

TABLE 8. Summary of Biological Observations Made at Transect BP-4-A, Situated on the Basalt Caprock of the Barbers Point Discharge Pipe, Approximately 1.4 km Inshore (North) of Barbers Point Ocean Outfall Terminus, on 29 January 1998

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m
Algae						
<i>Porolithon onkodes</i>				6.0		
Sponges						
<i>Spirastrella coccinea</i>						0.9
<i>Chondrosia chucalla</i>				0.2		
Corals						
<i>Porites lobata</i>	21.0	29.0	26.0	11.0	21.0	
<i>Pocillopora meandrina</i>		0.1		0.1		
Sand				1.0		
Rubble	4.0	4.0	12.0	15.0	6.0	
Hard Substratum	75.0	66.9	56.0	72.7	72.1	

II. Macroinvertebrate Census (4 m $\infty$ 20 m)	No. of Individuals				
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Phylum Mollusca	
<i>Spondylus tenebrosus</i>	20
<i>Pteraeolidia ianthina</i>	3
Phylum Annelida	
<i>Spirobranchus giganteus corniculatus</i>	173
<i>Loimia medusa</i>	1
Phylum Echinodermata	
<i>Echinothrix diadema</i>	96
<i>Echinothrix calamaris</i>	5
<i>Linckia diplax</i>	1
<i>Echinometra mathaei</i>	1

III. Fish Census (4 m $\infty$ 20 m)					
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50 Species					
2,137 Individuals					
Estimated Standing Crop = 1,263 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 is 12.2 m; mean coral coverage is 21.6% (visual quadrat method).

