

TABLE 2. Summary of the Results of the Photographic Quadrat Survey for Stations BP-1 Through BP-4, Barbers Point Ocean Outfall, 'Ewa Beach, O'ahu, Hawai'i, 2-4 March 1994

		Percent Cover				
		Photographic Quadrat				
		AAA3	ACC1	AAB3	ACC2	AAC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Algae						
<i>Hydrolithon rienboldii</i>	3.9	16.0				3.1
<i>Porolithon onkodes</i>	1.4	5.6				1.4
Sponges						
<i>Spirastrella coccinea</i>			0.3			
<i>Chondrosia chucalla</i>				0.3		0.6
Corals						
<i>Porites lobata</i>	67.5	40.6				18.8
<i>Porites compressa</i>	5.0	2.8		0.8		0.6
Sand			17.9	3.6		
Rubble			74.8	95.2		43.7
Hard Substratum	22.1	35.0	7.0			31.9
Mean Coral Coverage = 27.2%						

		Percent Cover				
		Photographic Quadrat				
		ABA3	ACA1	ABB3	ACA2	ABC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Algae						
<i>Hydrolithon rienboldii</i>	6.7	1.1	1.7	1.1		3.6
<i>Porolithon onkodes</i>	1.4	0.6				
Sponges						
<i>Spirastrella coccinea</i>		0.1				
<i>Chondrosia chucalla</i>	0.6	0.3	0.3			
Corals						
<i>Porites lobata</i>	21.8	11.2	8.1	15.1		55.7
<i>Porites compressa</i>	2.5	0.6	2.0	5.6		3.1
<i>Pocillopora meandrina</i>						1.1

Sand		0.3	0.3	2.5	
Rubble	11.2	33.3	11.2	16.5	
Hard Substratum	55.7	52.6	76.5	59.1	34.2
Mean Coral Coverage = 25.4%					

TABLE 2—Continued

		Percent Cover				
		Photographic Quadrat				
		BAA3	BCC1	BAB3	BCC2	BAC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Sponges						
<i>Spirastrella coccinea</i>		0.1	0.3	0.3	0.1	
<i>Chondrosia chucalla</i>	0.6	0.1		1.7	0.1	
Corals						
<i>Porites lobata</i>	0.6		0.1	2.2	0.3	
<i>Pocillopora meandrina</i>			0.6	1.4		
Sand	10.1	51.3	58.5	9.2	77.0	
Hard Substratum	88.8	48.5	40.6	85.2	22.4	
Mean Coral Coverage = 1.2%						

		Percent Cover				
		Photographic Quadrat				
		BBA3	BCA1	BBB3	BCA2	BBC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Sponges						
<i>Spirastrella coccinea</i>	0.3	0.3				
<i>Chondrosia chucalla</i>	0.3	0.3		0.3	0.1	
Corals						
<i>Porites lobata</i>	0.6	3.4	0.3			
<i>Pocillopora meandrina</i>		0.6				
Sand	73.7	65.3	79.8	45.7	67.8	
Hard Substratum	25.2	30.3	19.9	4.1	31.9	
Mean Coral Coverage = 1.0%						

TABLE 2—Continued

		Percent Cover				
		Photographic Quadrat				
		CAA3	CCC1	CAB3	CCC2	CAC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Algae						
<i>Porolithon onkodes</i>				0.3		
Sponges						
<i>Spirastrella coccinea</i>		0.3	0.1	0.3		
<i>Chondrosia chucalla</i>		0.3	0.3	2.2		
Corals						
<i>Porites lobata</i>	1.4			3.1		
<i>Porites compressa</i>				0.8		
<i>Pocillopora meandrina</i>				1.4		
<i>Montipora verrucosa</i>			0.1			
Sand	2.0	4.5	2.2			5.3
Rubble	72.3	29.7	97.2	65.2		94.7
Hard Substratum	24.4	65.3		26.6		
Mean Coral Coverage = 1.4%						

		Percent Cover				
		Photographic Quadrat				
		CBA3	CCA1	CBB3	CCA2	CBC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Algae						
<i>Porolithon onkodes</i>	0.8	1.7		0.6	0.1	
<i>Hydrolithon rienboldii</i>	2.2	7.8		1.7		
Sponges						
<i>Spirastrella coccinea</i>	0.4	0.3	0.1	0.8	0.8	
<i>Chondrosia chucalla</i>					0.1	
Corals						
<i>Porites lobata</i>	9.8	20.2		16.2		
<i>Porites compressa</i>				0.6		
<i>Pocillopora meandrina</i>				0.3		
<i>Montipora verrucosa</i>				0.3		

Sand			0.6		0.6
Rubble	40.9	61.3	99.3	44.8	98.3
Hard Substratum	45.8	8.7		34.7	
Mean Coral Coverage = 9.5%					

TABLE 2—Continued

		Percent Cover				
		Photographic Quadrat				
		EAA1	EAA2	EAA3	EAA4	EBA1
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Algae						
<i>Porolithon onkodes</i>				0.6		0.6
Sponges						
<i>Spirastrella coccinea</i>	3.9	0.3	0.8	0.6		0.3
Corals						
<i>Porites lobata</i>	3.4	27.5	19.6	23.8		18.5
<i>Pocillopora meandrina</i>	3.6	0.1				
Rubble	30.0		20.0	1.4		
Hard Substratum	59.1	72.1	59.0	74.2		80.7
Mean Coral Coverage = 19.3%						

		Percent Cover				
		Photographic Quadrat				
		ECA1	ECA2	ECA3	EAC4	EEA1
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)

Sponges						
<i>Spirastrella coccinea</i>						0.1
<i>Chondrosia chucalla</i>	0.3			0.3		1.1
Corals						
<i>Porites lobata</i>	0.8	0.3	1.1	0.6		
<i>Pocillopora meandrina</i>	12.8		0.8			
Sand	1.1	4.2	2.8	1.4		1.4
Hard Substratum	85.4	95.5	95.2	97.8		97.2
Mean Coral Coverage = 3.3%						

NOTE: Presented in the body of the table are the percent cover of species and substrate types for each transect. Note that for Stations BP-1, BP-2 and BP-3 the 5 m and 15 m data are based on one 0.67-m² photo-quadrat and the 0 m, 10 m, and 20 m data on the mean from four 0.67-m² quadrats at each location. Data for Station BP-4 are based on one quadrat at each 5-m stop (i.e., at the 0 m, 5 m, 10 m, 15 m, and 20 m points along the transect).

