

TABLE 5. SUMMARY OF BIOLOGICAL OBSERVATIONS MADE AT TRANSECT A
(INSHORE) AT STATION BP-3, 19 AUGUST 1991

Location and Species		Quadrat Number			
I. QUADRAT SURVEY					
BP-3 at 0 m		CAA-1	CAA-2	CAA-3	CAA-4

Algae					
<i>Tolypocladia glomerulata</i>	0.3				
<i>Hydrolithon reinboldi</i>	0.3	1.1			
<i>Porolithon onkodes</i>	0.8	0.6	0.8	0.3	
Sponge					
<i>Spirastrella coccinea</i>	0.3		0.3	1.1	
<i>Spongia oceania</i>	0.3				
Coral					
<i>Porites lobata</i>	11.8	7.3	5.6	2.5	
<i>Pocillopora meandrina</i>	0.3	1.1			
Sand			11.8		
Rubble	37.3	46.2	50.4	76.8	
Hard Substratum	48.6	43.7	31.1	19.3	

BP-3 at 10 m		CAB-1	CAB-2	CAB-3	CAB-4

Algae					
<i>Hydrolithon reinboldi</i>			0.8		
Coral					
<i>Porites lobata</i>	0.3	0.3	0.3	0.3	
<i>P. compressa</i>		0.6			
<i>Pocillopora meandrina</i>	1.1				0.6
<i>Montipora verrucosa</i>		0.3			
Sand	4.2	0.8	0.6	1.4	
Rubble	94.4	98.0	98.3	97.7	

BP-3 at 20 m		CAC-1	CAC-2	CAC-3	CAC-4

Algae					
<i>Hydrolithon reinboldi</i>	1.4	1.1	1.1	0.6	
<i>Porolithon onkodes</i>	6.4	10.1	5.3	4.5	
Sponge					
<i>Spirastrella coccinea</i>	0.1	0.4	0.1	0.1	
Coral					
<i>Porites lobata</i>	23.8	13.7	7.8	17.9	
Sand	0.3	2.8	2.5		
Rubble	5.6	31.4	45.4	29.4	
Hard Substratum	62.4	40.5	37.8	47.5	

Mean Coral Coverage = 8.0%

TABLE 5.— <i>Continued</i>					
Species					
II. INVERTEBRATE CENSUS (4			NUMBER		

Phylum Mollusca	
<i>Spondylus tenebrosus</i>	3
Phylum Arthropoda	
<i>Panulirus marginatus</i>	7
Phylum Echinodermata	
<i>Heterocentrotus mammillatus</i>	10
<i>Tripneustes gratilla</i>	15
<i>Echinothrix diadema</i>	1
<i>E. calamaris</i>	1
<i>Echinometra mathaei</i>	11
<i>Culcita novaeguineae</i>	1

III. FISH CENSUS (4 ∞ 20 m)					

38 Species
367 Individuals
Estimated Standing Crop = 343 g/m²

NOTE: Results of the 8 m ² quadrat sampling 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 given in Part III. Water depth ranged from 16.5 to 16.8 m; mean coral coverage = 8.0 percent (quadrat method).					