

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 11 January 1999

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m

Algae						
<i>Desmia hornemannii</i>		0.6				
Sponges						
<i>Chondrosia chucalla</i>		0.2				
<i>Spirastrella coccinea</i>	1.5		0.9			
Corals						
<i>Porites lobata</i>	0.6	0.4	0.9	2.3	3.3	
<i>Pocillopora meandrina</i>	9.0	0.4	1.0	1.1	0.2	
<i>Montipora patula</i>	19.0			1.7		
<i>Montipora verrucosa</i>					0.1	
Hard Substratum	69.9	98.4	97.2	94.9	96.4	

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals				
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Phylum Mollusca	
<i>Conus marmoratus</i>	1
<i>Conus miles</i>	1
<i>Spondylus tenebrosus</i>	1
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	22
Phylum Arthropoda	
<i>Aniculus strigatus</i>	1
Phylum Echinodermata	
<i>Echinostrephus aciculatum</i>	3
<i>Echinothrix diadema</i>	41
<i>Echinothrix calamaris</i>	16

III. Fish Census (4 m $\infty$ 20 m)					
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18 Species					
57 Individuals					
Estimated Standing Crop = 62 g/m <sup>2</sup>					

NOTE: Results of the 5-m<sup>2</sup> 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 13.1 to 13.4 m; mean coral coverage is 8.0% (visual quadrat method).