

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 Ke'ehi Lagoon) on 28 August 1998

I. Quadrat Survey	Quadrat Distance Along Transect				
	0 m	5 m	10 m	15 m	20 m
Algae					
<i>Asparagopsis taxiformis</i>					0.1
Sponges					
<i>Spirastrella coccinea</i>	1.0	0.3	0.1	0.8	1.3
<i>Chondrosia chucalla</i>	0.3				
Soft Corals					
<i>Anthelia edmondsoni</i>	0.1			0.1	0.1
Corals					
<i>Porites lobata</i>	1.0	24.0	1.7	1.0	3.1
<i>Pocillopora meandrina</i>	1.1	0.1	0.3	3.7	6.2
<i>Montipora verrucosa</i>	0.1	0.3		0.2	
<i>Montipora patula</i>	0.4	2.4	0.2		0.5
Sand	12.0	3.0	3.0	12.0	8.0
Rubble	8.0		2.0	5.0	3.0
Hard Substratum	76.0	69.9	92.7	77.2	77.7

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals	
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Phylum Arthropoda	
<i>Aniculus strigatus</i>	1
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	28
<i>Sabellastarte sanctijosephi</i>	1
Phylum Echinodermata	
<i>Echinostrephus aciculatum</i>	4
<i>Echinothrix calamaris</i>	7
<i>Echinothrix diadema</i>	9
<i>Echinometra mathaei</i>	2
<i>Tripneustes gratilla</i>	1

III. Fish Census (4 m ∞ 20 m)

20 Species
88 Individuals
Estimated Standing Crop = 42 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 9.3% (quadrat method).