

TABLE 6. Summary of Biological Observations Made at Transect T-4, 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>Martensia fragilis</i>					0.1
<i>Tolypocladia glomerulata</i>			0.1		
Sponge					
<i>Spiraastrella coccinea</i>	0.8	1.1	1	1.1	2
<i>Chondrosia chucalla</i>			0.1	0.1	
<i>Plakortis simplex</i>				0.1	0.1
Soft Corals					
<i>Anthelia edmondsoni</i>			0.1		0.1
Corals					
<i>Porites lobata</i>	2.2	8.4	0.2	0.9	2.4
<i>Pocillopora meandrina</i>			0.8	1.2	1.3
<i>Montipora verrucosa</i>	0.1	0.3	0.1	0.1	
<i>Montipora patula</i>	0.2	1.1			0.2
Sand	18	9	7	17	2
Rubble	5	9		3	
Hard Substratum	73.7	71.1	90.6	77.5	91.8

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	3				
Phylum Arthropoda					
<i>Thalmita edwardsi</i>	1				
Phylum Echinodermata					
<i>Echinostrephus aciculatum</i>	4				
<i>Echinometra mathaei</i>	2				
<i>Echinothrix diadema</i>	3				
<i>Linckia diplax</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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9 Species					
20 Individuals					
Estimated Standing Crop = 23 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 13.7 to 14 m; mean coral coverage is 3.9% (quadrat method).

