

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, 1999

		Percent Cover				
		Photographic Quadrat				
		AAA3	ACC1	AAB3	ACC2	AAC3
		(0 m)	(5 m)	(10 m)	(15 m)	(20 m)
Algae						
<i>Porolithon onkodes</i>	6.0	2.0				
Sponges						
<i>Chondrosia chucalla</i>					1.0	
Corals						
<i>Porites lobata</i>	74.0	55.0		0.3	20.0	
<i>Porites compressa</i>		1.0			1.0	
<i>Pocillopora meandrina</i>				1.0	1.0	
<i>Montipora patula</i>					0.1	
Sand				5.0	5.0	
Rubble				11.0	9.0	20.0
Hard Substratum	20.0	42.0	83.0	83.6	59.0	
Mean Coral Coverage = 30.7%						

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

Algae						
<i>Porolithon onkodes</i>	1.1	0.8	0.6	2.8	1.1	
Corals						
<i>Porites lobata</i>	18.2	9.8	12.9	9.8	24.9	
<i>Porites compressa</i>	2.5	5.3	0.8	1.4	1.1	
<i>Pocillopora meandrina</i>	1.1	0.6	0.3		1.1	
<i>Montipora patula</i>		2.5	0.6	1.1		
Sand			1.4	4.2		
Rubble			7.3	2.5		
Hard Substratum	77.1	81.0	76.1	78.2	71.8	
Mean Coral Coverage = 18.8%						

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>	0.8		0.3			
<i>Chondrosia chucalla</i>	0.4			0.3	0.3	
Corals						
<i>Porites lobata</i>	0.1	0.1	0.3	2.8	1.0	
<i>Pocillopora meandrina</i>	0.1		1.1	1.1	0.3	
Sand	0.8	1.4	0.8	0.8	0.8	
Hard Substratum	97.8	98.5	97.5	95.0	97.6	
Mean Coral Coverage = 1.4%						

		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>	0.1	0.3		0.3	0.3	
Corals						
<i>Porites lobata</i>	0.8	1.1	0.3	0.1		
<i>Pocillopora meandrina</i>	1.1	0.6			0.6	
Sand	0.8	0.6	0.6	0.8	0.6	
Hard Substratum	97.2	97.3	99.1	98.8	98.4	
Mean Coral Coverage = 0.9%						

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>		3.9		2.8		
Sponges						
<i>Spirastrella coccinea</i>						0.6
<i>Chondrosia chucalla</i>	0.8	1.0	0.3			0.8
Corals						
<i>Porites lobata</i>		1.3		5.9		0.3
<i>Porites compressa</i>		0.8				
<i>Pocillopora meandrina</i>				4.2		
Sand	0.6		0.3			1.7
Rubble	69.5	22.7	99.4	28.3		37.2
Hard Substratum	29.1	70.3		58.8		59.4
Mean Coral Coverage = 2.5%						

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

Algae						
<i>Porolithon onkodes</i>	1.7	1.1				
<i>Hydrolithon</i> sp.				0.3		
Sponges						
<i>Spirastrella coccinea</i>	1.4	4.5		3.1		0.6
<i>Chondrosia chucalla</i>		0.1				
Corals						
<i>Porites lobata</i>	16.0	1.7		25.5		1.1
<i>Pocillopora meandrina</i>		2.0		4.2		0.6
<i>Montipora patula</i>	0.3	1.1	0.1			0.6
Sand		0.3	0.3			1.4
Rubble	9.8	40.3	99.6	20.2		42.0

Hard Substratum	70.8	48.9		46.7	53.7
Mean Coral Coverage = 10.6%					

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>		0.8	3.1	2.0	3.4	
Sponges						
<i>Spirastrella coccinea</i>	1.4	0.7	1.1	0.1	0.3	
Corals						
<i>Porites lobata</i>	6.4	26.6	29.7	23.5	23.0	
Rubble	14.0		10.6			
Hard Substratum	78.2	71.9	55.5	74.4	73.3	
Mean Coral Coverage = 21.8%						

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

Sponges						
<i>Chondrosia chucalla</i>		0.4	0.3	0.1	0.3	
<i>Plakortis simplex</i>		0.1	0.3			
<i>Spirastrella coccinea</i>	0.1					
Corals						
<i>Porites lobata</i>	0.8	0.1	4.5	6.7	1.4	
<i>Pocillopora meandrina</i>	17.9					
<i>Montipora patula</i>	14.6					
Sand		0.8				0.3
Hard Substratum	66.6	98.6	94.9	93.2	98.0	
Mean Coral Coverage = 9.2%						

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).