

TABLE 5. Summary of Biological Observations Made at Transect BP-2-B, 0.25 km East of the Discharge Pipe and 1.5 km Inshore and Northeast of Barbers Point Ocean Outfall Terminus, on 19 June 1995

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Amansia glomerata</i>	0.1	0.5	1.2	0.4	0.6	
<i>Asparagopsis taxiformis</i>				0.1		
<i>Avrainvillea amadelpha</i>	0.1		2.0		0.1	
<i>Dictyopteris australis</i>			0.1	0.9		
<i>Halimeda opuntia</i>		0.1				
<i>Martensia fragilis</i>				0.1		
Sponges						
<i>Chondrosia chucalla</i>		0.3	2.0	0.3	0.9	
<i>Spirastrella coccinea</i>	0.8			0.1		
Soft Corals						
<i>Anthelia edmondsoni</i>	0.1	0.1	0.1	0.1	0.1	
Corals						
<i>Porites lobata</i>	0.4	1.1	0.5	0.4		
<i>Pocillopora meandrina</i>			0.2	0.1		
Sand	12.0	6.0				2.0
Hard Substratum	86.5	91.9	93.9	97.5	98.3	

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Conus imperialis</i>	1				
<i>Streptopinna saccata</i>	1				
Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	6				
Phylum Arthropoda					
<i>Stenopus hispidus</i>	2				
Phylum Echinodermata					
<i>Echinothrix calamaris</i>	4				
<i>Echinothrix diadema</i>	1				
<i>Echinostrephus aciculatum</i>	3				

III. Fish Census (4 m $\infty$ 20 m)					
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15 Species					
68 Individuals					
Estimated Standing Crop = 26 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 11.6 to 11.9 m; mean coral coverage is 0.6% (visual quadrat method).