

UC San Diego

Scripps Institution of Oceanography Technical Report

Title

Trophic Classifications of Reef Fishes from the Tropical U.S. Pacific (Version 1.0)

Permalink

<https://escholarship.org/uc/item/5394f7m3>

Authors

Sandin, Stuart A
Williams, Ivor

Publication Date

2010-08-25

TROPHIC CLASSIFICATIONS OF REEF FISHES FROM THE TROPICAL U.S. PACIFIC
(Version 1.0)

Stuart A. Sandin
Marine Biology Research Division
Scripps Institution of Oceanography
9500 Gilman Drive
La Jolla, CA 92093-0202
ssandin@ucsd.edu

Completed in collaboration with:
Ivor Williams
Coral Reef Ecosystem Division
NOAA, National Marine Fisheries Service
Pacific Islands Fisheries Science Center
1125B Ala Moana Boulevard
Honolulu, HI 96822, USA
ivor.williams@noaa.gov

Table 1 – List of fish taxa identified across surveys of the coral reef ecosystems of the U.S. Pacific islands. Taxa are organized alphabetically by family, and alphabetically within family by lowest identified level (typically species). Trophic classifications are provided in coarse groups based on major diet items integrated across the life stages of each species. The four groups are Primary Consumer (including herbivores and detritivores), Secondary Consumer (including invertivores, corallivores, and omnivores), Planktivores (primarily consuming zooplankton), and Piscivores (including species with fish as the dominant diet item).

Family	Taxon	Trophic group
ACANTHURIDAE	<i>Acanthurus achilles</i>	Primary Consumer
	<i>Acanthurus albipectoralis</i>	Primary Consumer
	<i>Acanthurus blochii</i>	Primary Consumer
	<i>Acanthurus dussumieri</i>	Primary Consumer
	<i>Acanthurus guttatus</i>	Primary Consumer
	<i>Acanthurus leucocheilus</i>	Primary Consumer
	<i>Acanthurus leucopareius</i>	Primary Consumer
	<i>Acanthurus lineatus</i>	Primary Consumer
	<i>Acanthurus maculiceps</i>	Primary Consumer
	<i>Acanthurus mata</i>	Planktivore
	<i>Acanthurus nigricans</i>	Primary Consumer
	<i>Acanthurus nigricauda</i>	Primary Consumer
	<i>Acanthurus nigrofuscus</i>	Primary Consumer
	<i>Acanthurus nigroris</i>	Primary Consumer
	<i>Acanthurus nubilus</i>	Planktivore
	<i>Acanthurus olivaceus</i>	Primary Consumer
	<i>Acanthurus pyroferus</i>	Primary Consumer
	<i>Acanthurus sp</i>	Primary Consumer
	<i>Acanthurus thompsoni</i>	Planktivore
	<i>Acanthurus triostegus</i>	Primary Consumer
	<i>Acanthurus xanthopterus</i>	Primary Consumer
	<i>Ctenochaetus binotatus</i>	Primary Consumer
	<i>Ctenochaetus cyanocheilus</i>	Primary Consumer
	<i>Ctenochaetus flavicauda</i>	Primary Consumer
	<i>Ctenochaetus hawaiiensis</i>	Primary Consumer
	<i>Ctenochaetus marginatus</i>	Primary Consumer
	<i>Ctenochaetus sp</i>	Primary Consumer
	<i>Ctenochaetus striatus</i>	Primary Consumer
	<i>Ctenochaetus strigosus</i>	Primary Consumer
	<i>Naso annulatus</i>	Planktivore
	<i>Naso brachycentron</i>	Primary Consumer
	<i>Naso brevirostris</i>	Planktivore
	<i>Naso caesius</i>	Planktivore
	<i>Naso hexacanthus</i>	Planktivore
	<i>Naso lituratus</i>	Primary Consumer
	<i>Naso lopezi</i>	Planktivore
	<i>Naso sp</i>	Planktivore
	<i>Naso thynnoides</i>	Primary Consumer
	<i>Naso tonganus</i>	Primary Consumer

	<i>Naso unicornis</i>	Primary Consumer
	<i>Naso vlamingii</i>	Planktivore
	<i>Paracanthurus hepatus</i>	Planktivore
	<i>Pomachromis richardsoni</i>	Primary Consumer
	<i>Zebrasoma flavescens</i>	Primary Consumer
	<i>Zebrasoma rostratum</i>	Primary Consumer
	<i>Zebrasoma scopas</i>	Primary Consumer
	<i>Zebrasoma sp</i>	Primary Consumer
	<i>Zebrasoma veliferum</i>	Primary Consumer
ALBULIDAE	<i>Albula glossodonta</i>	Secondary Consumer
ANTENNARIIDAE	<i>Antennarius coccineus</i>	Piscivores
	<i>Antennarius commerson</i>	Piscivores
ANTHIAS (Serranid)	<i>Anthias</i>	Planktivore
	<i>Luzonichthys sp</i>	Planktivore
	<i>Luzonichthys waitei</i>	Planktivore
	<i>Luzonichthys whitleyi</i>	Planktivore
	<i>Pseudanthias cooperi</i>	Planktivore
	<i>Pseudanthias olivaceus</i>	Planktivore
	<i>Pseudanthias ventralis hawaiiensis</i>	Planktivore
APOGONIDAE	<i>Apogon angustatus</i>	Planktivore
	<i>Apogon apogonoides</i>	Planktivore
	<i>Apogon exostigma</i>	Planktivore
	<i>Apogon fraenatus</i>	Planktivore
	<i>Apogon kallopterus</i>	Planktivore
	<i>Apogon luteus</i>	Planktivore
	<i>Apogon maculiferus</i>	Planktivore
	<i>Apogon novemfasciatus</i>	Planktivore
	<i>Apogon sp</i>	Planktivore
	<i>Apogon taeniopterus</i>	Planktivore
	<i>Apogon trimaculatus</i>	Planktivore
	<i>Apogonichthys perdix</i>	Planktivore
	<i>Apogonidae sp</i>	Planktivore
	<i>Archamia biguttata</i>	Planktivore
	<i>Archamia fucata</i>	Planktivore
	<i>Cheilodipterus artus</i>	Secondary Consumer
	<i>Cheilodipterus macrodon</i>	Piscivores
	<i>Cheilodipterus quinquelineatus</i>	Secondary Consumer
	<i>Cheilodipterus sp</i>	Secondary Consumer
	<i>Foa brachygramma</i>	Planktivore
	<i>Ostorhinchus leslie</i>	Secondary Consumer
	<i>Siphamia sp</i>	Planktivore
ATHERINIDAE	<i>Atherinomorus insularum</i>	Planktivore
AULOSTOMIDAE	<i>Aulostomus chinensis</i>	Piscivores
BALISTIDAE	<i>Balistapus undulatus</i>	Secondary Consumer
	<i>Balistes polylepis</i>	Secondary Consumer
	<i>Balistidae sp</i>	Secondary Consumer
	<i>Balistoides conspicillum</i>	Secondary Consumer
	<i>Balistoides sp</i>	Secondary Consumer
	<i>Balistoides viridescens</i>	Secondary Consumer
	<i>Canthidermis maculata</i>	Planktivore

