Line Islands
Fish species study guide

This presentation is intended to be a study aide and not a comprehensive list of all fish species recorded at Jarvis, Palmyra, and Kingman.

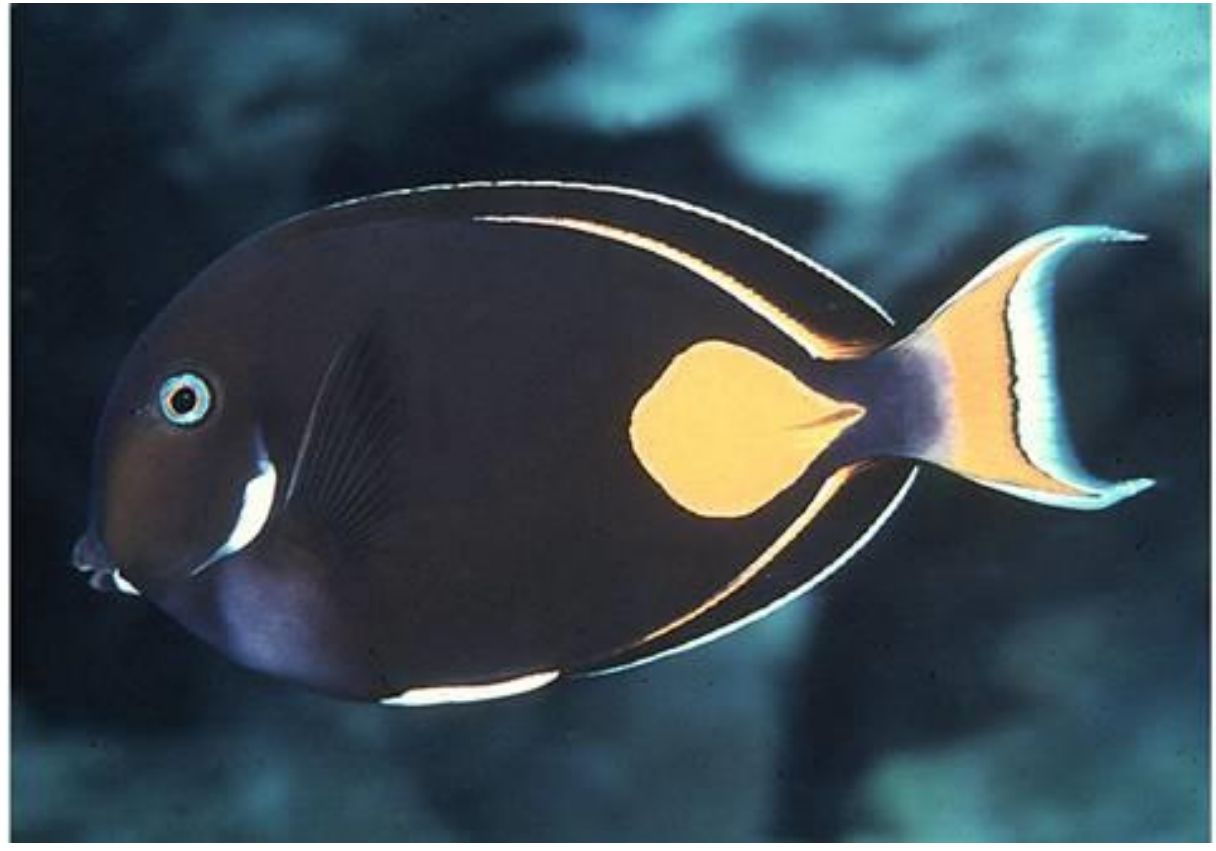
The following books are also excellent resources and are normally made available for use during the Coral Reef Ecosystem Program's research cruises.

- J. E. Randall's *Reef and Shore Fishes of the South Pacific*
- R. F. Myers' *Micronesian Reef Fishes*
- Allen, Steene, Humann and DeLoach's *Reef Fish Identification: Tropical Pacific*.

