

TABLE 9. Summary of Biological Observations Made at Transect BP-4-B, Situated on Smooth Limestone Substratum 15 m East of the Basalt Caprock of the Barbers Point Discharge Pipe, Approximately 1.4 km Inshore (North) 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>Asteropus kaena</i>		0.3				
<i>Chondrosia chucalla</i>	0.4				1.1	1.2
<i>Calyspongia diffusa</i>		0.1				
Soft Corals						
<i>Anthelia edmondsoni</i>						0.1
Corals						
<i>Porites lobata</i>	0.7	0.2	1.2	1.2		0.8
<i>Pocillopora meandrina</i>	7.5		0.3	4.5		
<i>Montipora patula</i>	2.3					
Sand		6	89.5			
Hard Substratum	89.1	93.4	9	93.2		97.9

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Conus miles</i>	1				
Phylum Echinodermata					
<i>Echinostrephus aciculatum</i>	5				

III. Fish Census (4 m ∞ 20 m)					
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10 Species					
15 Individuals					
Estimated Standing Crop = 12 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 is 13.1m to 13.4 m; mean coral coverage is 3.7% (visual quadrat method).