

TABLE 9. Summary of Biological Parameters Measured at the Six Transect Locations in the Nine Annual Surveys

	1990							1991					
Parameter	Transect (T-)							Transect (T-)					
	1	2	3	4	5	6		1	2	3	4	5	6
% Coral Cover	18	30	4	3	2	10		18	29	4	3	2	7
No. of Coral Species	4	5	4	3	5	5		5	4	3	3	5	4
No. of Invertebrate Species	4	5	6	6	2	2		4	4	4	6	2	2
No. of Invertebrate Individuals	12	15	25	25	3	5		13	18	17	44	10	10
No. of Fish Species	38	37	24	16	29	31		31	26	22	12	28	29
No. of Fish Individuals	455	481	310	126	197	267		260	240	138	68	176	202
Fish Biomass (g/m ²)	763	824	91	30	129	293		148	221	72	20	101	183

	1992							1993					
Parameter	Transect (T-)							Transect (T-)					
	1	2	3	4	5	6		1	2	3	4	5	6
% Coral Cover	20	21	2	3	0.4	3		26	26	2	4	2	5
No. of Coral Species	6	6	4	4	4	6		6	7	5	4	5	6
No. of Invertebrate Species	6	5	6	5	3	3		8	7	6	6	2	4
No. of Invertebrate Individuals	15	12	21	14	7	6		22	20	12	12	6	6
No. of Fish Species	36	19	15	9	23	36		31	30	10	19	23	29
No. of Fish Individuals	312	153	33	27	136	247		343	150	43	63	152	247
Fish Biomass (g/m ²)	736	247	30	14	69	108		1,039	273	31	96	61	79

	1994							1995					
Parameter	Transect (T-)							Transect (T-)					
	1	2	3	4	5	6		1	2	3	4	5	6
% Coral Cover	26.2	31.4	1.6	3.9	1.9	8.3	23.1	37.8	1.7	3.6	3.5	5.3	
No. of Coral Species	6	6	5	4	6	6	6	7	3	4	5	6	

No. of Invertebrate Species	7	7	8	6	4	4	9	7	5	7	4	6
No. of Invertebrate Individuals	27	32	16	14	6	12	62	99	5	7	4	11
No. of Fish Species	27	22	13	9	26	27	37	37	17	19	32	34
No. of Fish Individuals	289	168	30	20	169	224	256	329	95	128	240	257
Fish Biomass (g/m ²)	726	723	27	23	63	86	301	457	27	25	77	93

TABLE 9—Continued

	1996							1997					
Parameter	Transect (T-)							Transect (T-)					
	1	2	3	4	5	6		1	2	3	4	5	6
% Coral Cover	27.3	33.8	2.6	4.6	3.7	6.6	27.6	40.0	2.5	5.8	3.6	6.9	
No. of Coral Species	5	8	5	4	7	6	5	5	6	4	6	5	
No. of Invertebrate Species	6	7	6	4	4	3	6	7	5	7	4	4	
No. of Invertebrate Individuals	22	43	7	28	12	5	49	85	38	45	6	6	
No. of Fish Species	33	27	25	11	19	30	37	28	24	13	27	28	
No. of Fish Individuals	554	266	160	20	166	234	356	213	136	40	156	182	
Fish Biomass (g/m ²)	444	868	157	15	72	83	602	720	35	9	71	71	

	1998												
Parameter	Transect (T-)												
	1	2	3	4	5	6							
% Coral Cover	26.3	49.0	2.5	9.3	5.1	9.4							
No. of Coral Species	5	6	5	4	8	5							
No. of Invertebrate Species	8	7	7	8	4	7							
No. of Invertebrate Individuals	112	195	55	53	5	13							
No. of Fish Species	34	27	23	20	22	29							
No. of Fish Individuals	324	140	120	88	150	171							
Fish Biomass (g/m ²)	151	132	74	42	70	89							

NOTE: Each transect samples 80 m² of substratum for fishes and invertebrates other than corals. Coral data (given in percent cover) are from 5 m² of substratum sampled on each transect. Data for the 1990 through 1997 surveys are from Brock (1992a, 1992b, 1993, 1994, 1995, 1996, 1997, 1998).