Abudefduf sordidus

ABSO 24cm

Abudefduf vaigiensis
ABVA 20cm



Acanthurus achilles
ACAC 25cm

Acanthurus albipectoralis
ACAL 33cm

Acanthurus blochii

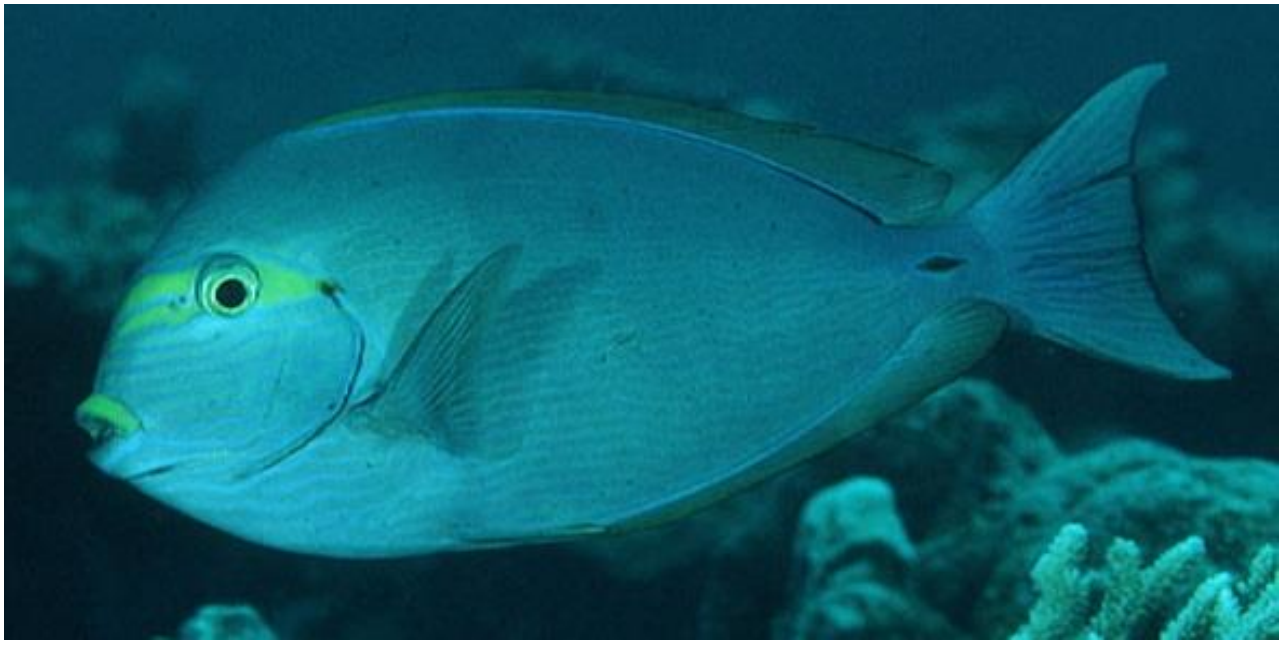
ACBL 43cm

Acanthurus lineatus

ACLI 38cm

Acanthurus leucocheilus
ACLU 20cm

Acanthurus maculiceps
ACMA 41 cm



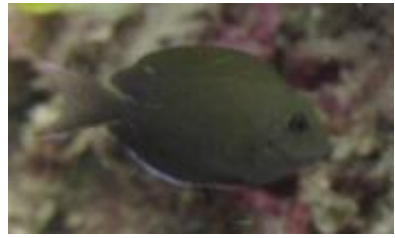
Acanthurus mata

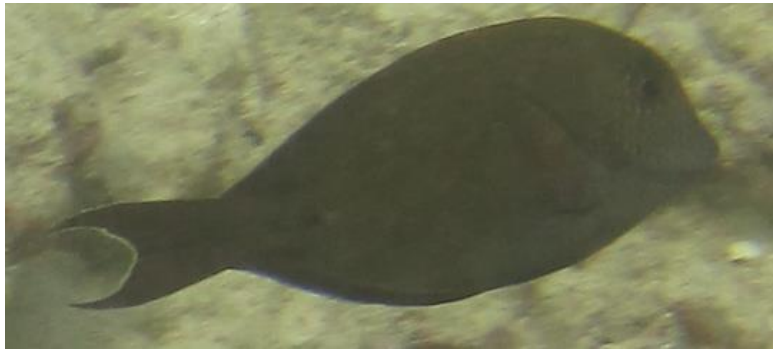
AC**MT** 50 cm

Acanthurus nigricans

AC**NC** 23cm

Acanthurus nigricauda
ACNI 40cm





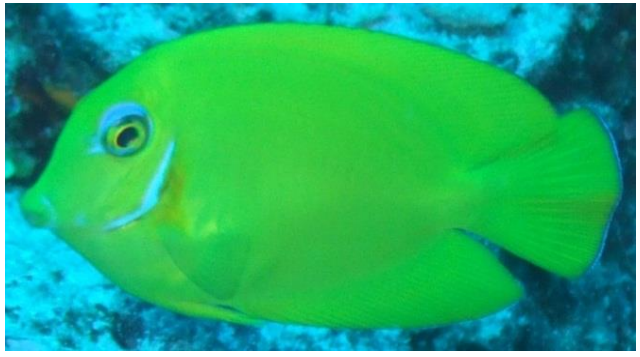
Acanthurus nigrofuscus

AC**NF** 23cm

Acanthurus nigroris

AC**NR** 25cm

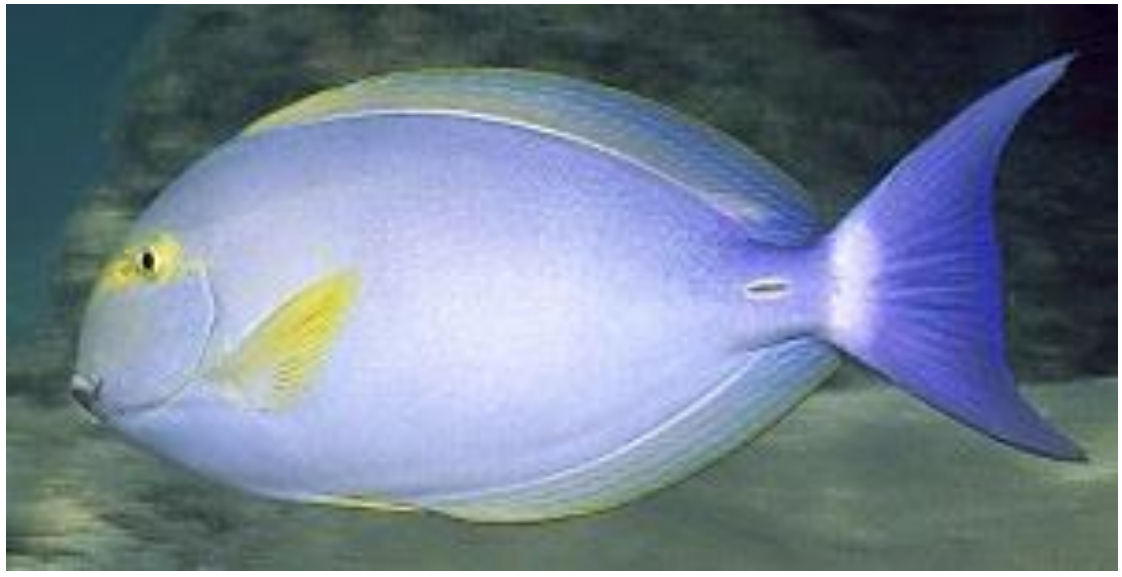
Acanthurus olivaceus
ACOL 30cm



Acanthurus pyroferus
ACPY 25cm

Acanthurus thompsoni
ACTH 28cm

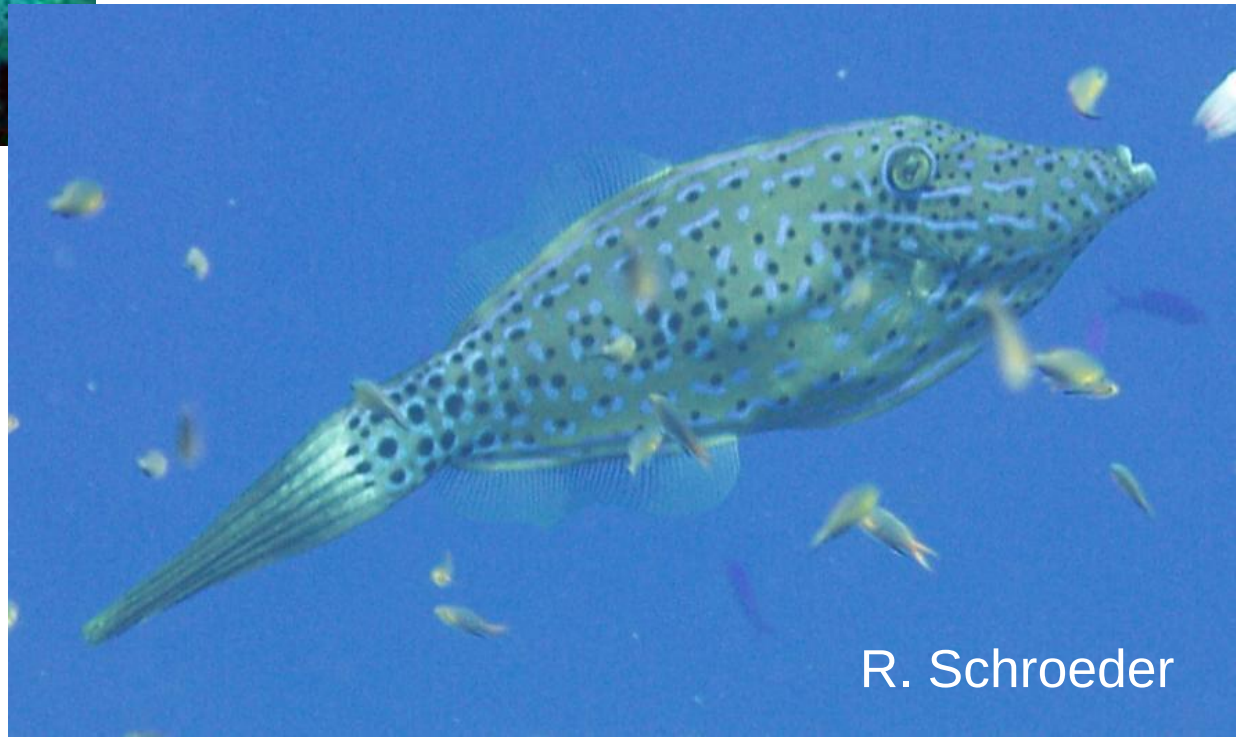
Acanthurus triostegus
ACTR 26cm



Acanthurus xanthopterus

ACXA 65cm

Aetobatus narinari
AENA 230cm

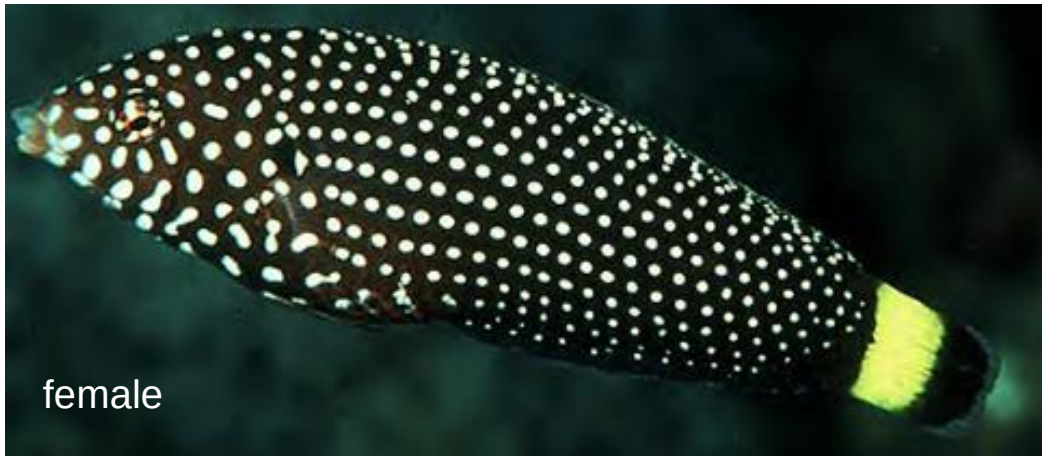


Aluterus scriptus
ALSC 76cm

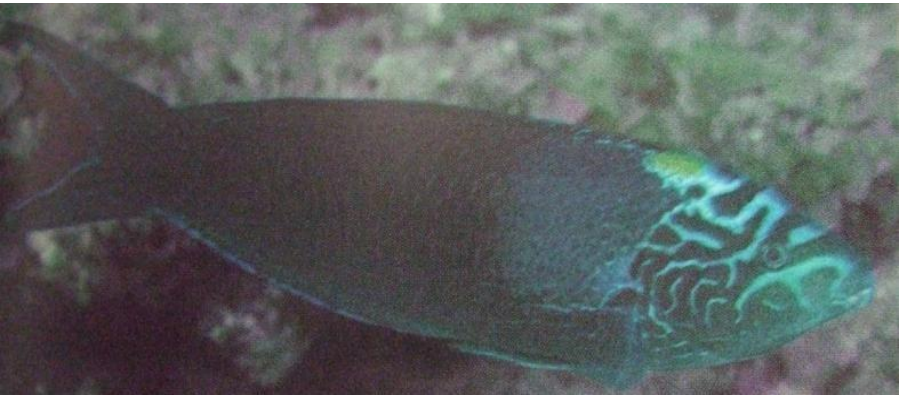
Amanses scopas
AMSC 20cm

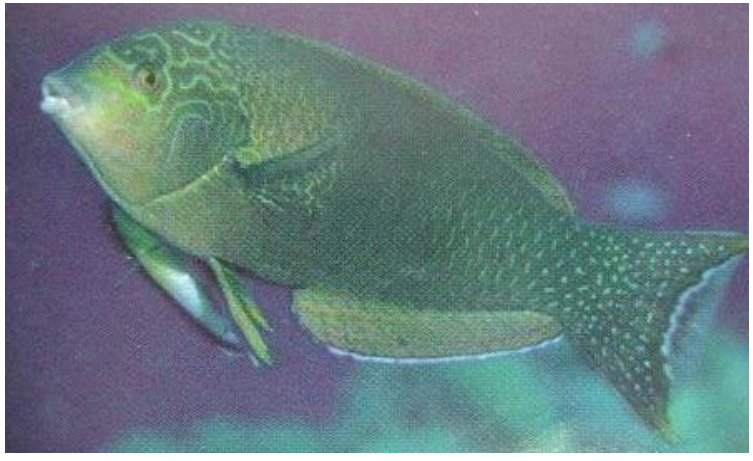
Anampses caeruleopunctatus

ANCA 42cm



Anampses melanurus
ANME 12cm

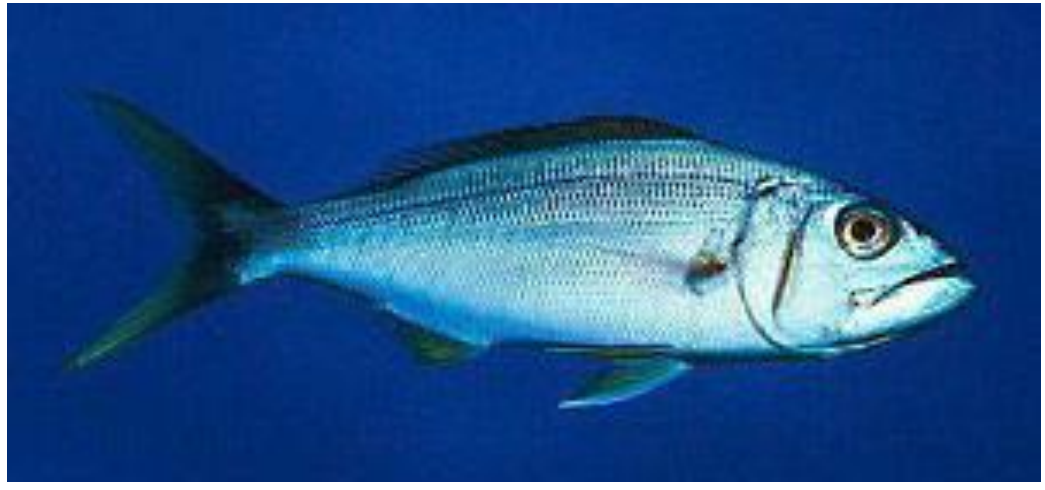




Anampses meleagrides

AN**MG** 22cm

Anampses twistii
ANTW 18cm



Aphareus furca
APFU 70cm

Apogon angustus
APAN 9cm

Apogon apogonides
APAP 10 cm

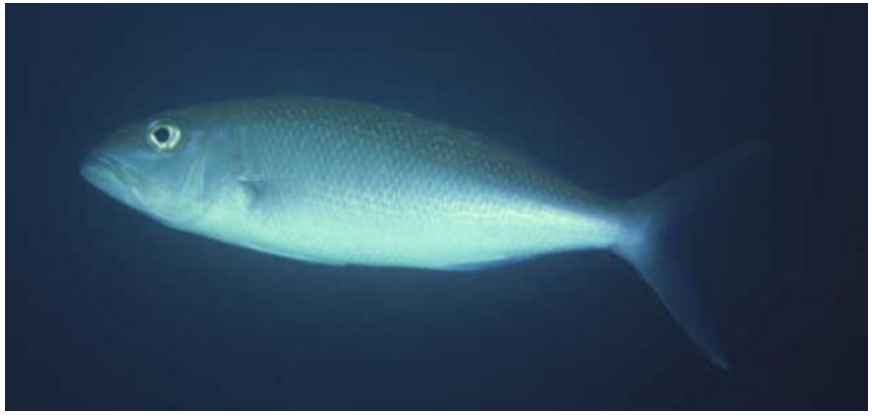
Apogon trimaculatus

AP**TM** 15cm

Apolemichthys griffisi
APGR 25cm

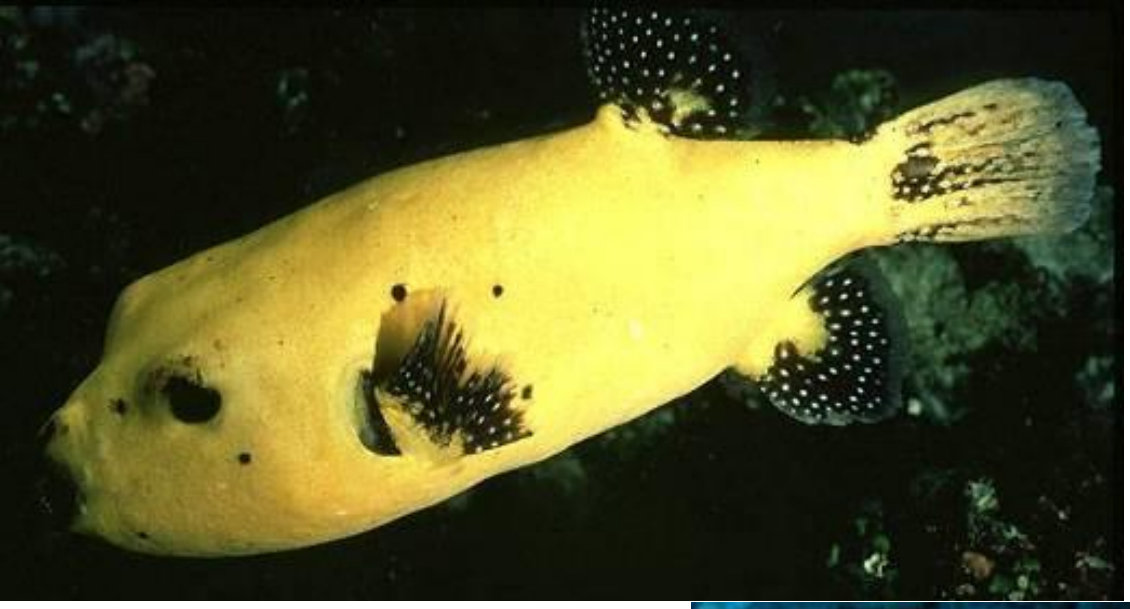
Apolemichthys xanthopunctatus

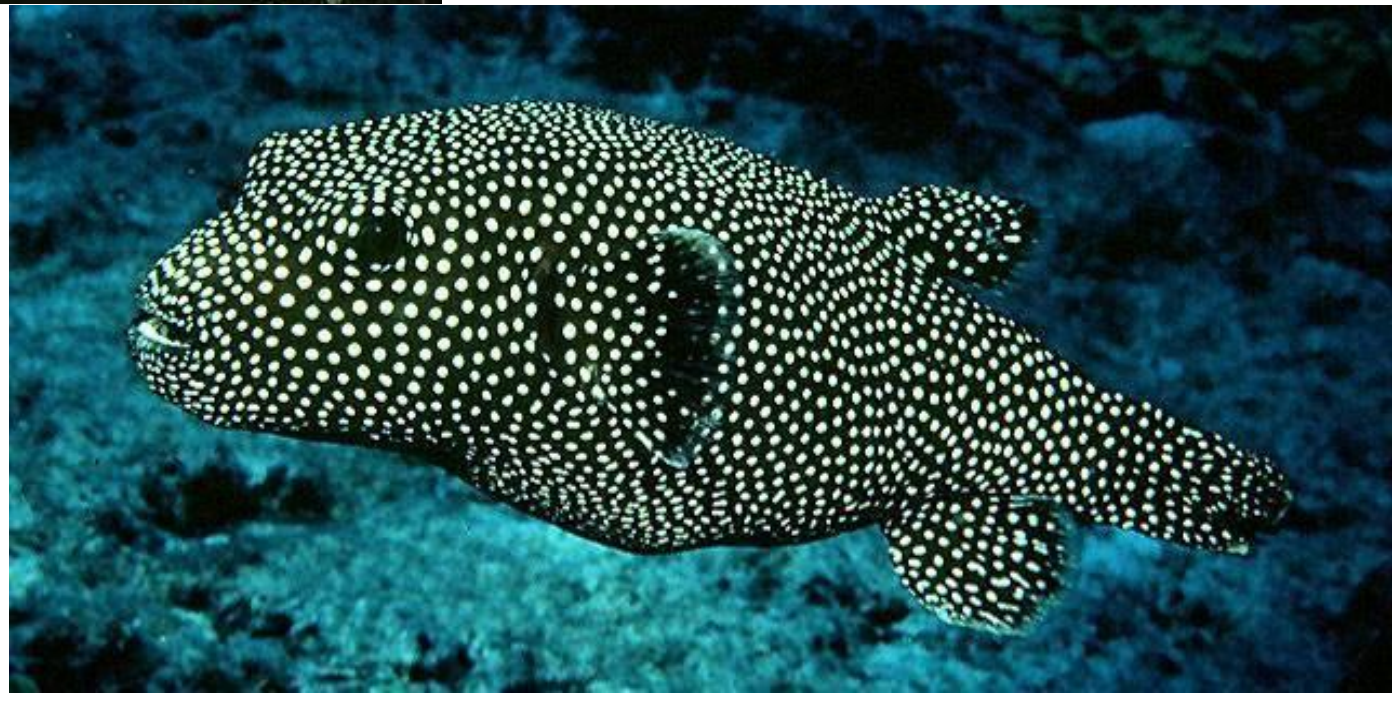
APXA 25cm



Aprion virescens

APVI 110cm





Arothron meleagris
