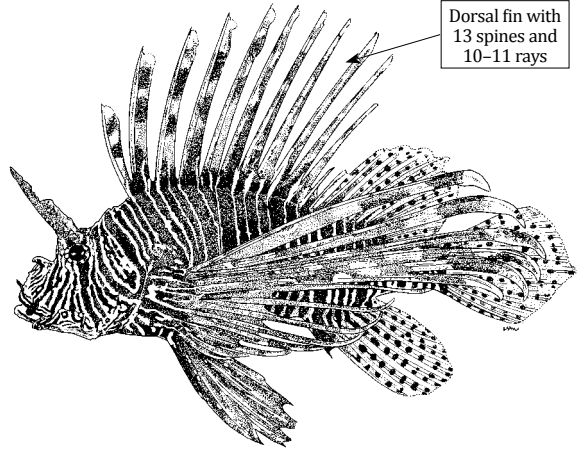


***Pterois volitans* (Linnaeus, 1758)**

FAO names: Red lionfish (En)

**Local name(s):** N: Mchafe; S: Bocho (M), Chale (K).  
**Habitat:** Benthic, associated to coral and rocky reefs down to 50 m.  
**Fisheries:** Bottom trawls, Seines.  
**Distinctive Characters:** Anal fin with 3 spines and 6–7 soft rays; scales cycloid; often with large tentacles above eyes.  
**Colour:** Variable in colour, usually in relation to habitat; coastal species generally darker, sometimes almost black in estuaries.

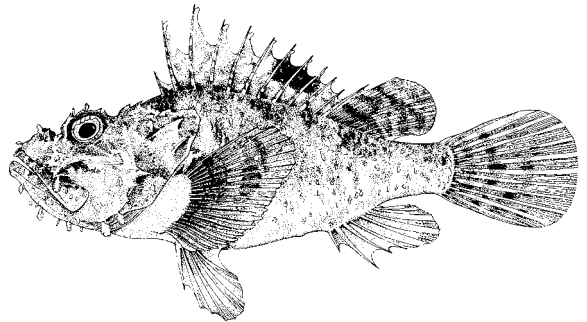


Size: To 38 cm

***Scorpaena scrofa* Linnaeus, 1758**

FAO names: Red scorpionfish (En)  
 Rascasse rouge (Fr)

**Local name(s):** N: Mchafe; S: Bocho (M), Chale (K).  
**Habitat:** Over rocky, sandy or muddy bottoms, down to 500 m; usually down to 150 m.  
**Fisheries:** Bottom trawls, Seines.  
**Distinctive Characters:** Dorsal fin with 12 spines and 9 soft rays; anal fin with 3 spines and 5 soft rays.  
**Colour:** Dark spot often on spiny dorsal.

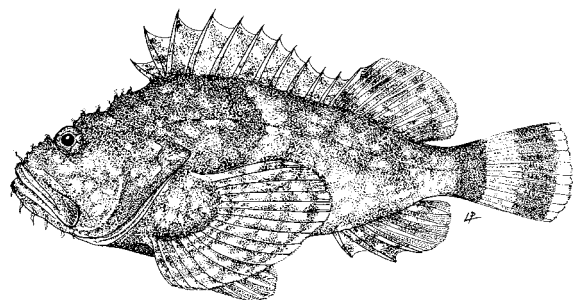


Size: To 50 cm

***Scorpaenopsis diabolus* (Cuvier, 1829) (Plate II, 16)**

FAO names: False stonefish (En)

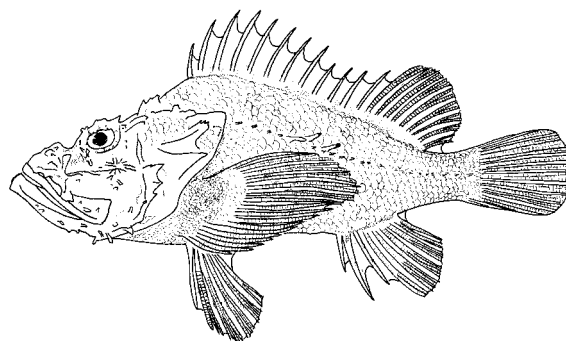
**Local name(s):** N: Mchafe; S: Bocho (M), Chale (K).  
**Habitat:** Benthic in inshore waters, among rocks and corals, down to 70 m.  
**Fisheries:** Spears.  
**Distinctive Characters:** Dorsal fin with 12 spines and 8–10 soft rays; anal fin with 3 spines and 5–6 rays; usually 18 pectoral-fin rays; back arched, with about 45 vertical scale rows.  
**Colour:** Colourful inside the pectoral fins.



Size: To 30 cm

***Scorpaenopsis gibbosa*** (Bloch & Schneider, 1801)

FAO names: Humpbacked scorpionfish (En)

**Local name(s):** N: Mchafe; S: Bocho (M) Chale (K).**Habitat:** Benthic in inshore waters, among rocks and corals.**Fisheries:** Bottom trawls, Spears.**Distinctive Characters:** A robust fish, with a markedly humped back (size of hump increasing with age); dorsal fin with 12 spines and 9 soft rays; anal fin with 3 spines and 5 rays; pectoral fins with 17–18 rays.**Colour:** A black spot nearly as large as eye on inner surface of pectoral fins near base of first 5 rays; no black mark inside mouth at front of upper jaw.

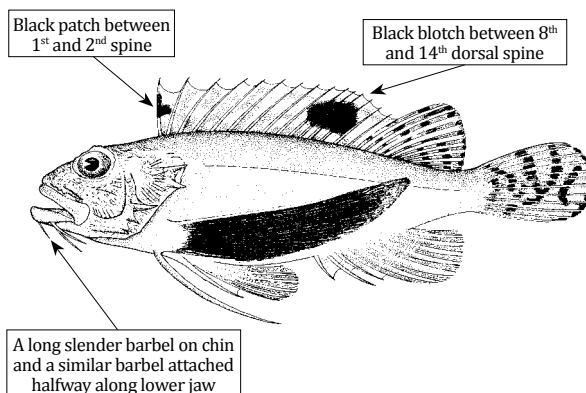
Size: To 21 cm SL

**APISTIDAE**

## Wasp scorpionfishes

***Apistus carinatus*** (Bloch & Schneider, 1801) \*

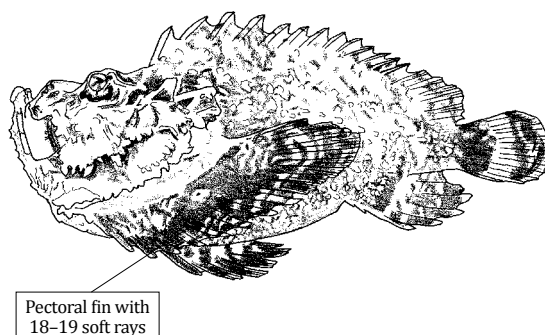
FAO names: Ocellated waspfish (En)

**Local name(s):** N: Mchafe; S: Bocho (M) Chale (K).**Habitat:** Benthic on soft bottoms down to 60 m.**Fisheries:** Bottom trawls, Seines.**Distinctive Characters:** Preopercle with a strong spine and 2–3 shorter spines below; pectoral fins elongate, longest rays reaching to or beyond posterior end of anal fin; one pectoral-fin ray detached from remainder of fin.**Colour:** Body greyish dorsally and rosy ventrally; spiny part of dorsal fin grey, darker grey distally, with a black patch between; pectoral fins black, uppermost pectoral-fin ray white.

Size: To 20 cm

**SYNANCEIIDAE**

## Stonefishes

***Synanceia verrucosa*** Bloch & Schneider, 1801FAO names: Stonefish (En)  
Poisson pierre commun (Fr)**Local name(s):** N: Shinda dovi; S: Bocho (M), Bevi (K).**Habitat:** Benthic in shallow waters, around coral reefs, rocks and in tidal pools.**Fisheries:** Spears.**Distinctive Characters:** Dorsal fin with 12–14 spines covered by thick skin and 5–7 rays; anal fin with 3 spines and 5 rays usually covered with thick skin.**Colour:** Body brownish; pectoral, pelvic and caudal fins tipped with white; caudal fin with subterminal dark bands.**Remarks:** Fin spines venomous, sting can cause death in humans.

Size: To 40 cm SL

**DACTYLOPTERIDAE**

Flying gurnards

***Dactyloptena orientalis*** (Cuvier, 1829)

**Local name(s):** N: Mnuvi/Vumbama (maji);  
S: Panzi (M/K).

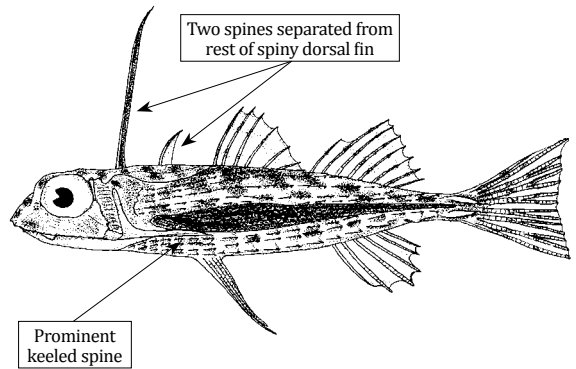
**Habitat:** Benthic on sandy bottoms in coastal waters.

**Fisheries:** Seines.

**Distinctive Characters:** Heavily armored box-like body and winglike pectoral fins; anal fin with 6–7 soft rays; pectoral fins divided into 2 sections, a short anterior part, with 5 rays, and a long posterior part with 27–30 rays reaching caudal-fin base in adult (much shorter in young).

**Colour:** Usually yellowish–brown above, light brown below, with small orange spots over top of head and back; dusky golden spots on pectoral fins.

**FAO names:** Oriental flying gurnard (En)  
Grondin volant étoilé (Fr)



**Size:** To 40 cm, common 20 cm

**TRIGLIDAE**

Gurnards – Searobins

***Lepidotrigla faurei*** Gilchrist & Thompson, 1914

**Local name(s):** N: Mnuvi; S: Panzi (M/K).

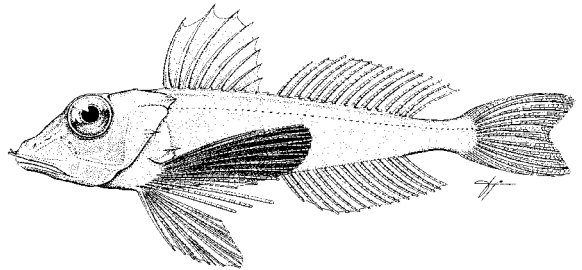
**Habitat:** Bottom dweller that occurs in rather deep waters from 50 m to 175 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Head large, triangular, with many ridges and spines, and a fissure on top, behind eyes (occipital groove); rostral process with several prominent spines; dorsal fin with 8–9 spines and 15–17 rays; anal fin with 15–16 soft rays; pectoral fins variable in length; body scales large.

**Colour:** Mostly red.

**FAO names:** Scalybreast gurnard (En)  
Grondin armure (Fr)



**Size:** To 18 cm

***Lepidotrigla multispinosa*** Smith, 1934

**Local name(s):** N: Mnuvi; S: Panzi (M/K).

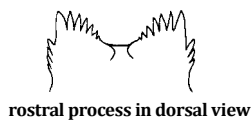
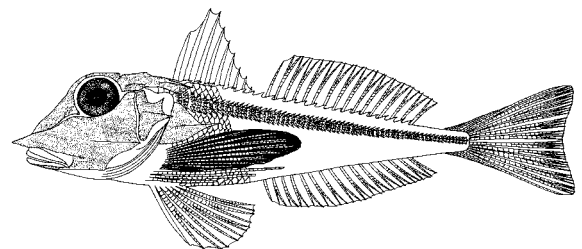
**Habitat:** Bottom dweller that occurs in deep waters from 230 m to 335 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Head large, triangular with many ridges and spines and a fissure on top behind eyes (occipital groove); rostral process forming a curved projection with no prominent spines; dorsal fin with 8–9 spines and 15–16 rays; anal fin with 16–17 soft rays; preopercular ridge strong; body scales large.

