

TABLE 6. Summary of Biological Observations Made at Transect BP-3-A, 3.3 km West and Inshore of Barbers Point Ocean Outfall Terminus, on 30 January 1998

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Sponges						
<i>Chondrosia chucalla</i>			0.6	0.3	0.2	0.1
<i>Spirastrella coccinea</i>	1.1		1.2		1.3	0.2
<i>Plakortis simplex</i>					0.4	
Soft Corals						
<i>Anthelia edmondsoni</i>			0.1			
Corals						
<i>Porites lobata</i>	3.2		1.1		7.2	0.9
<i>Porites compressa</i>			0.5		2.1	
<i>Pocillopora meandrina</i>	0.9		0.7	0.1	2.7	1.3
<i>Montipora verrucosa</i>	0.1					
<i>Montipora patula</i>			4.1		1.0	
Sand	2.0		5.0	3.0	4.0	1.0
Rubble	70.7		72.7	91.6	53.1	85.5
Hard Substratum	22.0		14.0	5.0	28.0	11.0

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals				
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Phylum Mollusca	
<i>Spondylus tenebrosus</i>	3
<i>Lithophaga</i> sp.	2
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	28
Phylum Echinodermata	
<i>Echinometra mathaei</i>	10
<i>Echinostrephus aciculatum</i>	5
<i>Culcita novaeguineae</i>	1

III. Fish Census (4 m $\infty$ 20 m)					
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27 Species					
224 Individuals					
Estimated Standing Crop = 231 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 16.5 to 16.8 m; mean coral coverage is 5.2% (visual quadrat method).