ARME 34cm

Aulostomus chinensis
AUCH 76cm

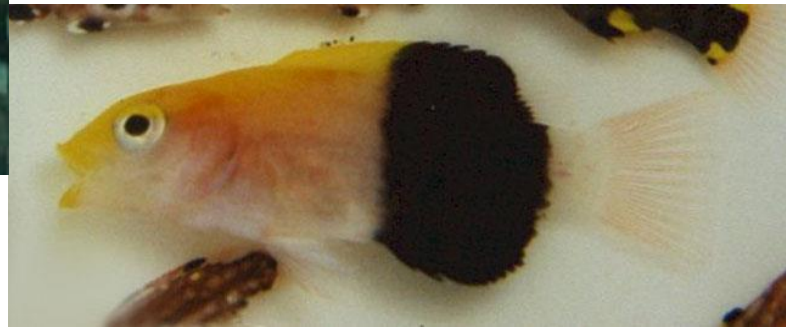
Balistapus undulatus
BAUN 30cm

Balistoides viridescens

BAVI 75cm

Bodianus axillaris

BOAX 20cm



Bodianus loxozonus

BOLO 40cm

Bodianus prognathus
BOPR 20cm

Bothus mancus
BOMA 45 cm

Caesio caerulaurea

CA**CE** 29cm

Caesio teres
CATE 40cm

Calotomus carolinus
CACA 50cm

Cantherhines dumerilii
CADU 38cm

Cantherhines pardalis
CAPA 25cm

Canthigaster amboinensis
CAAM 14cm

Canthigaster solandri
CASO 11cm

Canthigaster valentini
CAVA 9cm

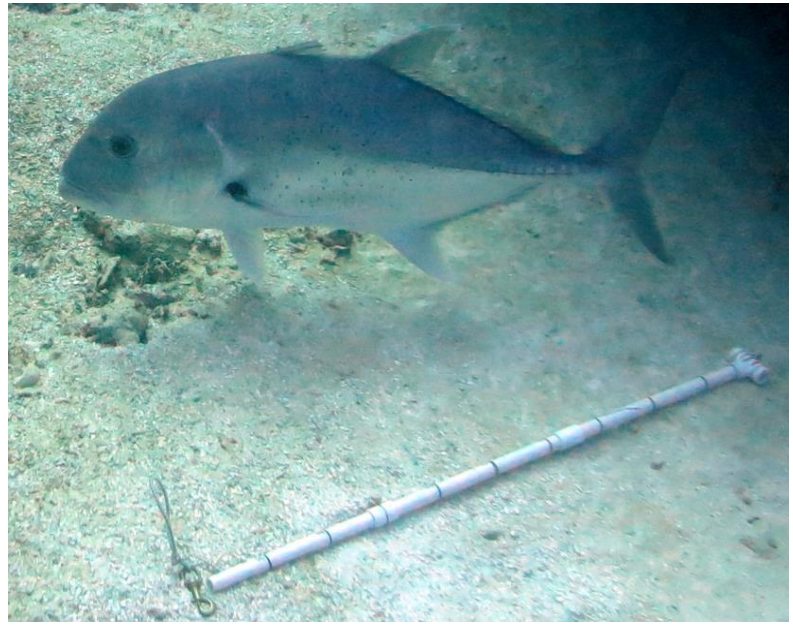
Caracanthus maculatus

CA**MC** 5cm

Carangoides ferdau
CAFE 53cm

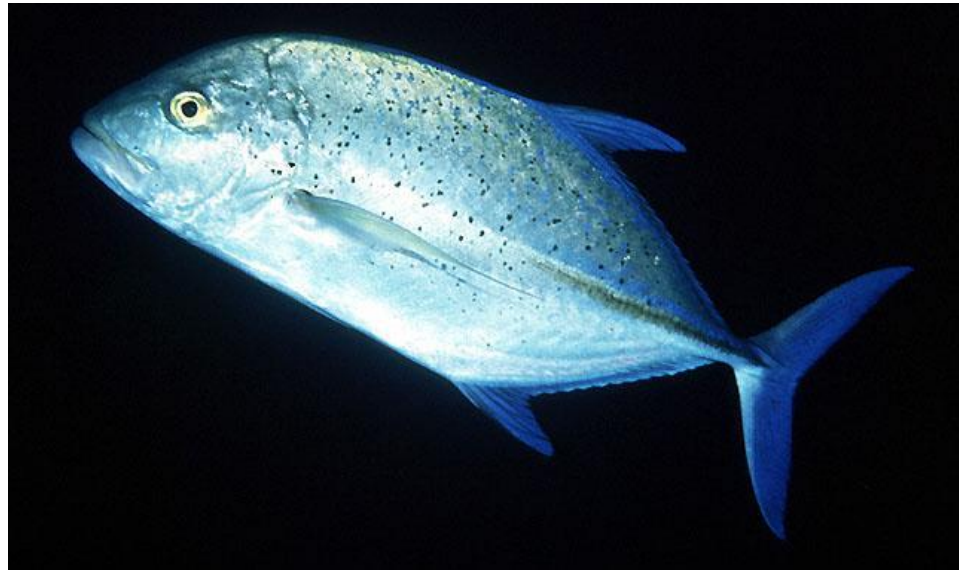
Carangoides orthogrammus

CAOR 70cm



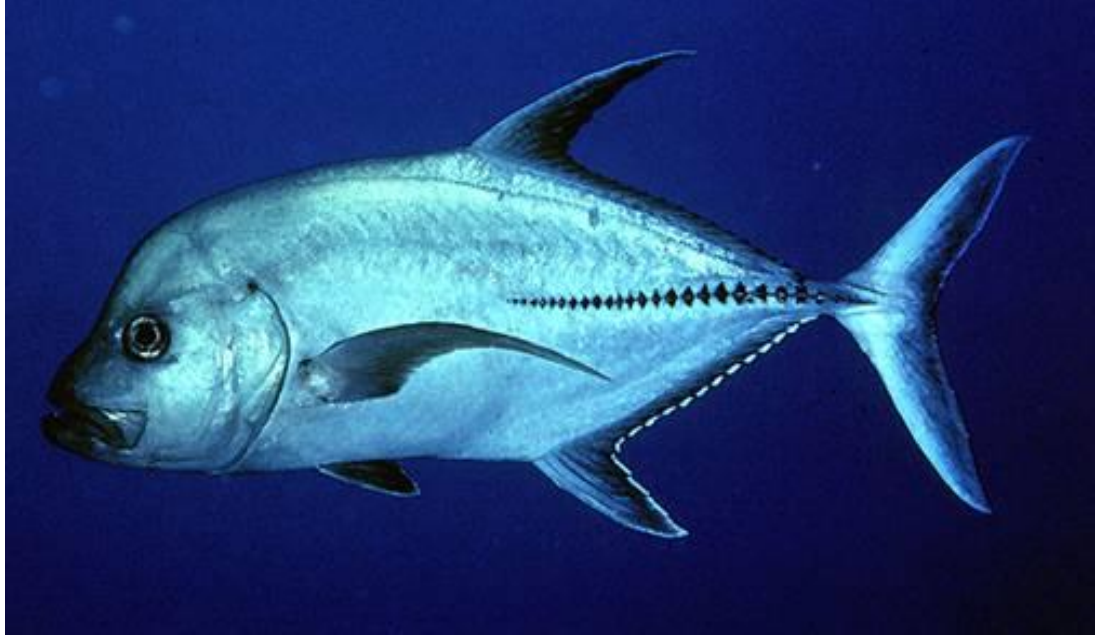
Caranx ignobilis

CAIG 165cm



Caranx melampygus

CAME 100cm



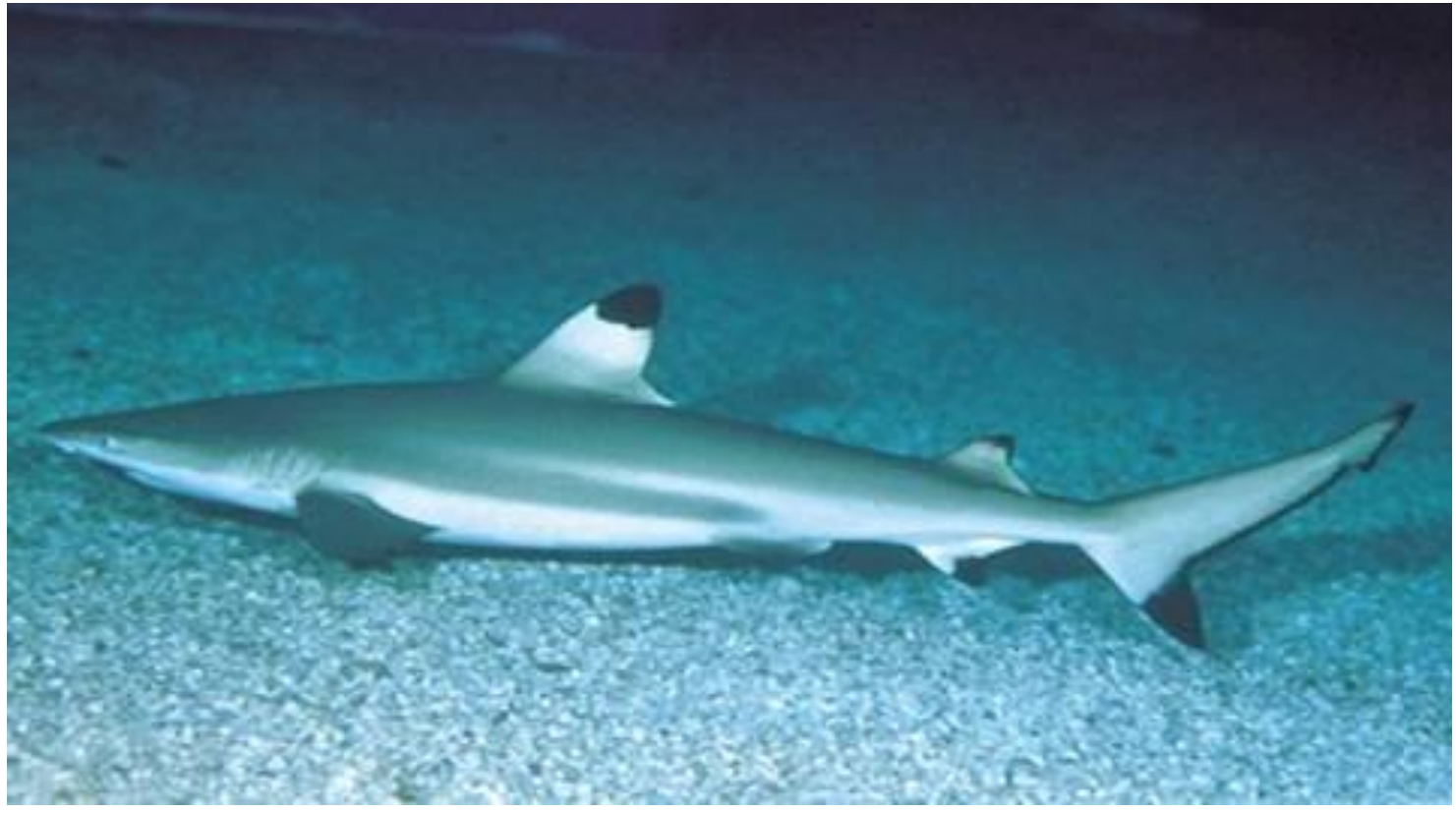
Caranx lugubris

CALU 100cm

Caranx sexfasciatus
CASE 100cm

Carcharhinus amblyrhynchos

CA**AB** 180cm



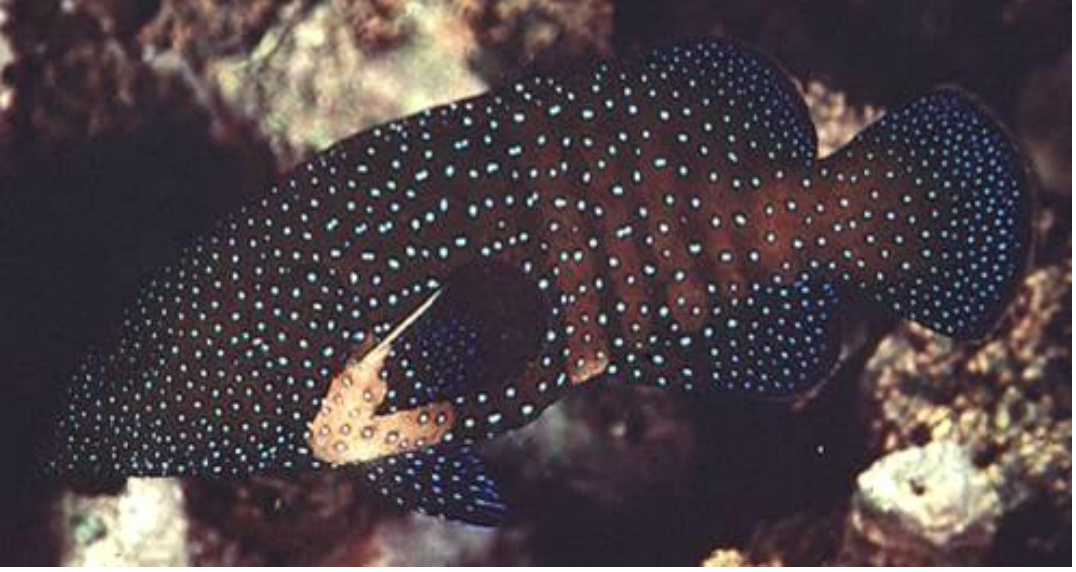
Carcharhinus melanopterus

CA**ML** 180cm

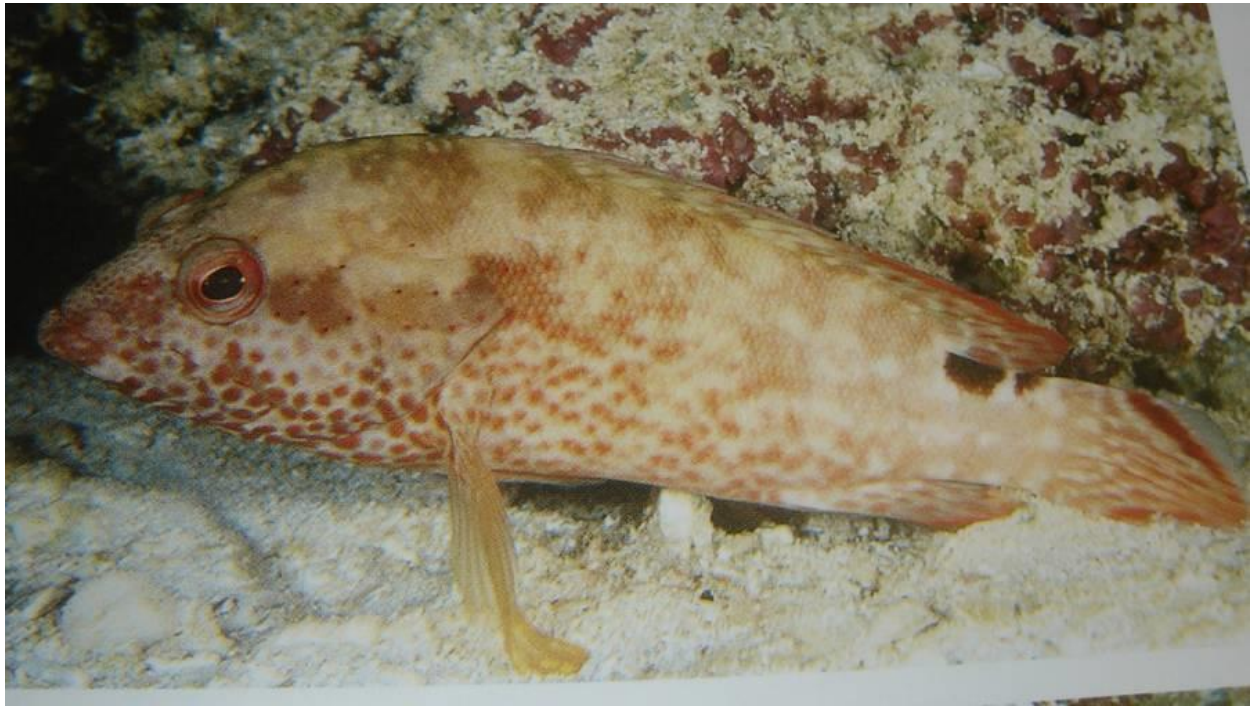
Centropyge fisheri
CEFI 6 cm

Centropyge flavissima
CEFL 14cm

Centropyge loricula
CELO 10cm



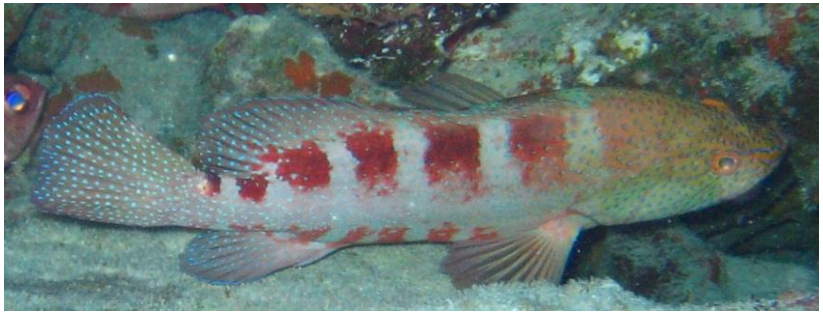
Cephalopholis argus
CEAR 60cm



Cephalopholis leopardus
CELE 20cm

Cephalopholis miniata

CEMI 45cm



Cephalopholis sexmaculata

CE**SX** 50 cm

Cephalopholis urodeta
CEUR 28cm

Chaetodon auriga
CHAU 23cm

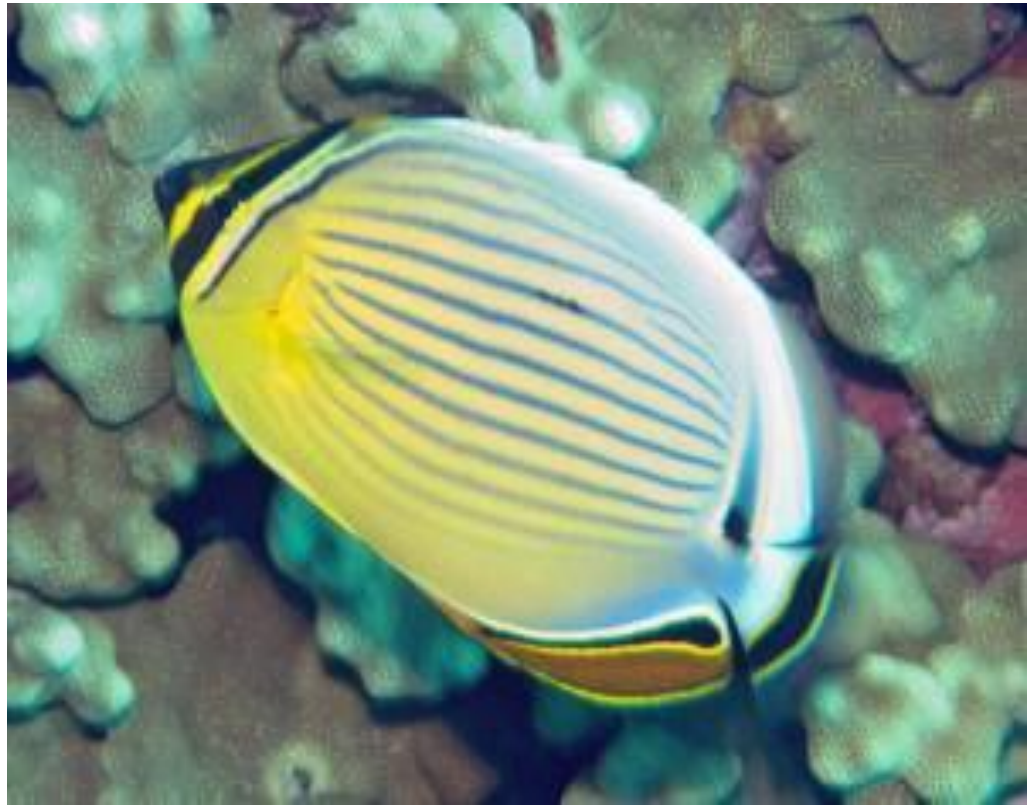
Chaetodon bennetti
CHBE 18cm

Chaetodon citrinellus
CHCI 13cm

Chaetodon ephippium
CHEP 23cm

Chaetodon kleinii
CHKL　14cm

Chaetodon lunula