**Colour:** Mostly red.

**FAO names:** Indian Ocean spiny gurnard (En)  
Grondin épineux (Fr)



rostral process in dorsal view

**Size:** To 15 cm

***Lepidotrigla spiloptera* Günther, 1880** (Plate II, 17)

**FAO names:** Spotwing gurnard (En)  
Grondin aile tachetée (Fr)

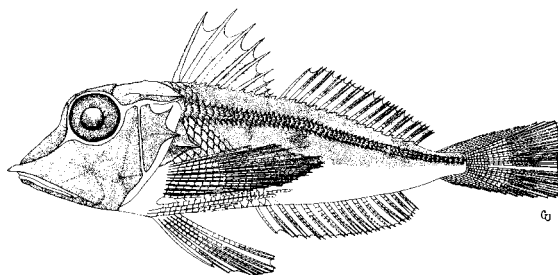
**Local name(s):** N: Mnuvi; S: Panzi (M/K).

**Habitat:** Bottom dweller that occurs in rather deep waters from 54 m to 256 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Head large, triangular with many ridges and spines, and a fissure on top, behind eyes (occipital groove); rostral process with several prominent spines; bony scales large.

**Colour:** Mostly red with definite silvery white breast, belly and lower flanks.



rostral process in dorsal view

**Size:** To 10 cm

## PLATYCEPHALIDAE

### Spiny flatheads

***Cociella crocodilus* (Cuvier, 1829)**

**FAO names:** Crocodile flathead (En)

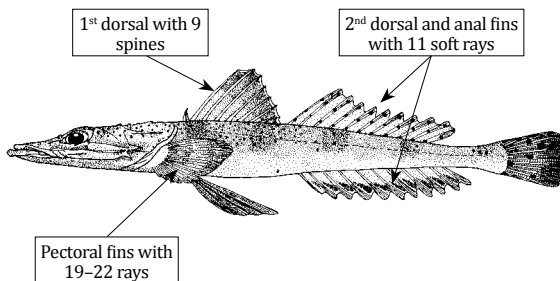
**Local name(s):** N: Mnuvi/Vumbama; S: Songwe (K).

**Habitat:** Benthic on sandy or muddy bottoms from near the shore to 100 m.

**Fisheries:** Bottom trawls, Gillnets.

**Distinctive Characters:** Top of head with spines and body ridges; bony ridge crossing cheek below eye with 3 spines; usually 2 preopercular spines.

**Colour:** Small, dark spots on head and back; 4–5 brown bands crossing the back in some individuals, vague or absent in others; spiny dorsal and caudal fins with a dusky band near margin; soft dorsal fin with small dark spots.



**Size:** To 50 cm, common 40 cm

***Papilloculiceps longiceps* (Cuvier, 1829)**

**FAO names:** Tentacled flathead (En)

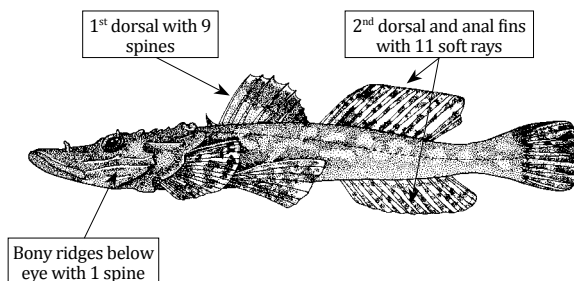
**Local name(s):** N: Mnuvi/Vumbama; S: Songwe (K).

**Habitat:** Benthic species, found on sandy bottoms near coral reefs from 1 m to 15 m.

**Fisheries:** Hooks and Line, Spears, Seines.

**Distinctive Characters:** Snout long; a prominent papilla on upper surface of eye; pectoral fins with 19–22 rays.

**Colour:** Body brownish to green above, pale below; caudal fin with 3–4 vertical dark bands; other fins with prominent dark blotches.

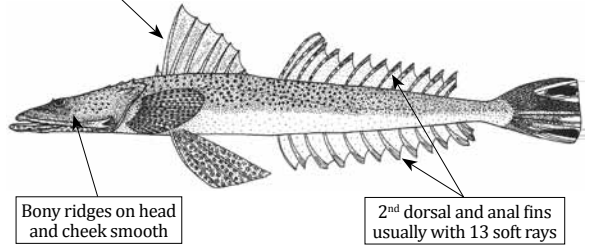


**Size:** To 70 cm, common 50 cm

***Platycephalus indicus* (Linnaeus, 1758)**

**Local name(s):** N: Mnuvi/Vumbama; S: Songwe (K).  
**Habitat:** Benthic on sandy bottoms in shallow areas, also in estuaries. Maximum depth 25 m.  
**Fisheries:** Hooks and Line, Spears, Bottom trawls.  
**Distinctive Characters:** Head with only 1 small preocular spine; pectoral fins with 17–20 rays.  
**Colour:** Brownish or greyish above, whitish below; small dark blotches on back and head; pectoral and pelvic fins with numerous brown blotches; caudal fin centrally yellow with black stripes on upper and lower margins.

1<sup>st</sup> dorsal fin with 9–10 spines, the 1<sup>st</sup> and last often separated from other spines



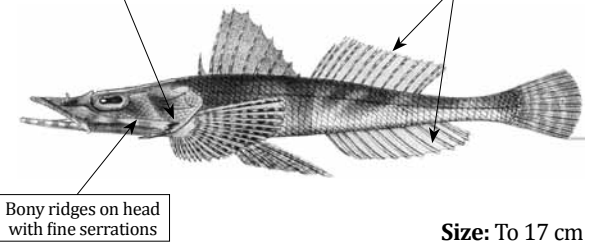
**FAO names:** Bartail flathead (En)  
 Platycéphale indien (Fr)

**Size:** To 100 cm, common 60 cm

***Rogadius pristiger* (Cuvier, 1829)\***

**Local name(s):** N: Mnuvi/Vumbama; S: Songwe (K).  
**Habitat:** Benthic on sandy or muddy bottoms from 15 m to 95 m.  
**Fisheries:** Hooks and Line, Spears, Bottom trawls.  
**Distinctive Characters:** Lower opercular spine lacks serrations along base; 21–23 pectoral-fin rays.  
**Colour:** Brownish above, white or tan below; 4–5 dark bands usually crossing back; caudal fin with a dark band near base, a light area in middle and a dark band near posterior margin.

Four preopercular spines and 1 forward-pointing spine on lower face



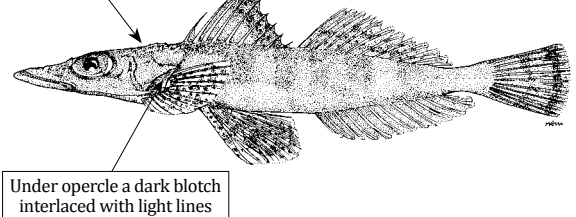
**FAO names:** Thorny flathead (En)  
 Platycéphale épineux (Fr)

**Size:** To 17 cm

***Sorsogona prionota* (Sauvage, 1873)**

**Local name(s):** N: Mnuvi/Vumbama; S: Songwe (K).  
**Habitat:** Benthic on sandy or muddy bottoms down to 65 m.  
**Fisheries:** Bottom trawls.  
**Distinctive Characters:** Three spines on preopercle not pointing forward; 2<sup>nd</sup> dorsal and anal fins with 12 rays.  
**Colour:** Brownish in colour, with 4–5 bands crossing back; spiny dorsal dusky brown, other fins dark spotted.

Bony ridges on head finely serrate; usually 3–4 preopercular spines



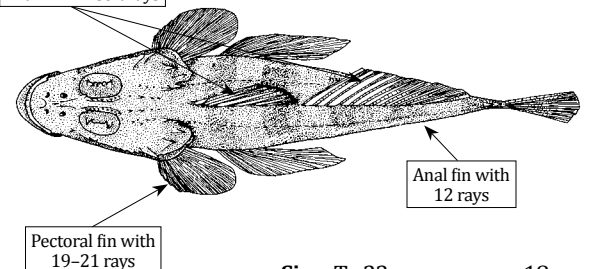
**FAO names:** Halfspined flathead (En)

**Size:** To 22 cm

***Thysanophrys chiltonae* Schultz, 1966**

**Local name(s):** N: Mnuvi/Vumbama; S: Songwe (K).  
**Habitat:** Benthic over sand in coral reef areas.  
**Fisheries:** Hooks and Line, Spears, Seines, Gillnets.  
**Distinctive Characters:** Iris lappet of eye with finger-like or branched lobes; small papillae on upper surface of eye lacking; head with spines and bony ridges; bony ridge crossing cheek below eye with 4 or more spines.  
**Colour:** Body greyish or light tan above, pale below, with 4–5 dark bands crossing back; spiny dorsal fin pale, with a broad black band near margin.

1<sup>st</sup> dorsal with 9 spines; 2<sup>nd</sup> dorsal with 11–12 soft rays

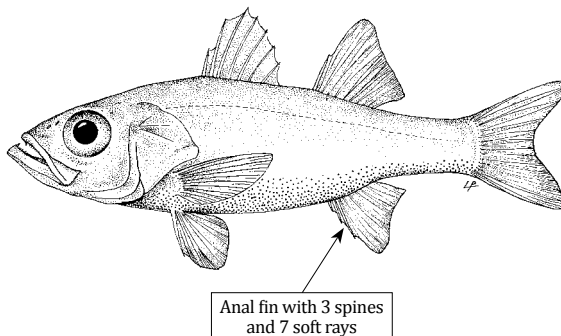
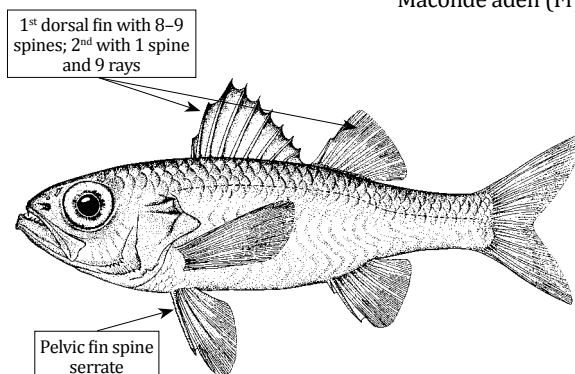
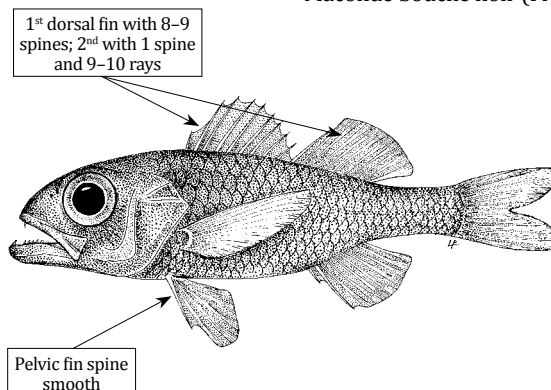


**FAO names:** Longsnout flathead (En)  
 Platycéphale clin d'œil (Fr)

**Size:** To 23 cm, common 18 cm

**ACROPOMATIDAE**

## Lanternbellies

***Acropoma japonicum*** Günther, 1859**FAO names:** Glowbelly (En)  
Maconde lumineux (Fr)**Local name(s):** N & S: No information.**Habitat:** Occurs over trawlable bottoms from 100 m to 300 m.**Fisheries:** Bottom trawls.**Distinctive Characters:** First dorsal fin with 8–9 slender spines, 2<sup>nd</sup> dorsal fin with 1 spine and 10 soft rays; anus closer to pelvic fin than to anal fin.**Colour:** Body pink, ventral surface abruptly silvery and thickly covered with dark dots; at night or in the dark, the entire ventral region is brighter.**Size:** To 20 cm***Synagrops adeni*** Kotthaus, 1970**FAO names:** Aden splitfin (En)  
Maconde aden (Fr)**Local name(s):** N & S: No information.**Habitat:** Occurs over trawlable bottoms from 280 m to 600 m.**Fisheries:** Bottom trawls.**Distinctive Characters:** A band of villiform teeth in upper jaw, separated by a gap at symphysis, with a large canine on each side of gap; anus closer to anal fin than to pelvic-fin origin; anal fin with 2 spines and 7 soft rays; 17 pectoral-fin rays.**Colour:** Head and body pale brown or dusky.**Size:** To 11 cm***Synagrops japonicus*** (Döderlein, 1883)**FAO names:** Blackmouth splitfin (En)  
Maconde bouche noir (Fr)**Local name(s):** N & S: No information.**Habitat:** Occurs over trawlable bottoms from 180 m to 600 m.**Fisheries:** Bottom trawls.**Distinctive Characters:** A band of villiform teeth in upper jaw and a large pair of backward-pointing canines; no spines on preopercular ridge; anus closer to anal fin than to pelvic-fin origin; anal fin with 2 slender spines and 7–8 soft rays.**Colour:** Body uniformly blackish-brown in young, black dorsally, paler ventrally in adults.**Size:** To 35 cm

