

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 Ke'eahi Lagoon) on 28 August 1998

I. Quadrat Survey	Quadrat Distance Along Transect				
	0 m	5 m	10 m	15 m	20 m
Algae					
<i>Lyngbya majuscula</i>	0.3	0.2			
Sponges					
<i>Spirastrella coccinea</i>	0.1	0.7	1.2	1.4	1.1
<i>Plakortis simplex</i>					3.2
<i>Chondrosia chucalla</i>	0.1				
Soft Corals					
<i>Anthelia edmondsoni</i>			0.1	0.3	
<i>Palythoa tuberculosa</i>			0.4		
Corals					
<i>Porites lobata</i>	3.0	0.5	1.0	0.4	1.1
<i>Pocillopora meandrina</i>	0.5	0.7	1.4	1.3	
<i>Montipora verrucosa</i>			0.2	0.2	0.1
<i>Montipora patula</i>			1.6		0.2
<i>Montipora verrilli</i>					0.2
Sand	21.0	15.0	3.0	6.0	3.0
Rubble	6.0	12.0	1.0	14.0	4.0
Hard Substratum	61.0	70.9	90.1	76.4	87.1

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals	
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Phylum Mollusca	
<i>Conus lividus</i>	1
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	23
<i>Vermiliopsis</i> sp.	1
Phylum Echinodermata	
<i>Echinothrix diadema</i>	16
<i>Echinothrix calamaris</i>	12
<i>Linckia diplax</i>	1
<i>Pseudoboletia indiana</i>	1

III. Fish Census (4 m ∞ 20 m)

23 Species
120 Individuals
Estimated Standing Crop = 74 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 15.0 m; mean coral coverage is 2.5% (quadrat method).

