

TABLE 6. Summary of Biological Observations Made at Transect BP-3-A, 3.3 km West and Inshore of Barbers Point Deep Ocean Outfall Terminus (Station BP-3), May 1993

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect (m)				
		0	5	10	15	20
Sponges						
<i>Spirastrella coccinea</i>				0.2		
<i>Chondrosia chucalla</i>				0.1	0.7	
Corals						
<i>Porites lobata</i>	0.1	1.2	0.5	13	0.1	
<i>P. compressa</i>				4	0.1	
<i>P. (Synaraea) convexa</i>		0.2				
<i>Pocillopora meandrina</i>	0.3	0.1	0.1	2.8		
<i>Montipora patula</i>	0.3					
Sand	4	3	2			1
Rubble	91.3	85.5	94.1	65.5	88.8	
Hard Substratum	4	10	3	14	10	

II. Macroinvertebrate Census (4 ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
<i>Conus leopardus</i>	1				
<i>Turbo intercostalis</i>	1				
Phylum Echinodermata					
<i>Tripneustes gratilla</i>	3				
<i>Echinometra mathaei</i>	3				
<i>Echinostrephus aciculatum</i>	1				
<i>Echinothrix calamaris</i>	8				
<i>Heterocentrotus mammillatus</i>	4				
<i>Culcita novaeguineae</i>	1				

III. Fish Census (4 ∞ 20 m)					
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28 Species					
82 Individuals					
Estimated Standing Crop = 70 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 16.5 to 16.8 m; mean coral coverage is 4.6% (visual quadrat method).

