

California MLPA South Coast Project
Habitat Calculations for External B Revised MPA Proposal
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	How Measured	Total Available Habitat	Devereux Lagoon SMR	Goleta Slough SMP	Goleta SMCA	Goleta SMR	Mugu Lagoon SMRMA	Big Sycamore SMR	Big Sycamore SMP	Palos Verdes SMCA
MPA ID			66059	68483	66052	66065	66043	66061	66069	66067
MPA Designation			SMR	SMP	SMCA	SMR	SMRMA	SMR	SMP	SMCA
Level of Protection			very high	moderate low	high	very high	very high	very high	high	moderate high
SAT Evaluation Bioregion			North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	North Mainland	South Mainland
Area	sq miles	2,350.88	0.09	0.25	7.85	2.76	0.74	18.50	1.54	8.77
Alongshore Span	miles	NA	N/A	N/A	2.79	2.81	N/A	5.11	2.43	3.00
ESI Shoreline	miles	1,046.45	0.00	3.48	0.00	3.04	7.61	5.49	2.74	0.00
Min Depth	feet	0.00	N/A	0.00	56.00	0.00	N/A	0.00	0.00	115.00
Max Depth	feet	3,938.00	N/A	10.00	255.00	96.00	N/A	1635.00	108.00	2270.00
Beaches	miles	379.63	0.00	0.15	0.00	1.00	1.00	3.40	1.59	0.00
Rocky Shores	miles	280.72	0.00	0.00	0.00	2.04	0.00	0.21	0.14	0.00
Hardened Shores	miles	297.85	0.00	0.00	0.00	0.00	0.05	1.77	1.02	0.00
Coastal Marsh	miles	59.49	0.00	2.76	0.00	0.00	5.77	0.00	0.00	0.00
Coastal Marsh (area)	sq miles	6.11	0.02	0.19	0.00	0.00	0.33	0.00	0.00	0.00
Tidal Flats	miles	28.76	0.00	0.56	0.00	0.00	0.79	0.10	0.00	0.00
Surfgrass	miles	72.43	0.00	0.00	0.00	1.39	0.00	0.05	0.90	0.00
Eelgrass	sq miles	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	sq miles	43.30	0.09	0.25	0.00	0.00	0.74	0.00	0.00	0.00
soft 0 - 30m	sq miles	437.18	0.00	0.00	0.37	1.50	0.00	4.57	1.31	0.01
soft 0 - 30m proxy	miles	362.57	0.00	0.00	0.00	1.68	0.00	5.25	1.87	0.00
soft 30 - 100m	sq miles	672.06	0.00	0.00	7.47	0.04	0.00	5.82	0.05	2.07
soft 100 - 200m	sq miles	158.39	0.00	0.00	0.00	0.00	0.00	3.51	0.00	1.20
soft 200 - 3000m	sq miles	234.34	0.00	0.00	0.00	0.00	0.00	4.40	0.00	5.21
hard 0 - 30m	sq miles	111.73	0.00	0.00	0.00	0.85	0.00	0.00	0.11	0.00
hard 0 - 30m proxy	miles	191.62	0.00	0.00	0.00	1.22	0.00	0.00	0.23	0.00
hard 30 - 100m	sq miles	47.79	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.06
hard 100 - 200m	sq miles	3.89	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
hard 200 - 3000m	sq miles	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
unknown 0 - 30m	sq miles	153.85	0.09	0.25	0.00	0.37	0.74	0.17	0.07	0.00
unknown 30 - 100m	sq miles	213.52	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
unknown 200 - 3000m	sq miles	201.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Maximum kelp (linear)	miles	336.55	0.00	0.00	0.00	2.90	0.00	0.00	1.19	0.00
Kelp (linear)	miles	182.61	0.00	0.00	0.00	1.68	0.00	0.00	0.62	0.00