	<i>Melichthys niger</i>	Planktivore
	<i>Melichthys vidua</i>	Primary Consumer
	<i>Odonus niger</i>	Planktivore
	<i>Pseudobalistes flavimarginatus</i>	Secondary Consumer
	<i>Pseudobalistes fuscus</i>	Secondary Consumer
	<i>Rhinecanthus aculeatus</i>	Secondary Consumer
	<i>Rhinecanthus lunula</i>	Secondary Consumer
	<i>Rhinecanthus rectangulus</i>	Secondary Consumer
	<i>Sufflamen bursa</i>	Secondary Consumer
	<i>Sufflamen chrysopterum</i>	Secondary Consumer
	<i>Sufflamen fraenatum</i>	Secondary Consumer
	<i>Xanthichthys auromarginatus</i>	Planktivore
	<i>Xanthichthys caeruleolineatus</i>	Planktivore
	<i>Xanthichthys mento</i>	Planktivore
BELONIDAE	<i>Ablennes hians</i>	Primary Consumer
	Belonidae	Piscivores
	<i>Platybelone argalus</i>	Piscivores
	<i>Tylosurus crocodilus</i>	Piscivores
BLENNIIDAE	<i>Aspidontus taeniatus</i>	Secondary Consumer
	<i>Blenniella chrysoopilos</i>	Planktivore
	Blenniidae	Planktivore
	<i>Cirripectes obscurus</i>	Primary Consumer
	<i>Cirripectes polyzona</i>	Primary Consumer
	<i>Cirripectes sebae</i>	Primary Consumer
	<i>Cirripectes sp</i>	Primary Consumer
	<i>Cirripectes springeri</i>	Primary Consumer
	<i>Cirripectes stigmaticus</i>	Primary Consumer
	<i>Cirripectes vanderbilti</i>	Primary Consumer
	<i>Cirripectes variolosus</i>	Primary Consumer
	<i>Ecsenius bicolor</i>	Planktivore
	<i>Ecsenius midas</i>	Planktivore
	<i>Ecsenius monoculus</i>	Primary Consumer
	<i>Ecsenius opsifrontalis</i>	Planktivore
	<i>Exallias brevis</i>	Secondary Consumer
	<i>Istiblennius zebra</i>	Primary Consumer
	<i>Meiacanthus atrodorsalis</i>	Planktivore
	<i>Parablennius marmoratus</i>	Primary Consumer
	<i>Plagiotremus ewaensis</i>	Secondary Consumer
	<i>Plagiotremus goslinei</i>	Secondary Consumer
	<i>Plagiotremus laudandus laudandus</i>	Secondary Consumer
	<i>Plagiotremus rhinorhynchos</i>	Secondary Consumer
	<i>Plagiotremus tapeinosoma</i>	Secondary Consumer
BOTHIDAE	Bothidae	Secondary Consumer
	<i>Bothus mancus</i>	Secondary Consumer
CAESIONIDAE	<i>Caesio caeruleaurea</i>	Planktivore
	<i>Caesio cuning</i>	Planktivore
	<i>Caesio lunaris</i>	Planktivore
	<i>Caesio teres</i>	Planktivore
	<i>Caesionidae sp</i>	Planktivore
	<i>Pterocaesio marri</i>	Planktivore

	<i>Pterocaesio tile</i>	Planktivore
	<i>Pterocaesio trilineata</i>	Planktivore
CALLIONYMIDAE	Callionymidae	Secondary Consumer
	<i>Synchiropus moyeri</i>	Planktivore
CARACANTHIDAE	<i>Caracanthus maculatus</i>	Secondary Consumer
	<i>Caracanthus typicus</i>	Secondary Consumer
CARANGIDAE	<i>Alectis ciliaris</i>	Piscivores
	<i>Atule mate</i>	Planktivore
	<i>Carangidae</i> sp	Piscivores
	<i>Carangoides ferdau</i>	Piscivores
	<i>Carangoides fulvoguttatus</i>	Piscivores
	<i>Carangoides orthogrammus</i>	Piscivores
	<i>Caranx ignobilis</i>	Piscivores
	<i>Caranx lugubris</i>	Piscivores
	<i>Caranx melampygus</i>	Piscivores
	<i>Caranx sexfasciatus</i>	Piscivores
	<i>Caranx</i> sp	Piscivores
	<i>Decapterus macarellus</i>	Planktivore
	<i>Elagatis bipinnulata</i>	Piscivores
	<i>Gnathanodon speciosus</i>	Piscivores
	<i>Pseudocaranx dentex</i>	Piscivores
	<i>Scomberoides lysan</i>	Piscivores
	<i>Selar crumenophthalmus</i>	Planktivore
	<i>Seriola dumerili</i>	Piscivores
	<i>Trachinotus baillonii</i>	Piscivores
	<i>Trachinotus blochii</i>	Secondary Consumer
CARCHARHINIDAE	Carcharhinidae	Piscivores
	<i>Carcharhinus albimarginatus</i>	Piscivores
	<i>Carcharhinus amblyrhynchos</i>	Piscivores
	<i>Carcharhinus galapagensis</i>	Piscivores
	<i>Carcharhinus melanopterus</i>	Piscivores
	<i>Galeocerdo cuvier</i>	Piscivores
	<i>Negaprion acutidens</i>	Piscivores
	<i>Triaenodon obesus</i>	Piscivores
CHAETODONTIDAE	<i>Chaetodon auriga</i>	Secondary Consumer
	<i>Chaetodon bennetti</i>	Secondary Consumer
	<i>Chaetodon citrinellus</i>	Secondary Consumer
	<i>Chaetodon declivis</i>	Secondary Consumer
	<i>Chaetodon ephippium</i>	Secondary Consumer
	<i>Chaetodon flavocoronatus</i>	Secondary Consumer
	<i>Chaetodon fremblii</i>	Secondary Consumer
	<i>Chaetodon kleinii</i>	Planktivore
	<i>Chaetodon lineolatus</i>	Secondary Consumer
	<i>Chaetodon lunula</i>	Secondary Consumer
	<i>Chaetodon lunulatus</i>	Secondary Consumer
	<i>Chaetodon melannotus</i>	Secondary Consumer
	<i>Chaetodon mertensii</i>	Primary Consumer
	<i>Chaetodon meyeri</i>	Secondary Consumer
	<i>Chaetodon miliaris</i>	Planktivore
	<i>Chaetodon multicinctus</i>	Secondary Consumer