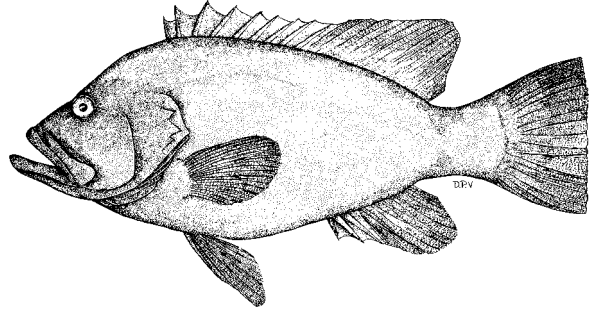
**SERRANIDAE**

Groupers – Seabasses – Rockcods – Hinds – Combers – Coral trouts – Lyretails

***Aethaloperca rogae*** (Forsskål, 1775) (Plate II, 18)

FAO names: Redmouth grouper (En)  
Vieille roga (Fr)

**Local name(s):** N: Tewa shambaro; S: Tewa (M/K).  
**Habitat:** Demersal on coral reefs from 3 m to 60 m.  
**Fisheries:** Lines, Traps, Spears, Seines, Bottom trawls.  
**Distinctive Characters:** Steep dorsal head profile; lump on nape in large specimens; dorsal fin with 9 spines and 17–18 soft rays; anal fin has 3 spines and 8–9 soft rays; pelvic fins subequal to pectoral fins, reaching anus or beyond; caudal fin truncate.  
**Colour:** Uniformly dark or black; inside of mouth and gill cavity reddish; young with crescentic white margin of caudal fin and soft-rayed part of dorsal fin edged with white.

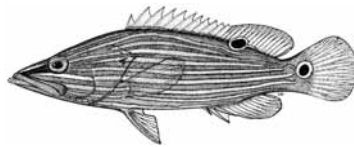
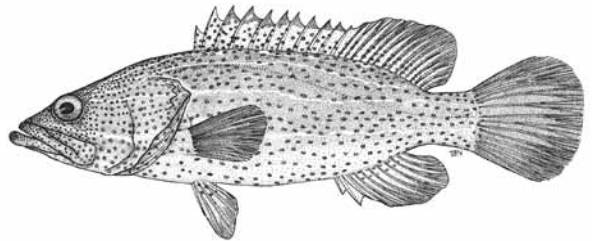


Size: To 60 cm

***Anyperodon leucogrammicus*** (Valenciennes, 1828) \* (Plate III, 19)

FAO names: Slender grouper (En)  
Mérrou élégant (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Demersal on protected coral reefs from 5 m to 80 m.  
**Fisheries:** Hooks and Line, Spears, Traps, Gillnets.  
**Distinctive Characters:** Head length distinctly greater than body depth; preopercle rounded; lower serrae not much enlarged; dorsal fin with 11 spines and 14–16 soft rays; anal fin with 3 spines and 8–9 soft rays; pectoral fins with 15–17 rays; caudal fin rounded.  
**Colour:** Adults background colour greenish with often 4 white bands and orange-red spots; juveniles golden with dark-edged bluish stripes and a blue-edged black spot at base of caudal fin, and one on dorsal fin.



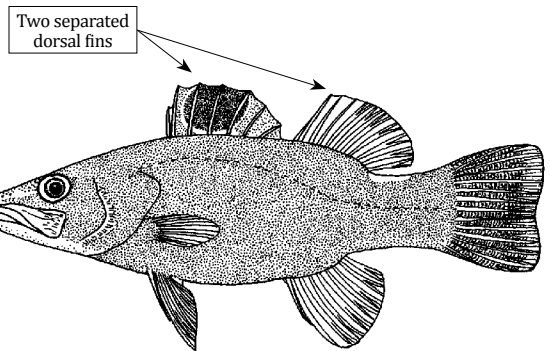
Juvenile

Size: To 65 cm

***Belonoperca chabanaudi*** Fowler & Bean, 1930 \*

FAO names: Arrowhead soapfish (En)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Occurs on reefs, hiding in caves.  
**Fisheries:** Hooks and Line, Traps, Seines.  
**Distinctive Characters:** First dorsal fin with 9 spines, 2<sup>nd</sup> dorsal fin with 10 rays; anal with 2 spines and 8 rays; pectoral fins with 17–18 rays.  
**Colour:** Background colour greyish with darker blotches along back; dorsal surface of peduncle blackish brown; prominent black streak on maxillary groove; yellow spot on edge of caudal peduncle; spiny portion of dorsal fin with roundish black blotch.



Size: To 15 cm

***Cephalopholis argus* Schneider, 1801** (Plate III, 20)

**FAO names:** Peacock hind (En)  
Vieille la prude (Fr)

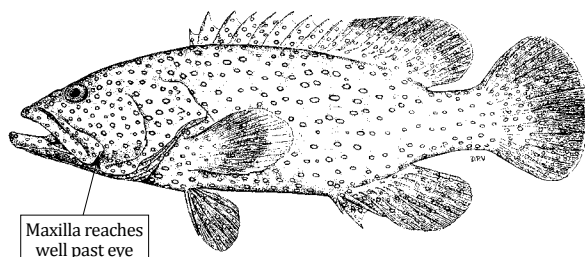
**Local name(s):** N: Tewa pande; S: Tewa (M/K).

**Habitat:** Coral reefs from tide pools down to 40 m; juveniles usually in shallow protected coral beds.

**Fisheries:** Hooks and Line, Spears, Traps, Gillnets.

**Distinctive Characters:** Dorsal fin with 9 spines and 15–17 soft rays; anal fin with 3 spines and 9 rays; 16–18 pectoral-fin rays; caudal fin rounded.

**Colour:** Head, body and fins dark brown, covered with small, black-edged blue spots; narrow white margin along rear edge of pectoral and median fins; 5 or 6 broad pale vertical bars often present on rear half of body.



**Size:** To 60 cm

***Cephalopholis aurantia* (Valenciennes, 1828)** (Plate III, 21)

**FAO names:** Golden hind (En)  
Vieille dorée (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).

**Habitat:** Steep seaward reefs from 40 m to 250 m.

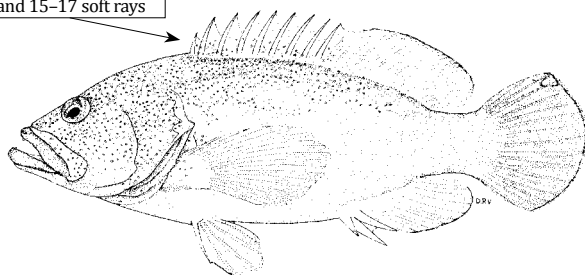
**Fisheries:** Traps, Gillnets, Lines.

**Distinctive Characters:** Maxilla reaches past eye; subopercle and preopercle serrate; 3 anal spines and 9 soft rays; 17–18 pectoral-fin rays; caudal fin rounded.

**Colour:** Background colour orange–yellow to dull pink with reddish–orange to yellow dots on head and antero–dorsally on body.

**Remarks:** Usually pelvic fins reach anus, while in *C. spiloparaea*, do not.

Dorsal fin with 9 spines and 15–17 soft rays



**Size:** To 60 cm, common 30 cm

***Cephalopholis boenak* (Bloch, 1790)** (Plate III, 22)

**FAO names:** Chocolate hind (En)  
Vieille chocolat (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).

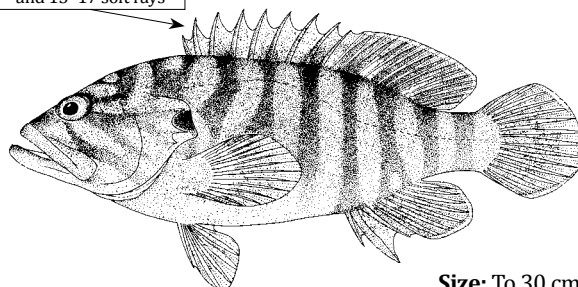
**Habitat:** Common on coral reefs and sand stone flats in shallow waters down to 50 m.

**Fisheries:** Handlines, Bottom longlines.

**Distinctive Characters:** Maxilla reaches past eye; anal with 3 spines and 8 soft rays; pectoral fins with 15–17 rays.

**Colour:** Head, body and fins dark brown; body with slightly irregular blackish brown bars; head with irregular dark bands radiating from eye and a black spot between upper 2 opercular spines.

Dorsal fin with 9 spines and 15–17 soft rays



**Size:** To 30 cm

***Cephalopholis leopardus* (Lacèpede, 1801)**

**FAO names:** Leopard hind (En)  
Vieille léopard (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).

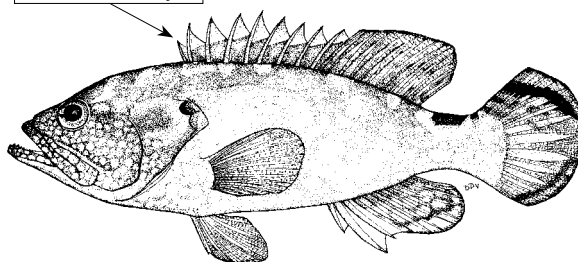
**Habitat:** Common on hard bottoms down to 30 m.

**Fisheries:** Handlines, Gillnets, Traps.

**Distinctive Characters:** Maxilla reaches well past eye; lower edge fleshy; 3 anal spines and 9–10 soft rays; 16–18 pectoral-fin rays; pelvic fins usually not reaching anus.

**Colour:** Light reddish brown, shading to whitish ventrally; a black saddle-like spot dorsally on caudal peduncle, with a small spot behind it.

Dorsal fin with 9 spines and 13–15 soft rays



**Size:** To 24 cm



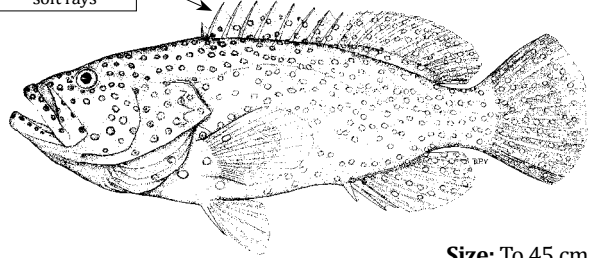
***Cephalopholis miniata*** (Forsskål, 1775)

(Plate III, 23)

**FAO names:** Coral hind (En)  
Vieille de corail (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Demersal on coral reefs from 2 m to 150 m.  
**Fisheries:** Hooks and Line, Spears, Traps.  
**Distinctive Characters:** Maxilla scaly, reaches to or beyond edge of orbit; anal fin with 3 spines and 9 soft rays; 17–18 pectoral–fin rays.  
**Colour:** Orange–red, with numerous small blue spots on body, head, median fins, maxilla and lips, but not underside of lower jaw; pectoral fins orange–red at base, rest of the fin yellow orange; juveniles may be yellow.

