

TABLE 2. Summary of the Results of the Photographic Quadrat Survey for Transects at Stations BP-1 Through BP-4, Barbers Point Ocean Outfall, 'Ewa Beach, O'ahu, Hawai'i, 1998

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

Algae						
<i>Porolithon onkodes</i>	3.0	2.0				0.6
<i>Hydrolithon</i> sp.		0.8				
Sponges						
<i>Chondrosia chucalla</i>			0.1	1.0		0.1
Soft Corals						
<i>Anthelia edmondsoni</i>	0.1					
Corals						
<i>Porites lobata</i>	70.0	42.0				24.0
<i>Porites compressa</i>		0.8				0.6
<i>Pocillopora meandrina</i>			0.6	0.7		
Sand			8.0	4.0		
Rubble			8.0	13.0		16.0
Hard Substratum	26.9	54.4	83.3	81.3		58.7
Mean Coral Coverage = 27.7%						

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

Algae						
<i>Porolithon onkodes</i>	0.8	2.0	0.6	2.0		1.0
Sponges						
<i>Chondrosia chucalla</i>			0.3			
Corals						
<i>Porites lobata</i>	22.0	7.0	16.0	11.0		44.0
<i>Porites compressa</i>	2.2	4.0	1.0	3.0		0.6
<i>Pocillopora meandrina</i>	0.3	0.8	0.3			1.0
<i>Montipora patula</i>		2.0		0.4		

Sand			2.0	1.0	
Rubble			4.0	2.0	
Hard Substratum	74.7	84.2	75.8	80.6	53.4
Mean Coral Coverage = 23.1%					

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>	0.3		0.3	0.3		
<i>Chondrosia chucalla</i>	0.6	0.1		1.0	0.1	
Corals						
<i>Porites lobata</i>	0.1	0.1	0.3	2.0	0.8	
<i>Porites compressa</i>				0.6		
<i>Pocillopora meandrina</i>			0.6			
Sand	1.0	8.0	7.0	1.0	6.0	
Rubble					2.0	
Hard Substratum	98.0	91.8	91.8	95.1	91.1	
Mean Coral Coverage = 0.9%						

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

Sponges						
<i>Spirastrella coccinea</i>		0.1			0.1	
<i>Chondrosia chucalla</i>	0.3	0.1	0.1	0.8	0.6	
<i>Plakortis simplex</i>					0.1	
Unidentified orange sponge			0.1			
Corals						
<i>Porites lobata</i>	1.0	2.0	0.1	0.1		
<i>Pocillopora meandrina</i>	0.6	0.3		0.3	0.4	
Sand	12.0	1.1	3.0	3.0	1.1	
Hard Substratum	86.1	96.4	96.7	95.8	97.7	
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>		6.0		2.0		
Sponges						
<i>Spirastrella coccinea</i>		0.1		0.8		
<i>Chondrosia chucalla</i>	0.8	0.3	0.1	0.6	0.1	
Corals						
<i>Porites lobata</i>		0.3		3.4	0.3	
<i>Porites compressa</i>				0.8		
<i>Pocillopora meandrina</i>		0.3		3.0		
Sand	0.8		1.1			5.0
Rubble	60.0	46.0		32.0	40.0	
Hard Substratum	38.4	47.0	98.9	57.4	54.6	
Mean Coral Coverage = 1.6%						

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

Algae						
<i>Porolithon onkodes</i>	2.0	1.1		0.3		
<i>Hydrolithon</i> sp.		0.6		0.8		
Sponges						
<i>Spirastrella coccinea</i>	0.6	6.0		4.0	0.4	
<i>Chondrosia chucalla</i>		0.3			0.1	
Corals						
<i>Porites lobata</i>	16.0	2.2		24.0	0.6	
<i>Pocillopora meandrina</i>		1.4		2.0	0.3	
<i>Montipora patula</i>				0.3		
Sand			0.8			0.8
Rubble	17.0	38.0		14.0	52.0	

Hard Substratum	64.4	50.4	99.2	55.1	45.8
Mean Coral Coverage = 9.4%					

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>				3.0	1.1	12.0
Sponges						
<i>Spirastrella coccinea</i>	3.0	1.0	0.8			
Corals						
<i>Porites lobata</i>	6.0	29.0	27.0	27.0		27.0
<i>Pocillopora meandrina</i>						0.1
Rubble	19.0		12.0			
Hard Substratum	72.0	70.0	57.2	71.9		60.9
Mean Coral Coverage = 23.2%						

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

Sponges						
<i>Chondrosia chucalla</i>	0.3	0.1	0.1	0.8		0.8
<i>Plakortis simplex</i>	0.3	0.1	0.1			
Unidentified orange sponge	0.1					
Corals						
<i>Porites lobata</i>	1.4		3.0	6.0		0.6
<i>Pocillopora meandrina</i>	16.0	0.8	2.0			
<i>Montipora patula</i>	0.8					
Sand	0.8	0.8		0.8		
Hard Substratum	80.3	98.2	94.8	92.4		98.6
Mean Coral Coverage = 6.1%						

NOTE: Presented in the body of the table are the percent cover of species and substrate types for each transect. Data for all stations are based on one 0.67-m² photo-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).