	<i>Chaetodon ornatissimus</i>	Secondary Consumer
	<i>Chaetodon pelewensis</i>	Secondary Consumer
	<i>Chaetodon plebeius</i>	Secondary Consumer
	<i>Chaetodon punctatofasciatus</i>	Secondary Consumer
	<i>Chaetodon quadrimaculatus</i>	Secondary Consumer
	<i>Chaetodon rafflesii</i>	Secondary Consumer
	<i>Chaetodon reticulatus</i>	Secondary Consumer
	<i>Chaetodon semeion</i>	Primary Consumer
	<i>Chaetodon tinkeri</i>	Secondary Consumer
	<i>Chaetodon trifascialis</i>	Secondary Consumer
	<i>Chaetodon ulietensis</i>	Secondary Consumer
	<i>Chaetodon unimaculatus</i>	Secondary Consumer
	<i>Chaetodon vagabundus</i>	Secondary Consumer
	Chaetodontidae	Secondary Consumer
	<i>Forcipiger flavissimus</i>	Secondary Consumer
	<i>Forcipiger longirostris</i>	Secondary Consumer
	<i>Hemitaurichthys polylepis</i>	Planktivore
	<i>Hemitaurichthys thompsoni</i>	Planktivore
	<i>Heniochus acuminatus</i>	Planktivore
	<i>Heniochus chrysostomus</i>	Secondary Consumer
	<i>Heniochus diphreutes</i>	Planktivore
	<i>Heniochus monoceros</i>	Secondary Consumer
	<i>Heniochus singularius</i>	Secondary Consumer
	<i>Heniochus varius</i>	Secondary Consumer
CHANIDAE	<i>Chanos chanos</i>	Primary Consumer
CHEILODACTYLIDAE	<i>Goniistius vittatus</i>	Secondary Consumer
CIRRHITIDAE	<i>Amblycirrhitus bimacula</i>	Secondary Consumer
	<i>Cirrhitichthys falco</i>	Secondary Consumer
	<i>Cirrhitichthys oxycephalus</i>	Secondary Consumer
	Cirrhitidae	Secondary Consumer
	<i>Cirrhitops fasciatus</i>	Secondary Consumer
	<i>Cirrhitops hubbardi</i>	Secondary Consumer
	<i>Cirrhitus pinnulatus</i>	Secondary Consumer
	<i>Neocirrhites armatus</i>	Secondary Consumer
	<i>Oxycirrhites typus</i>	Planktivore
	<i>Paracirrhites arcatus</i>	Secondary Consumer
	<i>Paracirrhites forsteri</i>	Piscivores
	<i>Paracirrhites hemistictus</i>	Piscivores
	<i>Paracirrhites nisus</i>	Secondary Consumer
	<i>Paracirrhites xanthus</i>	Secondary Consumer
CLUPEIDAE	<i>Spratelloides delicatulus</i>	Planktivore
CONGRIDAE	<i>Conger cinereus</i>	Piscivores
	Congridae	Piscivores
	<i>Gorgasia hawaiiensis</i>	Piscivores
	<i>Gorgasia</i> or <i>Heteroconger</i> sp	Piscivores
DASYATIDAE	Dasyatidae	Secondary Consumer
	<i>Dasyatis kuhlii</i>	Secondary Consumer
	<i>Dasyatis lata</i>	Secondary Consumer
	<i>Himantura fai</i>	Secondary Consumer
	<i>Pastinachus sephen</i>	Secondary Consumer

	<i>Taeniura meyeri</i>	Secondary Consumer
	<i>Urogymnus asperrimus</i>	Secondary Consumer
DIODONTIDAE	<i>Diodon holocanthus</i>	Secondary Consumer
	<i>Diodon hystrix</i>	Secondary Consumer
	<i>Diodon liturosus</i>	Secondary Consumer
	Diodontidae	Secondary Consumer
ECHENEIDAE	Echeneidae	Secondary Consumer
	<i>Echeneis naucrates</i>	Planktivore
EPHIPPIDAE	Ephippidae	Secondary Consumer
	<i>Platax boersii</i>	Secondary Consumer
	<i>Platax orbicularis</i>	Secondary Consumer
	<i>Platax teira</i>	Secondary Consumer
FISTULARIIDAE	<i>Fistularia commersonii</i>	Piscivores
	Fistulariidae	Piscivores
GINGLYMOSTOMATIDAE	<i>Nebrius ferrugineus</i>	Piscivores
GOBIIDAE	<i>Amblyeleotris fasciata</i>	Planktivore
	<i>Amblyeleotris guttata</i>	Planktivore
	<i>Amblyeleotris</i> sp	Planktivore
	<i>Amblyeleotris steinitzi</i>	Planktivore
	<i>Amblygobius phalaena</i>	Primary Consumer
	<i>Amblygobius rainfordi</i>	Secondary Consumer
	<i>Asterropteryx semipunctata</i>	Secondary Consumer
	<i>Asterropteryx striata</i>	Secondary Consumer
	<i>Bryaninops</i> sp	Secondary Consumer
	<i>Coryphopterus</i> sp	Planktivore
	<i>Ctenogobiops pomastictus</i>	Planktivore
	<i>Ctenogobiops</i> sp	Planktivore
	<i>Ctenogobiops tangaroai</i>	Secondary Consumer
	<i>Eviota albolineata</i>	Secondary Consumer
	<i>Eviota guttata</i>	Secondary Consumer
	<i>Eviota prasites</i>	Secondary Consumer
	<i>Eviota</i> sp	Secondary Consumer
	<i>Fusigobius duospilus</i>	Secondary Consumer
	<i>Fusigobius neophytus</i>	Secondary Consumer
	<i>Gnatholepis</i> sp	Planktivore
	Gobiidae	Secondary Consumer
	<i>Gobiodon citrinus</i>	Secondary Consumer
	<i>Gobiodon okinawae</i>	Secondary Consumer
	<i>Gobiodon rivulatus</i>	Secondary Consumer
	<i>Istigobius decoratus</i>	Secondary Consumer
	<i>Istigobius</i> sp	Planktivore
	<i>Lotilia graciliosa</i>	Planktivore
	<i>Paragobiodon echinocephalus</i>	Secondary Consumer
	<i>Priolepis eugenius</i>	Secondary Consumer
	<i>Psilogobius mainlandi</i>	Secondary Consumer
	<i>Trimma caesiura</i>	Secondary Consumer
	<i>Trimmatom eviotops</i>	Planktivore
	<i>Valenciennea strigata</i>	Secondary Consumer
HAEMULIDAE	Haemulidae	Secondary Consumer
	<i>Plectorhinchus albovittatus</i>	Secondary Consumer