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	Portuguese Bend SMCA	Point Fermin SMP	Bolsa Chica SMP	Upper Newport Bay SMP	Laguna Coast SMCA	Laguna SMR	Agua Hedionda Lagoon SMR	Batiquitos Lagoon SMP	San Elijo Lagoon SMP
MPA ID	66064	66060	68484	68485	66063	66044	68486	66066	66051
MPA Designation	SMCA	SMP	SMP	SMP	SMCA	SMR	SMR	SMP	SMP
Level of Protection	high	moderate low	moderate low	moderate low	high	very high	very high	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	3.11	0.16	0.25	1.10	10.19	2.68	0.04	0.66	0.44
Alongshore Span	3.56	0.87	N/A	N/A	3.01	2.65	N/A	N/A	N/A
ESI Shoreline	5.96	1.48	4.40	9.42	0.00	2.76	0.00	0.00	3.86
Min Depth	0.00	0.00	N/A	N/A	162.00	0.00	N/A	0.00	N/A
Max Depth	149.00	27.00	N/A	N/A	1584.00	178.00	N/A	10.00	N/A
Beaches	2.34	0.43	0.00	0.00	0.00	1.84	0.00	0.00	0.00
Rocky Shores	3.59	0.68	0.00	0.00	0.00	0.92	0.00	0.00	0.00
Hardened Shores	0.03	0.36	0.92	0.04	0.00	0.00	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	2.49	7.24	0.00	0.00	0.00	0.00	3.86
Coastal Marsh (area)	0.00	0.00	0.08	0.74	0.00	0.00	0.01	0.11	0.23
Tidal Flats	0.00	0.00	0.99	2.15	0.00	0.00	0.00	0.00	0.00
Surfgrass	1.87	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
Estuary	0.00	0.00	0.25	1.10	0.00	0.00	0.04	0.66	0.44
soft 0 - 30m	1.36	0.00	0.00	0.00	0.00	0.84	0.00	0.01	0.00
soft 0 - 30m proxy	2.36	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00
soft 30 - 100m	0.68	0.00	0.00	0.00	1.34	1.38	0.00	0.00	0.00
soft 100 - 200m	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00	0.00
soft 200 - 3000m	0.00	0.00	0.00	0.00	7.01	0.00	0.00	0.00	0.00
hard 0 - 30m	0.91	0.07	0.00	0.00	0.00	0.21	0.00	0.00	0.00
hard 0 - 30m proxy	1.94	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00
hard 30 - 100m	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.17	0.09	0.25	1.10	0.00	0.26	0.04	0.65	0.44
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)	3.31	0.10	0.00	0.00	0.00	1.87	0.00	0.00	0.00
Kelp (linear)	1.82	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	Del Mar SMCA	Del Mar SMR	San Dieguito Lagoon SMR	San Diego-Scripps SMCA	La Jolla SMCA	Ocean Beach SMCA	Sunset Cliffs SMR	Mia J Tegner SMCA	Sweetwater Marsh SMR
MPA ID	66068	66058	66050	68488	68487	68254	68253	68489	66055
MPA Designation	SMCA	SMR	SMR	SMCA	SMCA	SMCA	SMR	SMCA	SMR
Level of Protection	moderate high	very high	very high	moderate low	moderate high	moderate high	very high	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	6.31	4.36	0.52	0.11	0.77	6.47	2.90	0.02	0.47
Alongshore Span	2.98	2.98	N/A	0.52	1.14	3.21	1.83	0.64	N/A
ESI Shoreline	0.00	2.80	2.14	0.52	2.02	0.00	2.57	0.69	1.03
Min Depth	104.00	0.00	N/A	0.00	0.00	107.00	0.00	0.00	N/A
Max Depth	1057.00	161.00	N/A	10.00	214.00	323.00	127.00	10.00	N/A
Beaches	0.00	2.62	0.48	0.40	1.11	0.00	0.52	0.19	0.00
Rocky Shores	0.00	0.18	0.00	0.12	0.91	0.00	1.63	0.50	0.00