CHLU 20cm



Chaetodon lunulatus

CH**LT** 14cm

Chaetodon meyeri
CHME 18cm

Chaetodon ornatissimus
CHOR 20cm

Chaetodon pelewensis

CH**PW** 13cm

Chaetodon punctatofasciatus
CHPU 12cm

Chaetodon quadrimaculatus
CHQU 15cm

Chaetodon reticulatus
CHRE 18cm

Chaetodon semeion

CHSE 24cm

Chaetodon trifascialis

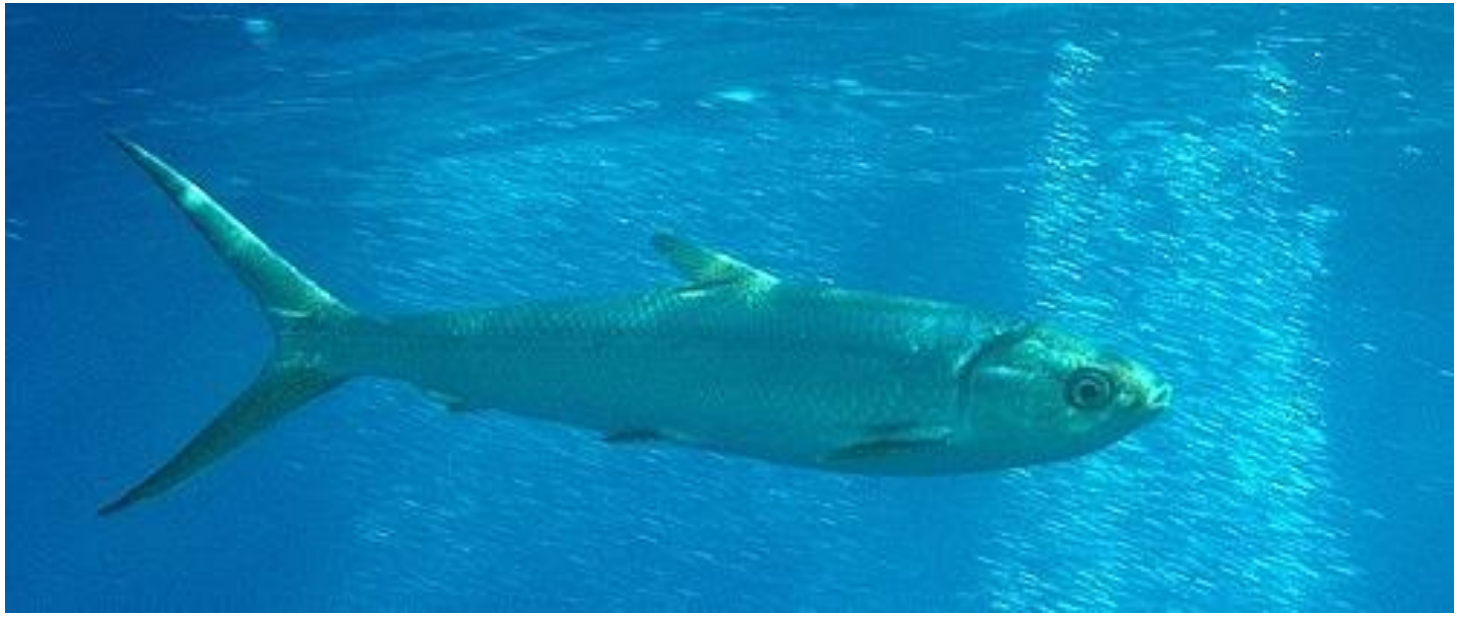
CHTR 18cm

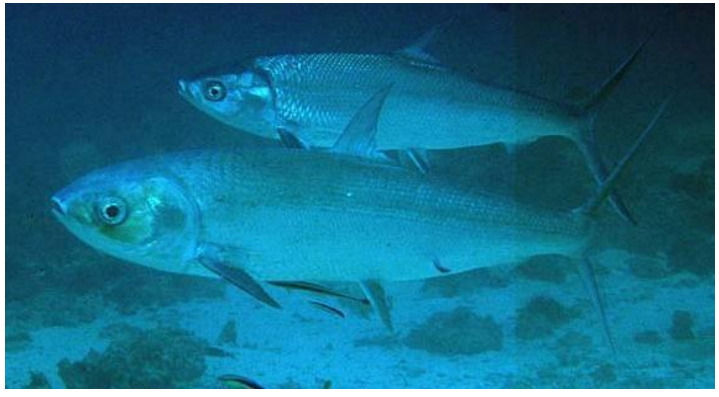
Chaetodon ulietensis
CHUL 15cm

Chaetodon unimaculatus
CHUN 20

Chaetodon vagabundus

CH**VG** 23cm





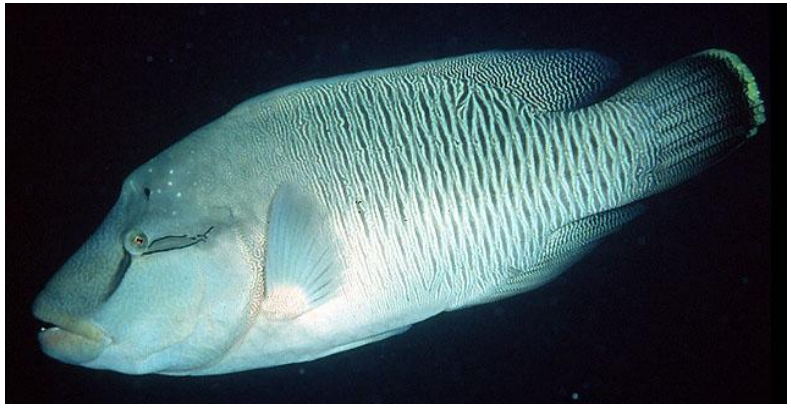
Chanos chanos

CHCH 180 cm

Cheilinus oxycephalus
CHOX 17cm

Cheilinus trilobatus

CH**TL** 45cm



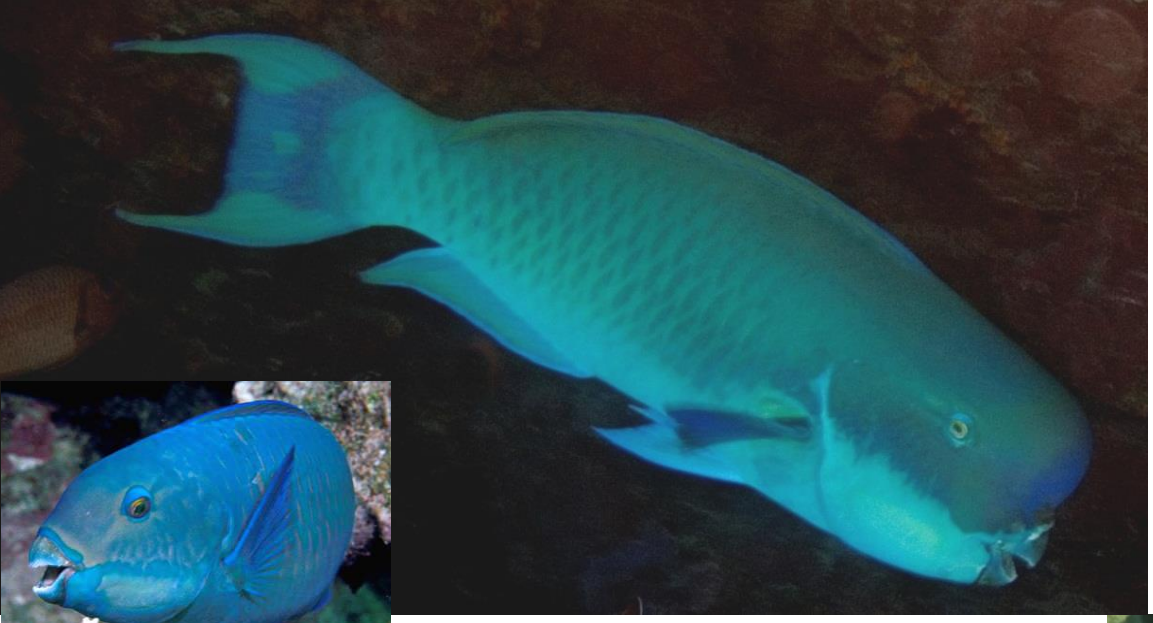
Cheilinus undulatus

CHUD 229 cm

Cheilodipterus quinquelineatus
CH**QN**

Chlorurus frontalis

CH**FN** 50cm



Chlorurus microrhinos

CH**MC** 80cm

Chlorurus sordidus
CHSO 40cm

Chromis acares
CHAC 6cm

Chromis agilis
CHAG 11cm

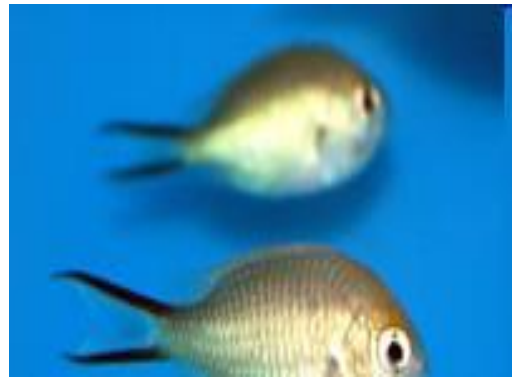
Chromis amboinensis

CHAM 9cm

Chromis atripes
CHAT 7cm

Chromis leidolepis
CHLE 8cm

Chromis margaritifer
CHMA 8cm



Chromis ternatensis

CHTE 8cm

Chromis vanderbilti
CHVA 15cm

Chromis viridis

CH**VR** 8cm

Chromis xanthura
CHXA 15cm

Chrysiptera biocellata
CHBI 7cm

Chrysiptera cyanea
CHCY 8cm

Chrysiptera taupou
CHTA 8cm

Cirrihilabrus exquisitus
CIEX 12cm

Cirrhilabrus katherinae

CIKA 7cm

Cirrhitichthys oxycephalus

CIOX 10cm

Cirrhitops hubbardi
CIHU 7.5cm

Cirrhitus pinnulatus
CIPI 30cm

Cirripectes variolosus

C**IVR** 8cm

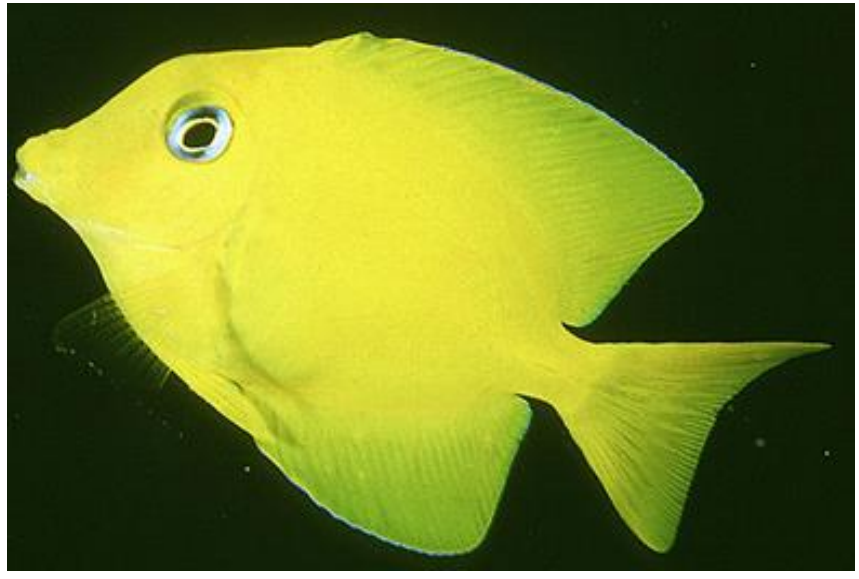
Coris aygula
COAY 55cm

Coris centralis
COCE 10cm

Coris gaimard