Dorsal fin with 9 spines and 14–16 soft rays

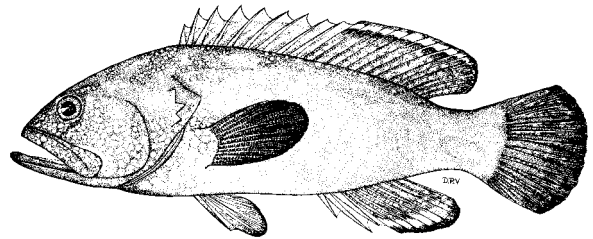


**Size:** To 45 cm

***Cephalopholis nigripinnis*** (Valenciennes, 1828)

**FAO names:** Darkfin hind (En)  
Vieille aile noire (Fr)

**Local name(s):** N: Tewa pande; S: Tewa (M/K).  
**Habitat:** Demersal on coral reefs from 1 m down to 60 m.  
**Fisheries:** Hooks and Line, Traps.  
**Distinctive Characters:** Dorsal fin with 9 spines and 14–16 soft rays; anal fin with 3 spines and 8, rarely 9, soft rays; pectoral fins with 17–19 rays; pelvic fins usually not reaching anus.  
**Colour:** Reddish–brown to brownish–red, darker posteriorly; head and nape with numerous close-set orange–red spots, more evident ventrally.



**Size:** To 28 cm

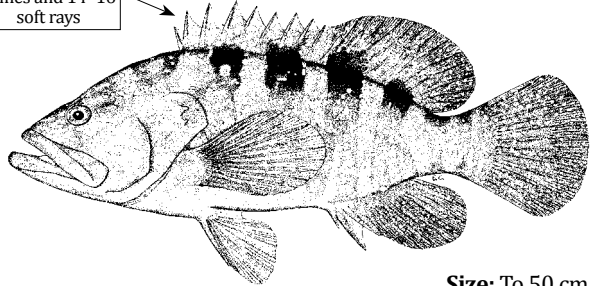
***Cephalopholis sexmaculata*** (Rüppell, 1830)

(Plate III, 24)

**FAO names:** Sixblotch hind (En)  
Vieille six taches (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral reefs from 10 m to 150 m.  
**Fisheries:** Hooks and Line, Traps, Gillnets.  
**Distinctive Characters:** Maxilla reaches to or past edge of orbit; anal fin with 3 spines and 9 soft rays; pectoral fins with 16–18 rays; pelvic fins not reaching anus.  
**Colour:** Orange–red with numerous small blue spots on body, head and median fins; four squarish, black blotches on body at base of dorsal fin extending onto the fin and 2 more on caudal peduncle; pectoral fins yellow–orange.

Dorsal fin with 9 spines and 14–16 soft rays



**Size:** To 50 cm

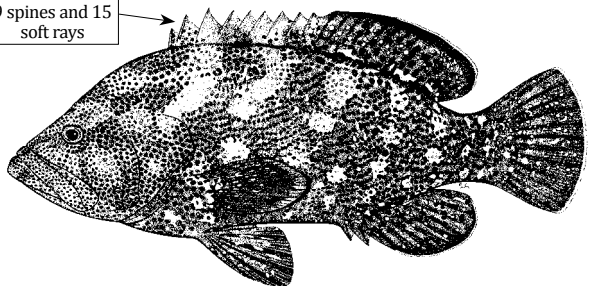
***Cephalopholis sonnerati*** (Valenciennes, 1828)

(Plate III, 25)

**FAO names:** Tomato hind (En)  
Vieille ananas (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral reefs from 12 m to 150 m.  
**Fisheries:** Hooks and Line, Traps.  
**Distinctive Characters:** Dorsal profile of head above eye and nape strongly convex in adults; maxilla reaching past eye; anal fin with 3 spines and 9 soft rays; 18–20 pectoral–fin rays.  
**Colour:** Background colour orange–red to red to reddish–brown, often with small whitish or purple spots; juveniles dark reddish–brown to nearly black; purple network on head, maxilla and tips.

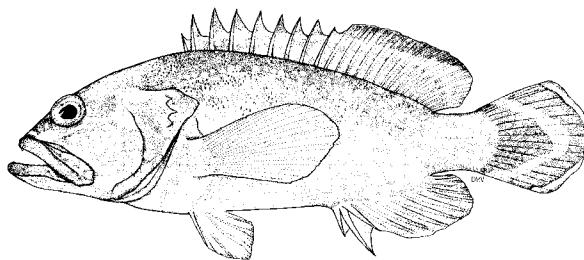
Dorsal fin with 9 spines and 15 soft rays



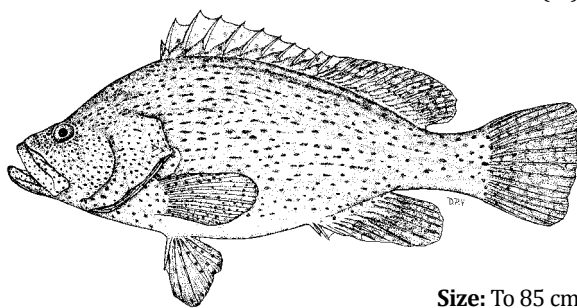
**Size:** To 57 cm

***Cephalopholis spiloparaea*** (Valenciennes, 1828)

(Plate III, 26)

FAO names: Strawberry hind (En)  
Vieille fraise (Fr)**Local name(s):** N: Tewa pande; S: Tewa (M/K).**Habitat:** Coral reefs from 15 m down to 108 m.**Fisheries:** Hooks and Line, Traps.**Distinctive Characters:** Dorsal fin with 9 spines and 14–16 soft rays; anal fin with 3 spines and 9 soft rays; pectoral fins (17–19 rays), clearly longer than pelvic fins; caudal fin rounded.**Colour:** Pale reddish-orange, mottled and blotched with dark red or brownish red; faint pale spots usually present on head, body, and median fins; caudal fin usually coloured like the body, with a bluish-white submarginal band at corner of fin.

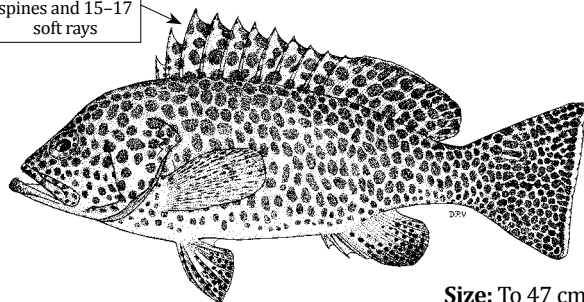
Size: To 30 cm

***Dermatolepis striolata*** (Playfair, 1867)FAO names: Smooth grouper (En)  
Mérou lisse (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Demersal on coral reefs.**Fisheries:** Hooks and Line, Traps, Gillnets.**Distinctive Characters:** Preopercle finely serrated beneath skin, more or less smooth in large adults; opercle with only 12 apparent spines, the 3<sup>rd</sup> is covered by skin and scales; dorsal fin with 11 spines and 18–19 rays; anal fin with 3 spines and 9–10 soft rays; 18 pectoral-fin rays.**Colour:** Background colour yellowish to reddish-brown with dark spots.

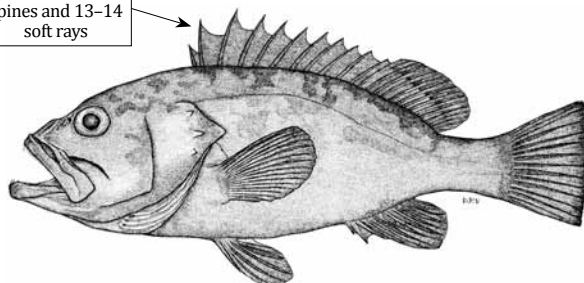
Size: To 85 cm

***Epinephelus areolatus*** (Forsskål, 1775)

(Plate III, 27)

FAO names: Areolate grouper (En)  
Mérou aréolé (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Usually in sea grass beds near rocky reefs from 6 m to 200 m.**Fisheries:** Hooks and Line, Traps, Bottom trawls.**Distinctive Characters:** Preopercle serrate with 3–7 large serrae at the angle; anal fin with 3 spines and 8 soft rays; 17–18 pectoral-fin rays; caudal fin margin truncate to slight concave.**Colour:** Head, body and anal fins pale, covered with numerous brown to yellowish-brown spots, relatively smaller and more numerous with growth; caudal fin with a white posterior border.Dorsal fin with 11  
spines and 15–17  
soft rays

Size: To 47 cm

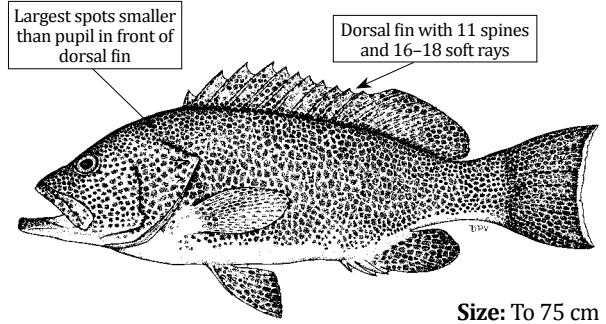
***Epinephelus chabaudi*** (Castelnau, 1861)FAO names: Moustache grouper (En)  
Mérou moustache (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Coral reefs from 90 m to 300 m.**Fisheries:** Traps, Gillnets, Lines, Seines.**Distinctive Characters:** Interorbital area convex; preopercle angular, the serrae at angle enlarged and on some specimens they continue onto posterior part of lower limb.**Colour:** Adults rosy slate or chocolate brown; throat and hidden membranes of head pinkish-grey; juveniles with head and body greyish-brown, shading to pale purplish-grey ventrally, with 3 broad dark bars between dorsal fin and lateral line.Dorsal fin with 11  
spines and 13–14  
soft rays

Size: To 137 cm, common 70 cm

***Epinephelus chlorostigma* (Valenciennes, 1828)**

**(Plate III, 28)** **FAO names:** Brownspeckled grouper (En)  
Mérour pintade (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral reefs and muddy bottoms from 4 m to 280 m.  
**Fisheries:** Traps, Seines, Gillnets, Lines.  
**Distinctive Characters:** Preopercle serrate, with enlarged serrae at the angle; anal fin with 3 spines and 8 soft rays; pectoral fins with 17–19 rays; caudal fin truncate or near margin slightly concave.  
**Colour:** Background colour forming a pale network; head, body and fins with small closely set brown spots; no white margins on dorsal and anal fins.

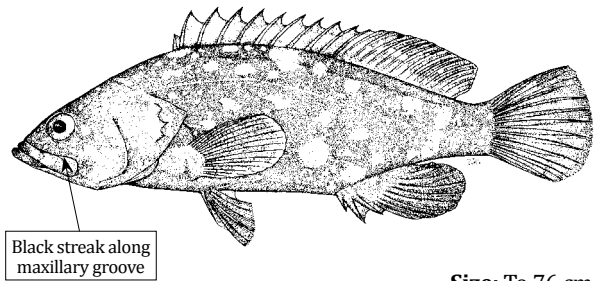


**Size:** To 75 cm

***Epinephelus coeruleopunctatus* (Bloch, 1790)**

**(Plate IV, 29)** **FAO names:** Whitespeckled grouper (En)  
Mérour taches blanches (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral reefs from 4 m to 65 m.  
**Fisheries:** Traps, Gillnets, Lines, Seines.  
**Distinctive Characters:** Interorbital area flat; upper edge of operculum almost straight; dorsal fin with 11 spines and 15–17 rays; anal fin with 3 spines and 8 soft rays; 17–19 pectoral–fin rays.  
**Colour:** Background colour brownish–grey, covered with small pale spots overlaying with large purple blotches; large adults brownish, covered with indistinct small pale spots; oblique black saddle on caudal peduncle.

