

TABLE 1. SUMMARY OF BIOLOGICAL OBSERVATIONS MADE AT TRANSECT A (INSHORE) AT STATION BP-1, 20 AUGUST 1991					
Location and Species		Quadrat Number			
I. QUADRAT SURVEY					
BP-1 at 0 m		AAA-1	AAA-2	AAA-3	AAA-4

Algae					
<i>Hydrolithon reinboldii</i>	13.2	1.7	4.2	9.2	
<i>Porolithon onkodes</i>	0.8	0.8			
Soft Corals					
<i>Zoanthus pacificus</i>			0.3		
<i>Anthelia edmondsoni</i>	0.3				
<i>Palythoa tuberculosa</i>					1.7
Corals					
<i>Porites lobata</i>	12.6	45.4	69.4	31.4	
<i>P. compressa</i>		2.2	1.4		
<i>Montipora verrucosa</i>			0.3		
Rubble		6.7			
Hard Substratum	73.1	43.2	24.4	57.7	

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

Algae					
<i>Hydrolithon reinboldii</i>	2.2	0.6	1.7	0.8	
<i>Porolithon onkodes</i>	0.8		0.8	0.6	
Sponge					
<i>Spirastrella coccinea</i>			0.1		
Corals					
<i>Porites lobata</i>	17.9	3.3	13.2	19.9	
<i>P. compressa</i>	3.9	2.5	3.6	3.9	
Sand	2.0	0.8	1.7		
Rubble	22.4	86.4	31.7	74.8	
Hard Substratum	55.2	6.4	47.2		

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

Algae					
<i>Hydrolithon reinboldii</i>	1.7	5.6	3.9		
<i>Porolithon onkodes</i>			0.6		
<i>Pliocanium sandvicense</i>			0.3		0.3
Sponge					
<i>Spongia oceania</i>	0.3	4.5	1.4		
Soft Coral					
<i>Anthelia edmondsoni</i>	1.1	0.6	1.1	0.8	
Coral					
<i>Porites lobata</i>	5.6	8.7	27.5	7.3	
<i>Montipora verrucosa</i>				0.1	
Sand	0.3	6.7		0.6	
Rubble	72.5	28.0	30.8	60.1	

Hard Substratum	18.5	45.9	34.4	30.8
Mean Coral Coverage = 23.3%				

TABLE 1.— <i>Continued</i>					
Species					
II. INVERTEBRATE CENSUS (4			NUMBER		

Phylum Mollusca

Spondylus tenebrosus

3

Tritonalia tritonis

1

Phylum Echinodermata

Echinothrix diadema

1

Trineustes gratilla

1

III. FISH CENSUS (4 ∞ 20 m)					

47 Species

745 Individuals

Estimated Standing Crop = 406 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 = 14.9 m; mean coral coverage = 23.3 percent (quadrat method).					