	<i>Plectorhinchus gibbosus</i>	Secondary Consumer
	<i>Plectorhinchus lineatus</i>	Secondary Consumer
	<i>Plectorhinchus picus</i>	Secondary Consumer
	<i>Plectorhinchus vittatus</i>	Secondary Consumer
HEMIRAMPHIDAE	Hemiramphidae	Planktivore
	<i>Hyporhamphus acutus acutus</i>	Planktivore
HOLOCENTRIDAE	Holocentridae	Secondary Consumer
	<i>Myripristinae</i> sp	Planktivore
	<i>Myripristis adusta</i>	Planktivore
	<i>Myripristis amaena</i>	Planktivore
	<i>Myripristis berndti</i>	Planktivore
	<i>Myripristis chryseres</i>	Planktivore
	<i>Myripristis earlei</i>	Secondary Consumer
	<i>Myripristis kuntee</i>	Planktivore
	<i>Myripristis murdjan</i>	Planktivore
	<i>Myripristis violacea</i>	Secondary Consumer
	<i>Myripristis vittata</i>	Planktivore
	<i>Myripristis woodsi</i>	Planktivore
	<i>Neoniphon argenteus</i>	Secondary Consumer
	<i>Neoniphon aurolineatus</i>	Secondary Consumer
	<i>Neoniphon opercularis</i>	Secondary Consumer
	<i>Neoniphon sammara</i>	Secondary Consumer
	<i>Neoniphon</i> sp	Secondary Consumer
	<i>Pristilepis oligolepis</i>	Planktivore
	<i>Sargocentron caudimaculatum</i>	Secondary Consumer
	<i>Sargocentron diadema</i>	Secondary Consumer
	<i>Sargocentron ensifer</i>	Secondary Consumer
	<i>Sargocentron microstoma</i>	Secondary Consumer
	<i>Sargocentron punctatissimum</i>	Secondary Consumer
	<i>Sargocentron</i> sp	Secondary Consumer
	<i>Sargocentron spiniferum</i>	Secondary Consumer
	<i>Sargocentron tiere</i>	Secondary Consumer
	<i>Sargocentron xantherythrum</i>	Secondary Consumer
KUHLIIDAE	<i>Kuhlia sandwicensis</i>	Planktivore
	<i>Kuhliidae</i> sp	Planktivore
KYPHOSIDAE	<i>Kyphosidae</i> sp	Primary Consumer
	<i>Kyphosus cinerascens</i>	Primary Consumer
	<i>Kyphosus hawaiiensis</i>	Primary Consumer
	<i>Kyphosus pacificus</i>	Primary Consumer
	<i>Kyphosus sandwicensis</i>	Primary Consumer
	<i>Kyphosus vaigiensis</i>	Primary Consumer
	<i>Microcanthus strigatus</i>	Secondary Consumer
	<i>Sectator ocyurus</i>	Primary Consumer
LABRIDAE	<i>Anampses caeruleopunctatus</i>	Secondary Consumer
	<i>Anampses chrysocephalus</i>	Secondary Consumer
	<i>Anampses cuvier</i>	Secondary Consumer
	<i>Anampses geographicus</i>	Planktivore
	<i>Anampses melanurus</i>	Secondary Consumer
	<i>Anampses meleagrides</i>	Secondary Consumer
	<i>Anampses</i> sp	Secondary Consumer

<i>Anampses twistii</i>	Secondary Consumer
<i>Bodianus anthioides</i>	Planktivore
<i>Bodianus axillaris</i>	Secondary Consumer
<i>Bodianus bilunulatus</i>	Secondary Consumer
<i>Bodianus bimaculatus</i>	Secondary Consumer
<i>Bodianus diana</i>	Secondary Consumer
<i>Bodianus loxozonus</i>	Secondary Consumer
<i>Bodianus mesothorax</i>	Secondary Consumer
<i>Bodianus prognathus</i>	Secondary Consumer
<i>Cheilinus chlorourus</i>	Secondary Consumer
<i>Cheilinus fasciatus</i>	Secondary Consumer
<i>Cheilinus oxycephalus</i>	Secondary Consumer
<i>Cheilinus</i> sp	Secondary Consumer
<i>Cheilinus trilobatus</i>	Secondary Consumer
<i>Cheilinus undulatus</i>	Secondary Consumer
<i>Cheilio inermis</i>	Secondary Consumer
<i>Cirrhilabrus balteatus</i>	Planktivore
<i>Cirrhilabrus exquisitus</i>	Planktivore
<i>Cirrhilabrus jordani</i>	Planktivore
<i>Cirrhilabrus katherinae</i>	Planktivore
<i>Cirrhilabrus luteovittatus</i>	Planktivore
<i>Cirrhilabrus punctatus</i>	Secondary Consumer
<i>Cirrhilabrus scottorum</i>	Secondary Consumer
<i>Cirrhilabrus</i> sp	Planktivore
<i>Cirrhilabrus temminckii</i>	Secondary Consumer
<i>Coris aygula</i>	Secondary Consumer
<i>Coris ballieui</i>	Secondary Consumer
<i>Coris batuensis</i>	Secondary Consumer
<i>Coris centralis</i>	Secondary Consumer
<i>Coris flavovittata</i>	Secondary Consumer
<i>Coris gaimard</i>	Secondary Consumer
<i>Coris venusta</i>	Secondary Consumer
<i>Cymolutes lecluse</i>	Secondary Consumer
<i>Cymolutes praetextatus</i>	Secondary Consumer
<i>Diproctacanthus xanthurus</i>	Secondary Consumer
<i>Epibulus insidiator</i>	Secondary Consumer
<i>Gomphosus varius</i>	Secondary Consumer
<i>Halichoeres biocellatus</i>	Secondary Consumer
<i>Halichoeres chrysus</i>	Secondary Consumer
<i>Halichoeres hortulanus</i>	Secondary Consumer
<i>Halichoeres margaritaceus</i>	Secondary Consumer
<i>Halichoeres marginatus</i>	Secondary Consumer
<i>Halichoeres melanurus</i>	Secondary Consumer
<i>Halichoeres melasmapomus</i>	Secondary Consumer
<i>Halichoeres ornatissimus</i>	Secondary Consumer
<i>Halichoeres pallidus</i>	Secondary Consumer
<i>Halichoeres prosopeion</i>	Secondary Consumer
<i>Halichoeres richmondi</i>	Secondary Consumer
<i>Halichoeres scapularis</i>	Secondary Consumer
<i>Halichoeres</i> sp	Secondary Consumer

