

Results of Quantitative Visual Fish Censuses Conducted at Six Locations Offshore of Sand Island, O'ahu,
Hawai'i, 7–8 September 1993

FAMILY and Species	Transect					
	1	2	3	4	5	6
MURAENIDAE						
<i>Gymnothorax meleagris</i>						1
<i>G. petelli</i>		1				
AULOSTOMIDAE						
<i>Aulostomus chinensis</i>	1					
SCORPAENIDAE						
<i>Scorpaenopsis diabolus</i>	1					
CARANGIDAE						
<i>Decapterus macarellus</i>				19		
MULLIDAE						
<i>Mulloides flavolineatus</i>	117	28				
<i>Parupeneus multifasciatus</i>	12	10	4	5	6	14
<i>P. cyclostomus</i>		1				1
<i>P. bifasciatus</i>	4	1			2	
CHAETODONTIDAE						
<i>Forcipiger flavissimus</i>	3	2			1	1
<i>Chaetodon multicinctus</i>	2	4				
<i>C. miliaris</i>	1					
<i>C. unimaculatus</i>	2					
<i>C. quadrimaculatus</i>	1					
POMACANTHIDAE						
<i>Centropyge potteri</i>		1				1
POMACENTRIDAE						
<i>Dascyllus albisella</i>						9
<i>Abudefduf abdominalis</i>	27					
<i>Chromis vanderbilti</i>	50	1		6	10	31
<i>C. hanui</i>		1			7	8
<i>C. ovalis</i>	10					
<i>C. agilis</i>						11
<i>Stegastes fasciolatus</i>					3	7
CIRRHITIDAE						
<i>Paracirrhitis arcatus</i>	6	6		1		
<i>P. forsteri</i>					1	
<i>Cirrhitops fasciatus</i>		1			1	
<i>Cirrhitis pinnulatus</i>					1	

LABRIDAE						
<i>Labroides phthiophagus</i>						1
<i>Bodianus bilunulatus</i>			1	1		
<i>Cheilinus bimaculatus</i>	1		1	2		
<i>Pseudocheilinus octotaenia</i>		1			1	1
<i>Thalassoma duperrey</i>	10	10	7		29	27
<i>T. ballieui</i>		1			2	6
<i>Gomphosus varius</i>					1	

Continued

FAMILY and Species		Transect					
		1	2	3	4	5	6

<i>Coris gaimard</i>				1	1	
<i>C. venusta</i>				2	1	
<i>Pseudojuloides cerasinus</i>	20	18	7	5	1	4
<i>Stethojulis balteata</i>	5	1				1
<i>Macropharyngodon geoffroy</i>		1			2	7
<i>Anampses chrysocephalus</i>		1				
<i>Halichoeres ornatissimus</i>					1	
SCARIDAE						
<i>Scarus psittacus</i>	3	1				
<i>S. sordidus</i>						12
<i>S. perspicillatus</i>	2		9	6		22
BLENNIIDAE						
<i>Cirripectus variolosus</i>						1
<i>Gnatholepis anjerensis</i>				1		
ACANTHURIDAE						
<i>Acanthurus nigrofuscus</i>	37	26	4	2	24	20
<i>A. nigroris</i>	5	10	6			12
<i>A. olivaceus</i>	2	1		2		1
<i>A. dussumieri</i>	1					
<i>A. mata</i>		7				
<i>Ctenochaetus strigosus</i>	5				46	33
<i>Zebrasoma flavescens</i>		1				
<i>Naso lituratus</i>	2					2
<i>N. hexacanthus</i>	8	3				
ZANCLIDAE						
<i>Zanclus cornutus</i>						2
BALISTIDAE						
<i>Melichthys niger</i>					2	3
<i>Sufflamen bursa</i>	1	3	3	3	1	1
<i>Rhinecanthus rectangulus</i>				2		
MONACANTHIDAE						

<i>Pervagor spilosoma</i>		1				
<i>Cantherhines dumerili</i>				1		
OSTRACIONTIDAE						
<i>Lactoria fornasini</i>		1				
CANTHIGASTERIDAE						
<i>Canthigaster jactator</i>	1	6	1		8	5
<i>C. cornata</i>	2			2		
TETRAODONTIDAE						
<i>Arothron hispidus</i>	1			1		
<i>Diodon holocanthus</i>				1		

Continued

		Transect					
Transect and Species		1	2	3	4	5	6

Total No. of Species	31	30	10	19	23	29	
Total No. of Individuals	343	150	43	63	152	247	
Estimated Standing Crop (g/m ²)	1,039	273	31	96	61	79	

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 (g/m²) of fishes present at each location. All censuses were carried out by the author.