

APPENDIX C:

Community Characteristics in the Geographic
and Depth Zones of the Southern California Bight

Table C1. Community characteristics in the geographic regions of the Southern California Bight. All values are area weighted. CI = Confidence interval.

Characteristic	North n = 80		Central n = 116		South n = 55	
	Mean	(95% CI)	Mean	(95% CI)	Mean	(95% CI)
Number of Taxa / sample	89.03	7.90	85.12	6.94	75.09	7.38
Shannon-Wiener Diversity Index (H')	3.60	0.10	3.57	0.08	3.51	0.11
Dominance	0.06	0.01	0.06	0.01	0.06	0.01
Evenness	0.43	0.02	0.50	0.02	0.47	0.03
Total Abundance / m ²	3942.81	474.18	4290.43	645.12	3179.67	536.97
Percent Abundance as:						
Annelida	47.3	2.5	52.4	2.6	54.4	5.3
Arthropoda	21.0	2.6	17.6	1.7	18.2	3.2
Ophiuroidea	15.9	2.8	8.2	2.3	11.2	3.3
Misc. Echinodermata	0.6	0.3	0.7	0.2	0.9	0.3
Mollusca	7.3	1.1	13.3	2.0	9.8	3.0
Other Phyla	7.4	1.6	7.7	1.2	5.3	1.5
Total Biomass (gms wet weight / m ²)	67.55	11.37	58.28	9.39	39.15	7.86
Percent Biomass as:						
Annelida	31.6	3.4	38.2	3.5	30.0	5.3
Arthropoda	5.2	1.2	8.9	2.7	6.4	1.4
Ophiuroidea	35.0	5.0	23.9	4.5	32.0	7.7
Misc. Echinodermata	4.2	1.8	4.7	1.4	6.8	2.3
Mollusca	12.3	2.9	17.3	3.3	17.7	6.1
Other Phyla	11.7	3.2	7.0	1.8	7.0	1.9

Table C2. Community characteristics on the inner, middle and outer shelves of the Southern California Bight. All values are area weighted. CI = Confidence interval.

Characteristic	Inner n = 61		Middle n = 135		Outer n = 55	
	Mean	(95% CI)	Mean	(95% CI)	Mean	(95% CI)
Number of Taxa / sample	69.76	7.78	94.60	6.22	72.50	8.57
Shannon-Wiener Diversity Index (H')	3.58	0.10	3.60	0.09	3.49	0.10
Dominance	0.05	0.01	0.06	0.01	0.06	0.01
Evenness	0.48	0.02	0.46	0.02	0.44	0.02
Total Abundance / m ²	2717.88	542.54	4577.52	417.87	3057.79	647.43
Percent Abundance as:						
Annelida	49.8	4.3	49.3	2.3	54.0	4.9
Arthropoda	22.0	4.0	18.0	1.6	20.4	4.0
Ophiuroidea	1.3	0.5	16.5	2.5	12.5	2.9
Mollusca	15.4	3.2	7.6	1.0	9.8	2.6
Other Phyla	10.5	1.6	7.9	1.3	1.9	0.5
Total Biomass (gms wet weight / m ²)	31.79	7.82	73.80	9.46	41.54	7.52
Percent Biomass as:						
Annelida	34.2	4.9	30.8	3.0	37.4	5.3
Arthropoda	12.6	3.9	4.8	0.7	5.8	1.7
Ophiuroidea	6.7	2.4	37.7	4.4	35.3	5.9
Misc. Echinodermata	4.2	1.5	5.4	1.6	4.7	2.1
Mollusca	33.2	6.0	9.8	2.0	12.8	3.6
Other Phyla	9.0	2.1	11.5	2.7	3.9	0.8