<i>Halichoeres trimaculatus</i>	Secondary Consumer
<i>Hemigymnus fasciatus</i>	Secondary Consumer
<i>Hemigymnus melapterus</i>	Secondary Consumer
<i>Hologymnosus annulatus</i>	Secondary Consumer
<i>Hologymnosus doliatus</i>	Secondary Consumer
<i>Iniistius aneitensis</i>	Secondary Consumer
<i>Iniistius celebicus</i>	Secondary Consumer
<i>Iniistius pavo</i>	Secondary Consumer
<i>Iniistius umbrilatus</i>	Secondary Consumer
<i>Labrichthys unilineatus</i>	Secondary Consumer
Labridae	Secondary Consumer
<i>Labroides bicolor</i>	Secondary Consumer
<i>Labroides dimidiatus</i>	Secondary Consumer
<i>Labroides pectoralis</i>	Secondary Consumer
<i>Labroides phthirophagus</i>	Secondary Consumer
<i>Labroides rubrolabiatus</i>	Secondary Consumer
<i>Labropsis australis</i>	Secondary Consumer
<i>Labropsis micronesica</i>	Secondary Consumer
<i>Labropsis polynesica</i>	Secondary Consumer
<i>Labropsis xanthonota</i>	Secondary Consumer
<i>Macropharyngodon geoffroy</i>	Secondary Consumer
<i>Macropharyngodon meleagris</i>	Secondary Consumer
<i>Macropharyngodon negrosensis</i>	Secondary Consumer
<i>Novaculichthys taeniourus</i>	Secondary Consumer
<i>Oxycheilinus bimaculatus</i>	Secondary Consumer
<i>Oxycheilinus digramma</i>	Piscivores
<i>Oxycheilinus rhodochrous</i>	Secondary Consumer
<i>Oxycheilinus sp</i>	Secondary Consumer
<i>Oxycheilinus unifasciatus</i>	Piscivores
<i>Pseudocheilinus evanidus</i>	Secondary Consumer
<i>Pseudocheilinus hexataenia</i>	Secondary Consumer
<i>Pseudocheilinus ocellatus</i>	Secondary Consumer
<i>Pseudocheilinus octotaenia</i>	Secondary Consumer
<i>Pseudocheilinus tetrataenia</i>	Secondary Consumer
<i>Pseudocoris aurantiofasciata</i>	Secondary Consumer
<i>Pseudocoris heteroptera</i>	Secondary Consumer
<i>Pseudocoris yamashiroi</i>	Planktivore
<i>Pseudodax moluccanus</i>	Secondary Consumer
<i>Pseudojuloides atavai</i>	Secondary Consumer
<i>Pseudojuloides cerasinus</i>	Secondary Consumer
<i>Pseudojuloides sp</i>	Secondary Consumer
<i>Pteragogus cryptus</i>	Secondary Consumer
<i>Pteragogus enneacanthus</i>	Secondary Consumer
<i>Stethojulis balteata</i>	Secondary Consumer
<i>Stethojulis bandanensis</i>	Planktivore
<i>Stethojulis strigiventer</i>	Secondary Consumer
<i>Stethojulis trilineata</i>	Secondary Consumer
<i>Thalassoma amblycephalum</i>	Planktivore
<i>Thalassoma ballieui</i>	Secondary Consumer
<i>Thalassoma duperrey</i>	Secondary Consumer

	<i>Thalassoma hardwicke</i>	Planktivore
	<i>Thalassoma lunare</i>	Planktivore
	<i>Thalassoma lutescens</i>	Secondary Consumer
	<i>Thalassoma nigrofasciatum</i>	Secondary Consumer
	<i>Thalassoma purpureum</i>	Secondary Consumer
	<i>Thalassoma quinquevittatum</i>	Secondary Consumer
	<i>Thalassoma</i> sp	Secondary Consumer
	<i>Thalassoma trilobatum</i>	Secondary Consumer
	<i>Wetmorella nigropinnata</i>	Secondary Consumer
	<i>Xyrichtys niger</i>	Secondary Consumer
LETHRINIDAE	<i>Gnathodentex aureolineatus</i>	Secondary Consumer
	Lethrinidae	Secondary Consumer
	<i>Lethrinus amboinensis</i>	Secondary Consumer
	<i>Lethrinus atkinsoni</i>	Secondary Consumer
	<i>Lethrinus harak</i>	Secondary Consumer
	<i>Lethrinus microdon</i>	Secondary Consumer
	<i>Lethrinus obsoletus</i>	Secondary Consumer
	<i>Lethrinus olivaceus</i>	Piscivores
	<i>Lethrinus rubrioperculatus</i>	Secondary Consumer
	<i>Lethrinus</i> sp	Secondary Consumer
	<i>Lethrinus xanthochilus</i>	Piscivores
LUTJANIDAE	<i>Monotaxis grandoculis</i>	Secondary Consumer
	<i>Aphareus furca</i>	Piscivores
	<i>Aprion virescens</i>	Piscivores
	Lutjanidae	Secondary Consumer
	<i>Lutjanus biguttatus</i>	Secondary Consumer
	<i>Lutjanus bohar</i>	Piscivores
	<i>Lutjanus ehrenbergii</i>	Piscivores
	<i>Lutjanus fulvus</i>	Secondary Consumer
	<i>Lutjanus gibbus</i>	Secondary Consumer
	<i>Lutjanus kasmira</i>	Secondary Consumer
	<i>Lutjanus malabaricus</i>	Secondary Consumer
	<i>Lutjanus monostigma</i>	Piscivores
	<i>Lutjanus rivulatus</i>	Secondary Consumer
	<i>Lutjanus semicinctus</i>	Piscivores
	<i>Macolor macularis</i>	Planktivore
	<i>Macolor niger</i>	Planktivore
	<i>Macolor</i> sp	Planktivore
MALACANTHIDAE	<i>Hoplolatilus starcki</i>	Secondary Consumer
	<i>Malacanthus brevirostris</i>	Secondary Consumer
	<i>Malacanthus latovittatus</i>	Secondary Consumer
MICRODESMIDAE	<i>Gunnellichthys curiosus</i>	Planktivore
	Microdesmidae	Planktivore
MOBULIDAE	<i>Manta birostris</i>	Planktivore
MONACANTHIDAE	<i>Aluterus scriptus</i>	Secondary Consumer
	<i>Amanses scopas</i>	Secondary Consumer
	<i>Cantherhines dumerilii</i>	Secondary Consumer
	<i>Cantherhines pardalis</i>	Primary Consumer
	<i>Cantherhines sandwichiensis</i>	Primary Consumer
	<i>Cantherhines verecundus</i>	Primary Consumer

