

Results of Quantitative Visual Fish Censuses Conducted on Two Transects Each at Four Stations Offshore of 'Ewa Beach, O'ahu, Hawai'i, 25 and 27 April 1994

FAMILY and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
MURAENIDAE								
<i>Gymnothorax flavimarginatus</i>						1		
<i>Gymnothorax undulatus</i>							1	
<i>Gymnothorax meleagris</i>								1
SYNODONTIDAE								
<i>Saurida gracilis</i>		1						
AULOSTOMIDAE								
<i>Aulostomus chinensis</i>				1			1	
HOLOCENTRIDAE								
<i>Myripristis amaenus</i>	28	12					63	
<i>Adioryx xantherythrus</i>	5	2						
<i>Adioryx diadema</i>	6	8						
SCORPAENIDAE								
<i>Dendrochirus barberi</i>				1				
PRIACANTHIDAE								
<i>Priacanthus cruentatus</i>	1							
FISTULARIIDAE								
<i>Fistularia commersoni</i>	1	2						
APOGONIDAE								
<i>Apogon kallopterus</i>	3	9					2	
SERRANIDAE								
<i>Cephalopholis argus</i>					1			
LUTJANIDAE								
<i>Lutjanus kasmira</i>							619	
<i>Aprion virescens</i>							1	
SPARIDAE								
<i>Monotaxis grandoculis</i>	6	14						
MULLIDAE								
<i>Mulloidichthys vanicolensis</i>							8	
<i>Mulloidichthys flavolineatus</i>		16						
<i>Parupeneus pleurostigma</i>	1	1			1	1	1	
<i>Parupeneus multifasciatus</i>	16	6			62	18	14	
<i>Parupeneus cyclostomus</i>						5		

CHAETODONTIDAE								
<i>Forcipiger flavissimus</i>		3					9	
<i>Chaetodon multicinctus</i>	4	5			2		4	
<i>Chaetodon fremblii</i>							1	
<i>Chaetodon kleinii</i>					1	1	23	
<i>Chaetodon auriga</i>					2			
<i>Chaetodon quadrimaculatus</i>							2	
<i>Chaetodon miliaris</i>		9					51	
POMACANTHIDAE								
<i>Centropyge potteri</i>	4	13					1	

Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
POMACENTRIDAE								
<i>Dascyllus albisella</i>	14	23		19	16		285	
<i>Plectroglyphidodon johnstonianus</i>	1	4					1	
<i>Abudefduf abdominalis</i>		1					14	
<i>Chromis vanderbilti</i>				3	1	3		2
<i>Chromis hanui</i>	21	24						
<i>Chromis verator</i>	9							
<i>Chromis ovalis</i>	44	55					1	
<i>Chromis agilis</i>	9							
<i>Stegastes fasciolatus</i>	1	3					21	
CIRRHITIDAE								
<i>Paracirrhitis arcatus</i>							1	4
<i>Paracirrhitis forsteri</i>		3					1	
<i>Cirrhitoys fasciatus</i>						1	2	
<i>Cirrhitis pinnulatus</i>	1							
LABRIDAE								
<i>Bodianus bilunulatus</i>	1				1		1	
<i>Cheilinus bimaculatus</i>			1	1				
<i>Pseudocheilinus octotaenia</i>		4			1			
<i>Thalassoma duperrey</i>	9	4		3	16	4	39	
<i>Thalassoma ballieui</i>	1						2	
<i>Coris gaimard</i>					2			
<i>Coris venusta</i>			1					
<i>Coris flavovittata</i>							1	
<i>Pseudojuloides cerasinus</i>		3	1		8	18		1
<i>Stethojulis balteata</i>		1			2			
<i>Macropharyngodon geoffroy</i>								1
<i>Anampses chrysocephalus</i>	7	1					3	
<i>Gomphosus varius</i>							3	
SCARIDAE								
<i>Calotomus carolinus</i>					3		1	
<i>Scarus perspicillatus</i>	2			2				
<i>Scarus sordidus</i>	11	1			13		16	
<i>Scarus rubroviolaceus</i>						2		
BLENNIIDAE								
<i>Exallia brevis</i>							1	
<i>Plagiotremus ewaensis</i>				1	1			
ACANTHURIDAE								
<i>Acanthurus nigrofuscus</i>	36	25			12	4	91	
<i>Acanthurus nigroris</i>	10	4			3	9	23	

<i>Acanthurus olivaceus</i>	4	1		3	21	36	29	1
<i>Acanthurus triostegus</i>				1	1		45	
<i>Acanthurus dussumieri</i>							1	
<i>Acanthurus mata</i>							2	
<i>Acanthurus thompsoni</i>	14							
<i>Ctenochaetus strigosus</i>	99	82			13		107	
<i>Zebrasoma flavescens</i>	8	13						

Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
<i>Naso hexacanthus</i>		1					42	
<i>Naso unicornis</i>							13	
<i>Naso brevirostris</i>	1						1	
<i>Naso lituratus</i>						2		
ZANCLIDAE								
<i>Zanclus cornutus</i>	1	2					2	
BALISTIDAE								
<i>Melichthys niger</i>		3				1		
<i>Melichthys vidua</i>		1				1	2	
<i>Sufflamen bursa</i>	2	3			1	1	5	2
<i>Sufflamen fraenatus</i>	1		1	1			1	1
<i>Xanthichthys auromarginatus</i>							1	
MONACANTHIDAE								
<i>Pervagor melanocephalus</i>		1						
<i>Pervagor spilosoma</i>	1	1						
<i>Cantherhines dumerili</i>						1		
<i>Alutera scripta</i>	1	1					2	
OSTRACIONTIDAE								
<i>Ostracion meleagris</i>					1			
CANTHIGASTERIDAE								
<i>Canthigaster jactator</i>	1	4	3		4		1	1
<i>Canthigaster coronata</i>	1				2			1
DIODONTIDAE								
<i>Diodon holocanthus</i>		1					1	
Total No. of Species	39	42	5	11	26	18	51	10
Total No. of Individuals	386	371	7	36	191	109	1,563	15
Estimated Standing Crop (g/m ²)	222	202	2	25	255	445	1,305	12

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.