

Results of the Quantitative Visual Fish Censuses Conducted at Six Locations Offshore of Sand Island, O'ahu, Hawai'i, 20 September and 13–14 October 1994

FAMILY and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
MURAENIDAE						
<i>Gymnothorax meleagris</i>		2				
HOLOCENTRIDAE						
<i>Myripristis amaenus</i>					1	
CARANGIDAE						
<i>Scomberoides laysan</i>	2					
LUTJANIDAE						
<i>Aprion virescens</i>	4	1				
MULLIDAE						
<i>Mulloidichthys flavolineatus</i>	52	80				
<i>Mulloidichthys vanicolensis</i>					1	
<i>Parupeneus multifasciatus</i>	5	2			3	1
<i>Parupeneus porphyreus</i>	2					
<i>Parupeneus pleurostigma</i>	3					
CHAETODONTIDAE						
<i>Forcipiger flavissimus</i>	2	2			1	2
<i>Chaetodon multicinctus</i>	4		2			2
POMACANTHIDAE						
<i>Centropyge potteri</i>			1		1	
POMACENTRIDAE						
<i>Dascyllus albisella</i>						6
<i>Plectroglyphidodon johnstonianus</i>	3					
<i>Chromis vanderbilti</i>		13	2		4	9
<i>Chromis hanui</i>					14	8
<i>Chromis agilis</i>						3
<i>Stegastes fasciolatus</i>					8	2
CIRRHITIDAE						
<i>Paracirrhitis arcatus</i>	7	3	3		2	1
<i>Cirrhitops fasciatus</i>					1	1
<i>Cirrhitis pinnulatus</i>					1	1
LABRIDAE						
<i>Labroides phthirophagus</i>						2
<i>Bodianus bilunulatus</i>	2					
<i>Chelio inermis</i>	1					
<i>Cheilinus bimaculatus</i>		3	1			

<i>Pseudocheilinus octotaenia</i>					3	
<i>Thalassoma duperrey</i>	8		5	2	11	17
<i>Thalassoma ballieui</i>						1
<i>Gomphosus varius</i>					5	7
<i>Coris gaimard</i>	2	2				1
<i>Coris venusta</i>					2	1
<i>Pseudojuloides cerasinus</i>	2		4	3		
<i>Stethojulis balteata</i>					2	11
<i>Macropharyngodon geoffroy</i>					2	
<i>Anampses chrysocephalus</i>						1
<i>Halichoeres ornatissimus</i>	2				1	1

Continued

FAMILY and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6

SCARIDAE						
<i>Calotomus carolinus</i>	1					
<i>Scarus psittacus</i>	12	4				
<i>Scarus sordidus</i>					12	37
<i>Scarus perspicillatus</i>	5					
<i>Scarus rubroviolaceus</i>		1				
GOBIIDAE						
<i>Gnathepis anjerensis</i>			2	2		
ACANTHURIDAE						
<i>Acanthurus nigrofuscus</i>	15	13	1		30	47
<i>Acanthurus nigroris</i>		4				
<i>Acanthurus olivaceus</i>	27	15		3		
<i>Acanthurus dussumieri</i>		1		1		
<i>Acanthurus triostegus</i>	12					
<i>Ctenochaetus strigosus</i>					46	54
<i>Naso lituratus</i>					5	
<i>Naso hexacanthus</i>	108					
<i>Naso brevirostris</i>	1					
<i>Naso unicornis</i>		10			4	
ZANCLIDAE						
<i>Zanclus cornutus</i>		2				
BOTHIDAE						
<i>Bothus pantherinus</i>			1			
BALISTIDAE						
<i>Melichthys niger</i>					2	3
<i>Melichthys vidua</i>		1				
<i>Sufflamen bursa</i>	3	3	6	4		1
<i>Rhinecanthus aculeatus</i>				1		

MONACANTHIDAE						
<i>Pervagor spilosoma</i>					1	
<i>Pervagor melanocephalus</i>						1
<i>Cantherhines dumerilii</i>				1		
CANTHIGASTERIDAE						
<i>Canthigaster jactator</i>	2	4	1	3	6	3
<i>Canthigaster coronata</i>	2					
TETRAODONTIDAE						
<i>Diodon holocanthus</i>		1	1			

Total No. of Species	27	22	13	9	26	27
Total No. of Individuals	289	168	30	20	169	224
Estimated Standing Crop (g/m <sup>2</sup> )	726	723	27	23	63	86

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.