

Results of Quantitative Visual Fish Censuses Conducted on Two Transects Each at Four Stations Offshore of 'Ewa Beach, O'ahu, Hawai'i, 14-15 May 1996

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 flavimarginatus</i>				1				
SYNODONTIDAE								
<i>Saurida variegatus</i>	1	1						
AULOSTOMIDAE								
<i>Aulostomus chinensis</i>	1					1	2	
HOLOCENTRIDAE								
<i>Myripristis amaenus</i>	16	33		7				
<i>Adioryx xantherythrus</i>	9						3	
SCORPAENIDAE								
<i>Scorpaenopsis cacopsis</i>							1	
FISTULARIIDAE								
<i>Fistularia commersoni</i>		8						
APOGONIDAE								
<i>Apogon kallopterus</i>	13						9	
PRIACANTHIDAE								
<i>Priacanthus cruentatus</i>							1	
LUTJANIDAE								
<i>Lutjanus kasmira</i>		31					50	
<i>Alphareus furcatus</i>		2						
<i>Aprion virescens</i>		1			1	1		
CARANGIDAE								
<i>Decapterus macarellus</i>		3						
SPARIDAE								
<i>Monotaxis grandoculis</i>	6	2						
MULLIDAE								
<i>Parupeneus pleurostigma</i>	1	1	1		4		8	
<i>Parupeneus multifasciatus</i>	7	5		1	41	12	132	
<i>Parupeneus cyclostomus</i>		1						
<i>Parupeneus bifasciatus</i>							1	
<i>Mulloidichthys vanicolensis</i>							26	

CHAETODONTIDAE								
<i>Forcipiger flavissimus</i>	1						3	
<i>Chaetodon kleinii</i>	2					2	7	
<i>Chaetodon ornatissimus</i>	1				2		2	
<i>Chaetodon miliaris</i>	1	5			2		146	
<i>Chaetodon multicinctus</i>		6				2	4	
<i>Chaetodon quadrimaculatus</i>				1	1		1	
<i>Chaetodon auriga</i>					1			
<i>Chaetodon fremblii</i>					1		1	
<i>Chaetodon unimaculatus</i>						1		
<i>Heniochus diphreutes</i>							24	

## Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
<b>POMACANTHIDAE</b>								
<i>Centropyge potteri</i>	3	6			1		9	
<b>POMACENTRIDAE</b>								
<i>Dascyllus albisella</i>	58	19		14	33	12	195	
<i>Plectroglyphidodon johnstonianus</i>		2					1	
<i>Chromis hanui</i>	10	13						
<i>Chromis ovalis</i>							13	
<i>Chromis vanderbilti</i>								2
<i>Stegastes fasciolatus</i>	3	1					24	
<i>Abudefduf abdominalis</i>							75	
<b>CIRRHITIDAE</b>								
<i>Paracirrhites arcatus</i>	1	1	1	3				6
<i>Cirrhitops fasciatus</i>					1	1	2	
<b>LABRIDAE</b>								
<i>Bodianus bilunulatus</i>					1	2	4	
<i>Pseudocheilinus octotaenia</i>	1				1			
<i>Pseudocheilinus tetrataenia</i>							1	
<i>Thalassoma duperrey</i>	11	14	2	6	30	5	12	16
<i>Thalassoma ballieui</i>		1						
<i>Gomphosus varius</i>	1	1					1	
<i>Stethojulis balteata</i>	2	2		2	1	2		
<i>Coris gaimard</i>					1		1	
<i>Coris flavovittata</i>							1	
<i>Pseudojuloides cerasinus</i>						4		28
<i>Labroides phthirophagus</i>						1		
<i>Anampses chrysocephalus</i>							2	
<i>Macropharyngodon geoffroy</i>							1	
<i>Halichoeres ornatissimus</i>							1	
<b>MALACANTHIDAE</b>								
<i>Malacanthus brevirostris</i>			2					
<b>SCARIDAE</b>								
<i>Calotomus carolinus</i>					1	1		
<i>Scarus sordidus</i>	3	4				1	30	
<i>Scarus psittacus</i>	12	5			18	25	97	
<i>Scarus rubroviolaceus</i>		1						
<b>BLENNIIDAE</b>								
<i>Exallia brevis</i>	1							
<b>ACANTHURIDAE</b>								

<i>Acanthurus nigrofuscus</i>	34	40		1	46	58	44	1
<i>Acanthurus triostegus</i>	1						9	
<i>Acanthurus nigroris</i>	3	6			13	4	8	
<i>Acanthurus olivaceus</i>		58			101	94	39	
<i>Acanthurus dussumieri</i>							1	
<i>Ctenochaetus strigosus</i>	78	53			9		173	
<i>Zebrasoma flavescens</i>	3	3					1	
<i>Naso lituratus</i>		1			1	2	1	
<i>Naso hexacanthus</i>		20				140	68	1
<i>Naso brevirostris</i>		5				13	5	1

## Results—Continued

Family and Species	Transect (BP-)							
	1-A	1-B	2-A	2-B	3-A	3-B	4-A	4-B
ZANCLIDAE								
<i>Zanclus cornutus</i>		1					1	
BALISTIDAE								
<i>Melichthys niger</i>	4	5						
<i>Melichthys vidua</i>		1			1	2	2	1
<i>Sufflamen bursa</i>	3	3	2	2	3	1	1	4
<i>Sufflamen fraenatus</i>			1	2		1	1	2
<i>Xanthichthys mento</i>								4
MONACANTHIDAE								
<i>Pervagor melanocephalus</i>	1						1	
<i>Cantherhines sandwichiensis</i>						1		
OSTRACIONTIDAE								
<i>Ostracion whitleyi</i>	1							
TETRAODONTIDAE								
<i>Canthigaster jactator</i>	1	4	2	3	5	4	1	
<i>Canthigaster coronata</i>								1
Total No. of Species	34	40	7	12	26	27	52	12
Total No. of Individuals	294	370	11	43	320	393	1,247	67
Estimated Standing Crop (g/m <sup>2</sup> )	115	290	9	56	176	282	685	27

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/m<sup>2</sup>) of fishes present at each location. All censuses were carried out by the author.