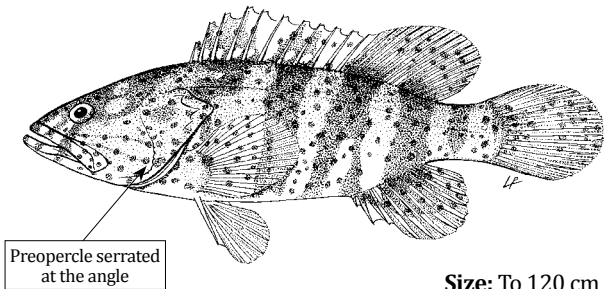


**Size:** To 76 cm

***Epinephelus coioides* (Hamilton, 1822)**

**(Plate IV, 30)** **FAO names:** Orange–speckled grouper (En)  
Mérour taches oranges (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Continental and island shores, also in estuaries; offshore down to 100 m.  
**Fisheries:** Hooks and Line, Traps, Bottom trawls.  
**Distinctive Characters:** Dorsal fin with 11 spines and 13–16 rays; anal fin with 3 spines and 8 soft rays; pectoral fins with 18–20 rays.  
**Colour:** Background colour tan dorsally, shading to whitish ventrally, with small brownish orange spots; body with 5 faint irregular greyish bars which bifurcate ventrally.

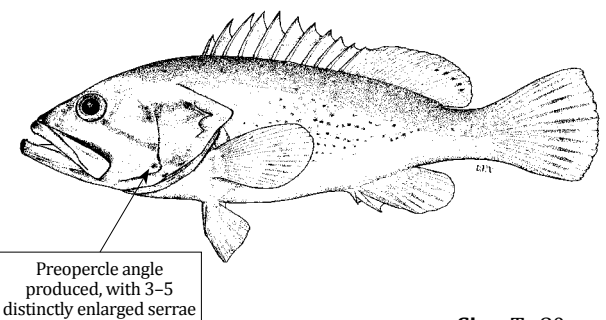


**Size:** To 120 cm

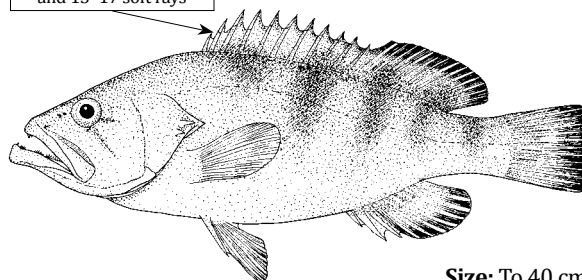
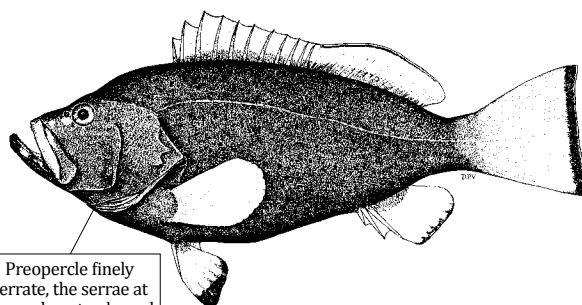
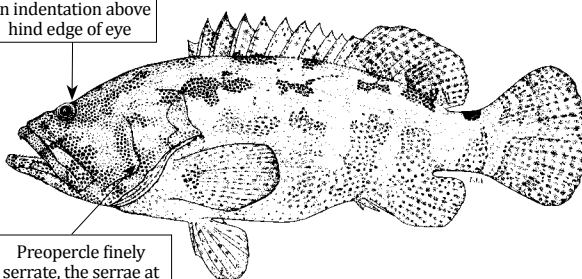
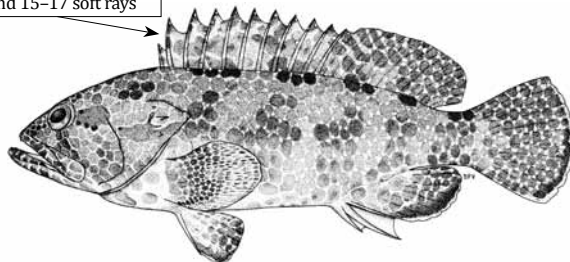
***Epinephelus epistictus* (Temminck & Schlegel, 1842)**

**(Plate IV, 31)** **FAO names:** Dotted grouper (En)  
Mérour pâle (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Rocky bottoms from 71 m to 290 m.  
**Fisheries:** Hooks and Line, Traps, Bottom trawls.  
**Distinctive Characters:** Upper edge of operculum straight or slightly convex; dorsal fin with 11 spines and 14–15 rays; anal fin with 3 spines and 8 rays; pectoral fins with 17–19 rays.  
**Colour:** Background colour pale brownish to greyish; faint brownish black dots usually visible on dorso–lateral part of body and sometimes on postorbital part of head; faint dark band from eye to end of operculum.



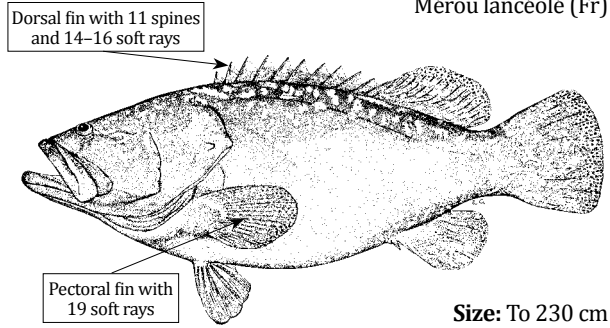
**Size:** To 80 cm

***Epinephelus fasciatus*** (Forsskål, 1775)**(Plate IV, 32)****FAO names:** Blacktip grouper (En)  
Mérour oriflamme (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Rocky bottoms from 4 m to 160 m.**Fisheries:** Hooks and Line, Traps, Bottom trawls.**Distinctive Characters:** Interorbital area flat; preopercle rounded, the rear edge finely serrate, with lowermost serrae slightly enlarged; upper edge of operculum straight.**Colour:** Ground colour varying from pale greenish-grey to pale reddish-yellow to scarlet; body often with 5 or 6 faint dark bars, the last on peduncle; fins reddish-orange or pale yellow.Dorsal fin with 11 spines  
and 15-17 soft rays**Size:** To 40 cm***Epinephelus flavocaeruleus*** (Lacepède, 1802)**FAO names:** Blue-and-yellow grouper (En)  
Mérour faraud (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Juveniles occur in shallow coral reefs; adults on deep reefs down to 150 m.**Fisheries:** Hooks and Line, Spears.**Distinctive Characters:** Adults (> 40 cm SL) with rear nostrils much larger than anterior ones; dorsal fin with 9 spines and 15-17 rays; anal fin with 3 spines and 8 soft rays; 18-19 pectoral-fin rays.**Colour:** Background colour dark greyish, dark blue, violet or almost black; head and body dark bluish-violet to greyish-blue; fins and jaws bright yellow; distal third of pelvic fins black in some fish.Preopercle finely  
serrate, the serrae at  
the angle not enlarged**Size:** To 90 cm***Epinephelus fuscoguttatus*** (Forsskål, 1775)**(Plate IV, 33)****FAO names:** Brown-marbled grouper (En)  
Mérour marron (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Coral and rocky bottoms down to 60 m.**Fisheries:** Hooks and Line, Traps, Spears.**Distinctive Characters:** Front nostril tiny, rear one oval or triangular; anal fin with 3 spines and 8 soft rays; 18-20 pectoral-fin rays.**Colour:** Generally brownish with many small dark spots on body and fins and large irregular dark blotches on head and body overlying smaller dark spots; a brownish-black saddle-blotch on top of caudal peduncle.An indentation above  
hind edge of eyePreopercle finely  
serrate, the serrae at  
the angle not enlarged**Size:** To 120 cm***Epinephelus hexagonatus*** (Forster, 1801)**(Plate IV, 34)****FAO names:** Starspotted grouper (En)  
Mérour mélifère (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Rocky or coral reefs from 1 m to 37 m.**Fisheries:** Hooks and Line, Spears.**Distinctive Characters:** Preopercle rounded, the ventral serrae slightly enlarged; upper edge of opercle convex; anal fin with 3 spines and 8 rays.**Colour:** Small but conspicuous triangular white spots on the corners of the brown hexagons of the vertical fins and of the body, except the belly; four to six dark blotches along the dorsal-fin base.Dorsal fin with 11 spines  
and 15-17 soft rays**Size:** To 28 cm

***Epinephelus lanceolatus* (Bloch, 1790)**

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Shallow and deep waters down to 100 m.  
**Fisheries:** Hooks and Line, Spears.  
**Distinctive Characters:** Eyes small; preopercle rounded, finely serrate; maxilla reaches well past eye; anal fin with 3 spines and 8 soft rays.  
**Colour:** Juveniles variegated brown and yellow, the fins yellow with dark brown or black spots; adults dark greyish or brown with pale mottlings.

**FAO names:** Giant grouper (En)  
 Mérou lancéolé (Fr)



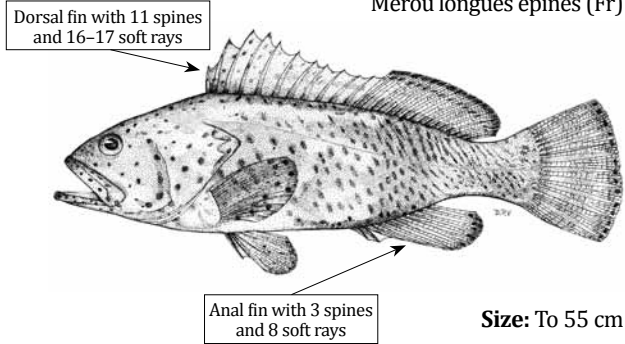
**Size:** To 230 cm

***Epinephelus longispinis* (Kner, 1864)**

**(Plate IV, 35)**

**FAO names:** Longspine grouper (En)  
 Mérou longues épines (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Rocky or coral reefs from 1 m to 70 m.  
**Fisheries:** Hooks and Line, Spears.  
**Distinctive Characters:** Preopercle corner with enlarged serrae and a shallow indentation just above the corner; upper edge of opercle straight or slightly convex.  
**Colour:** Head and body pale greyish-brown, covered with small dark reddish-brown spots round on head and front of body, but obliquely elongated and darker posteriorly.



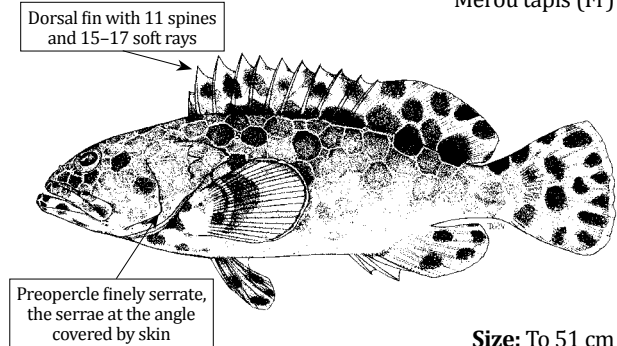
**Size:** To 55 cm

***Epinephelus macrospilos* (Bleeker, 1855)**

**(Plate IV, 36)**

**FAO names:** Snubnose grouper (En)  
 Mérou tapis (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Lagoons and seaward reefs from 5 m to 25 m.  
**Fisheries:** Traps, Gillnets, Handlines, Seines, Spears.  
**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; 18–19 pectoral-fin rays; caudal fin rounded.  
**Colour:** Background colour of head and body with close-set brown and black spots; pale interspaces forming a network pattern; median fins pale with large blackish spots.



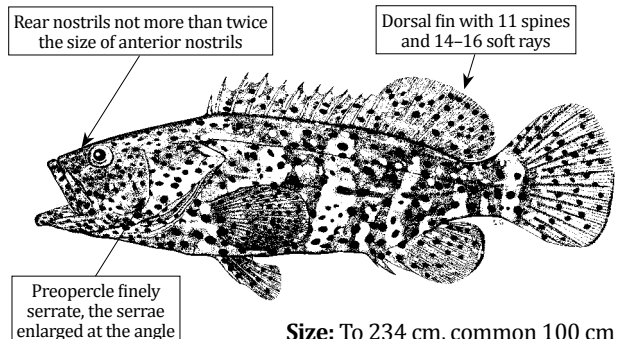
**Size:** To 51 cm

***Epinephelus malabaricus* (Bloch & Schneider, 1801)**

**(Plate IV, 37)**

**FAO names:** Malabar grouper (En)  
 Mérou malabar (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral and rocky reefs, tide pools, estuaries, mangrove swamps and sand or mud bottoms from the shore to 150 m.  
**Fisheries:** Bottom trawls, Longlines, Traps, Spears, Hooks and Line, Seines.  
**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; 18–20 pectoral-fin rays.  
**Colour:** Head, body and fins brownish covered with small blackish brown and white spots; often irregular brown bars visible on body.



