

TABLE 1. Summary of Biological Observations Made at Transect T-1, Offshore of Kewalo Landfill (Station A) on 20 November 1996

I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Amansia glomerata</i>				0.3	3.1	
Sponges						
<i>Spirastrella coccinea</i>	1.2					3.0
Soft Coral						
<i>Palythoa tuberculosa</i>						0.2
Corals						
<i>Porites lobata</i>	31.0	14.0	8.5	26.0	15.8	
<i>Porites compressa</i>			3.0			
<i>Pocillopora meandrina</i>	5.2	9.5	7.2	13.0	1.4	
<i>Montipora verrucosa</i>		0.2	0.7	0.4	0.2	
<i>Montipora patula</i>	0.4					
Sand	3.0	2.2	4.0			4.0
Rubble	7.0	4.0	9.0	4.0	7.0	
Hard Substratum	52.2	70.1	67.3	53.5	68.4	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	6				
Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
<i>Drupa speciosa</i>	1				
Phylum Echinodermata					
<i>Echinothrix diadema</i>	12				
<i>Tripneustes gratilla</i>	1				
<i>Linckia diplax</i>	1				

III. Fish Census (4 m ∞ 20 m)					
33 Species					
554 Individuals					
Estimated Standing Crop = 444 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 17.4 to 18.2 m; mean coral coverage is 27.3% (quadrat method).

