

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 19 June 1995

		Percent Cover				
I. Quadrat Survey		Quadrat Distance Along Transect				
		0 m	5 m	10 m	15 m	20 m

Algae						
<i>Porolithon onkodes</i>						10.0
Soft Corals						
<i>Chondrosia chucalla</i>			1.0			0.1
Corals						
<i>Porites lobata</i>	19.0	46.0	26.0	27.0		22.0
Rubble	11.0	6.0	11.0	2.0		
Hard Substratum	70.0	48.0	62.0	71.0		67.9

II. Macroinvertebrate Census (4 m ∞ 20 m)	No. of Individuals				
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Phylum Mollusca					
<i>Spondylus tenebrosus</i>	1				
<i>Pteraeolidia ianthina</i>	12				
Phylum Annelida					
<i>Loimia medusa</i>	4				
<i>Sabellastarte sanctijosephi</i>	3				
Phylum Arthropoda					
<i>Panulirus penicillatus</i>	1				
Phylum Echinodermata					
<i>Tripneustes gratilla</i>	4				
<i>Echinothrix calamaris</i>	1				
<i>Echinothrix diadema</i>	93				
<i>Echinometra mathaei</i>	1				

III. Fish Census (4 m ∞ 20 m)					
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48 Species					
943 Individuals					
Estimated Standing Crop = 440 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 15.2 to 15.8 m; mean coral coverage is 28.0% (visual quadrat method).