COGA 38cm

Ctenochaetus binotatus
CTBI 22cm

Ctenochaetus cyanocheilus
CTCY 20cm

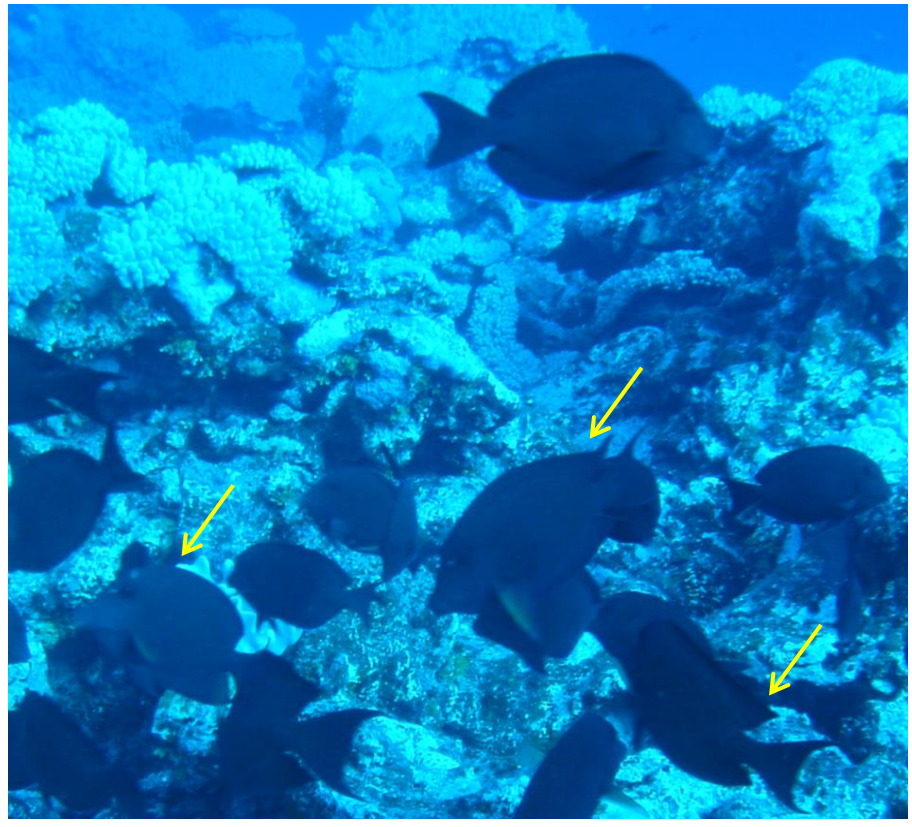


Ctenochaetus flavicauda
CTFL 13cm

Ctenochaetus hawaiiensis

CTHA 25 cm

Ctenochaetus marginatus
CTMA 22cm



Ctenochaetus striatus

CT**SR** 28cm

Dascyllus aruanus
DAAR 8cm

Dascyllus auripinnis
DAAU 14cm

Dascyllus trimaculatus
DATR 14cm

Ecsenius midas

ECMI 13cm

Elagatis bipinnulata
ELBI 180 cm

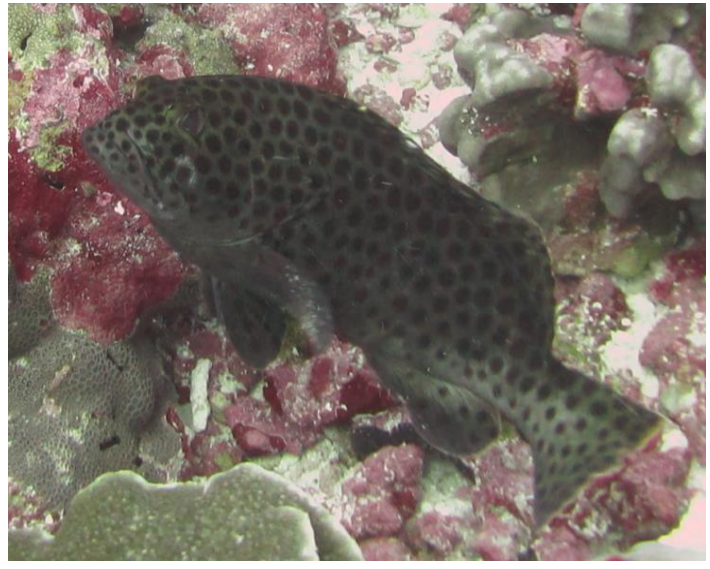
Epibulus insidiator

EPIN 35cm

Epinephelus fasciatus
EPFA 43cm

Epinephelus hexagonatus
EPHE 26cm

Epinephelus howlandi
EPHO 55cm



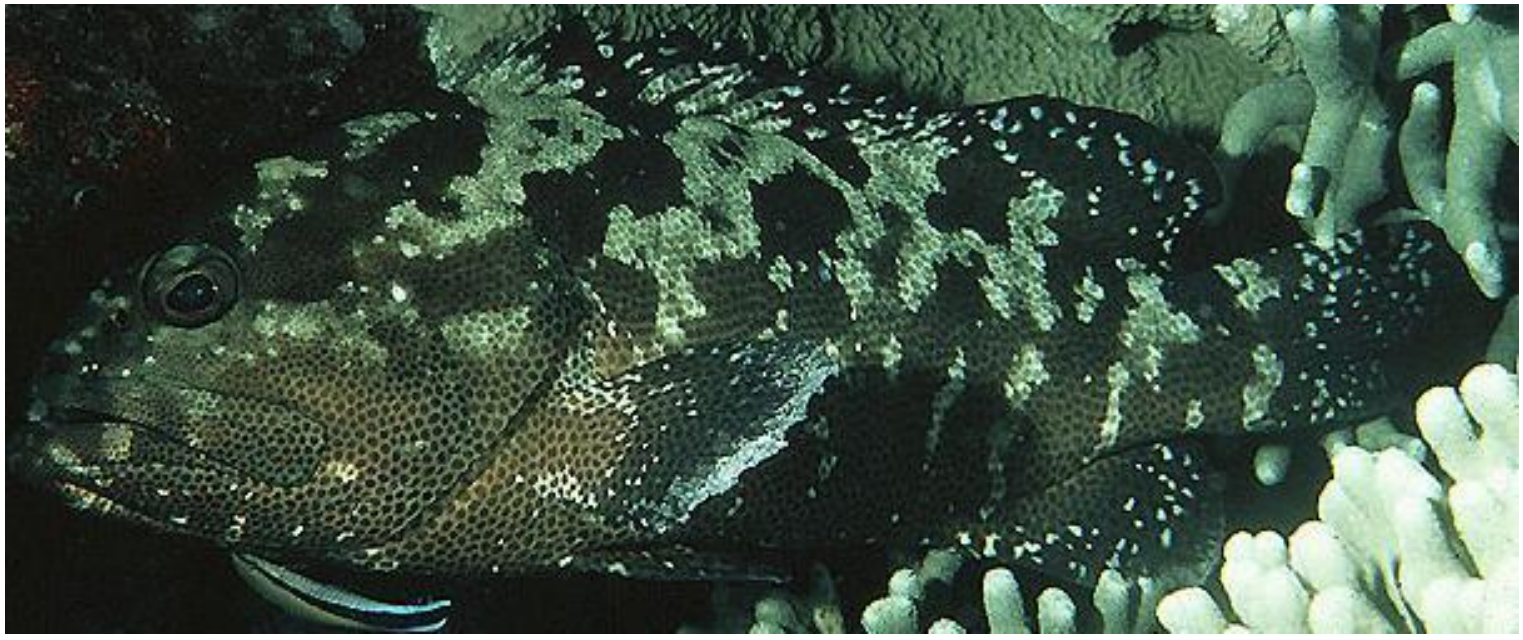
Epinephelus macrospilos
EPMC 51cm

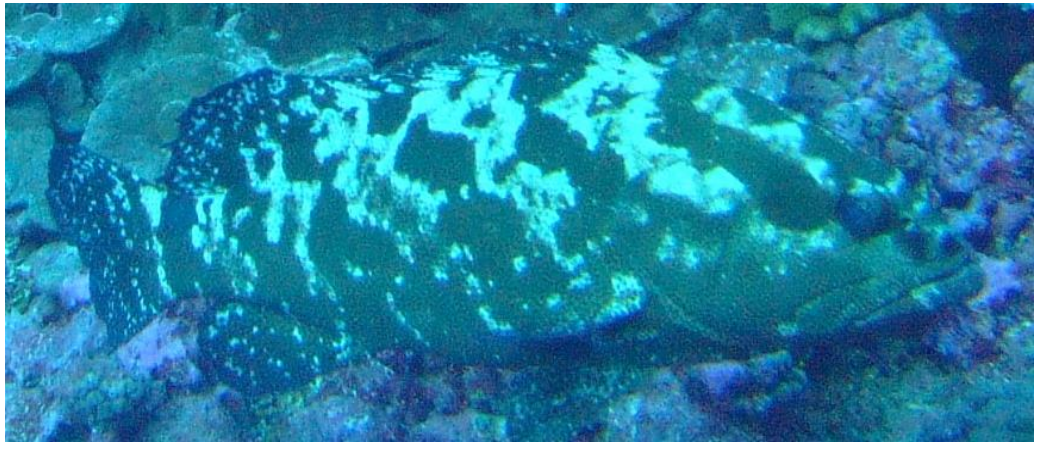
Epinephelus maculatus
EPMA 60cm

Epinephelus melanostigma

EP**ML** 33cm

Epinephelus merra
EPME 33cm





Epinephelus polyphekadion
EPPO 75cm

Epinephelus retouti
EPRE 47cm

Epinephelus socialis
EPSO 52cm

Epinephelus spilotoceps

EP**SL** 32cm

Epinephelus tauvina
EPTA 75 cm

Exallias brevis
EXBR 15cm

Forcipiger flavissimus
FOFL 19cm

Forcipiger longirostris
FOLO 22cm

Gnathodentex aureolineatus

GNAU 30cm

Juvenile

Gomphosus varius
GOVA 28cm

Gracila albomarginata
GRAL 50cm

Gymnosarda unicolor

GY**UC** 220cm

Gymnothorax breedeni
GYBR 75cm

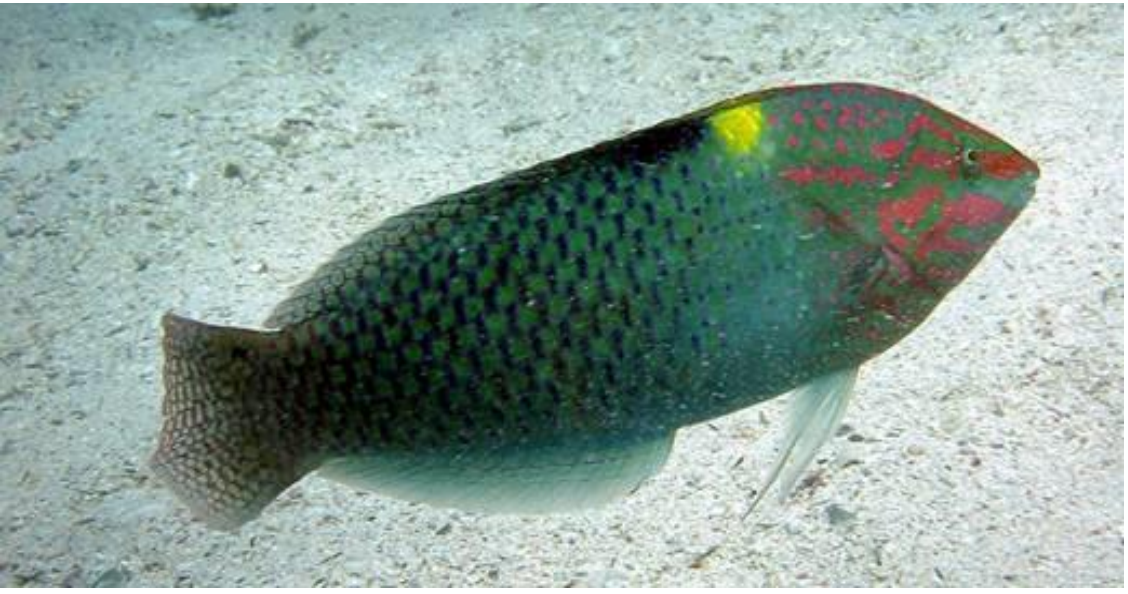
Gymnothorax flavimarginatus
GYFL 150cm

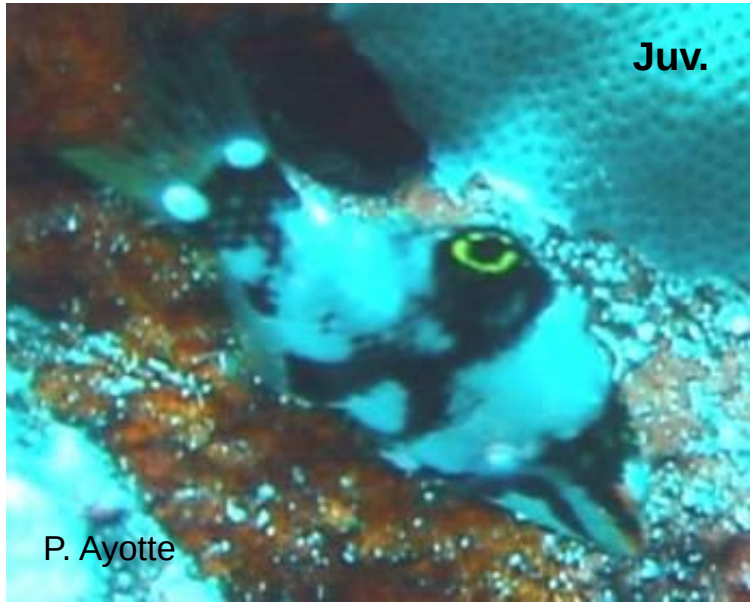
Gymnothorax javanicus
GYJA 245cm

Gymnothorax meleagris
GYME 100 cm

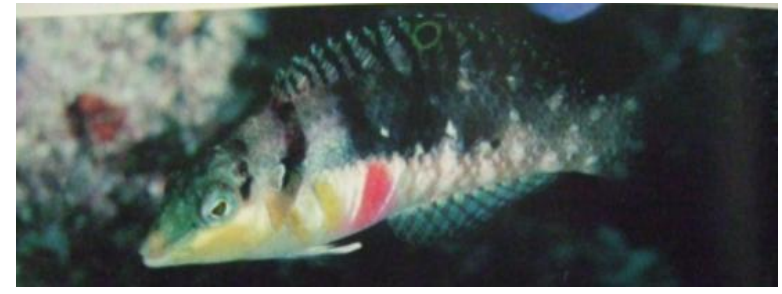
Halichoeres biocellatus

HABI 12cm





Halichoeres hortulanus
HAHO 27cm



Halichoeres margaritaceus