Hardened Shores	0.00	0.00	0.27	0.00	0.00	0.00	0.42	0.00	0.07
Coastal Marsh	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.59
Coastal Marsh (area)	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.15
Tidal Flats	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.36
Surfgrass	0.00	0.16	0.00	0.52	0.99	0.00	1.04	0.70	0.00
Eelgrass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Estuary	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.47
soft 0 - 30m	0.00	3.10	0.00	0.10	0.45	0.00	0.69	0.00	0.00
soft 0 - 30m proxy	0.00	2.30	0.00	0.05	1.04	0.00	0.14	0.00	0.00
soft 30 - 100m	2.32	0.87	0.00	0.00	0.19	3.15	0.20	0.00	0.00
soft 100 - 200m	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
soft 200 - 3000m	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.00	0.22	0.00	0.00	0.11	0.00	1.81	0.02	0.00
hard 0 - 30m proxy	0.00	0.75	0.00	0.00	0.07	0.00	1.71	0.00	0.00
hard 30 - 100m	0.14	0.01	0.00	0.00	0.01	0.12	0.14	0.00	0.00
hard 100 - 200m	0.18	0.00	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	0.00	0.00
unknown 0 - 30m	0.00	0.07	0.52	0.00	0.01	0.00	0.04	0.00	0.47
unknown 30 - 100m	0.14	0.09	0.00	0.00	0.00	3.19	0.01	0.00	0.00
unknown 100 - 200 m	0.25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
unknown 200 - 3000m	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum kelp (linear)	0.00	0.19	0.00	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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	South San Diego Bay SMP	Charles F Holder Catalina SMCA	Arrow Pt to Lionhead SMCA	Bird Rock SMCA	Catalina Marine Science Center SMR	Farnsworth ptA SMCA	Farnsworth ptB SMCA
MPA ID	66056	68257	66047	68260	66045	66062	66049
MPA Designation	SMP	SMCA	SMCA	SMCA	SMR	SMCA	SMCA
Level of Protection	moderate low	low	low	high	very high	high	moderate low
SAT Evaluation Bioregion	South Mainland	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands	East Channel Islands
Area	1.72	212.79	1.14	8.97	1.34	15.47	1.45
Alongshore Span	N/A	52.99	2.80	2.29	2.26	5.22	2.48
ESI Shoreline	4.48	66.16	3.76	0.00	3.46	0.00	2.55
Min Depth	N/A	0.00	0.00	75.00	0.00	135.00	0.00
Max Depth	N/A	3674.00	459.00	2616.00	691.00	3674.00	220.00
Beaches	0.66	36.63	1.30	0.00	1.67	0.00	1.61
Rocky Shores	0.00	27.27	2.46	0.00	1.75	0.00	0.94
Hardened Shores	2.82	1.54	0.00	0.00	0.05	0.00	0.00
Coastal Marsh	0.66	0.00	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.33	0.72	0.00	0.00	0.00	0.00	0.00
Surfgrass	0.00	12.71	1.41	0.23	1.68	0.00	0.24
Eelgrass	0.53	0.00	0.00	0.00	0.00	0.00	0.00
Estuary	1.72	0.00	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	0.00	6.77	0.30	0.02	0.28	0.00	0.56
soft 0 - 30m proxy	0.00	32.82	1.32	0.00	1.87	0.00	1.45
soft 30 - 100m	0.00	46.52	0.56	0.36	0.50	4.71	0.72
soft 100 - 200m	0.00	36.48	0.03	0.65	0.43	2.44	0.00
soft 200 - 3000m	0.00	112.83	0.00	7.45	0.04	7.39	0.00
