

Results of the Quantitative Visual Fish Censuses Conducted at Six Locations Offshore of Sand Island,  
O'ahu, Hawai'i, 28 August and 7 September 1995

FAMILY and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
MURAENIDAE						
<i>Gymnothorax flavimarginatus</i>	1					
<i>Gymnothorax steindachneri</i>		1				
<i>Gymnothorax meleagris</i>						1
<i>Uropterygius tigrinus</i>	1					
SYNODONTIDAE						
<i>Saurida variegatus</i>			1			1
SCORPAENIDAE						
<i>Taenianotus triacanthus</i>					1	
FISTULARIIDAE						
<i>Fistularia commersonii</i>				1		
SPARIDAE						
<i>Monotaxis grandoculis</i>	1					
CARANGIDAE						
<i>Caranx melampygus</i>		1	1	1		
LUTJANIDAE						
<i>Aprion virescens</i>	2					
MULLIDAE						
<i>Mulloidichthys flavolineatus</i>	56	53				
<i>Parupeneus multifasciatus</i>	16	17	7	22	9	11
<i>Parupeneus pleurostigma</i>		3	2		3	2
<i>Parupeneus cyclostomus</i>		1				
CHAETODONTIDAE						
<i>Forcipiger flavissimus</i>	1	4				2
<i>Chaetodon multicinctus</i>	5	9		2	2	4
<i>Chaetodon ornatissimus</i>	1	1				
<i>Chaetodon quadrimaculatus</i>	1					
<i>Chaetodon unimaculatus</i>		1				1
<i>Chaetodon miliaris</i>		5	21	1		
<i>Heniochus diphreutes</i>			13			
POMACANTHIDAE						
<i>Centropyge potteri</i>			1			1
POMACENTRIDAE						
<i>Dascyllus albisella</i>	1					4

<i>Plectroglyphidodon johnstonianus</i>	4	1				
<i>Chromis vanderbilti</i>	18	10	14	20		
<i>Chromis hanui</i>					1	5
<i>Chromis agilis</i>						9
<i>Chromis ovalis</i>	7	27				
<i>Chromis verator</i>	5					
<i>Stegastes fasciolatus</i>		1			6	4

Continued

Family and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
<b>CIRRHITIDAE</b>						
<i>Paracirrhites arcatus</i>	8	2	2	2		3
<i>Paracirrhites forsteri</i>		1				
<i>Cirrhitops fasciatus</i>		1			1	1
<i>Cirrhites pinnulatus</i>					1	
<b>LABRIDAE</b>						
<i>Labroides phthirophagus</i>						2
<i>Cheilinus bimaculatus</i>				6	1	
<i>Pseudocheilinus octotaenia</i>		1			2	
<i>Thalassoma duperrey</i>	16	17	8	10	21	31
<i>Gomphosus varius</i>					3	8
<i>Coris gaimard</i>	1				1	1
<i>Coris venusta</i>			1		2	4
<i>Pseudojuloides cerasinus</i>	21	22	2	29	1	
<i>Stethojulis balteata</i>	6				4	1
<i>Macropharyngodon geoffroy</i>		11			4	2
<i>Halichoeres ornatissimus</i>					3	1
<b>SCARIDAE</b>						
<i>Calotomus carolinus</i>	2	1			1	1
<i>Scarus psittacus</i>	24	22		2	13	17
<i>Scarus sordidus</i>		12			6	13
<i>Scarus perspicillatus</i>					1	16
<b>ACANTHURIDAE</b>						
<i>Acanthurus nigrofuscus</i>	4	9	15	18	34	45
<i>Acanthurus nigroris</i>	9	3				
<i>Acanthurus olivaceus</i>			2			
<i>Acanthurus dussumieri</i>				2		
<i>Acanthurus triostegus</i>					1	
<i>Ctenochaetus strigosus</i>	4	7			101	56
<i>Zebrasoma flavescens</i>	6	8			3	
<i>Naso lituratus</i>	2	10			2	1
<i>Naso hexacanthus</i>	15	57				
<i>Naso brevirostris</i>	5					
<i>Naso unicornis</i>	1			3	1	
<b>ZANCLIDAE</b>						
<i>Zanclus cornutus</i>	1	2			1	1
<b>BALISTIDAE</b>						
<i>Melichthys niger</i>						4
<i>Sufflamen bursa</i>	4	3	3	4	4	1
<i>Rhinecanthus aculeatus</i>				1		

MONACANTHIDAE						
<i>Pervagor spilosoma</i>	2	1				1
<i>Pervagor melanocephalus</i>		1			1	
<i>Cantherhines sandwichiensis</i>	1					
<i>Cantherhines dumerilii</i>			1	2		

Continued

Transect and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
OSTRACIONTIDAE						
<i>Lactoria fornasini</i>	1					
CANTHIGASTERIDAE						
<i>Canthigaster jactator</i>	2	2		1	5	2
<i>Canthigaster cinctus</i>	1		1	1		
TETRAODONTIDAE						
<i>Diodon holocanthus</i>		1				
Total No. of Species	37	37	17	19	32	34
Total No. of Individuals	256	329	95	128	240	257
Estimated Standing Crop (g/m <sup>2</sup> )	301	457	27	25	77	93

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.