

TABLE 3. SUMMARY OF BIOLOGICAL OBSERVATIONS MADE AT TRANSECT A (INSHORE) AT STATION BP-2, 19 AUGUST 1991					
Location and Species		Quadrat Number			
I. QUADRAT SURVEY					
BP-2 at 0 m		BAA-1	BAA-2	BAA-3	BAA-4

Algae					
<i>Desmia hornemannii</i>		1.4	0.3		
Sponge					
<i>Spongia oceania</i>		0.6	0.4	0.3	0.1
<i>Spirastrella coccinea</i>			0.1		
<i>Aplysilla violacea</i>				1.5	
Soft Coral					
<i>Anthelia edmondsoni</i>					0.3
Coral					
<i>Porites lobata</i>		3.1	6.2	0.6	4.2
<i>Pocillopora meandrina</i>		0.3			
<i>Montipora verrilli</i>		0.1			
Sand		0.6	0.6	0.8	1.7
Hard Substratum		93.9	92.4	96.8	93.7

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

Algae					
<i>Desmia hornemannii</i>		0.3		0.3	0.3
<i>Pliocanium sandvicense</i>			0.3	0.3	
<i>Halimeda opuntia</i>				0.3	
<i>Sphacelaria furcigera</i>					0.3
Sponge					
<i>Spongia oceania</i>		1.1			0.3
<i>Spirastrella coccinea</i>			0.1	0.3	
Coral					
<i>Porites lobata</i>		4.8	0.8	0.8	0.3
<i>Pocillopora meandrina</i>			1.1	0.8	0.8
Sand		2.8	2.8	2.2	1.1
Hard Substratum		91.0	94.9	95.0	96.9

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

Algae					
<i>Desmia hornemannii</i>				0.3	
<i>Pliocanium sandvicense</i>		0.1		0.3	0.3
<i>Polysiphonia</i> sp.		0.3	0.1		
Sponge					
<i>Spongia oceania</i>		0.6	0.3		0.8
Coral					
<i>Porites lobata</i>				0.3	0.3
<i>Pocillopora meandrina</i>		12.3	2.0	1.1	3.4

Sphacelaria furcigera

Spirastrella coccinea

Sand	2.2	3.4	1.7	1.7
Hard Substratum	83.6	94.2	96.3	93.5
Mean Coral Coverage = 3.6%				

TABLE 3.— <i>Continued</i>					
Species					
II. INVERTEBRATE CENSUS (4			NUMBER		

Phylum Mollusca

Conus lividus 1

Phylum Echinodermata

Echinothrix calamaris 3

E. diadema 1

Tripneustes gratilla 2

Echinostrephus aciculatum 2

Echinometra mathaei 7

III. FISH CENSUS (4 ∞ 20 m)					

10 Species

21 Individuals

Estimated Standing Crop = 7 g/m²

NOTE: Results of the 8 m² 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 = 11.3 m; mean coral coverage = 3.6 percent (quadrat method).

