

Results of Quantitative Visual Fish Censuses Conducted on Two Transects Each at Four Stations Offshore of 'Ewa Beach, O'ahu, Hawai'i, 19–20 June 1995

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
MURAENIDAE								
<i>Gymnothorax eurostus</i>		1						
<i>Gymnothorax petelli</i>				1				
<i>Gymnothorax meleagris</i>					1			
<i>Gymnothorax flavimarginatus</i>							2	
AULOSTOMIDAE								
<i>Aulostomus chinensis</i>		1					4	
HOLOCENTRIDAE								
<i>Myripristis amaenus</i>	23	30					74	
<i>Adioryx xantherythrus</i>	14	7						
SCORPAENIDAE								
<i>Scorpaenopsis cacopsis</i>							2	
FISTULARIIDAE								
<i>Fistularia commersoni</i>	1						2	
APOGONIDAE								
<i>Apogon kallopterus</i>	4				1		5	
LUTJANIDAE								
<i>Aprion virescens</i>							1	
<i>Alphareus furcatus</i>							1	
CARANGIDAE								
<i>Scomberoides laysan</i>					4			
SPARIDAE								
<i>Monotaxis grandoculis</i>	5	4						
MULLIDAE								
<i>Parupeneus pleurostigma</i>	4	4	1		7			
<i>Parupeneus multifasciatus</i>	7	16		1	13	17	26	
<i>Parupeneus cyclostomus</i>							1	
<i>Parupeneus bifasciatus</i>							15	
CHAETODONTIDAE								
<i>Forcipiger flavissimus</i>		4					4	
<i>Chaetodon multicinctus</i>	4	7			3			
<i>Chaetodon fremblii</i>				1			2	
<i>Chaetodon kleinii</i>					2		6	
<i>Chaetodon auriga</i>					2			

<i>Chaetodon miliaris</i>	1		1	2	2		9	
<i>Chaetodon ornatissimus</i>	1	2						
<i>Chaetodon lunula</i>							2	
POMACANTHIDAE								
<i>Centropyge potteri</i>	3	6				1		
POMACENTRIDAE								
<i>Dascyllus albisella</i>	58	46		13	28	8	325	
<i>Plectroglyphidodon johnstonianus</i>	2	4			1	1	1	
<i>Abudefduf abdominalis</i>							65	
<i>Chromis vanderbilti</i>					22	13		7

Results—Continued

FAMILY and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
<i>Chromis hanui</i>	13	24				1		
<i>Chromis ovalis</i>	47	98			8	6	65	
<i>Chromis agilis</i>							4	
<i>Stegastes fasciolatus</i>	7						7	
CIRRHITIDAE								
<i>Paracirrhitis arcatus</i>		2		1		1		2
<i>Paracirrhitis forsteri</i>	1	1					1	
<i>Cirrhitoys fasciatus</i>	1				3	2	3	
LABRIDAE								
<i>Labroides phthiophagus</i>						1	1	
<i>Bodianus bilunulatus</i>					2	2	2	
<i>Cheilinus bimaculatus</i>			11	9		1		6
<i>Pseudocheilinus octotaenia</i>	3				1		4	
<i>Thalassoma duperrey</i>	7	21	1	26	8	23	4	12
<i>Coris gaimard</i>	1	1			2	1	2	
<i>Coris venusta</i>					1	2		17
<i>Coris flavovittata</i>							1	
<i>Pseudojuloides cerasinus</i>	6	6	1	5	5	23		20
<i>Stethojulis balteata</i>		2			10	1	4	
<i>Macropharyngodon geoffroy</i>	3	2					14	
<i>Anampses chrysocephalus</i>								
<i>Anampses cuvier</i>	1							
<i>Gomphosus varius</i>		1					1	
<i>Halichoeres ornatissimus</i>	1			3	1		2	
<i>Hemipteronotus leclusei</i>			1					
SCARIDAE								
<i>Calotomus carolinus</i>		1				1		
<i>Scarus sordidus</i>	4	2			6	3	14	
<i>Scarus psittacus</i>	18	9				5	18	
BLENNIIDAE								
<i>Exallia brevis</i>							1	
<i>Plagiotremus ewaensis</i>					1			
PARAPERCIDAE								
<i>Parapercis schauinslandi</i>			3					
ACANTHURIDAE								
<i>Acanthurus nigrofusus</i>	18	11		1	11	13	29	
<i>Acanthurus nigroris</i>	4	2			4	3		
<i>Acanthurus olivaceus</i>	2			1	14	16	12	
<i>Acanthurus triostegus</i>							34	

<i>Acanthurus dussumieri</i>							3	
<i>Acanthurus leucoparicus</i>					2			
<i>Ctenochaetus strigosus</i>	71	77			10	2	125	
<i>Zebrasoma flavescens</i>	3	5					1	
<i>Naso hexacanthus</i>	8	1					21	27
<i>Naso lituratus</i>	2	1			2		16	
ZANCLIDAE		1				2		
<i>Zanclus cornutus</i>								

Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
BALISTIDAE								
<i>Melichthys niger</i>	2	3			1	2		
<i>Melichthys vidua</i>		1		1	2		2	
<i>Sufflamen bursa</i>	2	4			3	2	3	2
<i>Sufflamen fraenatus</i>		1						
MONACANTHIDAE								
<i>Pervagor melanocephalus</i>		1				1		
<i>Cantherhines dumerili</i>			2				2	1
<i>Cantherhines sandwichiensis</i>	1			1				
OSTRACIANTIDAE								
<i>Ostracion cubicus</i>					1			
CANTHIGASTERIDAE								
<i>Canthigaster jactator</i>	2			2	5	2		
<i>Canthigaster coronata</i>			1					
<i>Canthigaster cinctus</i>								2
Total No. of Species	38	38	9	15	35	29	48	10
Total No. of Individuals	355	410	22	68	189	156	943	96
Estimated Standing Crop (g/m ²)	108	109	11	26	157	128	440	16

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.