

TABLE 1. Summary of Biological Observations Made at Transect T-1, Offshore of Kewalo Landfill (Station A) on 20 September 1994

I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Desmia hornemannii</i>	2.6					
<i>Amansia glomerata</i>				0.1	0.7	
<i>Enteromorpha</i> sp.			0.1	0.1		
<i>Liagora maxima</i>					0.8	0.3
<i>Sphacelaria furcigera</i>						1
Sponges						
<i>Spirastrella coccinea</i>	0.1	0.1				
Corals						
<i>Porites lobata</i>	38	11	10	32	4	
<i>Porites compressa</i>	0.7		0.2	3.2		
<i>Pocillopora meandrina</i>	1	5.5	3.4	6.5	15	
<i>Montipora verrucosa</i>		0.1	0.1			
<i>Montipora verrilli</i>			0.1			
<i>Montipora patula</i>			0.2	0.1	0.1	
Sand	2		3	0.7	7	
Rubble	3		4		7	
Hard Substratum	52.6	83.2	78.8	56	65.6	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	13				
<i>Sabellastarte sanctijosephi</i>	2				
Phylum Mollusca					
<i>Lithophaga</i> sp.	1				
Phylum Echinodermata					
<i>Echinothrix diadema</i>	5				
<i>Tripneustes gratilla</i>	1				
<i>Echinometra mathaei</i>	2				
<i>Linckia multiflora</i>	3				

III. Fish Census (4 m ∞ 20 m)					
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27 Species					
289 Individuals					
Estimated Standing Crop = 726 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 26.2% (quadrat method).

