

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 19 June 1995

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Avrainvillea amadelpha</i>	1.0				0.2	
<i>Asparagopsis taxiformis</i>	0.1					
<i>Amansia glomerata</i>	1.7	0.1	0.1			
<i>Padina japonica</i>	0.1				0.1	
<i>Dictyopteris australis</i>					1.0	
Sponges						
<i>Chondrosia chucalla</i>	0.4	0.1	1.0	1.8	1.9	
<i>Spirastrongia coccinea</i>	0.1	0.1			0.3	
Soft Corals						
<i>Anthelia edmondsoni</i>	0.1			0.1		
Corals						
<i>Porites lobata</i>	2.6	0.8	0.6	0.6	0.3	
<i>Pocillopora meandrina</i>				0.1	0.7	
Sand	2.0	35.0	7.0		5.0	
Hard Substratum	91.9	63.9	91.3	96.1	91.8	

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Conus imperialis</i>	1				
<i>Conus lividus</i>	2				
<i>Conus quercinus</i>	2				
Phylum Annelida					
<i>Spirobranchus giganteus corniculatus</i>	1				
Phylum Echinodermata					
<i>Echinostrephus aciculatum</i>	2				
<i>Tripneustes gratilla</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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9 Species					
22 Individuals					
Estimated Standing Crop = 11 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 is 11.3 m; mean coral coverage is 1.0% (visual quadrat method).