

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 25 April 1994

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Amansia glomerata</i>	0.3					0.2
<i>Asparagopsis taxiformis</i>		0.1				
<i>Avrainvillea amadelpha</i>				0.3		
<i>Lyngbya majuscula</i>				0.2	0.1	0.3
Sponges						
<i>Chondrosia chucalla</i>		0.1	1.1			0.6
<i>Spirastrella coccinea</i>	0.9				0.1	0.4
<i>Callyspongia diffusa</i>			0.1	0.1		
Soft Corals						
<i>Anthelia edmondsoni</i>	0.1	0.2	0.6	0.3		0.2
Corals						
<i>Porites lobata</i>		1.3	2.3			0.5
<i>Pocillopora meandrina</i>			0.1	0.1		
<i>Montipora patula</i>			0.3			
<i>Montipora verrucosa</i>						0.1
Sand	46	1	4	12		2
Hard Substratum	52.7	97.3	91	87.3		95.7

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Conus lividus</i>	1				
<i>Conus leopardus</i>	1				
<i>Terebra maculata</i>	1				
Phylum Arthropoda					
<i>Stenopus hispidus</i>	1				
Phylum Echinodermata					
<i>Tripneustes gratilla</i>	1				
<i>Echinostrephus aciculatum</i>	5				

III. Fish Census (4 m ∞ 20 m)					
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11 Species					
36 Individuals					

Estimated Standing Crop = 25 g/m ²					
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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 11.3 to 11.9 m; mean coral coverage is 8.1% (visual quadrat method).