**Size:** To 234 cm, common 100 cm

***Epinephelus merra*** Bloch, 1793

(Plate IV, 38)

**FAO names:** Honeycomb grouper (En)  
Méroü gâteau de cire (Fr)

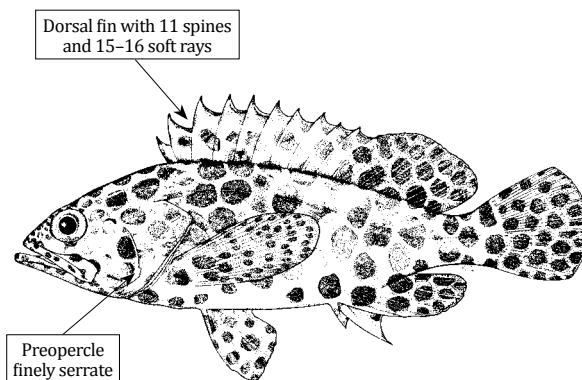
**Local name(s):** N: Tewa chui; S: Tewa chui (M), Tewa (K).

**Habitat:** Lagoons and semi-protected seaward reefs, intertidal waters down to 50 m.

**Fisheries:** Traps, Gillnets, Handlines, Spears.

**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; 16-18 pectoral-fin rays.

**Colour:** A series of about five darker diagonal bands, each two to five hexagons wide, superimposed on sides and radiating from eye; hexagons on sides may coalesce into short rows.



**Size:** To 31 cm

***Epinephelus miliaris*** (Valenciennes, 1830)

**FAO names:** Netfin grouper (En)  
Méroü abeille (Fr)

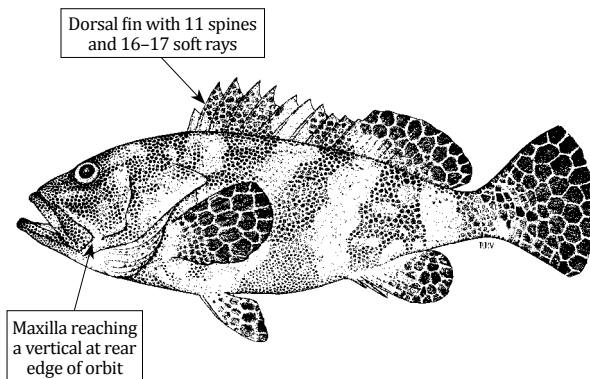
**Local name(s):** N: Tewa chui; S: Tewa chui (M), Tewa (K).

**Habitat:** Juveniles on mud bottoms, seagrass beds, mangrove swamps, and coral reefs from 1 m to 16 m; adults in coral reefs from 18 m to 180 m.

**Fisheries:** Traps, Gillnets, Handlines, Spears.

**Distinctive Characters:** Preopercle subangular, with a shallow notch just above the angle; anal fin with 3 spines and 8 soft rays.

**Colour:** Body and head pale; large spots on the soft-rayed portions of the fins and a fine pattern of small close-set spots on the body and spinous portions of the fins.



**Size:** To 43 cm

***Epinephelus morrhua*** (Valenciennes, 1833)

(Plate V, 39)

**FAO names:** Comet grouper (En)  
Méroü comète (Fr)

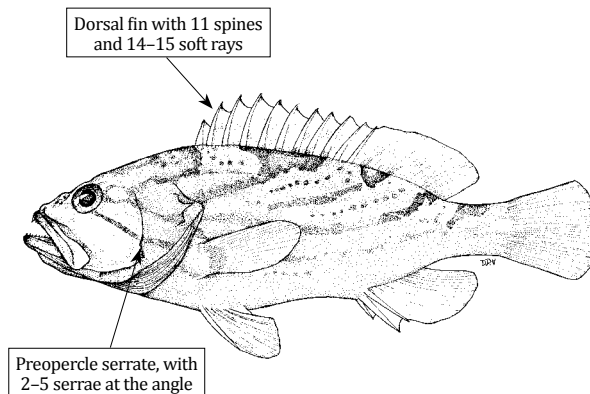
**Local name(s):** N: Tewa/Chewa; S: Tewa (M/K).

**Habitat:** Usually found in deep waters from 80 m to 370 m.

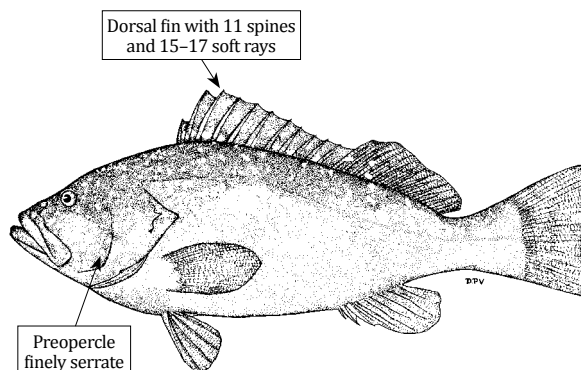
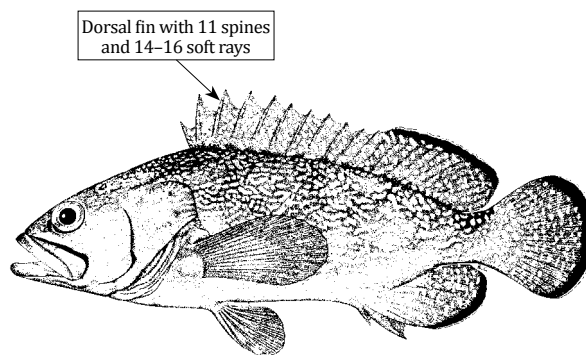
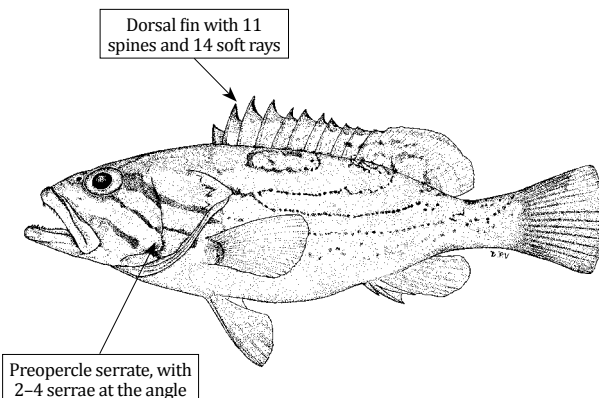
**Fisheries:** Longlines, Hooks and Line, Bottom trawls.

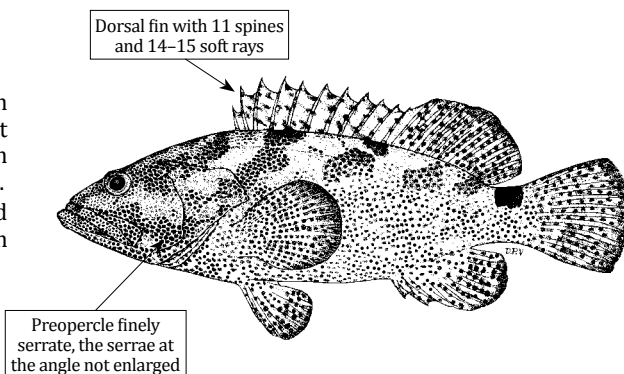
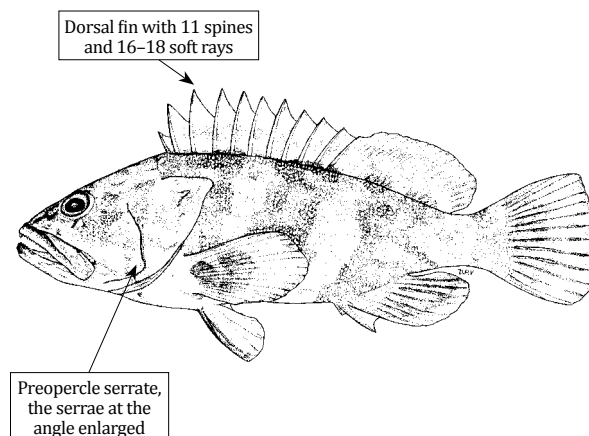
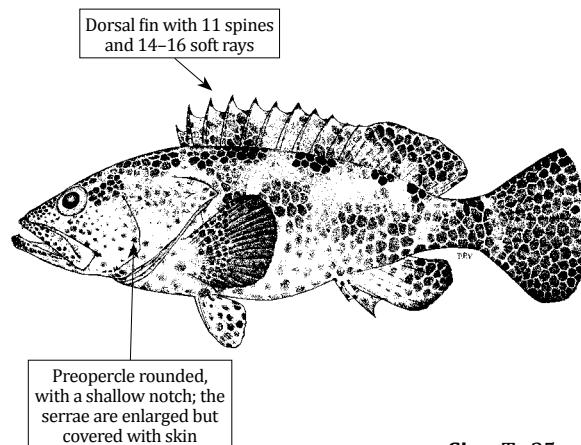
**Distinctive Characters:** Anal fin with 3 spines and 7-8 soft rays; pectoral fins with 17-18 rays; caudal fin slightly to moderately rounded; body scales ctenoid (except on belly) without axillary scales.

**Colour:** Background colour light brownish with dark brown bands; dark bands on head; dark band from upper edge of opercle to blotch below dorsal fin.



**Size:** To 90 cm

***Epinephelus multinotatus*** (Peters, 1876)**(Plate V, 40)****FAO names:** White-blotched grouper (En)  
Méroü plate grise (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Juveniles on inshore coral reefs; adults in deeper waters down to 90 m.**Fisheries:** Hooks and Line, Traps.**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; pectoral fins with 17–18 rays; caudal fin slightly to moderately rounded; scales on body ctenoid (except on belly).**Colour:** Background colour of head and body purplish-grey with whitish spots and blotches; usually dark reddish-brown spots ventrally.**Size:** To 100 cm***Epinephelus ongus*** (Bloch, 1790)**FAO names:** White-streaked grouper (En)  
Méroü à flocons (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Rocky reefs from 150 m to 300 m.**Fisheries:** Hooks and Line, Longlines.**Distinctive Characters:** Interorbital area flat; preopercle rounded, the serrae small and mostly covered by skin; upper edge of operculum strongly convex, the rear edge almost vertical, the upper spine extending posterior to lower spine.**Colour:** Body brown, with numerous small white spots horizontally elongated, tending to form wavy lines.**Size:** To 40 cm***Epinephelus poecilnotus*** (Temminck & Schlegel, 1842)**(Plate V, 41)****FAO names:** Dot-dash grouper (En)  
Méroü morse (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Reef-associated from 45 m to 375 m.**Fisheries:** Hooks and Line, Longlines, Bottom trawls.**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; pectoral fins with 17–18 rays.**Colour:** Background colour in adults pale brownish; spots and bands on body are faint or absent; dark blotches not joining to lower bands; dark bands on the head.**Size:** To 65 cm

