

TABLE 7. Summary of Biological Observations Made at Transect BP-3-B, 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>Spirastrella coccinea</i>			8.0		3.3	
<i>Chondrosia chucalla</i>	0.1			0.4		0.3
<i>Plakortis simplex</i>	0.1					
Soft Corals						
<i>Anthelia edmondsoni</i>				0.3		1.0
Corals						
<i>Porites lobata</i>			2.3	0.2	21.0	
<i>Porites compressa</i>					4.1	
<i>Pocillopora meandrina</i>					6.3	0.1
<i>Montipora patula</i>	0.6					0.1
<i>Montipora verrucosa</i>						0.2
Sand	3.0			9.0		31.0
Rubble	73.2		58.7	90.1	48.3	60.3
Hard Substratum	23.0		31.0		17.0	7.0

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca	
<i>Spondylus tenebrosus</i>	2
<i>Lithophaga</i> sp.	2
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	14
Phylum Arthropoda	
<i>Aniculus strigatus</i>	1
Phylum Echinodermata	
<i>Echinometra mathaei</i>	5
<i>Echinothrix calamaris</i>	1
<i>Echinothrix diadema</i>	7
<i>Heterocentrotus mammillatus</i>	4
<i>Tripneustes gratilla</i>	3

III. Fish Census (4 m ∞ 20 m)					
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30 Species					
473 Individuals					
Estimated Standing Crop = 499 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 16.5 to 16.8 m; mean coral coverage is 7.0% (visual quadrat method).