

TABLE 3. Summary of Biological Observations Made at Transect BP-1-B, 2.2 km Inshore and Northeast of Barbers Point Ocean Outfall Terminus, on 29 January 1998

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Porolithon onkodes</i>	6.0					2.1
Sponges						
<i>Chondrosia chucalla</i>			0.7	1.3		
Soft Corals						
<i>Anthelia edmondsoni</i>	0.1					1.1
Corals						
<i>Porites lobata</i>	8.0	27.0		0.2	31.0	
<i>Porites compressa</i>		9.0	0.3	1.0	1.8	
<i>Pocillopora meandrina</i>	0.2	1.0	0.5	0.2		
<i>Montipora patula</i>			0.1	0.7	1.1	
<i>Pavona varians</i>		0.3				
Sand	4.0		9.0	3.0		
Rubble	25.0	7.0	89.4	86.6	44.9	
Hard Substratum	56.7	55.7		7.0	18.0	

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

III. Fish Census (4 m ∞ 20 m)					
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33 Species					
608 Individuals					
Estimated Standing Crop = 141 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 16.5% (visual quadrat method).