

TABLE 7. Summary of Biological Observations Made at Transect T-5, Approximately 760 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>			11.0		0.3	2.0
<i>Liagora papenfussii</i>	3.0					
<i>Laurencia nidifica</i>	3.0					
<i>Tolypiocladia glomerulata</i>				0.5		
Soft Corals						
<i>Palythoa tuberculosa</i>			3.8		0.1	3.1
Corals						
<i>Porites compressa</i>				0.2		
<i>Pocillopora meandrina</i>	0.1	0.1	0.3	0.2	0.8	
<i>Pavona duerdeni</i>				5.7	2.0	
<i>Pavona varians</i>		1.1			0.9	
<i>Montipora patula</i>		1.9	0.7	2.1	1.3	
Sand	0.7		0.5	2.0		
Rubble	78.2	3.5	18.0	21.0		
Hard Substratum	15.0	78.6	79.8	68.6	89.9	

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals				
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Phylum Platyhelminthes					
Polyclad sp.	1				
Phylum Mollusca					
<i>Conus miles</i>	1				
Phylum Echinodermata					
<i>Heterocentrotus mammillatus</i>	1				
<i>Echinothrix diadema</i>	1				

III. Fish Census (4 m $\infty$ 20 m)					
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32 Species					
240 Individuals					
Estimated Standing Crop = 77 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 9.1 to 11 m; mean coral coverage is 3.5% (quadrat method).