

Results of Quantitative Visual Fish Censuses Conducted on Two Transects Each at Four Stations Offshore of 'Ewa Beach, O'ahu, Hawai'i, 25–26 May and 10 September 1993

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>							2	
HOLOCENTRIDAE								
<i>Myripristes amaenus</i>	20							
<i>Adioryx xantherythrus</i>							14	
<i>A. diadema</i>	13							
AULOSTOMIDAE								
<i>Aulostomus chinensis</i>	1							
FISTULARIIDAE								
<i>Fistularia commersoni</i>	1	1				1		
APOGONIDAE								
<i>Apogon kallopterus</i>							45	
SERRANIDAE								
<i>Cephalopholis argus</i>	1	1						
CARANGIDAE								
<i>Decapterus macarellus</i>		120				75	1	
<i>Caranx melampygus</i>							1	
LUTJANIDAE								
<i>Lutjanus kasmira</i>		21						
<i>Alphareus furcatus</i>	1							
<i>Aprion virescens</i>	1				1	1		
SPARIDAE								
<i>Monotaxis grandoculis</i>	16	7						
MULLIDAE								
<i>Parupeneus pleurostigma</i>				1	1		36	
<i>P. multifasciatus</i>	2	1			7	8	30	
<i>P. bifasciatus</i>								2
CHAETODONTIDAE								
<i>Forcipiger flavissimus</i>	2				1		2	
<i>Chaetodon multicinctus</i>	2	8					4	
<i>C. fremblii</i>	1							
<i>C. kleinii</i>	1	2			1		4	
<i>C. auriga</i>					1			
<i>C. lunula</i>	2	1			2			
<i>C. quadrimaculatus</i>				2			2	

C. miliaris				1	1	1	16	
POMACANTHIDAE								
Centropyge potteri	2	4					2	
POMACENTRIDAE								
Dascyllus albisella	20	26		2	7		39	
Plectroglyphidodon johnstonianus	2	4					6	
Abudefduf abdominalis							10	
Chromis vanderbilti					14	34	27	
C. hanui	12	8					13	
C. verator		4						

Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
<i>C. ovalis</i>	80	85					5	
<i>C. agilis</i>							14	
<i>Stegastes fasciolatus</i>	1	3			2		3	
CIRRHITIDAE								
<i>Paracirrhitis arcatus</i>		2			1		2	
<i>Cirrhitopectus fasciatus</i>					1		3	
LABRIDAE								
<i>Labroides phthiophagus</i>		1						
<i>Bodianus bilunulatus</i>		1					1	
<i>Cheilinus bimaculatus</i>			1	1				
<i>C. rhodochrous</i>	1							
<i>Pseudocheilinus octotaenia</i>		4			1		3	
<i>Thalassoma duperrey</i>	6	3		7	1	4	37	
<i>T. ballieui</i>	1	3					3	
<i>Coris gaimard</i>	1						1	
<i>C. venusta</i>				1		1	12	
<i>Pseudojuloides cerasinus</i>	5	13		1	2	6		
<i>Stethojulis balteata</i>		2		1	1		1	
<i>Macropharyngodon geoffroy</i>		1					11	
<i>Anampses chrysocephalus</i>							7	
<i>Novaculichthys taeniourus</i>		1						
<i>Gomphosus varius</i>		2						
SCARIDAE								
<i>Calotomus carolinus</i>							2	
<i>Scarus perspicillatus</i>	2	8					42	
<i>S. sordidus</i>	7	1					37	
<i>S. psittacus</i>	2	3						
BOTHIDAE								
<i>Bothus pantherinus</i>			1					
GOBIIDAE								
<i>Gnathepis anjerensis</i>								1
BLENNIIDAE								
<i>Exallia brevis</i>		1						
ACANTHURIDAE								
<i>Acanthurus nigrofasciatus</i>	25	31			16	7	39	
<i>A. nigroris</i>					4		19	
<i>A. olivaceus</i>	1	1			3	13	11	
<i>A. triostegus</i>	2	1					3	

A. achilles		1						
A. mata					1		3	
Ctenochaetus strigosus	28	58			5			
Zebrasoma flavescens	9	4						
Naso lituratus							4	
N. hexacanthus	90	41					4	
N. brevirostris	5							
ZANCLIDAE								
Zanclus cornutus	1				1	2		

Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
BALISTIDAE								
Melichthys niger	4	3			3	3		
M. vidua	1	1	1	1	1	1	2	
Sufflamen bursa	1	2			1	2	3	
S. fraenatus							1	
MONACANTHIDAE								
Pervagor melanocephalus	1							
Cantherhines dumerilii	1	1	1	1	1		1	
OSTRACIONTIDAE								
Ostracion meleagris							5	
CANTHIGASTERIDAE								
Canthigaster jactator		1	1	2	1	1	3	
C. coronata		1	1			1		
DIODONTIDAE								
Diodon holocanthus							1	
Total No. of Species	41	44	6	12	28	17	49	2
Total No. of Individuals	375	488	6	21	82	161	537	3
Estimated Standing Crop (g/m ²)	249	490	9	11	70	311	374	0.8

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.