

TABLE 3. Summary of Biological Observations Made at Transect T-2, 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>Amansia glomerata</i>	0.7					0.1
<i>Porolithon onkodes</i>				0.7		
<i>Sphacelaria furcigera</i>	0.5	1			2	4
<i>Polysiphonia</i> sp.	0.2					
<i>Liagora</i> sp.						0.1
Sponges						
<i>Spirastella coccinea</i>				1	0.5	0.2
Corals						
<i>Porites lobata</i>	26	11	53	36	11	
<i>Porites compressa</i>			0.6	0.2		
<i>Pocillopora meandrina</i>		1.1	3.3	4	3.5	
<i>Pocillopora eydouxi</i>				4		
<i>Montipora verrucosa</i>		0.1	2.8		0.1	
<i>Montipora patula</i>		0.1				
Sand	1					2
Hard Substratum	71.6	86.9	41.4	53.3	79	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Spondylus tenebrosus</i>	3				
<i>Conus imperialis</i>	1				
Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	23				
<i>Sabellastarte sanctijosephi</i>	1				
Phylum Echinodermata					
<i>Tripneustes gratilla</i>	2				
<i>Echinostrephus aciculatum</i>	1				
<i>Echinometra mathaei</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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22 Species					
168 Individuals					
Estimated Standing Crop = 723 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 to 18.2 m; mean coral coverage is 31.4% (quadrat method).

