

TABLE 1. Summary of Biological Observations Made at Transect T-1, Offshore of Kewalo Landfill (Station A) on 14 August 1997

I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Amansia glomerata</i>					2.0	
<i>Botryocladia skottsbergii</i>	0.3					
<i>Desmia hornemannii</i>					0.3	
<i>Porolithon onkodes</i>					1.1	
Sponges						
<i>Spirastrella coccinea</i>	1.0					
Corals						
<i>Porites lobata</i>	31.2	13.5	10.5	24.5	4.2	
<i>Porites compressa</i>				4.8	1.0	
<i>Pocillopora meandrina</i>	9.3	7.8	7.0	7.5	15.0	
<i>Montipora verrucosa</i>		0.1	0.3	0.3	0.1	
<i>Montipora patula</i>	0.2	0.1	0.1	0.5		
Sand	5.0	2.5	4.0	1.5	4.0	
Rubble	12.0		3.5	2.0	12.0	
Hard Substratum	41.0	76.0	74.6	55.5	63.7	

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals				
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Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	39				
Phylum Mollusca					
<i>Spondylus tenebrosus</i>	2				
<i>Phyllida varicosa</i>	1				
Phylum Echinodermata					
<i>Echinothrix diadema</i>	5				
<i>Tripneustes gratilla</i>	1				
<i>Echinometra mathaei</i>	1				

III. Fish Census (4 m $\infty$ 20 m)					
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37 Species					
356 Individuals					
Estimated Standing Crop = 602 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 17.4 to 18.2 m; mean coral coverage is 27.6% (quadrat method).