

TABLE 8. Summary of Biological Observations Made at Transect T-6, Approximately 840 m Offshore of the Honolulu International Airport Reef Runway (Station C) on 12 August 1998

I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Porolithon onkodes</i>	2.6					0.5
<i>Desmia hornemannii</i>			0.2	0.1		
Sponges						
<i>Spirastrella coccinea</i>				0.6		
<i>Chondrosia chucalla</i>				0.7		0.1
Soft Corals						
<i>Anthelia edmondsoni</i>					0.2	0.1
<i>Palythoa tuberculosa</i>						1.1
Corals						
<i>Porites lobata</i>	9.0				9.0	4.1
<i>Pocillopora meandrina</i>	3.6		1.1	1.2	2.0	1.1
<i>Montipora patula</i>	4.7		2.9	0.4	4.5	1.2
<i>Montipora verrucosa</i>					0.8	0.1
<i>Pavona varians</i>			1.0		0.3	
Sand			4.0	7.0		
Rubble			31.0	75.0	17.0	9.0
Hard Substratum	80.1		59.8	15.0	66.2	82.7

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals	
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Phylum Mollusca	
<i>Spondylus tenebrosus</i>	1
<i>Octopus cyanea</i>	1
Phylum Arthropoda	
<i>Aniculus strigatus</i>	1
<i>Charybdis orientalis</i>	1
Phylum Annelida	
<i>Loimia medusa</i>	1
<i>Spirobranchus giganteus corniculatus</i>	3
Phylum Echinodermata	
<i>Echinometra mathaei</i>	5

III. Fish Census (4 m $\infty$ 20 m)
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29 Species
171 Individuals
Estimated Standing Crop = 89 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 10.7 to 11.6 m; mean coral coverage is 9.4% (quadrat method).

