

Results of the Quantitative Visual Fish Censuses Conducted at Six Locations Offshore of Sand Island, O‘ahu, Hawai‘i, 12 and 28 August 1998

Family and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
MURAENIDAE						
<i>Gymnomuraena zebra</i>				1		
SERRANIDAE						
<i>Cephalopholis argus</i>						1
LUTJANIDAE						
<i>Alphareus furcatus</i>	1					
<i>Aprion virescens</i>	1					
LETHRINIDAE						
<i>Monotaxis grandoculis</i>	8					
MULLIDAE						
<i>Mulloidichthys flavolineatus</i>		14				
<i>Parupeneus multifasciatus</i>	8	4	3	4	8	10
<i>Parupeneus pleurostigma</i>		2	1		1	1
CHAETODONTIDAE						
<i>Forcipiger flavissimus</i>	2					
<i>Chaetodon multicinctus</i>	2	7	2	2	2	2
<i>Chaetodon quadrimaculatus</i>		3				
<i>Chaetodon miliaris</i>	19	4				
POMACANTHIDAE						
<i>Centropyge potteri</i>			1			
POMACENTRIDAE						
<i>Dascyllus albisella</i>	35	13	11			
<i>Plectroglyphidodon johnstonianus</i>	1				1	1
<i>Abudefduf abdominalis</i>	31					
<i>Chromis vanderbilii</i>	9		53	27		
<i>Chromis hanui</i>				2		
<i>Chromis agilis</i>						2
<i>Chromis ovalis</i>		6				
<i>Chromis verator</i>	12					
<i>Stegastes fasciolatus</i>						4
CIRRHITIDAE						
<i>Paracirrhites arcatus</i>	5	4	4	3		
<i>Cirrhitops fasciatus</i>		1				
<i>Cirrhitus pinnulatus</i>					1	
LABRIDAE						

<i>Bodianus bilunulatus</i>	1		2	1		
<i>Cheilinus bimaculatus</i>			1			
<i>Pseudocheilinus octotaenia</i>	2					1
<i>Pseudocheilinus tetrataenia</i>		1				
<i>Thalassoma duperrey</i>	36	12	6	3	12	45
<i>Gomphosus varius</i>	4	1			1	2
<i>Coris gaimard</i>	1				1	1
<i>Coris venusta</i>			2			2
<i>Pseudojuloides cerasinus</i>	7	16	5	16		1
<i>Stethojulis balteata</i>	2	1		1	1	5
<i>Macropharyngodon geoffroy</i>	1					4
<i>Anampses chrysocephalus</i>			1	2		
<i>Halichoeres ornatissimus</i>						1

## Results—Continued

Family and Species	Transect					
	T-1	T-2	T-3	T-4	T-5	T-6
SCARIDAE						
<i>Calotomus carolinus</i>	1	3				2
<i>Scarus psittacus</i>	34	23			8	7
<i>Scarus sordidus</i>	1				6	10
BLENNIIDAE						
<i>Plagiotremus ewaensis</i>				1		
ACANTHURIDAE						
<i>Acanthurus triostegus</i>					2	
<i>Acanthurus nigrofuscus</i>	25	12	9	12	33	41
<i>Acanthurus nigroris</i>	34					4
<i>Acanthurus dussumieri</i>					1	
<i>Acanthurus olivaceus</i>			4	3		
<i>Ctenochaetus strigosus</i>					54	10
<i>Zebrasoma flavescens</i>		1				
<i>Naso lituratus</i>		1			2	2
<i>Naso hexacanthus</i>	27					
<i>Naso unicornis</i>	2	1	2		2	
<i>Naso brevirostris</i>	3		5	1		1
<i>Zanclus cornutus</i>	3	3	1			
BALISTIDAE						
<i>Melichthys niger</i>					2	4
<i>Melichthys vidua</i>		1				
<i>Sufflamen bursa</i>	3	1	2	4	6	1
<i>Sufflamen fraenatus</i>			1	1		
<i>Rhinecanthus aculeatus</i>				1		
MONACANTHIDAE						
<i>Pervagor melanocephalus</i>						1
<i>Pervagor spilosoma</i>	1				1	
<i>Cantherhines sandwichiensis</i>	1	1			1	1
<i>Cantherhines dumerilii</i>			1			
OSTRACIIDAE						
<i>Ostracion whitleyi</i>		1				
TETRAODONTIDAE						
<i>Canthigaster jactator</i>	1	3	2	1	4	4
<i>Canthigaster cinctus</i>			1			
<i>Canthigaster coronata</i>				2		
Total No. of Species	34	27	23	20	22	29

Total No. of Individuals	324	140	120	88	150	171
Estimated Standing Crop (g/m <sup>2</sup> )	151	132	74	42	70	89

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.