

TABLE 5. Summary of Biological Observations Made at Transect T-3, East of the Kalihi Entrance Channel (Station B, about 2.2 km Offshore of Mokauea Island in Keehi Lagoon) on 13 October 1994

I. Quadrat Survey	Quadrat Distance Along Transect				
	0 m	5 m	10 m	15 m	20 m
Algae					
<i>Tolypiocladia glomerulata</i>	2	0.2		0.3	
<i>Halimeda opuntia</i>				0.1	
Sponge					
<i>Spirastrella coccinea</i>	0.4	0.2	1.3	1	1
<i>Chondrosia chucalla</i>	0.2	0.1		0.1	
<i>Plakortis simplex</i>					1.2
Soft Coral					
<i>Palythoa tuberculosa</i>			0.2		
<i>Anthelia edmondsoni</i>			0.1	0.1	1
Corals					
<i>Porites lobata</i>	1.7	0.6	0.9	0.4	0.3
<i>Pocillopora meandrina</i>		1.2	0.6	0.3	
<i>Montipora verrucosa</i>	0.1	0.1	0.1		0.7
<i>Montipora patula</i>			0.9		0.1
<i>Montipora verrilli</i>			0.1		
Sand	25	29	4	19	4
Rubble	2	2	2	9	4
Hard Substratum	68.6	66.6	89.8	69.7	87.7

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Platyhelminthes					
Polyclad sp.	1				
Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
Phylum Arthropoda					
<i>Aniculus strigatus</i>	1				
Phylum Echinodermata					
<i>Echinostrephus aciculatum</i>	4				
<i>Echinometra mathaei</i>	1				
<i>Echinothrix calamaris</i>	3				
<i>Echinothrix diadema</i>	4				
<i>Holothuria atra</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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13 Species					
30 Individuals					
Estimated Standing Crop = 27 g/m ²					

NOTE: Results of the 5-m² quadrat sampling of the benthic community are presented in Part I as percent cover, counts of diurnally exposed macroinvertebrates are given in Part II, and a summary of the fish census is given in Part III. Water depth ranges from 14.6 to 15 m; mean coral coverage is 1.6% (quadrat method).