

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 14 August 1997

I. Quadrat Survey	Quadrat Distance Along Transect				
	0 m	5 m	10 m	15 m	20 m

Algae					
<i>Lyngbya majuscula</i>	0.3	0.1	3.0	2.5	1.5
Sponges					
<i>Spirastrella coccinea</i>	2.5	2.0			2.1
<i>Chondrosia chucalla</i>	0.1				
<i>Plakortis simplex</i>	0.1				
<i>Microciona maunaloa</i>				0.1	
Corals					
<i>Porites lobata</i>	0.1	16.0	1.7	1.0	2.4
<i>Pocillopora meandrina</i>	0.1		0.1	2.5	2.0
<i>Montipora verrucosa</i>		0.1	0.1		
<i>Montipora patula</i>	0.2	2.3	0.1		0.1
Sand	7.0	6.0	6.0	9.0	4.0
Rubble	9.0	4.0		2.0	3.0
Hard Substratum	80.6	69.5	89.0	82.9	84.9

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Lithophaga</i> sp.	1				
<i>Conus miles</i>	1				
Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	29				
<i>Sabellastarte sanctijosephi</i>	1				
Phylum Echinodermata					
<i>Echinostrephus aciculatum</i>	4				
<i>Echinothrix calamaris</i>	3				
<i>Echinothrix diadema</i>	6				

III. Fish Census (4 m ∞ 20 m)					
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13 Species					
40 Individuals					
Estimated Standing Crop = 9 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 14.0 m; mean coral coverage is 5.8% (quadrat method).