

TABLE 1. Summary of Biological Observations Made at Transect T-1, Offshore of Kewalo Landfill (Station A) on 28 August 1995

I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Polysiphonia</i> sp.			2.0	4.2	3.0	
Sponges						
<i>Spirastrella coccinea</i>	0.7				0.1	1.0
Corals						
<i>Porites lobata</i>	26.0	8.2	5.0	30.0	9.0	
<i>Porites compressa</i>	0.1		0.2	1.5		
<i>Pocillopora meandrina</i>	6.0	5.1	4.2	11.1	7.0	
<i>Montipora verrucosa</i>	0.1	0.1	0.2	0.6		
<i>Montipora verrilli</i>	0.1		0.2			
<i>Montipora patula</i>	0.3	0.2				0.1
Sand	3.0	1.0	5.0			2.0
Rubble	4.5	1.5	3.0			
Hard Substratum	59.2	81.9	78.0	53.7	80.9	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	39				
<i>Sabellastarte sanctijosephi</i>	1				
Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
<i>Conus lividus</i>	1				
Phylum Echinodermata					
<i>Echinothrix diadema</i>	10				
<i>Echinothrix calamaris</i>	6				
<i>Tripneustes gratilla</i>	2				
<i>Echinostrephus aciculatum</i>	1				
<i>Heterocentrotus mammillatus</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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37 Species					
256 Individuals					
Estimated Standing Crop = 301 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 23.1% (quadrat method).