

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 28 August 1995

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

Algae					
<i>Liagora papenfussii</i>	0.2	0.8	1.0	0.3	
<i>Spyridia filamentosa</i>	1.0	0.5			0.5
<i>Gracilaria coronopifolia</i>			0.3	0.5	1.0
Sponge					
<i>Spirastrella coccinea</i>	1.0	1.0	0.1	0.3	1.1
<i>Chondrosia chucalla</i>			0.1		
<i>Plakortis simplex</i>				0.2	
Soft Corals					
<i>Anthelia edmondsoni</i>			0.1		
Corals					
<i>Porites lobata</i>		9.5	0.8	0.2	2.2
<i>Pocillopora meandrina</i>			1.0	1.5	2.0
<i>Montipora verrucosa</i>	0.1		0.1		
<i>Montipora patula</i>		0.5	0.1		0.1
Sand	15.0	5.0	11.0	10.0	5.0
Hard Substratum	82.9	82.7	85.4	87.0	88.1

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

III. Fish Census (4 m ∞ 20 m)					
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19 Species					
128 Individuals					
Estimated Standing Crop = 25 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 3.6% (quadrat method).

