

APPENDIX TABLE B. RESULTS OF QUANTITATIVE VISUAL CENSUSES  
CONDUCTED AT SIX LOCATIONS OFFSHORE OF  
SAND ISLAND, O‘AHU, 27–29 DECEMBER 1990

FAMILY AND SPECIES	TRANSECT NUMBER					
	1	2	3	4	5	6
MURAENIDAE						
<i>Gymnothorax petelli</i>				1		
<i>G. flavimarginatus</i>	1	1			1	
<i>G. meleagris</i>				1		
<i>G. eurostus</i>	1					
HOLOCENTRIDAE						
<i>Myripristes amaenus</i>						20
AULOSTOMIDAE						
<i>Aulostomus chinensis</i>		1				
SERRANIDAE						
<i>Cephalopholis argus</i>						1
APOGONIDAE						
<i>Apogon kallopterus</i>		18				3
CARANGIDAE						
<i>Seriola dumerili</i>		3				
<i>Caranx orthogrammus</i>	1	3				
SPARIDAE						
<i>Monotaxis grandoculis</i>						18
MULLIDAE						
<i>Mulloides flavolineatus</i>	55	34			1	
<i>Parupeneus cyclostomus</i>					2	3
<i>P. pleurostigma</i>	6	7	3		1	1
<i>P. multifasciatus</i>	28	38	52	16	5	9
CHAETODONTIDAE						
<i>Forcipiger flavissimus</i>	1	4			1	1
<i>Chaetodon multicinctus</i>	6				2	
POMACANTHIDAE						
<i>Centropyge potteri</i>		5	1		1	9
POMACENTRIDAE						
<i>Dascyllus albisella</i>			10			5
<i>Plectroglyphidodon imparipennis</i>				2	2	
<i>Chromis vanderbilti</i>	67	28	111	57		
<i>C. ovalis</i>	5					
<i>C. hanui</i>	1	18	9			9
<i>Stegastes fasciolatus</i>					2	7
CIRRHITIDAE						
<i>Paracirrhitis arcatus</i>	1	1	1	2		
<i>Cirrhitops fasciatus</i>	1	1				

APPENDIX TABLE B.—Continued

FAMILY AND SPECIES	TRANSECT NUMBER					
	1	2	3	4	5	6
LABRIDAE						
<i>Labroides phthirophagus</i>						2
<i>Bodianus bilunulatus</i>	1		2		1	1
<i>Cheilinus rhodochrous</i>	3					
<i>C. bimaculatus</i>		21	6	10	1	
<i>Pseudocheilinus octotaenia</i>	17	11		1		1
<i>P. tetrataenia</i>	4	8				
<i>Thalassoma duperrey</i>	26	43	42	5	20	31
<i>T. ballieui</i>					1	2
<i>Comphosus varius</i>					4	1
<i>Coris venusta</i>			1			1
<i>C. gaimard</i>		1	1			1
<i>Pseudojuloides cerasinus</i>	19	14	14	14		
<i>Stethojulis balteata</i>	1				1	
<i>Macropharyngodon geoffroy</i>		1	1		1	2
<i>Anampses chrysocephalus</i>		3				
SCARIDAE						
<i>Calotomus carolinus</i>	3	1				
<i>Scarus perspicillatus</i>	3	1	3			
<i>S. sordidus</i>					15	6
<i>S. psittacus</i>	10		2			
<i>S. rubroviolaceus</i>	1	1				
BLENNIIDAE						
<i>Exallia brevis</i>					1	
<i>Cirripectus variolosus</i>					1	
ACANTHURIDAE						
<i>Acanthurus nigrofuscus</i>	49	50	37	9	40	36
<i>A. nigroris</i>	17	33	8		7	4
<i>A. olivaceus</i>	3	5	1			
<i>A. dussumieri</i>	3	1		1		2
<i>Ctenochaetus strigosus</i>	7	3			74	74
<i>Zebrasoma flavescens</i>	9	2				7
<i>Naso brevirostris</i>	4	44				
<i>N. hexacanthus</i>	36	69				
<i>N. lituratus</i>		1				
<i>N. unicornis</i>	2					
ZANCLIDAE						
<i>Zanclus cornutus</i>	1				1	
BALISTIDAE						
<i>Melichthys niger</i>					1	3
<i>M. vidua</i>	2					
<i>Sufflamen bursa</i>		4	1	2	4	3
MONACANTHIDAE						
<i>Pervagor spilosoma</i>		1				1

<i>Cantherhines dumerili</i>			1	1		
<i>C. sandwichensis</i>			1		1	

APPENDIX TABLE B.—*Continued*

FAMILY AND SPECIES	TRANSECT NUMBER					
	1	2	3	4	5	6
OSTRACIIDAE						
<i>Ostracion meleagris</i>					1	
CANTHIGASTERIDAE						
<i>Canthigaster jactator</i>	3	1	1	2	4	3
<i>C. cornata</i>			1	2		
TETRAODONTIDAE						
<i>Arothron hispidus</i>	1					
Total No. of Species	38	37	24	16	29	31
Total No. of Individuals	455	481	310	126	197	267
Biomass (g/m <sup>2</sup> )	763	824	91	30	129	293

NOTE: Each entry in the body of the table represents the total number of individuals of each species seen; totals are presented at the foot of the table along with an estimate of the standing crop (g/m<sup>2</sup>) of fishes present at each location. All censuses were carried out by the author.