

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 7 September 1995

I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Porolithon onkodes</i>	9.0					
<i>Desmia hornemannii</i>					0.3	
<i>Liagora papenfussii</i>	0.5			0.1	0.2	0.7
<i>Laurencia nidifica</i>				0.5		1.2
Soft Corals						
<i>Anthelia edmondsoni</i>					0.2	
Corals						
<i>Porites lobata</i>	12.5	0.5			6.0	0.6
<i>Porites compressa</i>	0.8					
<i>Pocillopora meandrina</i>	1.3	0.1	0.1	0.2		
<i>Montipora verrucosa</i>				0.4		
<i>Montipora patula</i>	1.7	0.6	0.2	1.0		
<i>Pavona varians</i>		0.3				0.2
Sand			2.5			3.0
Rubble		37.5	96.6	22.0	76.3	
Hard Substratum	74.2	61.0		69.7	18.0	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Octopus cyanea</i>	1				
Phylum Annelida					
<i>Sabellastarte sanctijosephi</i>	3				
Phylum Echinodermata					
<i>Echinometra mathaei</i>	1				
<i>Echinothrix diadema</i>	4				
<i>Echinothrix calamaris</i>	1				
<i>Tripneustes gratilla</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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34 Species					
257 Individuals					
Estimated Standing Crop = 93 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 10.7 to 11.6 m; mean coral coverage is 5.3% (quadrat method).