

TABLE 1. Summary of Biological Observations Made at Transect BP-1-A, 2.2 km Northeast and Inshore of Barbers Point Ocean Outfall Terminus, on 11 January 1999

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Porolithon onkodes</i>	8.0	1.0				
<i>Desmia hornemannii</i>					0.3	
Sponges						
<i>Chondrosia chucalla</i>		1.1	0.5	1.1		0.1
Soft Corals						
<i>Anthelia edmondsoni</i>	0.4		0.1	0.1		0.1
Corals						
<i>Porites lobata</i>	2.0	46.0	1.0			3.0
<i>Porites compressa</i>		2.4		1.0		2.0
<i>Pocillopora meandrina</i>			1.3	2.9		
<i>Montipora verrucosa</i>				0.3		
<i>Montipora patula</i>			1.0	0.4		1.4
Sand	1.5		23.0	3.0		
Rubble	41.1	34.5	64.1	90.9		5.4
Hard Substratum	47.0	15.0	9.0			1.2

II. Macroinvertebrate Census (4 m \times 20 m)	No. of Individuals				
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Phylum Mollusca	
<i>Spondylus tenebrosus</i>	4

<i>Lithophaga</i> sp.	4
<i>Chromodoris vibrata</i>	1
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	27
Phylum Echinodermata	
<i>Echinothrix diadema</i>	5
<i>Echinothrix calamaris</i>	1
<i>Echinometra mathaei</i>	2
<i>Heterocentrotus mammillatus</i>	1

III. Fish Census (4 m ∞ 20 m)					
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34 Species					
558 Individuals					
Estimated Standing Crop = 124 g/m ²					

NOTE: Results of the 5-m² quadrat sampling (visual appraisal) of the benthic community are presented in Part I, counts of diurnally exposed macroinvertebrates are given in Part II, and a summary of the fish census is presented in Part III. Water depth ranges from 14.9 m to 15.8 m; mean coral coverage is 18.7% (visual quadrat method).