	Monacanthidae	Primary Consumer
	<i>Oxymonacanthus longirostris</i>	Secondary Consumer
	<i>Paraluteres prionurus</i>	Secondary Consumer
	<i>Pervagor alternans</i>	Secondary Consumer
	<i>Pervagor aspricaudus</i>	Secondary Consumer
	<i>Pervagor janthinosoma</i>	Secondary Consumer
	<i>Pervagor marginalis</i>	Secondary Consumer
	<i>Pervagor sp</i>	Secondary Consumer
	<i>Pervagor spilosoma</i>	Secondary Consumer
	<i>Pervagor melanocephalus</i>	Secondary Consumer
MUGILIDAE	<i>Liza vaigiensis</i>	Planktivore
	<i>Mugil cephalus</i>	Planktivore
MULLIDAE	Mullidae	Secondary Consumer
	<i>Mulloidichthys flavolineatus</i>	Secondary Consumer
	<i>Mulloidichthys mimicus</i>	Secondary Consumer
	<i>Mulloidichthys pfluegeri</i>	Secondary Consumer
	<i>Mulloidichthys vanicolensis</i>	Secondary Consumer
	<i>Parupeneus barberinoides</i>	Secondary Consumer
	<i>Parupeneus barberinus</i>	Secondary Consumer
	<i>Parupeneus chrysonemus</i>	Secondary Consumer
	<i>Parupeneus ciliatus</i>	Secondary Consumer
	<i>Parupeneus crassilabris</i>	Secondary Consumer
	<i>Parupeneus cyclostomus</i>	Piscivores
	<i>Parupeneus insularis</i>	Secondary Consumer
	<i>Parupeneus multifasciatus</i>	Secondary Consumer
	<i>Parupeneus pleurostigma</i>	Secondary Consumer
	<i>Parupeneus porphyreus</i>	Secondary Consumer
	<i>Upeneus taeniopterus</i>	Secondary Consumer
MURAENIDAE	<i>Echidna nebulosa</i>	Secondary Consumer
	<i>Enchelycore pardalis</i>	Piscivores
	<i>Enchelynassa canina</i>	Piscivores
	<i>Gymnomuraena zebra</i>	Secondary Consumer
	<i>Gymnothorax breedeni</i>	Piscivores
	<i>Gymnothorax eurostus</i>	Secondary Consumer
	<i>Gymnothorax flavimarginatus</i>	Piscivores
	<i>Gymnothorax javanicus</i>	Piscivores
	<i>Gymnothorax melatremus</i>	Secondary Consumer
	<i>Gymnothorax meleagris</i>	Piscivores
	<i>Gymnothorax rueppellii</i>	Secondary Consumer
	<i>Gymnothorax sp</i>	Piscivores
	<i>Gymnothorax steindachneri</i>	Piscivores
	<i>Gymnothorax undulatus</i>	Piscivores
	<i>Gymnothorax picta</i>	Piscivores
	Muraenidae	Piscivores
	<i>Scuticaria tigrina</i>	Piscivores
MYLIOBATIDAE	<i>Aetobatus narinari</i>	Secondary Consumer
NEMIPTERIDAE	<i>Pentapodus caninus</i>	Secondary Consumer
	<i>Scolopsis lineata</i>	Secondary Consumer
OPHICHTHIDAE	<i>Myrichthys magnificus</i>	Secondary Consumer
OPHIDIIDAE	<i>Brotula multibarbata</i>	Secondary Consumer

OPLEGNATHIDAE	<i>Oplegnathus fasciatus</i>	Secondary Consumer
	<i>Oplegnathus punctatus</i>	Secondary Consumer
OSTRACIIDAE	<i>Lactoria fornasini</i>	Secondary Consumer
	Ostraciidae	Secondary Consumer
	<i>Ostracion cubicus</i>	Primary Consumer
	<i>Ostracion meleagris</i>	Secondary Consumer
	<i>Ostracion whitleyi</i>	Secondary Consumer
PEMPHERIDAE	Pempheridae	Planktivore
	<i>Pempheris oualensis</i>	Planktivore
PENTACEROTIDAE	<i>Evistias acutirostris</i>	Secondary Consumer
PINGUIPEDIDAE	<i>Parapercis clathrata</i>	Secondary Consumer
	<i>Parapercis millepunctata</i>	Secondary Consumer
	<i>Parapercis schauinslandii</i>	Secondary Consumer
	Pinguipedidae	Secondary Consumer
PLEURONECTIDAE	<i>Pleuronectiformid</i> sp	Secondary Consumer
POLYNEMIDAE	<i>Polydactylus sexfilis</i>	Secondary Consumer
POMACANTHIDAE	<i>Apolemichthys arcuatus</i>	Secondary Consumer
	<i>Apolemichthys griffisi</i>	Secondary Consumer
	<i>Apolemichthys trimaculatus</i>	Secondary Consumer
	<i>Apolemichthys xanthopunctatus</i>	Secondary Consumer
	<i>Centropyge bicolor</i>	Primary Consumer
	<i>Centropyge bispinosa</i>	Primary Consumer
	<i>Centropyge fisheri</i>	Primary Consumer
	<i>Centropyge flavicauda</i>	Primary Consumer
	<i>Centropyge flavissima</i>	Primary Consumer
	<i>Centropyge heraldi</i>	Primary Consumer
	<i>Centropyge loricula</i>	Primary Consumer
	<i>Centropyge multicolor</i>	Primary Consumer
	<i>Centropyge multifasciata</i>	Secondary Consumer
	<i>Centropyge potteri</i>	Primary Consumer
	<i>Centropyge shepardi</i>	Primary Consumer
	<i>Centropyge</i> sp	Primary Consumer
	<i>Centropyge vrolikii</i>	Primary Consumer
	<i>Genicanthus personatus</i>	Planktivore
	<i>Genicanthus watanabei</i>	Planktivore
	Pomacanthidae	Secondary Consumer
	<i>Pomacanthus imperator</i>	Secondary Consumer
	<i>Pygoplites diacanthus</i>	Secondary Consumer
POMACENTRIDAE	<i>Abudefduf abdominalis</i>	Planktivore
	<i>Abudefduf septemfasciatus</i>	Primary Consumer
	<i>Abudefduf sexfasciatus</i>	Planktivore
	<i>Abudefduf sordidus</i>	Primary Consumer
	<i>Abudefduf vaigiensis</i>	Planktivore
	<i>Amblyglyphidodon aureus</i>	Planktivore
	<i>Amblyglyphidodon curacao</i>	Secondary Consumer
	<i>Amblyglyphidodon leucogaster</i>	Planktivore
	<i>Amphiprion chrysopterus</i>	Planktivore
	<i>Amphiprion clarkii</i>	Planktivore
	<i>Amphiprion melanopus</i>	Planktivore
	<i>Amphiprion perideraion</i>	Planktivore