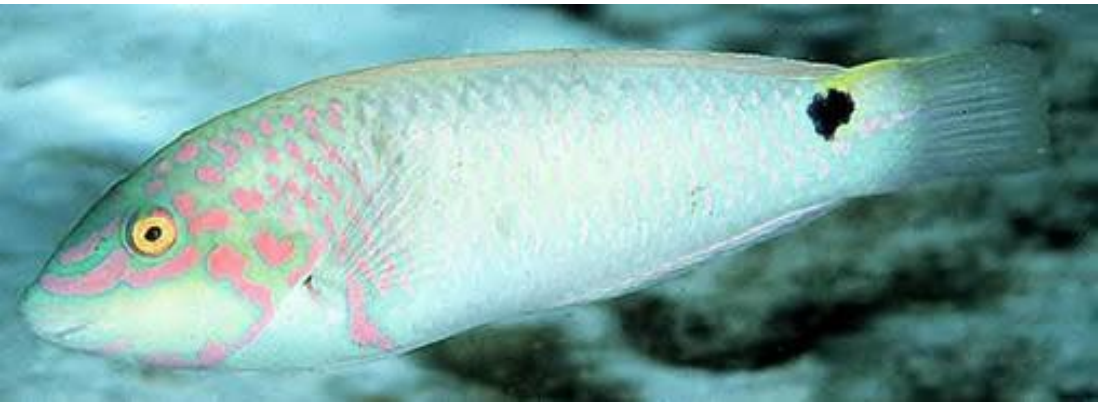
HA**MT** 13cm

Halichoeres melasmapomus
HAME 14cm

Halichoeres ornatissimus

HAOR 15cm

Halichoeres pallidus
HAPA 8cm



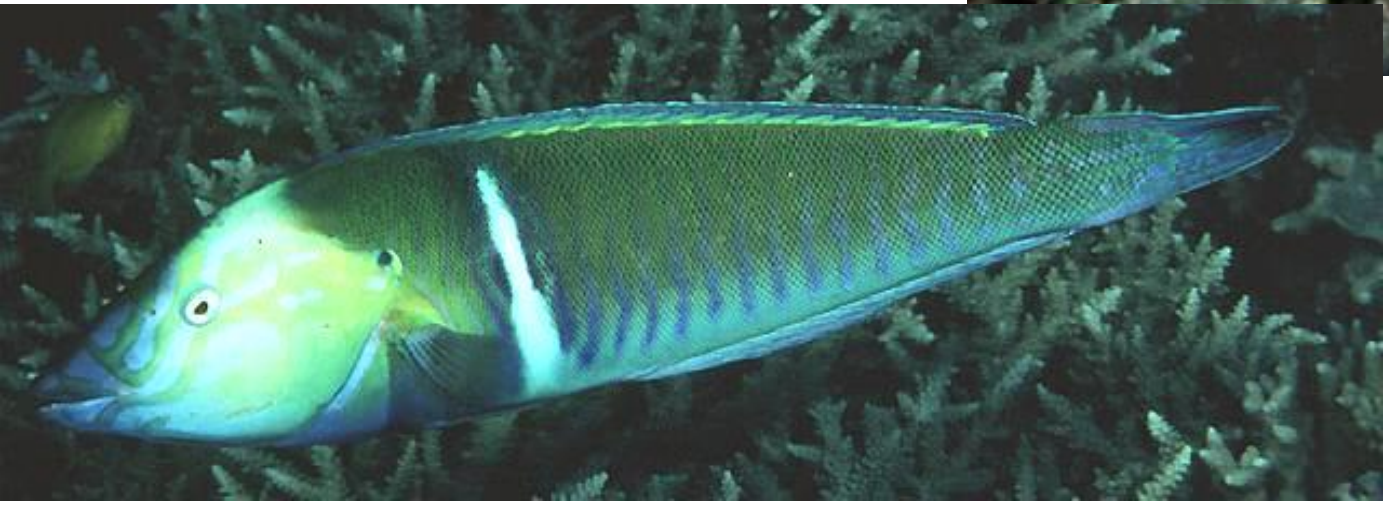
Halichoeres trimaculatus

HATR 27cm

Hemigymnus fasciatus
HEFA 50cm

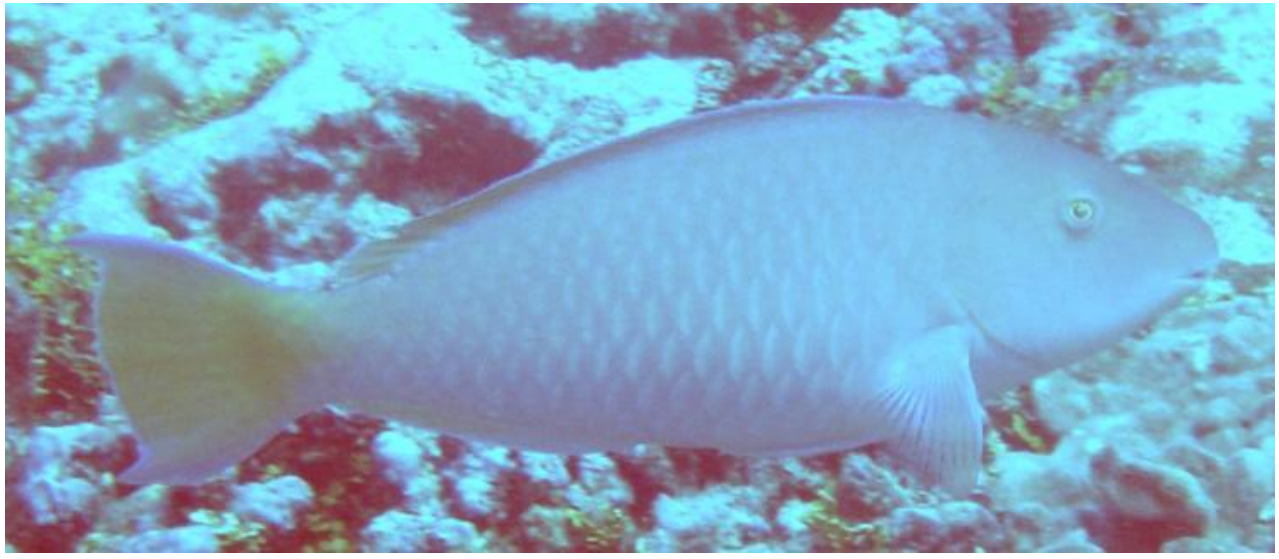
Hemitaurichthys thompsoni
HETH 21cm

Heteropriacanthus cruentatus
HECR 32cm



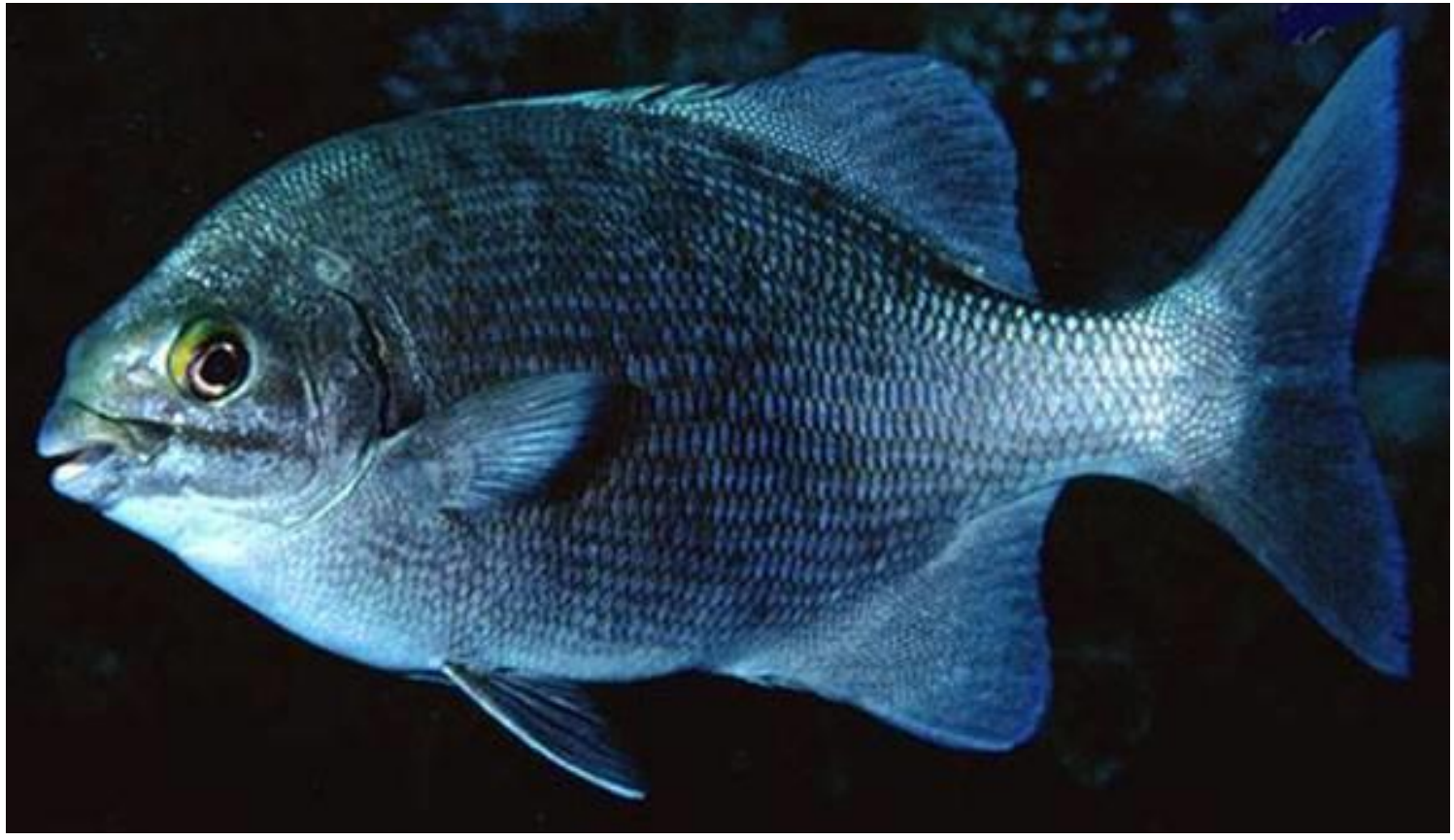
Hologymnosus doliatus

HODO 40cm



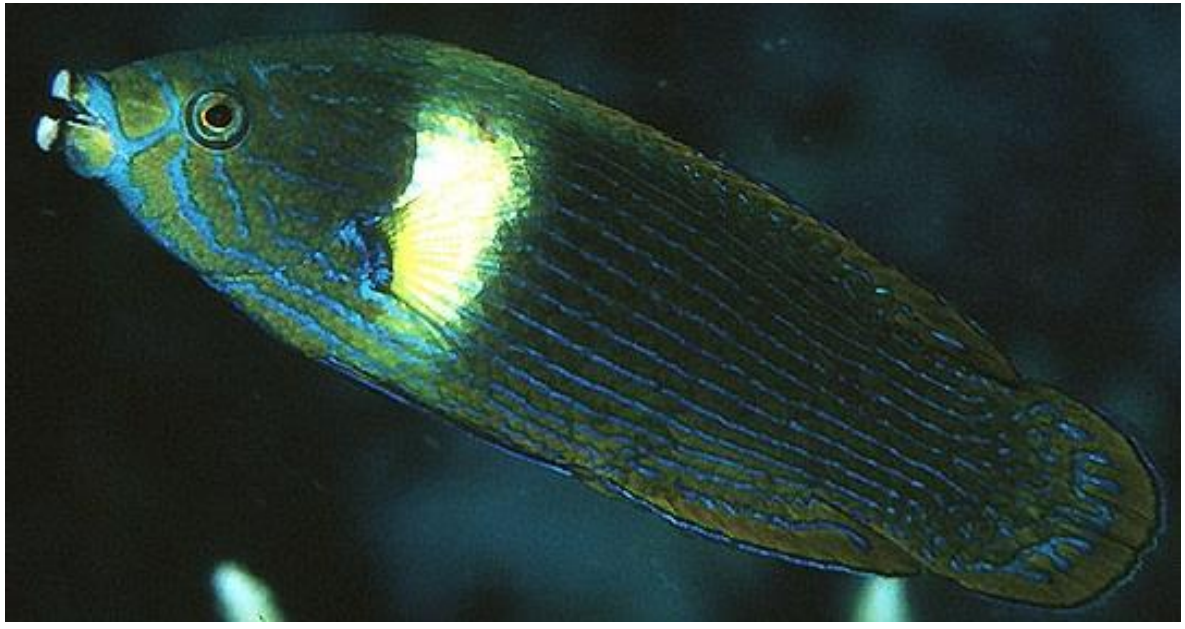
Hipposcarus longiceps

HILO 60cm



Kyphosus cinerascens
KYCI 51cm

Kyphosus species
CHUB 75cm



Labrichthys unilineatus
LAUN 16cm

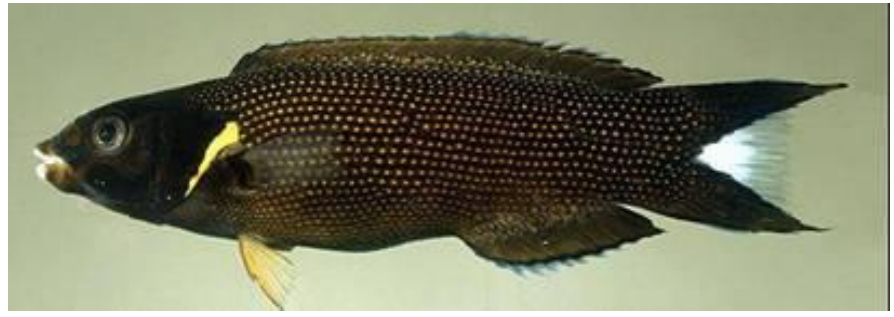
Labroides dimidiatus

LADI 12cm

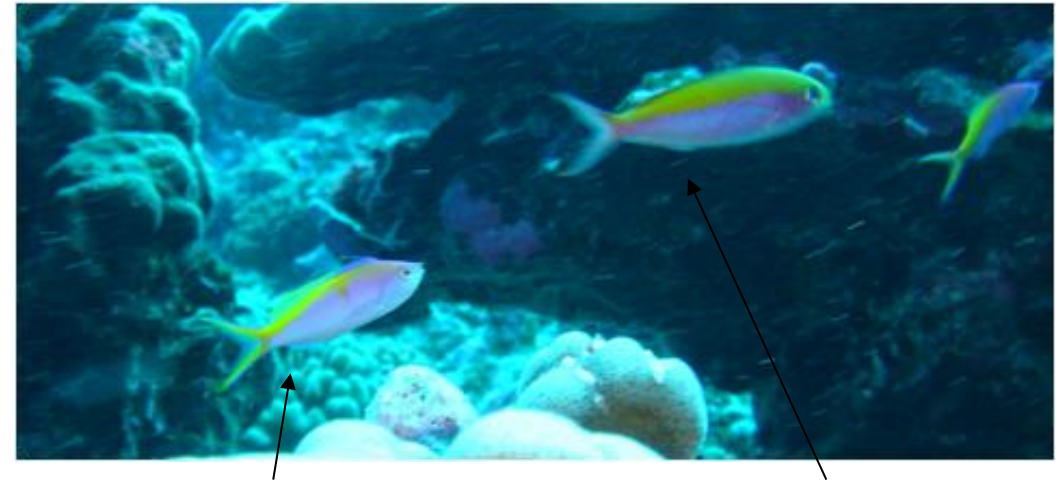
Labroides bicolor
LABI 14cm

Labroides rubrolabiatus

LARU 9cm



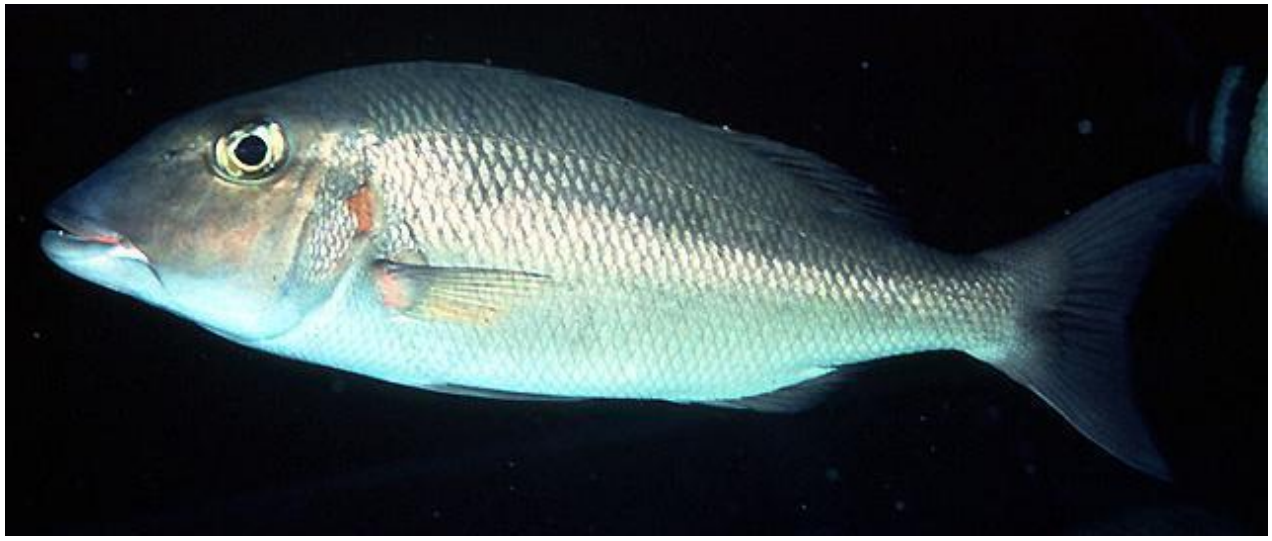
Labropsis xanthonota
LAXA 14cm



P. bartlettorum **L. tapeinosoma**

Lepidozygus tapeinosoma
LETA 9cm

Lethrinus olivaceus
LEOL 100cm



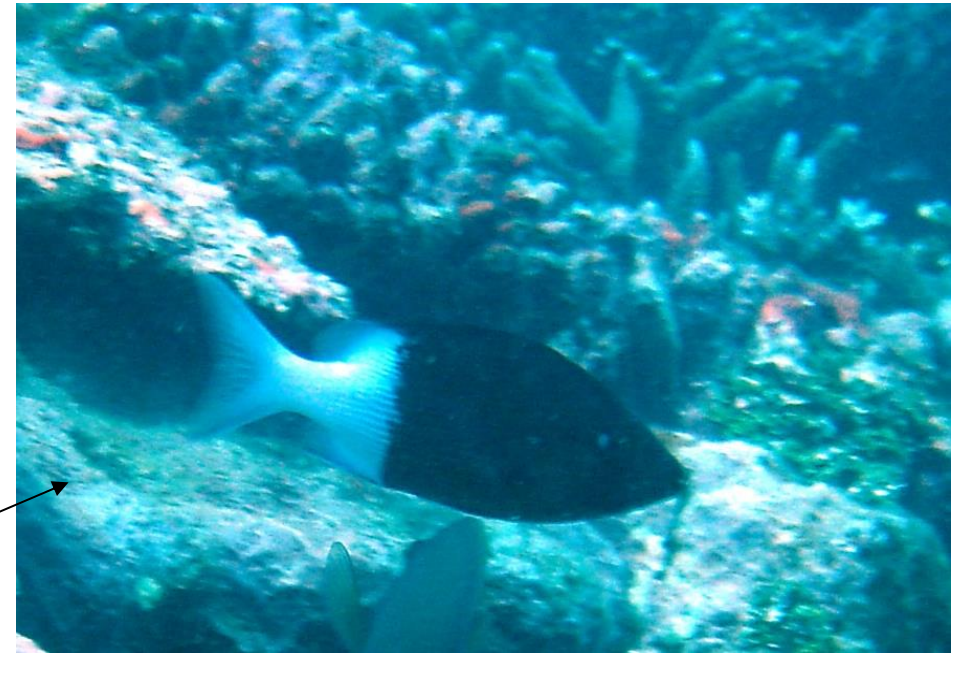
Lethrinus rubrioperculatus

LERU 50 cm

Lethrinus xanthochilus

LEXA 62cm

Lutjanus bohar
LUBO 83cm



Juv

Lutjanus fulvus
LUFU 43cm

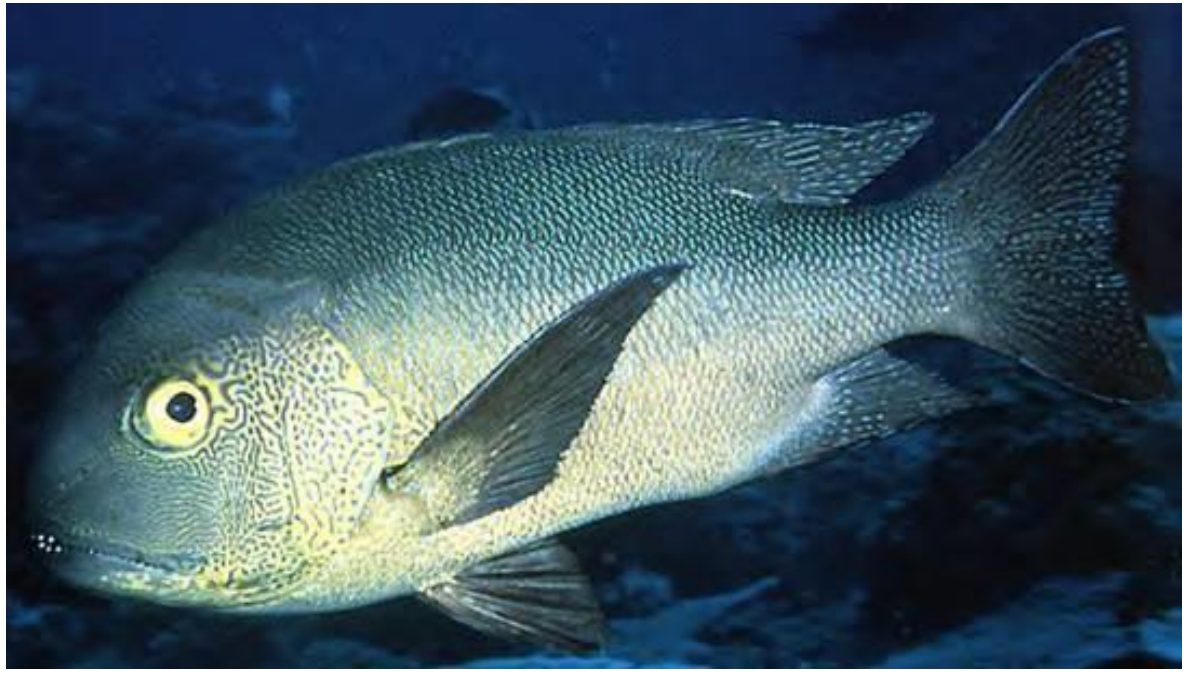
Lutjanus gibbus
LUGI 53cm

Lutjanus kasmira
LUKA 40cm

Lutjanus monostigma
LUMO 60cm

Luzonichthys whitleyi
LUWH 6cm

Manta birostris
MABI 200cm



Macolor macularis
MAMA 60cm

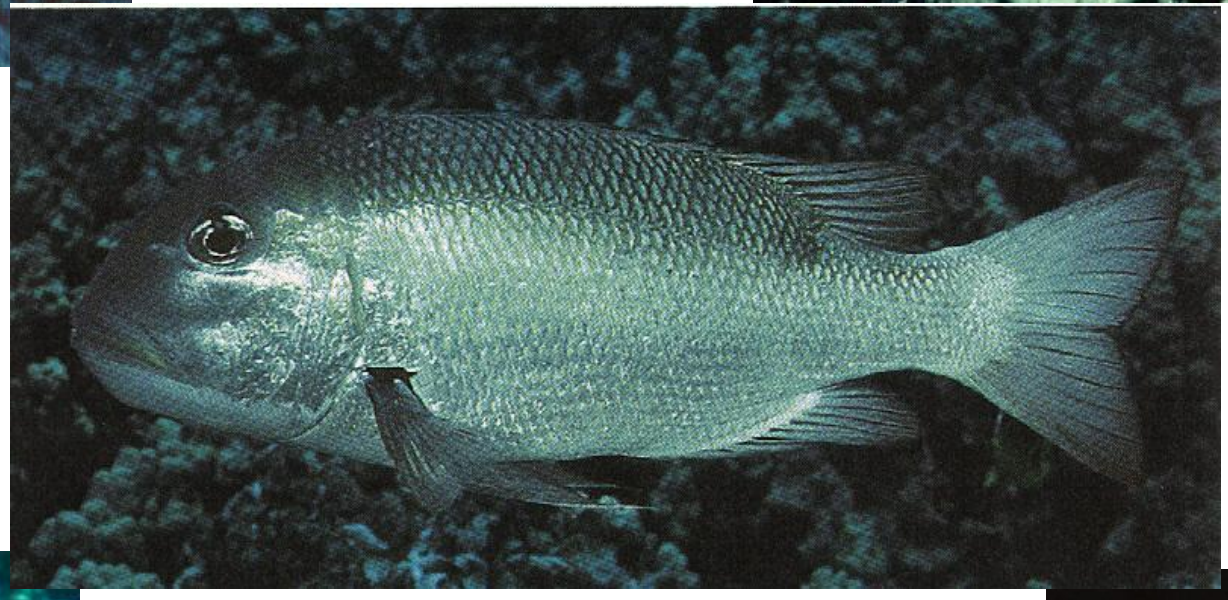
Macolor niger
MANI 75cm

Macropharyngodon meleagris
MAME 15cm

Malacanthus latovittatus
MALA 44cm

Melichthys niger
MENI 38cm

Melichthys vidua
MEVI 34cm

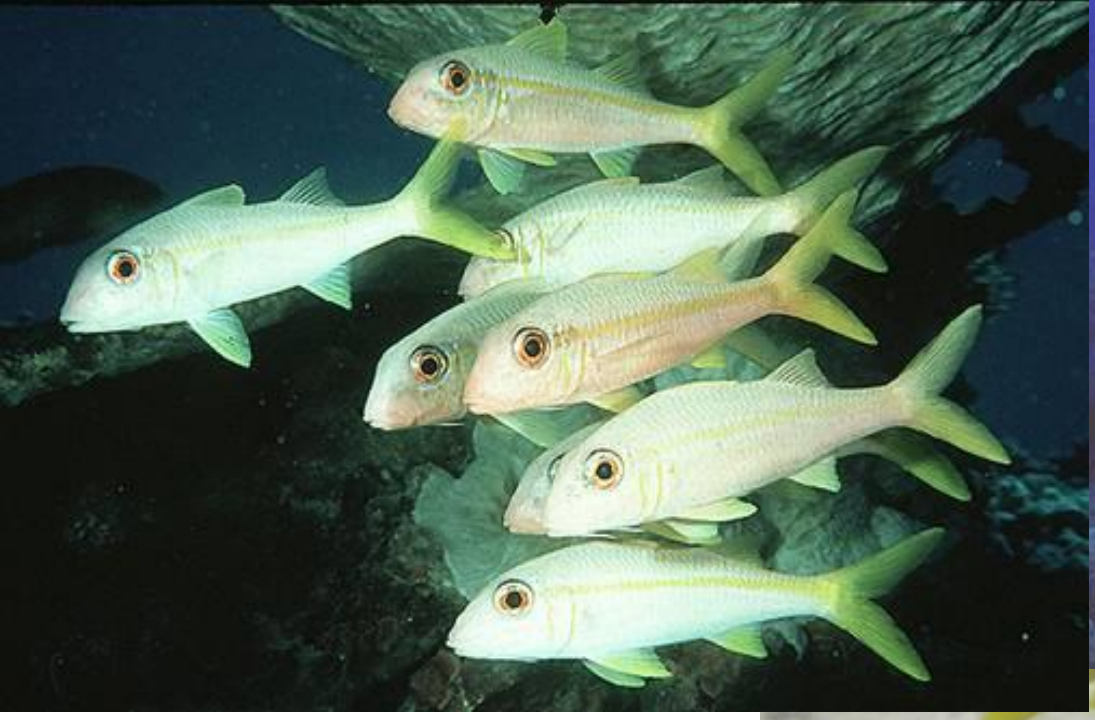


