

TABLE 1. Summary of Biological Observations made at Transect T-1 on the Mokapu Ocean Outfall Diffuser on 27 July 1998. (Sampling began at the main stake marking this transect and continued in a seaward direction.)

I. Quadrat Survey	Percent Cover				
	Quadrat Distance Along Transect				
	0 m	5 m	10 m	15 m	20 m
Algae					
<i>Porolithon onkodes</i>	12.0	4.0	15.0	3.0	9.0
<i>Peyssonellia rubra</i> (?)	9.0	15.0	8.0	7.0	14.0
Hydrozoans					
<i>Halocordyle disticha</i>				1.0	
Bryozoans					
<i>Reteporellina denticulata</i>			1.1	1.5	
Corals					
<i>Porites lobata</i>	39.0		7.0	17.0	17.0
<i>Porites compressa</i>	0.3				
Rubble		12.0			
Hard Substratum	39.7	69.0	68.9	70.5	60.0

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				

Phylum Annelida	
<i>Loimia medusa</i>	1
Phylum Echinodermata	
<i>Echinometra mathaei</i>	3
<i>Echinothrix diadema</i>	27
<i>Echinothrix calamaris</i>	6
<i>Heterocentrotus mammillatus</i>	2

III. Fish Census (4 m ∞ 20 m)					

34 Species					
1,481 Individuals					
Estimated Standing Crop = 1,124 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 is 29.6 m; mean coral coverage is 16.1% (quadrat method).