***Epinephelus polyphkadion*** (Bleeker, 1849)**(Plate V, 42)****FAO names:** Camouflage grouper (En)  
Mérout camouflage (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Demersal on coral reefs.**Fisheries:** Hooks and Line, Spears, Traps.**Distinctive Characters:** Dorsal head profile with an indentation above hind edge of eye; nape not highly notched; interorbital area flat; anal fin with 3 spines and 8 soft rays; pectoral fins with 17 rays.**Colour:** Background colour pale brown, covered with dark brown spots; irregular dark blotches on body; dark saddle blotch on caudal peduncle.**Size:** To 90 cm***Epinephelus rivulatus*** (Valenciennes, 1830)**(Plate V, 43)****FAO names:** Halfmoon grouper (En)  
Mérout demi-lune (Fr)**Local name(s):** N: Tewa; S: Tewa (M/K).**Habitat:** Rocky bottoms or coral reefs from 10 m to 150 m.**Fisheries:** Handlines, Longlines, Gillnets, Spears.**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; pectoral fins with 17–19 rays.**Colour:** Background colour reddish to greenish-brown, with whitish spots on each scale; dark reddish blotch on pectoral fins; dark reddish band covering most of the pectoral-fin base; 4 irregular dark bands (3<sup>rd</sup> and 4<sup>th</sup> usually joined midlaterally).**Size:** To 37 cm***Epinephelus spilotoceps*** Schultz, 1953**(Plate V, 44)****FAO names:** Foursaddle grouper (En)  
Mérout quatre selles (Fr)**Local name(s):** N: Tewa; S: Tewa chui (M), Tewa (K).**Habitat:** Coral reefs from 1 m to 30 m.**Fisheries:** Hooks and Line, Longlines.**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; 17–19 pectoral-fin rays; caudal fin rounded.**Colour:** Head and body mostly covered with close-set dark brown, olive, or reddish-brown spots; those on the dorso-lateral parts of the head, body, and on median fins polygonal and close-set, with the interspaces forming a white reticulum; those on the ventral portions more rounded, separated and often more reddish; three dark blotches often visible at the base of the dorsal fin and one forming a saddle blotch on the caudal peduncle.**Size:** To 35 cm

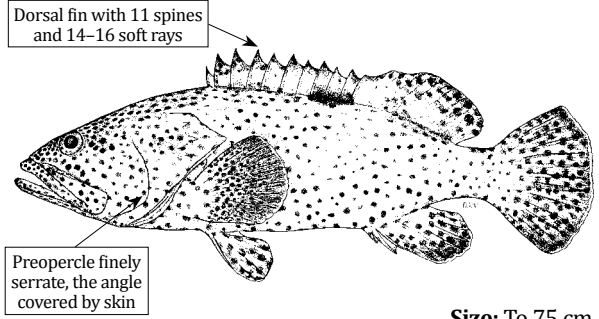


***Epinephelus tauvina*** (Forsskål, 1775)

(Plate V, 45)

**FAO names:** Greasy grouper (En)  
Mérout loutré (Fr)

**Local name(s):** N: Tewa; S: Tewa chui (M), Tewa (K).  
**Habitat:** Coral reefs down to 50 m.  
**Fisheries:** Hooks and Line, Longlines.  
**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; 18–20 pectoral-fin rays; caudal fin rounded.  
**Colour:** Body and fins pale greyish, covered with dull orange–red or red–brown spots not sharply outlined; blackish blotch usually at base of last 4 dorsal spines; dark spots on soft dorsal, caudal and anal fins separated by a pale network in small specimens.



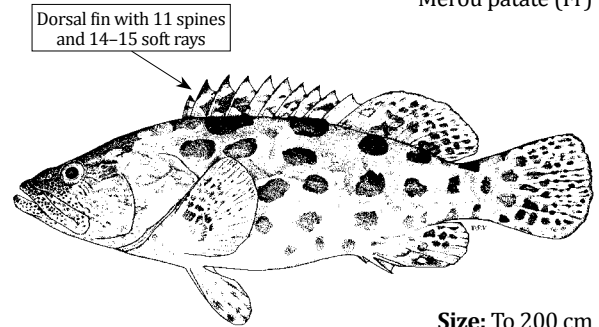
**Size:** To 75 cm

***Epinephelus tukula*** Morgans, 1959

(Plate V, 46)

**FAO names:** Potato grouper (En)  
Mérout patate (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral reefs from 10 m to 150 m.  
**Fisheries:** Hooks and Line, Spears.  
**Distinctive Characters:** Maxilla reaches vertical at rear edge of eye; anal fin with 3 spines and 8–9 soft rays; 19–20 pectoral-fin rays; midlateral body scales ctenoid.  
**Colour:** Background colour pale brownish–grey with several dark brown to black widely spaced blotches, arranged in ventral series; streaks radiating from eye.



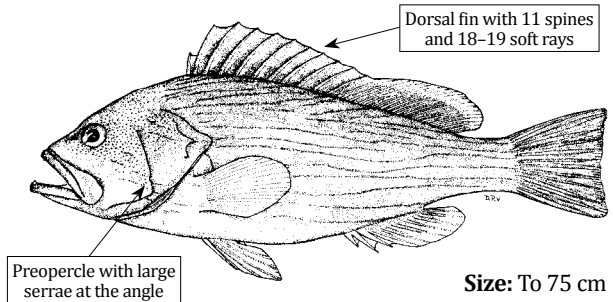
**Size:** To 200 cm

***Epinephelus undulosus*** (Quoy & Gaimard, 1824)

(Plate V, 47)

**FAO names:** Wavy-lined grouper (En)  
Mérout ondulé (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Sand banks from 24 m to 90 m.  
**Fisheries:** Hooks and Line, Longlines, Bottom trawls.  
**Distinctive Characters:** Rear end of maxilla with a distinct protuberance covered by upper lip; anal fin with 3 spines and 8 soft rays; 18–19 pectoral-fin rays; caudal fin truncate to slightly concave.  
**Colour:** Background colour generally purplish–grey or brownish, usually with wavy longitudinal lines on dorsal part of body.

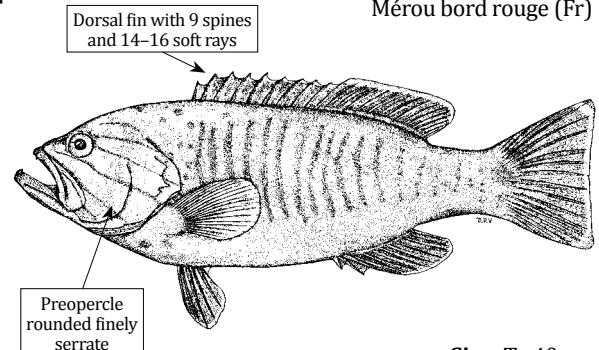


**Size:** To 75 cm

***Gracila albomarginata*** (Fowler & Bean, 1930)

**FAO names:** Masked grouper (En)  
Mérout bord rouge (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Outer reef slopes and channels adjacent to deep water, from 6 m to 120 m.  
**Fisheries:** Hooks and Line, Longlines.  
**Distinctive Characters:** Head smaller than most groupers; dorsal-fin origin over rear end of operculum.  
**Colour:** Adults greenish or reddish–brown to brownish–grey, with several narrow curved dark bars on midlateral part of body; 3 to 5 blue lines across the head; soft dorsal and anal fins with a narrow blue margin.

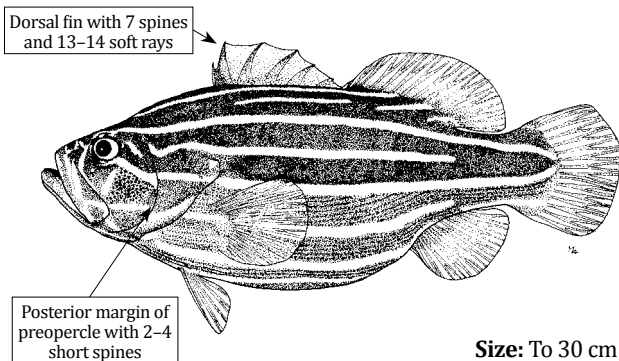


**Size:** To 40 cm

***Grammistes sexlineatus* (Thunberg, 1792)**

FAO names: Goldenstriped soapfish (En)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral and rocky bottoms down to 15 m.  
**Fisheries:** Hooks and Line, Traps.  
**Distinctive Characters:** Mouth large; margins of subopercle and interopercle smooth; a small fleshy flap (smaller than pupil of eye) on tip of chin; anal fin with 2 spines and 9 soft rays; 16–18 pectoral-fin rays.  
**Colour:** Body dark brown to black with yellow stripes (3 in juveniles of about 5 cm SL), increasing to 8 in large adults.



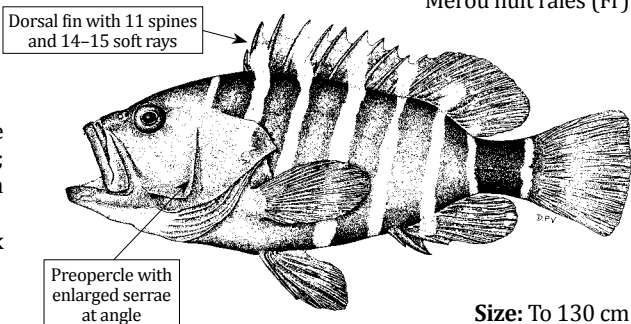
Size: To 30 cm

***Hyporthodus octofasciatus* Griffin, 1926**

(Plate V, 48)

FAO names: Eightbar grouper (En)  
 Mérou huit raies (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Rocky reefs from 150 m to 300 m.  
**Fisheries:** Hooks and Line, Longlines.  
**Distinctive Characters:** Lower edge of subopercle and rear edge of interopercle distinctly serrate; anal fin with 2 spines and 9 rays; pectoral fins with 18–19 rays; caudal fin rounded.  
**Colour:** Background colour pale, with 8 broad dark bars; dark maxillary streak present.



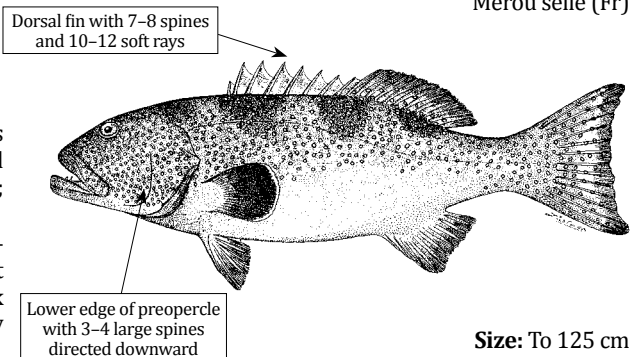
Size: To 130 cm

***Plectropomus laevis* (Lacepède, 1801)**

(Plate VI, 49, 50)

FAO names: Blacksaddled coralgroupier (En)  
 Mérou sellé (Fr)

**Local name(s):** N: Tewa dudu; S: Tewa (M/K).  
**Habitat:** Coral reefs from 4 m to 90 m.  
**Fisheries:** Spears, Traps, Seines, Hooks and Line.  
**Distinctive Characters:** Posterior nostrils elongate, much longer than anterior nostrils; anal fin with 3 spines and 8 soft rays; 17 pectoral rays; caudal fin emarginated, the middle rays shortest.  
**Colour:** Two colour phases: a dark form reddish-brown, with 5 dark bars usually faint or absent with small blue spots; a white form with 5 dark brown bars and scattered blue spots, and yellow fins.



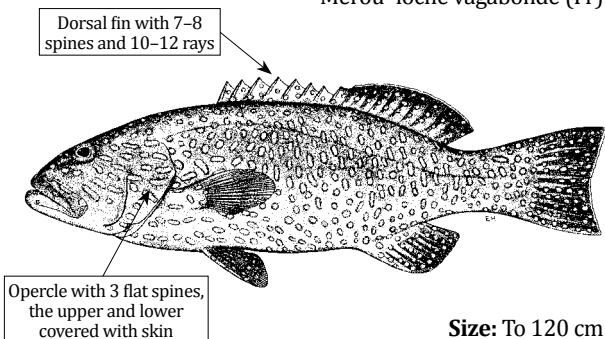
Size: To 125 cm

***Plectropomus pessuliferus* (Fowler, 1904)**\*

(Plate VI, 51)

FAO names: Roving coralgroupier (En)  
 Mérou-loche vagabonde (Fr)

**Local name(s):** N: Tewa; S: Tewa (M/K).  
**Habitat:** Coral reefs from 20 m to 147 m.  
**Fisheries:** Hooks and Line, Spears, Bottom trawls.  
**Distinctive Characters:** Preopercle broadly rounded, with 3 large ventrally-directed spines along lower half; interopercle and subopercle smooth; anal fin with 3 spines and 8 rays; caudal fin emarginate.  
**Colour:** Background colour brownish with numerous small dark-edged blue spots; some spots on head and sides vertically elongate.