Monotaxis grandoculis

MOGR 63cm

Mulloidichthys flavolineatus
MUFL 40cm

Mulloidichthys mimicus
MUMI 30cm



Mulloidichthys vanicolensis

MUVA 38cm

Myripristis adusta
MYAD 32cm

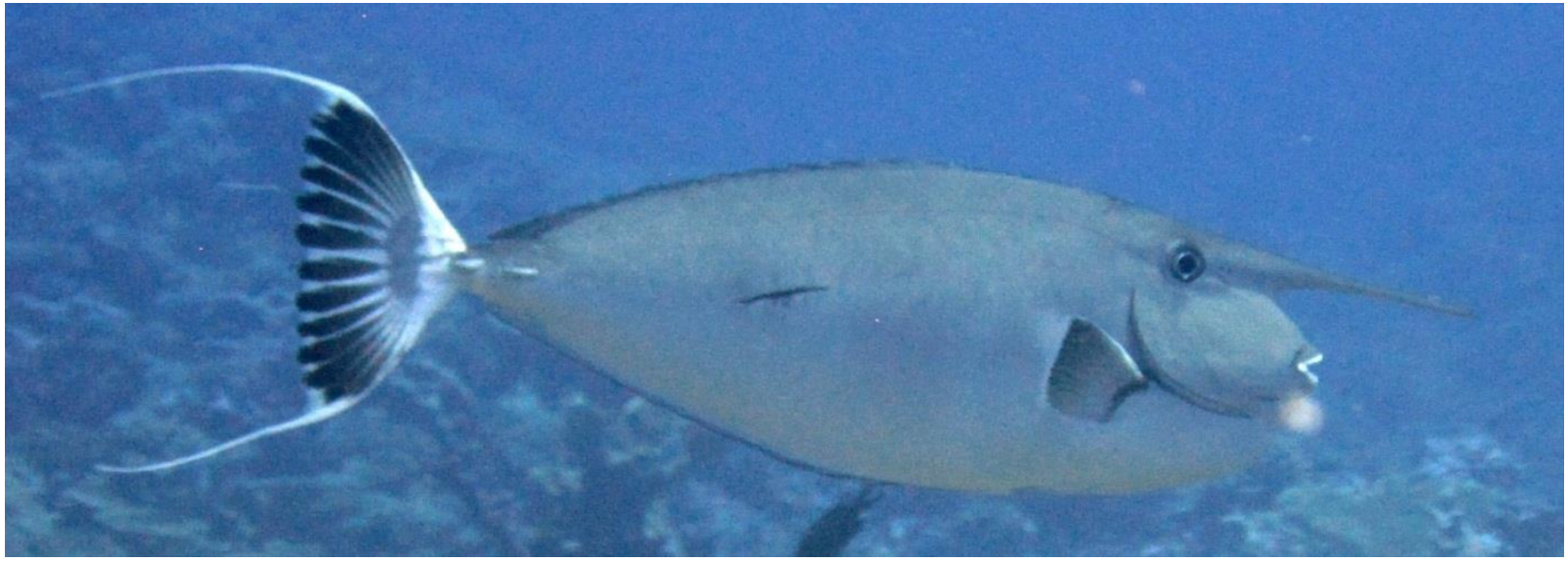
Myripristis amaena
MYAM 32cm

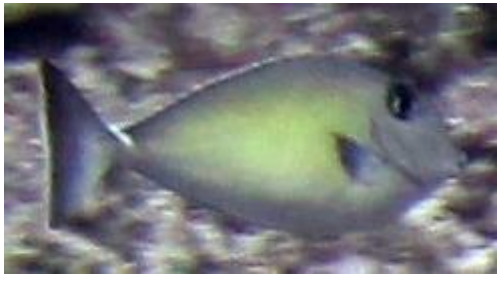
Myripristis berndti
MYBE 33cm

Myripristis earlei
MYEA 24 cm

Myripristis kuntee
MYKU 19cm

Myripristis murdjan
MYMU 27cm

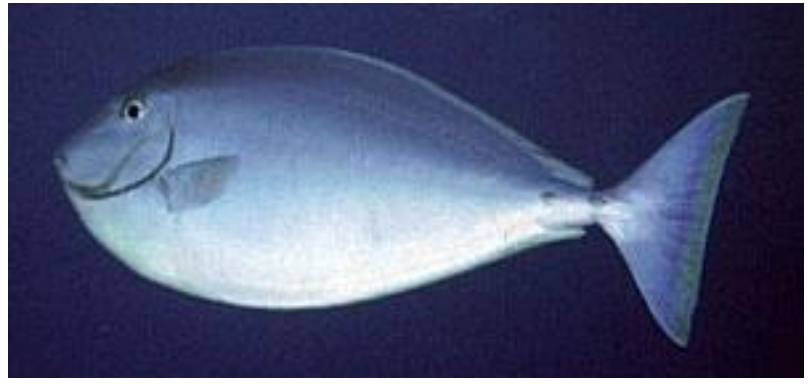




Naso annulatus

NAAN 100cm

Naso brevirostris
NABR 50cm



Naso hexacanthus

NAHE 75cm

Naso lituratus
NALI 46cm

Naso unicornis

NAUN 70cm

Naso vlamingii

NA**VL** 60cm

Nemateleotris magnifica
NEMA 9cm

Neocirrhites armatus

NEAR 9 cm

Neoniphon opercularis
NEOP 35cm

Neoniphon sammara
NESA 30cm

Novaculichthys taeniourus
NOTA 30cm

Odonus niger
ODNI 40cm

Ostracion meleagris
OSME 16cm

Oxycheilinus diagrammus
OXDI 30cm

Oxycheilinus unifasciatus

OXUN 46cm

Paracanthurus hepatus

PA**HP** 31cm

Paracirrhites arcatus

PAAR 14cm

Paracirrhites forsteri
PAFO 23cm

Paracirrhites hemistictus

PAHE 28cm

Paracirrhites xanthus
PAXA 11cm

Parapercis clathrata
PACL 18cm

Parupeneus barberinus
PABA 50cm

Parupeneus cyclostomus
PACY 50cm

Parupeneus insularis
PAIN 33cm

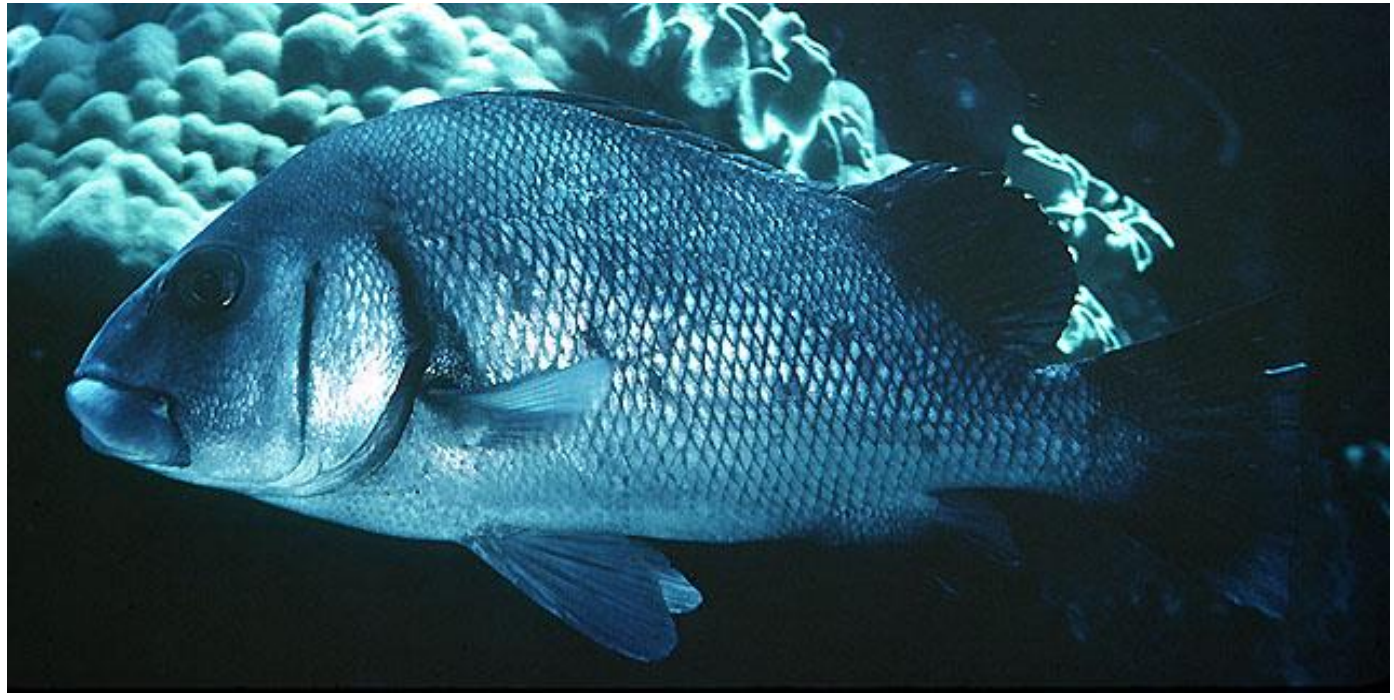
Pempheris oualensis
PEOU 22cm

Pervagor marginalis
PEMA 8cm

Plagiotremus rhynorhynchos
PLRH 12cm

Plagiotremus tapeinosoma
PLTA 13cm

Platax orbicularis
PLOR 40cm



Plectorhinchus gibbosus
PLGI 75cm

Plectorhinchus vittatus
PLVI 60cm

Plectroglyphidodon dickii
PLDI 11cm

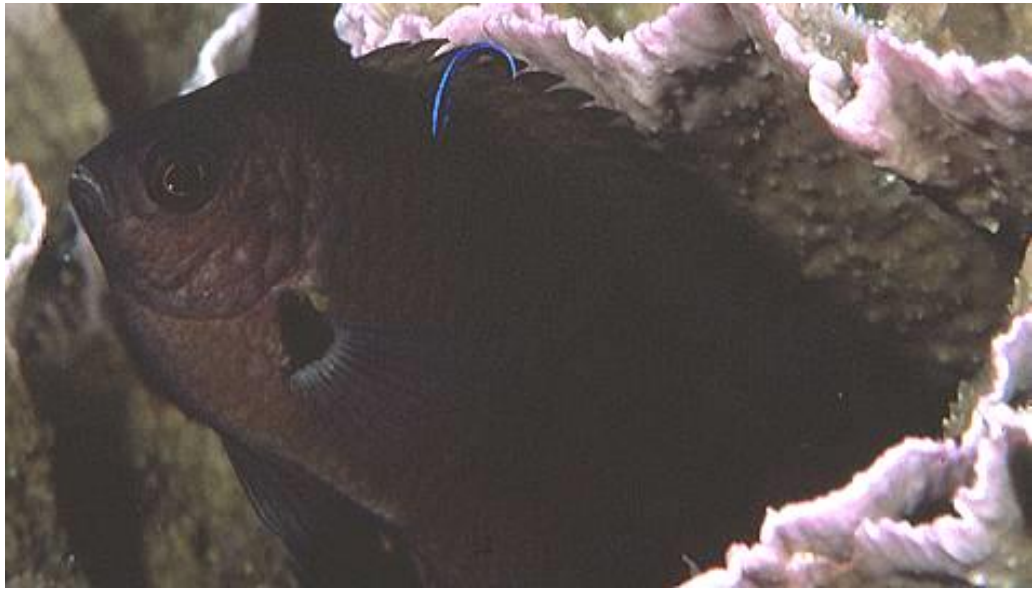
Plectroglyphidodon imparipennis
PLIM 7cm

