

TABLE 6. Summary of Biological Observations Made at Transect T-4, East of Kalihi Entrance Channel (Station B, About 2.2 km Offshore of Mokauea Island in Ke'ehi Lagoon), 8 September 1993

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

Algae						
<i>Neomeris annulata</i>		0.1				
<i>Sphacelaria furcigera</i>						0.3
Sponge						
<i>Spirastrella coccinea</i>	1	0.1	0.1	0.3		0.1
Corals						
<i>Porites lobata</i>	1.3	9.5	0.4	0.2		2.5
<i>Pocillopora meandrina</i>	0.1		0.5	1		1.3
<i>Montipora verrucosa</i>		0.2				0.2
<i>M. verrilli</i>	0.1					0.1
Sand	8	7	7.5	15		7
Rubble 4	6	2.5	4	3		
Hard Substratum	86.7	77.9	88.3	79.8		84.2

II. Invertebrate Census (4 ∞ 20 m)	No. of Individuals				
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Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	1
Phylum Arthropoda	
<i>Gonodactylus falcatus</i>	1
Phylum Echinodermata	
<i>Echinostrephus aciculatum</i>	5
<i>Echinometra mathaei</i>	1
<i>Echinothrix calamaris</i>	3
<i>Linckia diplax</i>	1

III. Fish Census (4 ∞ 20 m)					
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19 Species
63 Individuals
Estimated Standing Crop = 96 g/m <sup>2</sup>

NOTE: Results of the 5-m<sup>2</sup> 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 3.5% (quadrat method).