

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 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>	0.5	2.5	0.5		
<i>Spyridia filamentosa</i>	1.0		1.0	0.5	0.4
Sponge					
<i>Spirastrella coccinea</i>		0.2	0.5	1.3	1.1
<i>Chondrosia chucalla</i>	0.3				
<i>Plakortis simplex</i>	0.5				1.0
Hydrozoans					
<i>Halocordyle disticha</i>					0.1
Corals					
<i>Porites lobata</i>	2.0		0.3	1.0	1.1
<i>Pocillopora meandrina</i>	0.8	0.1	0.5	0.4	
<i>Montipora patula</i>			0.8		1.4
Sand	18.0	38.0	3.0	9.0	2.0
Rubble					2.0
Hard Substratum	76.9	59.2	93.4	87.8	90.9

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
<i>Cymatium pileare</i>	1				
<i>Conus miles</i>	1				
Phylum Echinodermata					
<i>Echinostrephus aciculatum</i>	1				
<i>Echinometra mathaei</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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17 Species					
95 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 1.7% (quadrat method).