<i>Amphiprion tricolor</i>	Primary Consumer
<i>Chromis acares</i>	Planktivore
<i>Chromis agilis</i>	Planktivore
<i>Chromis alpha</i>	Planktivore
<i>Chromis amboinensis</i>	Primary Consumer
<i>Chromis atripectoralis</i>	Planktivore
<i>Chromis atripes</i>	Primary Consumer
<i>Chromis caudalis</i>	Planktivore
<i>Chromis fumea</i>	Planktivore
<i>Chromis hanui</i>	Planktivore
<i>Chromis iomelas</i>	Primary Consumer
<i>Chromis lepidolepis</i>	Planktivore
<i>Chromis leucura</i>	Planktivore
<i>Chromis margaritifer</i>	Planktivore
<i>Chromis ovalis</i>	Planktivore
<i>Chromis ternatensis</i>	Planktivore
<i>Chromis vanderbilti</i>	Planktivore
<i>Chromis verater</i>	Planktivore
<i>Chromis viridis</i>	Planktivore
<i>Chromis weberi</i>	Planktivore
<i>Chromis xanthura</i>	Planktivore
<i>Chrysiptera biocellata</i>	Primary Consumer
<i>Chrysiptera brownriggii</i>	Primary Consumer
<i>Chrysiptera cyanea</i>	Planktivore
<i>Chrysiptera glauca</i>	Primary Consumer
<i>Chrysiptera taupou</i>	Primary Consumer
<i>Chrysiptera traceyi</i>	Primary Consumer
<i>Dascyllus albisella</i>	Planktivore
<i>Dascyllus aruanus</i>	Planktivore
<i>Dascyllus auripinnis</i>	Planktivore
<i>Dascyllus reticulatus</i>	Planktivore
<i>Dascyllus trimaculatus</i>	Planktivore
<i>Lepidozygus tapeinosoma</i>	Planktivore
<i>Neopomacentrus metallicus</i>	Planktivore
<i>Plectroglyphidodon dickii</i>	Secondary Consumer
<i>Plectroglyphidodon imparipennis</i>	Secondary Consumer
<i>Plectroglyphidodon johnstonianus</i>	Secondary Consumer
<i>Plectroglyphidodon lacrymatus</i>	Planktivore
<i>Plectroglyphidodon leucozonus</i>	Primary Consumer
<i>Plectroglyphidodon phoenixensis</i>	Primary Consumer
<i>Plectroglyphidodon sindonis</i>	Primary Consumer
Pomacentridae	Secondary Consumer
<i>Pomacentrus amboinensis</i>	Planktivore
<i>Pomacentrus brachialis</i>	Planktivore
<i>Pomacentrus coelestis</i>	Planktivore
<i>Pomacentrus pavo</i>	Planktivore
<i>Pomacentrus samoa</i>	Planktivore
<i>Pomacentrus vaiuli</i>	Planktivore
<i>Pomachromis guamensis</i>	Planktivore
<i>Stegastes albifasciatus</i>	Primary Consumer

	<i>Stegastes aureus</i>	Primary Consumer
	<i>Stegastes fasciolatus</i>	Primary Consumer
	<i>Stegastes lividus</i>	Primary Consumer
	<i>Stegastes nigricans</i>	Primary Consumer
	<i>Stegastes sp</i>	Primary Consumer
PRIACANTHIDAE	<i>Heteropriacanthus cruentatus</i>	Planktivore
	<i>Priacanthus meeki</i>	Planktivore
	<i>Priacanthus sp</i>	Planktivore
PSEUDOCROMIDAE	<i>Pseudochromis jamesi</i>	Secondary Consumer
	<i>Pseudochromis sp</i>	Secondary Consumer
PTERELEOTRIDAE	<i>Nemateleotris magnifica</i>	Planktivore
	<i>Ptereleotris evides</i>	Planktivore
	<i>Ptereleotris heteroptera</i>	Planktivore
	<i>Ptereleotris microlepis</i>	Planktivore
	<i>Ptereleotris zebra</i>	Planktivore
RHINOBATIDAE	<i>Rhynchobatus djiddensis</i>	Secondary Consumer
SCARIDAE	<i>Bolbometopon muricatum</i>	Secondary Consumer
	<i>Calotomus carolinus</i>	Primary Consumer
	<i>Calotomus zonarchus</i>	Primary Consumer
	<i>Cetoscarus ocellatus</i>	Primary Consumer
	<i>Chlorurus frontalis</i>	Primary Consumer
	<i>Chlorurus japanensis</i>	Primary Consumer
	<i>Chlorurus microrhinos</i>	Primary Consumer
	<i>Chlorurus perspicillatus</i>	Primary Consumer
	<i>Chlorurus sordidus</i>	Primary Consumer
	<i>Chlorurus sp</i>	Primary Consumer
	<i>Hipposcarus longiceps</i>	Primary Consumer
	Scaridae	Primary Consumer
	<i>Scarus altipinnis</i>	Primary Consumer
	<i>Scarus dimidiatus</i>	Primary Consumer
	<i>Scarus dubius</i>	Primary Consumer
	<i>Scarus festivus</i>	Primary Consumer
	<i>Scarus flavipectoralis</i>	Primary Consumer
	<i>Scarus forsteni</i>	Primary Consumer
	<i>Scarus frenatus</i>	Primary Consumer
	<i>Scarus fuscocaudalis</i>	Primary Consumer
	<i>Scarus ghobban</i>	Primary Consumer
	<i>Scarus globiceps</i>	Primary Consumer
	<i>Scarus niger</i>	Primary Consumer
	<i>Scarus oviceps</i>	Primary Consumer
	<i>Scarus psittacus</i>	Primary Consumer
	<i>Scarus rubroviolaceus</i>	Primary Consumer
	<i>Scarus schlegeli</i>	Primary Consumer
	<i>Scarus sp</i>	Primary Consumer
	<i>Scarus spinus</i>	Primary Consumer
	<i>Scarus tricolor</i>	Primary Consumer
	<i>Scarus xanthopleura</i>	Primary Consumer
SCOMBRIDAE	<i>Acanthocybium solandri</i>	Piscivores
	<i>Euthynnus affinis</i>	Piscivores
	<i>Grammatorcynus bilineatus</i>	Piscivores

