

Results of the Quantitative Visual Fish Censuses Conducted at Six Locations Offshore of Sand Island,
O‘ahu, Hawai‘i, 14 and 18 August 1997

Family and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
MURAENIDAE						
<i>Gymnothorax meleagris</i>	1	1				
<i>Gymnothorax eurostus</i>			1			
<i>Gymnothorax undulatus</i>	1					
SYNODONTIDAE						
<i>Saurida variegatus</i>	1					
SCORPAENIDAE						
<i>Scorpaenopsis cacopsis</i>		1				
APOGONIDAE						
<i>Apogon kallopterus</i>						2
CARANGIDAE						
<i>Scomberoides laysan</i>			2			
<i>Caranx melampygus</i>		1			1	
MULLIDAE						
<i>Mulloidichthys flavolineatus</i>	55	75				
<i>Parupeneus multifasciatus</i>	4	12	41	7	5	3
<i>Parupeneus pleurostigma</i>	1		1		1	
CHAETODONTIDAE						
<i>Forcipiger flavissimus</i>	1	2	1			1
<i>Chaetodon multicinctus</i>	2		2		2	2
<i>Chaetodon ornatissimus</i>	2					
<i>Chaetodon unimaculatus</i>						3
<i>Chaetodon miliaris</i>	8	2	4			
<i>Heniochus diphreutes</i>			9			
POMACANTHIDAE						
<i>Centropyge potteri</i>	1		1			
<i>Dascyllus albisella</i>	52		15			
<i>Plectroglyphidodon johnstonianus</i>	1				2	
<i>Plectroglyphidodon imparipennis</i>		1				
<i>Chromis vanderbilti</i>	13		9	4	7	8
<i>Chromis hanui</i>					3	2
<i>Chromis agilis</i>						3
<i>Chromis ovalis</i>	54					
<i>Stegastes fasciolatus</i>					4	3
CIRRHITIDAE						
<i>Paracirrhites arcatus</i>	2	4	2	2	1	1

<i>Cirrhitops fasciatus</i>					1	
LABRIDAE						
<i>Labroides phthirophagus</i>			2			
<i>Bodianus bilunulatus</i>	1		2			
<i>Cheilinus bimaculatus</i>			3	2		
<i>Pseudocheilinus octotaenia</i>	1	1			1	3
<i>Thalassoma duperrey</i>	22	35	10		16	36
<i>Gomphosus varius</i>	3				3	4
<i>Coris gaimard</i>						2
<i>Coris venusta</i>			1		2	1

Results—Continued

FAMILY and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
<i>Pseudojuloides cerasinus</i>	4	5	1	7	1	1
<i>Stethojulis balteata</i>		1			2	4
<i>Macropharyngodon geoffroy</i>	1	1	1			6
<i>Halichoeres ornatissimus</i>						1
SCARIDAE						
<i>Calotomus carolinus</i>					1	
<i>Scarus psittacus</i>	35	20			13	15
<i>Scarus sordidus</i>						14
<i>Scarus perspicillatus</i>	14					
<i>Scarus rubroviolaceus</i>					1	
BLENNIIDAE						
<i>Exallia brevis</i>	1					
<i>Cirripectus variolosus</i>					1	
GOBIIDAE						
<i>Psilogobius mainlandi</i>			1			
ACANTHURIDAE						
<i>Acanthurus nigrofuscus</i>		19	16	8	30	32
<i>Acanthurus nigroris</i>	21	9	7	2		3
<i>Acanthurus dussumieri</i>	1			1	3	
<i>Acanthurus olivaceus</i>	3	1				
<i>Ctenochaetus strigosus</i>	4	4			44	25
<i>Zebrasoma flavescens</i>	16	7				
<i>Naso lituratus</i>	10				2	2
<i>Naso hexacanthus</i>	6	2				
<i>Naso brevirostris</i>		1				
<i>Zanclus cornutus</i>		1				
BALISTIDAE						
<i>Melichthys niger</i>	1				1	2
<i>Melichthys vidua</i>		1				

<i>Sufflamen bursa</i>	4	3	1	2	4	
<i>Rhinecanthus aculeatus</i>				1		
MONACANTHIDAE						
<i>Pervagor melanocephalus</i>		1				
<i>Pervagor spilosoma</i>	3					
<i>Cantherhines sandwichiensis</i>				1		
TETRAODONTIDAE						
<i>Arothron hispidus</i>		1				
<i>Canthigaster jactator</i>	1	1	3	1	4	2
<i>Canthigaster cinctus</i>	5			2		
<i>Canthigaster rivulata</i>						1

Total No. of Species	37	28	24	13	27	28
Total No. of Individuals	356	213	136	40	156	182
Estimated Standing Crop (g/m ²)	602	720	35	9	71	71

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.