

TABLE 7. Summary of Biological Observations Made at Transect BP-3-B, 3.3 km West and Inshore of Barbers Point Ocean Outfall Terminus on 25 April 1994

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Sponges						
<i>Spirastrella coccinea</i>			2.5		1.3	0.8
<i>Chondrosia chucalla</i>			0.1			
<i>Asteropus kaena</i> (?)				0.4		
Soft Corals						
<i>Anthelia edmondsoni</i>	0.1					
Corals						
<i>Porites lobata</i>			6		6.3	
<i>Porites compressa</i>					0.8	0.9
<i>Pocillopora meandrina</i>	0.3	0.1			0.5	0.4
<i>Montipora patula</i>	0.1	0.5	0.1	0.1	0.1	0.3
<i>Pavona varians</i>					0.2	
Sand					3	
Rubble	74.5	82.8	99.5	89.1	78.6	
Hard Substratum	25	8				19

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Spondylus tenebrosus</i>	2				
<i>Cymatium pileare</i>	1				
Phylum Echinodermata					
<i>Tripneustes gratilla</i>	3				
<i>Echinothrix calamaris</i>	1				
<i>Echinothrix diadema</i>	3				
<i>Echinometra mathaei</i>	8				
<i>Heterocentrotus mammillatus</i>	2				
<i>Diadema setosum</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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18 Species					
109 Individuals					
Estimated Standing Crop = 445 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 16.5 to 16.8 m; mean coral coverage is 3.3% (visual quadrat method).

