

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 29 January 1998

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Desmia hornemannii</i>		1.3	0.7	0.4	0.2	
Sponges						
<i>Chondrosia chucalla</i>	0.4	0.1	0.2	0.5	0.2	
<i>Spirastrella coccinea</i>						0.9
<i>Plakortis simplex</i>		0.1	0.1			
Soft Corals						
<i>Anthelia edmondsoni</i>				0.1		
Corals						
<i>Porites lobata</i>	1.2	0.4	2.0	3.7	2.0	
<i>Pocillopora meandrina</i>	8.1	0.7	1.7	3.8	0.2	
<i>Montipora patula</i>	4.0				0.3	
<i>Montipora verrucosa</i>	0.1				0.1	
Hard Substratum	86.2	97.4	95.3	91.5	96.1	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca	
<i>Pinctada maragartifera</i>	1
Phylum Annelida	
<i>Loimia medusa</i>	1
<i>Spirobranchus giganteus corniculatus</i>	10
Phylum Echinodermata	
<i>Echinostrephus aciculatum</i>	4
<i>Echinothrix diadema</i>	2

III. Fish Census (4 m ∞ 20 m)					
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17 Species					
123 Individuals					
Estimated Standing Crop = 115 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 13.1 to 13.4 m; mean coral coverage is 5.7% (visual quadrat method).