

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, 1997

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

Algae						
<i>Porolithon onkodes</i>	2.0	3.0				0.8
Sponges						
<i>Chondrosia chucalla</i>			0.1	0.3		1.0
Corals						
<i>Porites lobata</i>	64.0	49.0		0.1		27.0
<i>Porites compressa</i>	0.6	2.0				
<i>Pocillopora meandrina</i>			0.1	0.6		
Sand			10.4	2.0		
Rubble			16.0	14.0		30.0
Hard Substratum	33.4	46.0	73.4	83.0		40.8
Mean Coral Coverage = 28.7%						

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

Algae						
<i>Porolithon onkodes</i>	3.0			1.0		2.0
Sponges						
<i>Chondrosia chucalla</i>		0.6	0.6	0.1		
Corals						
<i>Porites lobata</i>	16.0	10.0	13.0	12.0		47.0
<i>Porites compressa</i>	4.0	5.0	0.8	2.0		1.0
<i>Pocillopora meandrina</i>		0.6	0.1			1.0
<i>Montipora patula</i>		1.0				
Sand			1.0	2.0		
Rubble		14.0	6.0	10.0		
Hard Substratum	77.0	68.8	78.5	72.9		49.0

Mean Coral Coverage = 22.7%					

TABLE 2—Continued

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

Algae						
<i>Asparagopsis taxiformis</i>				2.0	6.0	
Sponges						
<i>Spirastrella coccinea</i>	0.3			0.3	0.1	
<i>Chondrosia chucalla</i>	0.4				1.0	0.1
<i>Plakortis simplex</i>				0.3		
Corals						
<i>Porites lobata</i>	0.6			0.1	1.0	1.0
<i>Pocillopora meandrina</i>				0.8	0.1	
Sand	2.0	7.0	12.0	8.0	6.0	
Hard Substratum	96.7	93.0	84.5	83.8	92.9	
Mean Coral Coverage = 0.7%						

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

Algae						
<i>Asparagopsis taxiformis</i>				1.0		
Sponges						
<i>Spirastrella coccinea</i>			0.3		0.1	
<i>Chondrosia chucalla</i>	0.6		0.1		0.6	0.4
Unidentified orange sponge	0.1					
Corals						
<i>Porites lobata</i>	0.8	1.0	0.6	0.3	0.3	
<i>Pocillopora meandrina</i>	0.6	0.6		0.3		
Sand	7.0	0.8	0.8	0.8	0.8	0.8
Hard Substratum	90.0	97.2	97.6	97.9	98.5	
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>			3.0		1.0	
Sponges						
<i>Spirastrella coccinea</i>	0.4		0.3		0.8	
Corals						
<i>Porites lobata</i>			0.4		4.0	0.1
<i>Porites compressa</i>					0.6	
<i>Pocillopora meandrina</i>					2.0	
Sand	0.8			0.8		6.0
Rubble	57.8		48.0	99.2	31.0	41.8
Hard Substratum	41.0		48.3		50.6	52.0
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>	2.0		1.0		0.8	
Sponges						
<i>Spirastrella coccinea</i>	1.0		4.0		4.0	0.6
<i>Chondrosia chucalla</i>			0.4			0.1
Unidentified orange sponge	0.1					
Corals						
<i>Porites lobata</i>	16.0		2.0		23.0	0.6
<i>Pocillopora meandrina</i>	0.3		0.3		2.0	0.1
<i>Montipora patula</i>					0.3	
Sand				0.8		0.8
Rubble	18.0		35.0		11.0	53.8
Hard Substratum	62.6		57.3	99.2	58.9	44.0

Mean Coral Coverage = 8.9%					

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		2.0	2.0		13.0
Sponges						
<i>Spirastrella coccinea</i>	2.0	0.4				0.8
Corals						
<i>Porites lobata</i>	4.0	27.0	25.0	24.0		26.0
Rubble	39.0		10.0			
Hard Substratum	54.4	72.6	63.0	74.0		60.2
Mean Coral Coverage = 21.2%						

		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					0.1
<i>Chondrosia chucalla</i>		0.3		0.3		0.8
<i>Plakortis simplex</i>	0.3					
Unidentified orange sponge						0.1
Soft Corals						
<i>Anthelia edmondsoni</i>	0.3					
Corals						
<i>Porites lobata</i>	1.0		6.0	0.6		0.8
<i>Pocillopora meandrina</i>	14.6		0.8			0.6
Sand	0.8	0.8		0.8		0.8
Hard Substratum	82.9	98.9	93.2	98.3		96.8
Mean Coral Coverage = 4.9%						

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-m<sup>2</sup> 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).