	<i>Gymnosarda unicolor</i>	Piscivores
	<i>Katsuwonus pelamis</i>	Piscivores
	<i>Scomberomorus commerson</i>	Piscivores
	Scombridae	Piscivores
	<i>Thunnus albacares</i>	Piscivores
SCORPAENIDAE	<i>Dendrochirus barberi</i>	Secondary Consumer
	<i>Dendrochirus biocellatus</i>	Piscivores
	<i>Iracundus signifer</i>	Secondary Consumer
	<i>Pterois antennata</i>	Secondary Consumer
	<i>Pterois sp</i>	Piscivores
	<i>Pterois sphex</i>	Piscivores
	<i>Pterois volitans</i>	Piscivores
	<i>Scorpaenodes parvipinnis</i>	Secondary Consumer
	<i>Scorpaenopsis cacopsis</i>	Piscivores
	<i>Scorpaenopsis diabolus</i>	Piscivores
	<i>Scorpaenopsis oxycephala</i>	Secondary Consumer
	<i>Scorpaenopsis sp</i>	Piscivores
	<i>Sebastapistes ballieui</i>	Secondary Consumer
	<i>Sebastapistes coniora</i>	Secondary Consumer
	<i>Sebastapistes cyanostigma</i>	Secondary Consumer
	<i>Sebastapistes sp</i>	Piscivores
	<i>Taenianotus triacanthus</i>	Piscivores
SERRANIDAE	<i>Aethaloperca rogae</i>	Piscivores
	<i>Anyperodon leucogrammicus</i>	Piscivores
	<i>Belonoperca chabanaudi</i>	Secondary Consumer
	<i>Cephalopholis argus</i>	Piscivores
	<i>Cephalopholis leopardus</i>	Piscivores
	<i>Cephalopholis miniata</i>	Piscivores
	<i>Cephalopholis sexmaculata</i>	Piscivores
	<i>Cephalopholis sonnerati</i>	Piscivores
	<i>Cephalopholis sp</i>	Piscivores
	<i>Cephalopholis spiloparaea</i>	Piscivores
	<i>Cephalopholis urodeta</i>	Piscivores
	<i>Epinephelus cyanopodus</i>	Piscivores
	<i>Epinephelus fasciatus</i>	Piscivores
	<i>Epinephelus fuscoguttatus</i>	Piscivores
	<i>Epinephelus hexagonatus</i>	Piscivores
	<i>Epinephelus howlandi</i>	Piscivores
	<i>Epinephelus lanceolatus</i>	Piscivores
	<i>Epinephelus macrospilos</i>	Piscivores
	<i>Epinephelus maculatus</i>	Piscivores
	<i>Epinephelus melanostigma</i>	Piscivores
	<i>Epinephelus merra</i>	Piscivores
	<i>Epinephelus polyphkadion</i>	Piscivores
	<i>Epinephelus quernus</i>	Piscivores
	<i>Epinephelus retouti</i>	Piscivores
	<i>Epinephelus socialis</i>	Piscivores
	<i>Epinephelus sp</i>	Piscivores
	<i>Epinephelus spilotoceps</i>	Piscivores
	<i>Epinephelus tauvina</i>	Piscivores

	<i>Gracila albomarginata</i>	Piscivores
	<i>Grammistes sexlineatus</i>	Secondary Consumer
	<i>Luzonichthys earlei</i>	Planktivore
	<i>Plectropomus areolatus</i>	Piscivores
	<i>Plectropomus laevis</i>	Piscivores
	<i>Plectropomus leopardus</i>	Piscivores
	<i>Plectropomus oligacanthus</i>	Piscivores
	<i>Pogonoperca punctata</i>	Piscivores
	<i>Pseudanthias bartlettorum</i>	Planktivore
	<i>Pseudanthias bicolor</i>	Planktivore
	<i>Pseudanthias dispar</i>	Planktivore
	<i>Pseudanthias pascalus</i>	Planktivore
	<i>Pseudanthias pleurotaenia</i>	Planktivore
	<i>Pseudanthias thompsoni</i>	Planktivore
	Serranidae	Piscivores
	<i>Variola albimarginata</i>	Piscivores
	<i>Variola louti</i>	Piscivores
SIGANIDAE	Siganidae	Primary Consumer
	<i>Siganus argenteus</i>	Primary Consumer
	<i>Siganus puellus</i>	Primary Consumer
	<i>Siganus punctatus</i>	Primary Consumer
	<i>Siganus spinus</i>	Primary Consumer
	<i>Siganus vulpinus</i>	Primary Consumer
SPHYRAENIDAE	<i>Sphyraena barracuda</i>	Piscivores
	<i>Sphyraena helleri</i>	Piscivores
	<i>Sphyraena jello</i>	Piscivores
	<i>Sphyraena putnamae</i>	Piscivores
	<i>Sphyraena qenie</i>	Piscivores
	Sphyraenidae	Piscivores
SPHYRNIDAE	<i>Sphyrna lewini</i>	Piscivores
	<i>Sphyrna mokarran</i>	Piscivores
	Sphyrnidae	Piscivores
STEGOSTOMATIDAE	<i>Stegostoma fasciatum</i>	Secondary Consumer
SYNGNATHIDAE	<i>Corythoichthys flavofasciatus</i>	Planktivore
	<i>Doryrhamphus excisus excisus</i>	Planktivore
	<i>Hippocampus</i> sp	Planktivore
	Solenostomidae/Syngnatidae	Planktivore
SYNODONTIDAE	<i>Saurida flamma</i>	Piscivores
	<i>Saurida gracilis</i>	Piscivores
	Synodontidae	Piscivores
	<i>Synodus binotatus</i>	Piscivores
	<i>Synodus dermatogenys</i>	Piscivores
	<i>Synodus jaculum</i>	Piscivores
	<i>Synodus ulae</i>	Piscivores
	<i>Synodus variegatus</i>	Piscivores
TETRAODONTIDAE	<i>Arothron hispidus</i>	Secondary Consumer
	<i>Arothron mappa</i>	Secondary Consumer
	<i>Arothron meleagris</i>	Secondary Consumer
	<i>Arothron nigropunctatus</i>	Secondary Consumer
	<i>Arothron stellatus</i>	Secondary Consumer

	<i>Canthigaster amboinensis</i>	Primary Consumer
	<i>Canthigaster bennetti</i>	Primary Consumer
	<i>Canthigaster coronata</i>	Primary Consumer
	<i>Canthigaster epilampra</i>	Primary Consumer
	<i>Canthigaster jactator</i>	Primary Consumer
	<i>Canthigaster janthinoptera</i>	Primary Consumer
	<i>Canthigaster rivulata</i>	Primary Consumer
	<i>Canthigaster solandri</i>	Primary Consumer
	<i>Canthigaster valentini</i>	Primary Consumer
	Tetraodontidae	Secondary Consumer
TRIPTERYGIIDAE	<i>Enneapterygius</i> sp	Secondary Consumer
	<i>Enneapterygius tutuilae</i>	Secondary Consumer
	<i>Helcogramma striatum</i>	Secondary Consumer
	Triplefin (unidentified)	Planktivore
ZANCLIDAE	<i>Zanclus cornutus</i>	Secondary Consumer