hard 0 - 30m	0.00	2.69	0.17	0.01	0.08	0.00	0.13
hard 0 - 30m proxy	0.00	19.24	1.41	0.00	0.88	0.00	0.65
hard 30 - 100m	0.00	1.20	0.01	0.00	0.01	0.52	0.00
hard 100 - 200m	0.00	0.14	0.00	0.00	0.00	0.01	0.00
hard 200 - 3000m	0.00	0.91	0.00	0.00	0.00	0.02	0.00
unknown 0 - 30m	1.72	1.51	0.06	0.00	0.00	0.00	0.02
unknown 30 - 100m	0.00	0.07	0.01	0.00	0.00	0.00	0.00
unknown 100 - 200 m	0.00	0.08	0.00	0.00	0.00	0.00	0.00
unknown 200 - 3000m	0.00	3.58	0.00	0.49	0.00	0.39	0.00
Maximum kelp (linear)	0.00	37.75	1.92	0.00	2.49	0.00	1.71
Kelp (linear)	0.00	18.47	0.77	0.00	1.40	0.00	1.06

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	Lover's Cove SMCA	Begg Rock SMR	San Clemente Island Pending Military Closure 1	San Clemente Island Pending Military Closure 2	Richardson Rock SMR	Judith Rock SMR
MPA ID	68490	68203	66057	66054	66030	66041
MPA Designation	SMCA	SMR	Undesignated	Undesignated	SMR	SMR
Level of Protection	low	very high	N/A	N/A	very high	very high
SAT Evaluation Bioregion	East Channel Islands	West Channel Islands	East Channel Islands	East Channel Islands	West Channel Islands	West Channel Islands
Area	0.02	37.96	17.44	19.24	40.69	4.55
Alongshore Span	0.28	6.94	3.93	5.37	6.31	1.23
ESI Shoreline	0.08	0.00	1.83	6.13	0.00	2.19
Min Depth	0.00	219.00	0.00	0.00	95.00	0.00
Max Depth	10.00	374.00	1682.00	3938.00	558.00	487.00
Beaches	0.03	0.00	0.79	5.25	0.00	0.48
Rocky Shores	0.05	0.00	1.04	0.77	0.00	1.71
Hardened Shores	0.00	0.00	0.00	0.11	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	0.00	0.63	2.46	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	0.00	0.00	0.01	0.00	0.00	0.21
soft 0 - 30m proxy	0.18	0.00	0.00	1.30	0.00	0.46
soft 30 - 100m	0.01	22.22	0.96	0.00	0.52	1.56
soft 100 - 200m	0.00	11.58	0.00	0.00	0.09	0.00
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
hard 0 - 30m	0.01	0.00	1.17	0.62	0.00	0.48
hard 0 - 30m proxy	0.14	0.00	2.45	4.57	0.00	0.80
hard 30 - 100m	0.00	4.10	1.04	0.03	0.20	0.07
hard 100 - 200m	0.00	0.07	0.00	0.00	0.04	0.00
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.00	0.00	0.01	0.45	0.03	0.04
unknown 30 - 100m	0.00	0.00	3.73	2.16	27.66	0.16
unknown 100 - 200 m	0.00	0.00	4.84	1.58	12.15	2.02
unknown 200 - 3000m	0.00	0.00	5.67	14.41	0.00	0.00
Maximum kelp (linear)	0.32	0.00	2.96	5.47	0.44	1.22
Kelp (linear)	0.14	0.00	2.75	4.26	0.00	0.96

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	Harris Point SMR	South Point SMR	Carrington Point SMR	Skunk Point SMR	Painted Cave SMCA	Gull Island SMR
MPA ID	66031	66040	66032	66042	66037	66038
MPA Designation	SMR	SMR	SMR	SMR	SMCA	SMR
Level of Protection	very high	very high	very high	very high	moderate low	very high
SAT Evaluation Bioregion	West Channel Islands	West Channel Islands	West Channel Islands	West Channel Islands	Mid Channel Islands	Mid Channel Islands