Plectroglyphidodon johnstonianus
PLJO 12cm

Plectrophididodon phoenixensis
PLPH 8.5cm

Pogonoperca punctata
POPU 35cm

Pomacanthus imperator
POIM 38cm



Pomacentrus brachialis

POBR 10cm

Pomacentrus coelestis

POCO 7cm

Pseudanthias bartlettorum
PSBA 9cm

P. bartlettorum **L. tapeinosoma**

Pseudanthias cooperi

PSCO 14 cm

Pseudanthias dispar
PSDI 10cm

Pseudanthias olivaceus

PSOL 12cm

Pseudocheilinus evanidus
PSEV 14cm

Pseudocheilinus hexataenia
PSHE 8cm

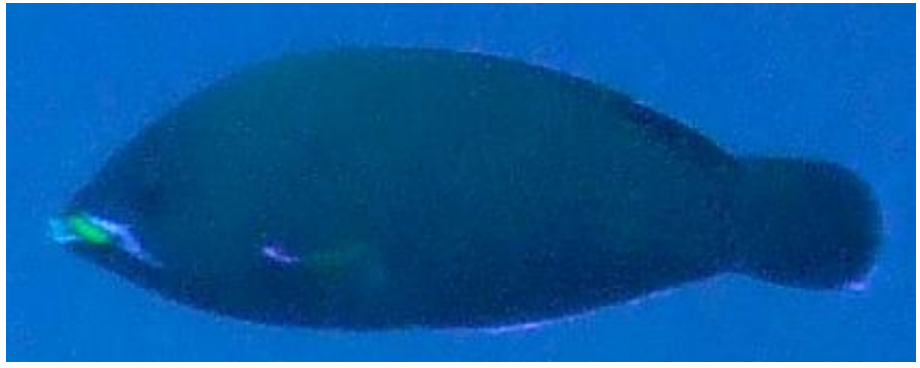
Pseudocheilinus octotaenia

PSOC 14cm

Pseudocheilinus tetrataenia
PSTE 8cm

Pseudobalistes flavimarginatus
PSFL 60cm

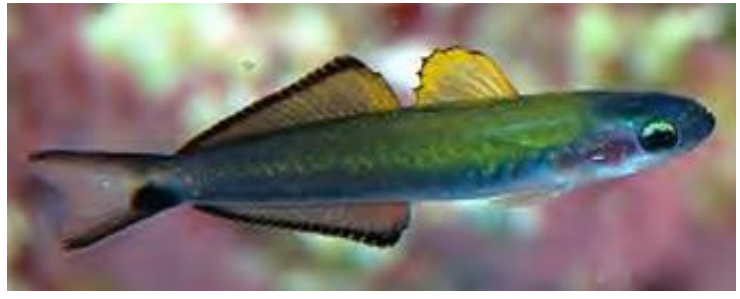
Pseudocoris heteroptera
PSHT 20cm



Pseudodax molucanus

PSMO 25cm

Pseudojuloides cerasinus
PSCE 12 cm

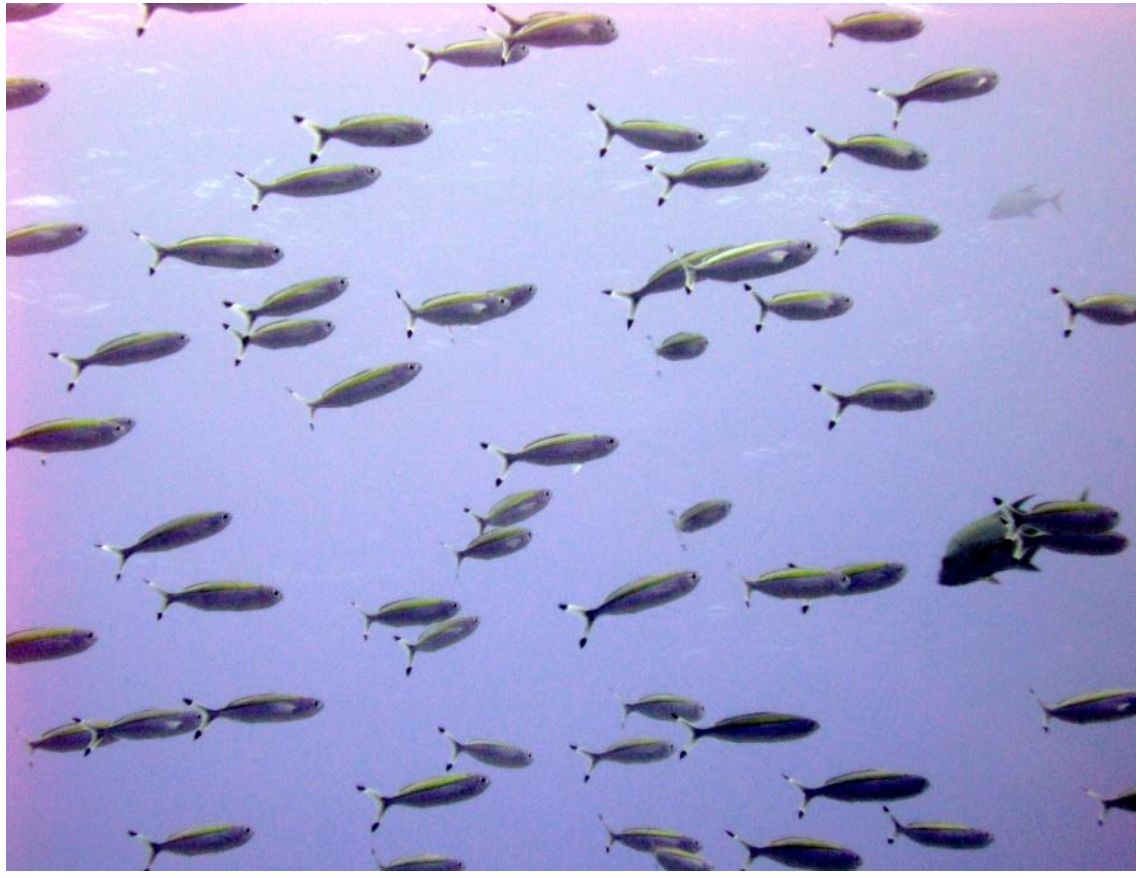


Ptereleotris evides
PTEV 13 cm

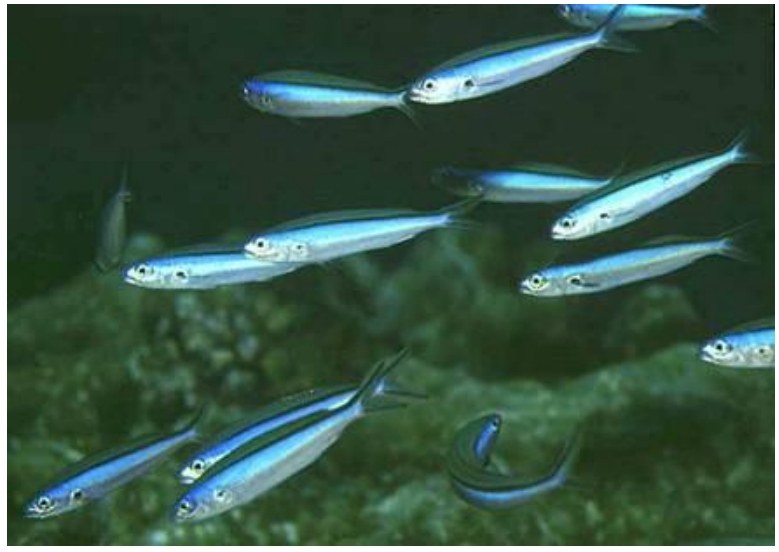
Ptereleotris heteroptera
PTHE 12cm

Ptereleotris microlepis
PTMI 13cm

Ptereleotris zebra
PTZE 12cm



Pterocaesio marri
PTMA 35cm



Pterocaesio tile

PTTI 25 cm

Pygoplites diacanthus
PYDI 25cm

Rhinecanthus aculeatus
RHAC 30cm

Rhinecanthus rectangulus
RHRE 25cm

Sargocentron caudimaculatum
SACA 25cm

Sargocentron diadema

SADI 15cm

Sargocentron microstoma
SAMI 20 cm

Sargocentron spiniferum
SASP 45cm

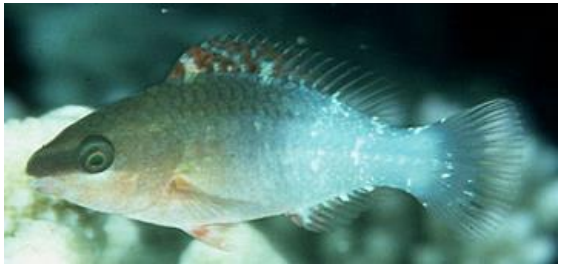
Sargocentron tiere
SATI 33cm

Scarus altipinnis

SCAL 60cm

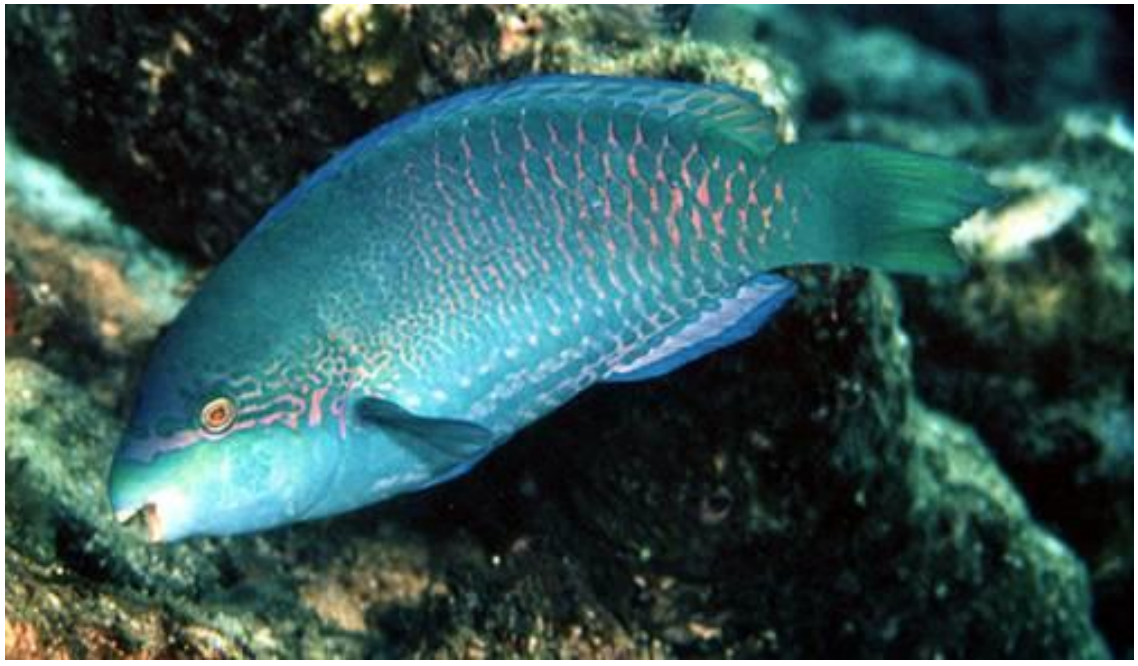
Scarus festivus
SCFE 45 cm

Scarus forsteni
SCFO 55cm



Scarus frenatus
SCFR 50cm

Scarus ghobban
SCGH 90cm



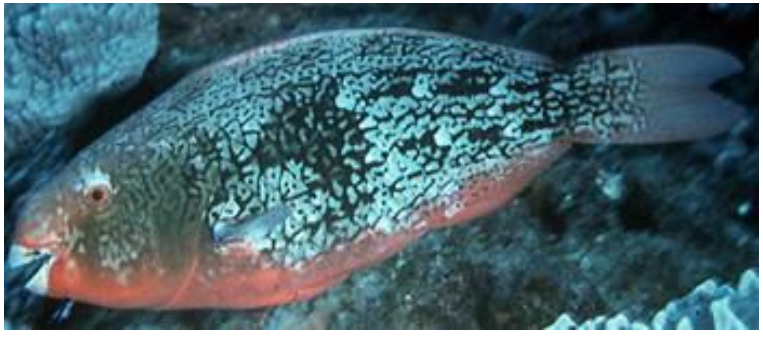
Scarus globiceps
SCGL 27cm

Scarus niger
SCNI 43cm

Scarus oviceps

SCOV 38 cm

Scarus psittacus
SCPS 30cm



Scarus rubroviolaceus
SCRU 70cm

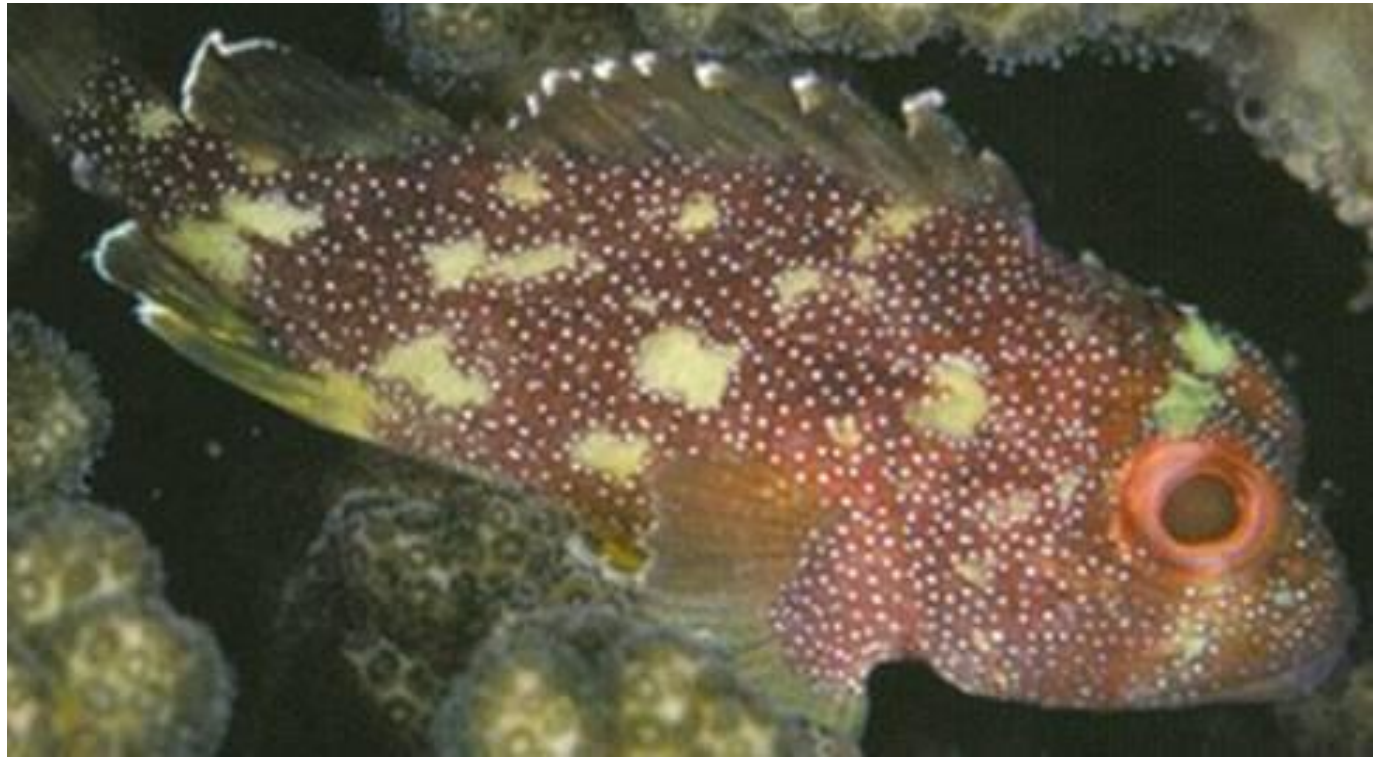
Scarus schlegeli
SCSC 38 cm

Scarus spinus

SC**SI** 30 cm

Scarus tricolor
SCTR 55cm

Scomberoides lysan
SCLY 70cm



Sebastapistes cyanostigma
SECY 8cm

Seriola dumerili

SEDU 188cm

Sphyraena barracuda

SPBA 200cm

Sphyraena qenie
SPQE 170cm

Sphyraena helleri

SPHE 80cm

Stegastes albifasciatus
STAL 11cm

Stegastes aureus
STAU 11cm

Stegastes fasciolatus

STFA 15cm

Stegastes punctatus (formerly lividus)

STLI 16cm

Stegastes nigricans
STNI 14cm

Stethojulis bandanensis

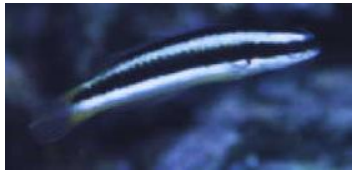
ST**BN** 16cm

Sufflamen bursa
SUBU 22cm

Sufflamen chrysopterum
SUCH 22cm

Sufflamen fraenatus
SUFR 38cm

Synodus variegatus
SYVA 40 cm

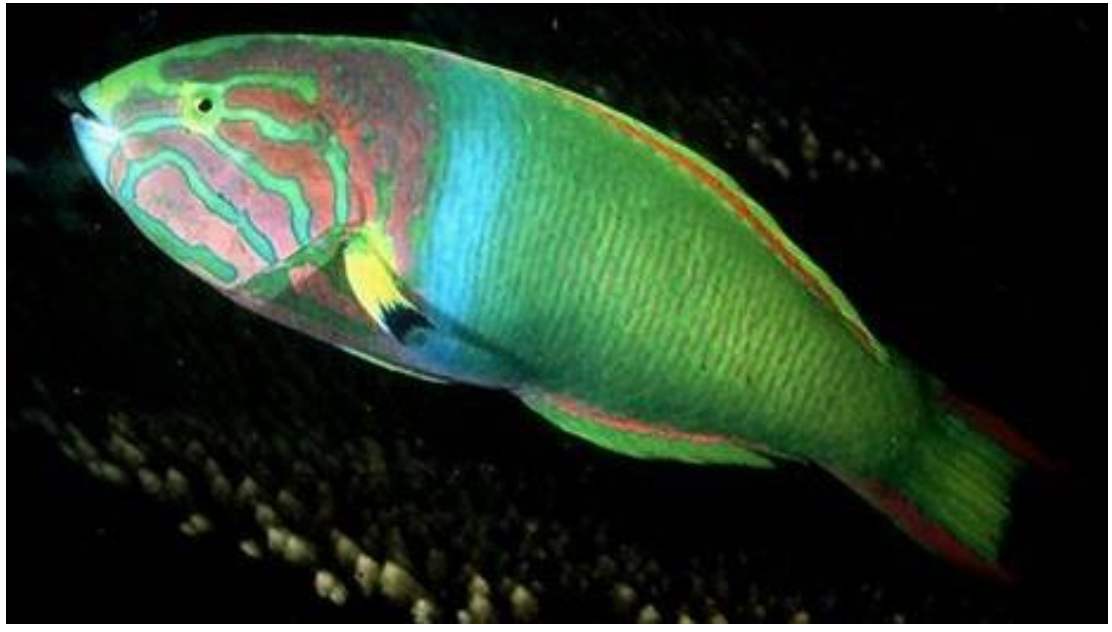


Thalassoma amblycephalum
THAM 14cm

Thalassoma hardwicke
THHA 20cm

Thalassoma lunare

TH**LN** 25cm



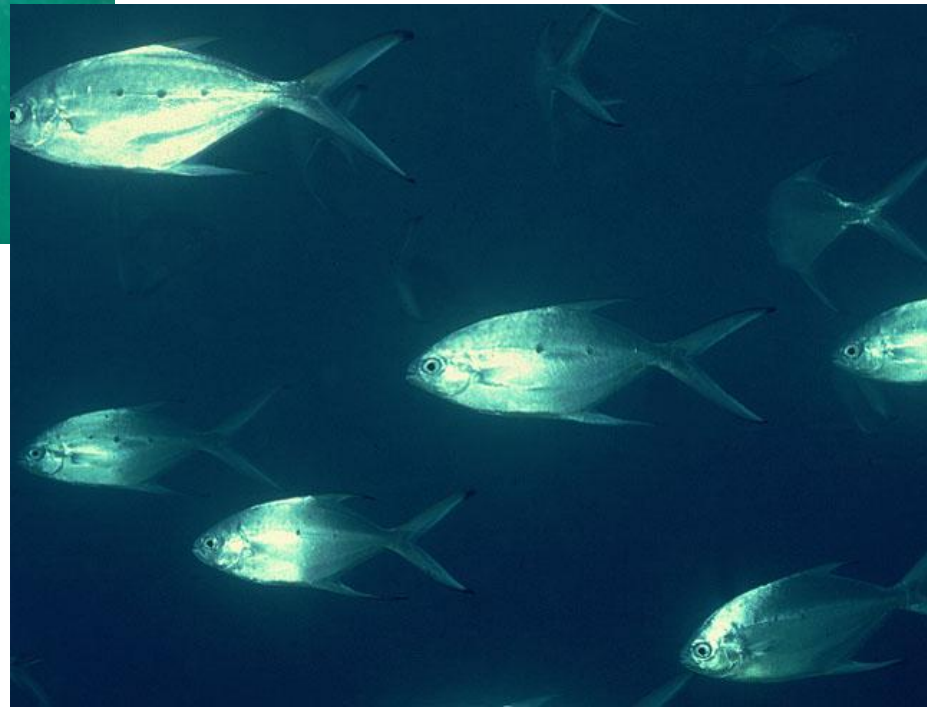
Thalassoma lutescens
THLU 25cm

Thalassoma purpureum
THPU 43cm

Thalassoma quinquevittatum
THQU 17cm

Thalassoma trilobatum

THTR 33cm



Trachinotus baillonii
TRBA 60 cm

Trianodon obesus

TROB 350cm

Valenciennea strigata
VAST 16cm

Variola louti

VALO 66cm

Xanthichthys auromarginatus
XAAU 22cm

Xanthichthys caeruleolineatus
XACA 35cm

Zanclus cornutus

ZACO 20cm

Zebrasoma rostratum
ZERO 21cm

Zebrasoma scopas
ZESC 20cm

Zebrasoma veliferum

ZEVE 40cm