

TABLE 1. Summary of Biological Observations Made at Transect BP-1-A, 2.2 km Inshore and Northeast of Barbers Point Ocean Outfall Terminus on 27 April 1994

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Porolithon onkodes</i>	4	1.5	1			
Sponges						
<i>Spirastrella coccinea</i>			0.7			
<i>Chondrosia chucalla</i>				1		
Soft Corals						
<i>Anthelia edmondsoni</i>	0.5		0.3	0.5	2.2	
Corals						
<i>Porites lobata</i>	19	51	1.2	0.8	12	
<i>Porites compressa</i>		0.9	0.6	0.3		
<i>Pocillopora meandrina</i>		0.5				
<i>Montipora verrucosa</i>				0.1	0.1	
<i>Montipora patula</i>				0.4		
Sand			7	3	13	
Rubble	22	38	48.2	85.9	41.7	
Hard Substratum	54.5		41	8	31	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
<i>Octopus cyanea</i>	1				
<i>Lithophaga</i> sp.	1				
Phylum Annelida					
<i>Loimia medusa</i>	5				
<i>Sabellastarte sanctijosephi</i>	1				
Phylum Arthropoda					
<i>Aniculus strigatus</i>	1				
Phylum Echinodermata					
<i>Linckia diplax</i>	1				
<i>Echinometra mathaei</i>	2				

III. Fish Census (4 m ∞ 20 m)					
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39 Species					
386 Individuals					
Estimated Standing Crop = 222 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 to 15.8 m; mean coral coverage is 17.4% (visual quadrat method).