	0.00



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

	<b>Gull Island SMR</b>	<b>Scorpion SMR</b>	<b>Footprint SMR</b>	<b>Anacapa Island SMCA</b>	<b>Anacapa Island SMR</b>	<b>Santa Barbara Island SMR</b>
<b>MPA ID</b>	66802	66803	66797	66799	66798	66800
<b>MPA Designation</b>	SMR	SMR	SMR	SMCA	SMR	SMR
<b>Level of Protection</b>	very high	very high	very high	moderate low	very high	very high
<b>SAT Evaluation Bioregion</b>	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands
<b>Area</b>	19.91	9.62	7.05	7.30	11.54	12.76
<b>Alongshore Span</b>	4.78	2.59	4.74	2.01	3.05	0.95
<b>ESI Shoreline</b>	3.98	4.65	0.00	3.68	7.17	1.17
<b>Min Depth</b>	0.00	0.00	171.00	0.00	0.00	0.00
<b>Max Depth</b>	2205.00	769.00	1656.00	490.00	709.00	1655.00
<b>Beaches</b>	2.10	0.67	0.00	0.19	0.79	0.15
<b>Rocky Shores</b>	1.88	3.98	0.00	3.49	6.38	1.02
<b>Hardened Shores</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Coastal Marsh (area)</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tidal Flats</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Surfgrass</b>	1.15	0.00	0.00	1.29	3.64	0.92
<b>Eelgrass</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Estuary</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>soft 0 - 30m</b>	1.90	0.37	0.00	0.23	0.87	0.47
<b>soft 0 - 30m proxy</b>	2.77	2.28	0.00	1.74	2.59	0.72
<b>soft 30 - 100m</b>	3.77	4.88	1.16	6.21	7.25	1.69
<b>soft 100 - 200m</b>	3.20	0.18	0.27	0.18	0.78	0.42
<b>soft 200 - 3000m</b>	1.43	0.00	0.00	0.00	0.00	0.02
<b>hard 0 - 30m</b>	0.78	0.17	0.00	0.11	0.27	0.11
<b>hard 0 - 30m proxy</b>	2.36	0.69	0.00	0.54	0.65	0.36
<b>hard 30 - 100m</b>	0.12	0.33	0.11	0.03	0.10	0.10
<b>hard 100 - 200m</b>	0.13	0.01	0.02	0.00	0.00	0.02
<b>hard 200 - 3000m</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>unknown 0 - 30m</b>	0.09	0.04	0.00	0.02	0.01	0.00
<b>unknown 30 - 100m</b>	0.00	0.03	0.06	0.01	0.00	0.07
<b>unknown 100 - 200 m</b>	0.21	2.05	1.53	0.52	1.48	1.28
<b>unknown 200 - 3000m</b>	8.28	1.58	3.90	0.00	0.77	8.58
<b>Maximum kelp (linear)</b>	3.29	2.00	0.00	0.61	1.46	0.76
<b>Kelp (linear)</b>	1.88	0.05	0.00	0.00	0.65	0.10