

TABLE 4. Summary of Biological Observations Made at Transect BP-2-A, 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>Avrainvillea amadelpha</i>	0.1					
<i>Asparagopsis taxiformis</i>					0.1	
<i>Asparagopsis taxiformis</i>			0.5			
Sponges						
<i>Chondrosia chucalla</i>	0.9	0.2	1.0	1.1	1.1	
<i>Callyspongia diffusa</i>		0.1				
<i>Spirastrella coccinea</i>		0.8				
<i>Microciona maunaloa</i>	0.1					
Soft Corals						
<i>Anthelia edmondsoni</i>	0.3	0.1	0.5	0.2		
Corals						
<i>Porites lobata</i>	2.4		0.6	1	1.3	
Sand		31	62	4		37
Hard Substratum	96.2	67.8	35.5	93.6		57.3

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

III. Fish Census (4 m ∞ 20 m)					
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5 Species					
7 Individuals					
Estimated Standing Crop = 2 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 11.3 to 11.9 m; mean coral coverage is 0.9% (visual quadrat method).