Area	25.35	13.05	12.76	1.39	1.78	19.91
Alongshore Span	5.38	3.55	4.02	2.18	1.94	4.78
ESI Shoreline	9.28	4.79	6.16	2.51	3.05	3.98
Min Depth	0.00	0.00	0.00	0.00	0.00	0.00
Max Depth	557.00	1071.00	211.00	83.00	291.00	2205.00
Beaches	1.81	1.45	0.81	1.77	0.00	2.10
Rocky Shores	7.48	3.34	5.35	0.74	3.05	1.88
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	2.32	1.74	4.39	0.11	0.00	1.15
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	1.80	1.22	7.15	0.71	0.05	1.90
soft 0 - 30m proxy	5.60	1.70	3.32	2.09	1.96	2.77
soft 30 - 100m	15.93	3.51	3.82	0.00	0.12	3.77
soft 100 - 200m	2.54	5.34	0.00	0.00	0.00	3.20
soft 200 - 3000m	0.00	0.05	0.00	0.00	0.00	1.43
hard 0 - 30m	0.86	0.55	1.35	0.08	0.04	0.78
hard 0 - 30m proxy	1.96	2.05	1.97	0.18	0.01	2.36
hard 30 - 100m	2.40	0.26	0.27	0.00	0.00	0.12
hard 100 - 200m	0.25	0.01	0.00	0.00	0.00	0.13
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	1.18	0.06	0.16	0.61	0.28	0.09
unknown 30 - 100m	0.34	0.01	0.00	0.00	1.29	0.00
unknown 100 - 200 m	0.05	0.25	0.00	0.00	0.00	0.21
unknown 200 - 3000m	0.00	1.79	0.00	0.00	0.00	8.28
Maximum kelp (linear)	4.12	3.67	3.68	1.00	0.24	3.29
Kelp (linear)	2.30	3.25	1.24	0.67	0.00	1.88

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	Scorpion SMR	Footprint SMR	Anacapa Island SMCA	Anacapa Island SMR	Santa Barbara Island SMR
MPA ID	66039	66033	66035	66034	66036
MPA Designation	SMR	SMR	SMCA	SMR	SMR
Level of Protection	very high	very high	moderate low	very high	very high
SAT Evaluation Bioregion	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands	Mid Channel Islands
Area	9.62	7.05	7.30	11.54	12.76
Alongshore Span	2.59	4.74	2.01	3.05	0.95
ESI Shoreline	4.65	0.00	3.68	7.17	1.17
Min Depth	0.00	171.00	0.00	0.00	0.00
Max Depth	769.00	1656.00	490.00	709.00	1655.00
Beaches	0.67	0.00	0.19	0.79	0.15
Rocky Shores	3.98	0.00	3.49	6.38	1.02
Hardened Shores	0.00	0.00	0.00	0.00	0.00
Coastal Marsh	0.00	0.00	0.00	0.00	0.00
Coastal Marsh (area)	0.00	0.00	0.00	0.00	0.00
Tidal Flats	0.00	0.00	0.00	0.00	0.00
Surfgrass	0.00	0.00	1.29	3.64	0.92
Eelgrass	0.00	0.00	0.00	0.00	0.00
Estuary	0.00	0.00	0.00	0.00	0.00
soft 0 - 30m	0.37	0.00	0.23	0.87	0.47
soft 0 - 30m proxy	2.28	0.00	1.74	2.59	0.72
soft 30 - 100m	4.88	1.16	6.21	7.25	1.69
soft 100 - 200m	0.18	0.27	0.18	0.78	0.42
soft 200 - 3000m	0.00	0.00	0.00	0.00	0.02
hard 0 - 30m	0.17	0.00	0.11	0.27	0.11
hard 0 - 30m proxy	0.69	0.00	0.54	0.65	0.36
hard 30 - 100m	0.33	0.11	0.03	0.10	0.10
hard 100 - 200m	0.01	0.02	0.00	0.00	0.02
hard 200 - 3000m	0.00	0.00	0.00	0.00	0.00
unknown 0 - 30m	0.04	0.00	0.02	0.01	0.00
unknown 30 - 100m	0.03	0.06	0.01	0.00	0.07
unknown 100 - 200 m	2.05	1.53	0.52	1.48	1.28
unknown 200 - 3000m	1.58	3.90	0.00	0.77	8.58
Maximum kelp (linear)	2.00	0.00	0.61	1.46	0.76
Kelp (linear)	0.05	0.00	0.00	0.65	0.10