

Results of the Quantitative Visual Fish Censuses Conducted at Six Locations Offshore of Sand Island,
O'ahu, Hawai'i, 20 and 21 November 1996

Family and Species		Transect					
		T-1	T-2	T-3	T-4	T-5	T-6
MURAENIDAE							
<i>Gymnothorax meleagris</i>	1						
SYNODONTIDAE							
<i>Saurida variegatus</i>						1	
AULOSTOMIDAE							
<i>Aulostomus chinensis</i>	2						
FISTULARIIDAE							
<i>Fistularia commersoni</i>	1						
CARANGIDAE							
<i>Decapterus macarellus</i>				35			
MULLIDAE							
<i>Mulloidichthys flavolineatus</i>	4						
<i>Mulloidichthys vanicolensis</i>	32						
<i>Parupeneus multifasciatus</i>	42	10	17		29	7	
<i>Parupeneus bifasciatus</i>			2		6	2	
CHAETODONTIDAE							
<i>Forcipiger flavissimus</i>		1	1				1
<i>Chaetodon multicinctus</i>	6	2	2		2	2	
<i>Chaetodon ornatissimus</i>							2
<i>Chaetodon quadrimaculatus</i>	1	2					
<i>Chaetodon fremblii</i>			1				
<i>Chaetodon miliaris</i>	17		2				
<i>Heniochus diphreutes</i>			1				
POMACANTHIDAE							
<i>Centropyge potteri</i>			2				1
POMACENTRIDAE							
<i>Dascyllus albisella</i>	7	2	8				
<i>Abudefduf abdominalis</i>	30						
<i>Plectroglyphidodon johnstonianus</i>	2	8			1	1	
<i>Chromis vanderbilti</i>	55	26	26				26
<i>Chromis hanui</i>		1			4	1	
<i>Chromis agilis</i>					4	9	
<i>Chromis ovalis</i>	102						
<i>Chromis verator</i>	9						
<i>Stegastes fasciolatus</i>					8	4	

CIRRHITIDAE						
<i>Paracirrhitis arcatus</i>	6	6	4	3		1
<i>Cirrhitops fasciatus</i>		1				1
LABRIDAE						
<i>Cheilinus bimaculatus</i>				1		
<i>Pseudocheilinus octotaenia</i>	2	3	1			
<i>Pseudocheilinus tetrataenia</i>			1			
<i>Thalassoma duperrey</i>	27	20	13		11	19
<i>Gomphosus varius</i>	4					1

Results—Continued

Family and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
<i>Coris gaimard</i>	1					
<i>Coris venusta</i>						1
<i>Pseudojuloides cerasinus</i>		6	3	3	1	1
<i>Stethojulis balteata</i>	9	1	4	1		1
<i>Macropharyngodon geoffroy</i>					1	2
<i>Halichoeres ornatissimus</i>						1
<i>Anampses cuvier</i>					1	
THUNNIDAE						
<i>Thunnus albacares</i>		47				
SCARIDAE						
<i>Calotomus carolinus</i>		1	1			
<i>Scarus psittacus</i>	38	66	13			37
<i>Scarus sordidus</i>	66	32				1
<i>Scarus perspicillatus</i>					1	
GOBIIDAE						
<i>Ptereleotris heteropterus</i>				2		
ACANTHURIDAE						
<i>Acanthurus nigrofuscus</i>	15	15	14	1	35	71
<i>Acanthurus nigroris</i>	8	1				
<i>Acanthurus dussumieri</i>	1	1				
<i>Ctenochaetus strigosus</i>	18				53	33
<i>Zebrasoma flavescens</i>	3					
<i>Naso lituratus</i>		1				1
<i>Naso hexacanthus</i>	36					
<i>Naso unicornis</i>	1	1	1			
<i>Zanclus cornutus</i>	3	6			1	
BALISTIDAE						
<i>Melichthys niger</i>					1	1
<i>Sufflamen bursa</i>	2	3	4	3		2
<i>Sufflamen fraenatus</i>			1	1		
<i>Rhinecanthus aculeatus</i>				2		
MONACANTHIDAE						
<i>Pervagor melanocephalus</i>					1	
<i>Cantherhines sandwichiensis</i>		2	2	1		1
TETRAODONTIDAE						
<i>Arothron hispidus</i>						1
<i>Canthigaster jactator</i>	3	1			5	2
<i>Canthigaster coronata</i>			1	2		

Total No. of Species	33	27	25	11	19	30
Total No. of Individuals	554	266	160	20	166	234
Estimated Standing Crop (g/m ²)	444	868	157	15	72	83

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 of fishes present at each location. All censuses were carried out by the author.