Size: To 120 cm

***Plectropomus punctatus*** (Quoy & Gaimard, 1824)

**(Plate VI, 52)** **FAO names:** Marbled coralgroupier (En)  
Mérrou pointillé (Fr)

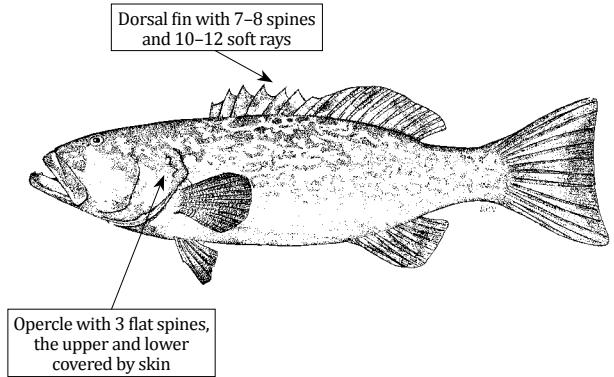
**Local name(s):** N: Tewa dudu; S: Tewa (M), Mjombo (K).

**Habitat:** Coral reefs from 4 m to 90 m.

**Fisheries:** Spears, Traps, Seines, Hooks and Line.

**Distinctive Characters:** Posterior nostrils elongate, much longer than anterior nostrils; anal fin with 3 spines and 8 soft rays; 16–18 pectoral-fin rays; caudal fin emarginate.

**Colour:** Adults brown to reddish or purplish-brown, often irregularly mottled with pale olive-green, orange, or white; no small blue spots, broad dark bars, or wedge-shaped blotches on body; pectoral fins dark brown; body of juveniles brownish dorsally, with numerous round or oval pale spots.



**Size:** To 96 cm

***Variola albimarginata*** Baissac, 1953 \*

**FAO names:** White-edged lyretail (En)  
Croissant queue blanche (Fr)

**Local name(s):** N: Tewa; S: Tewa (M), Tewa miombo, Kikokwe (K).

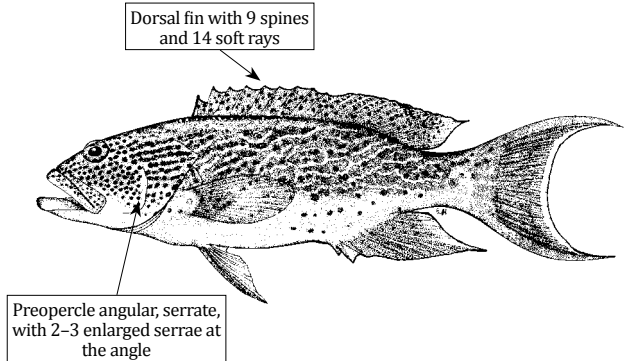
**Habitat:** Seaward reefs from 2 m to 100 m.

**Fisheries:** Hooks and Line, Spears, Traps.

**Distinctive Characters:** Maxilla naked; anal fin with 3 spines and 8 soft rays; 17–19 pectoral-fin rays; caudal fin lunate.

**Colour:** Head, body and median fins yellowish brown to orange-red with numerous even spaced dark brown spots; anal, soft dorsal and caudal fins with white edges.

**Remarks:** Can be distinguished from *V. louti* by the thin white margin on its tail.



**Size:** To 65 cm

***Variola louti*** (Forsskål, 1775)

**FAO names:** Yellow-edged lyretail (En)  
Croissant queue jaune (Fr)

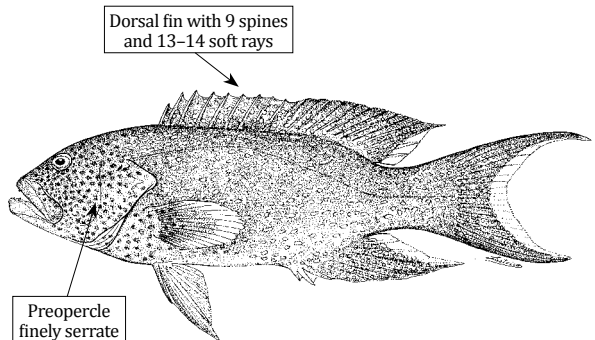
**Local name(s):** N: Tewa; S: Tewa (M), Tewa miombo, Kikokwe (K).

**Habitat:** Coral reefs from 3 m to 250 m.

**Fisheries:** Handlines, Spears, Traps.

**Distinctive Characters:** Sides of lower jaw with 1–2 large canines; anal fin with 3 spines and 8 soft rays; 16–18 pectoral-fin rays; caudal fin crescentic, the upper and lower rays elongate.

**Colour:** Head, body and median fins yellowish-brown to orange-red with small round or elongate blue or pink spots; caudal fin with a broad yellow edge.



**Size:** To 83 cm

## TERAPONTIDAE

### Grunters

#### *Pelates quadrilineatus* (Bloch, 1790)

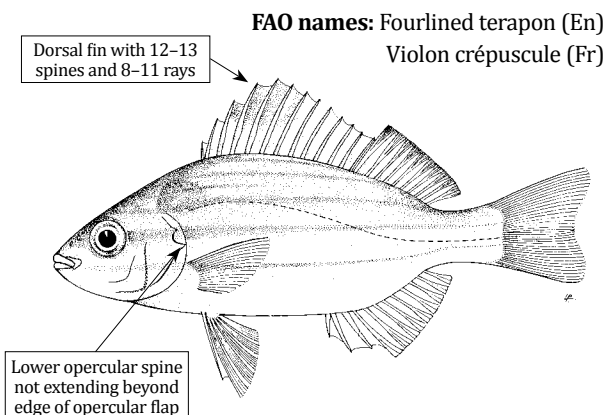
**Local name(s):** N: Chende/Tende; S: Ngagu (M/K).

**Habitat:** Inshore areas, sometimes in brackish waters down to 40 m.

**Fisheries:** Gillnets, Traps, Handlines, Castnets.

**Distinctive Characters:** Anal fin with 3 spines and 9–11 soft rays, the 2<sup>nd</sup> anal spine subequal to the 3<sup>rd</sup> and shorter than longest anal rays.

**Colour:** Body silvery-grey dorsally, silvery-white ventrally; 4–6 narrow, dark brown stripes on body; spiny part of dorsal fin and behind gill opening with blotches; mouth and gill cavity red in life.



**Size:** To 30 cm, common 20 cm

#### *Terapon jarbua* (Forsskål, 1775) (Plate VI, 53)

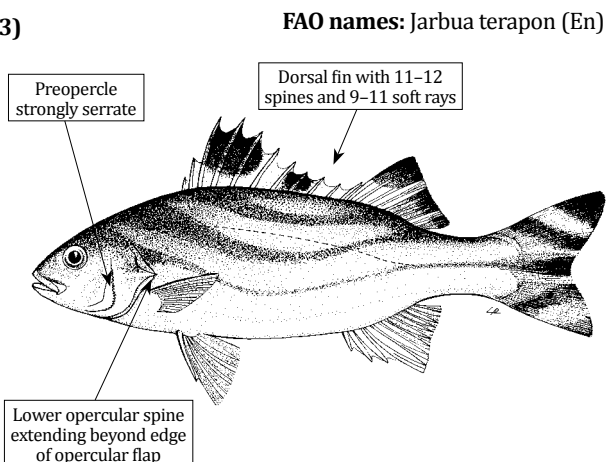
**Local name(s):** N: Chende/Tende; S: Ngagu (M/K).

**Habitat:** Inshore waters often in brackish waters down to 40 m.

**Fisheries:** Gillnets, Traps, Handlines, Cast nets.

**Distinctive Characters:** Anal fin with 3 spines and 7–10 soft rays; 2<sup>nd</sup> anal spine subequal to 3<sup>rd</sup> spine and shorter than longest anal rays; caudal fin emarginate.

**Colour:** Body silvery dorsally and silvery white ventrally; 3–4 black curved stripes on body; dorsal fin with black bands on upper portions of fin membranes; caudal fin with median rays pigmented; both caudal lobes with dark tips and transverse bands.



**Size:** To 36 cm, common 25 cm

#### *Terapon puta* Cuvier, 1829

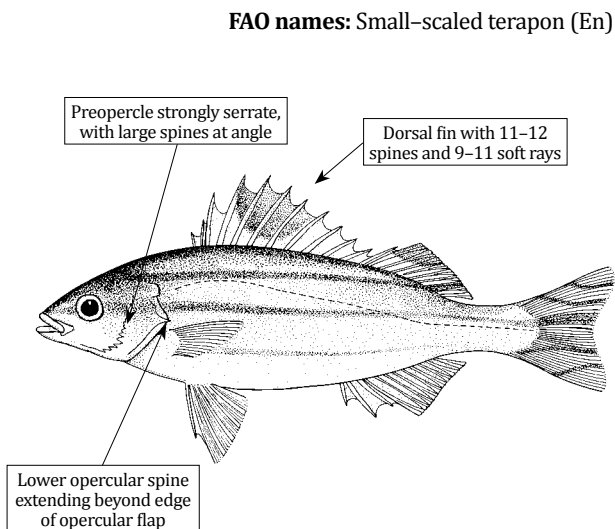
**Local name(s):** N: Chende/Tende; S: Ngagu (M/K).

**Habitat:** Inshore areas sometimes in brackish waters down to 40 m.

**Fisheries:** Gillnets, Traps, Handlines, Castnets.

**Distinctive Characters:** Body somewhat elongate; spiny part of dorsal fin strongly arched and deeply notched, 5<sup>th</sup> and 6<sup>th</sup> spines longest; margin of soft part of dorsal fin straight or emarginate; anal fin with 3 spines and 8–9 soft rays, 2<sup>nd</sup> spine shorter than the 3<sup>rd</sup> spine; margin of soft part of anal and caudal fins emarginate.

**Colour:** Body light grey or brown dorsally; tan or silvery-white ventrally; 4 narrow dark brown stripes on body; juveniles with 6–7 light grey vertical bars; dorsal fin with a black blotch; caudal lobes with dark tips and transverse bands.

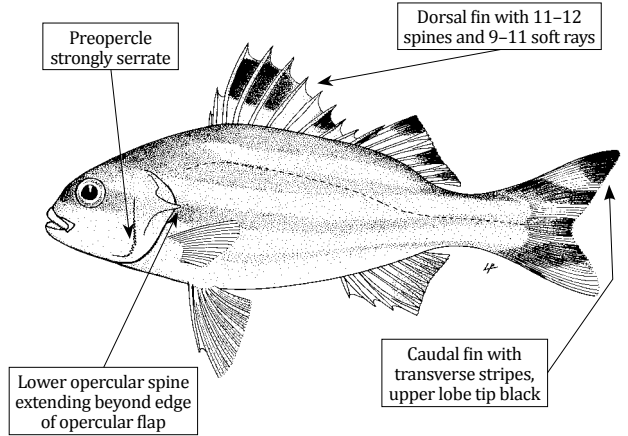


**Size:** To 16 cm, common 12 cm

***Terapon theraps* Cuvier, 1829**

**FAO names:** Largescaled terapon (En)

**Local name(s):** N: Chende/Tende; S: Ngagu (M/K).  
**Habitat:** Inshore areas, sometimes in brackish waters down to 40 m.  
**Fisheries:** Gillnets, Traps, Handlines, Castnets.  
**Distinctive Characters:** Body oblong compressed; spiny part of dorsal fin strongly arched and deeply notched; 3<sup>rd</sup> to 6<sup>th</sup> dorsal spine longest; anal fin with 3 spines and 7–9 soft rays, 3<sup>rd</sup> spine longest; caudal fin emarginate with rounded lobes.  
**Colour:** Body dusky dorsally, silvery-white ventrally; 4 dark brown stripes almost straight and broad on body; juveniles with 6–7 vertical bars; dorsal fin with black blotches; soft part of dorsal fin with a dark band along upper portions of anterior rays and a horizontal band on posterior rays.



**Size:** To 30 cm

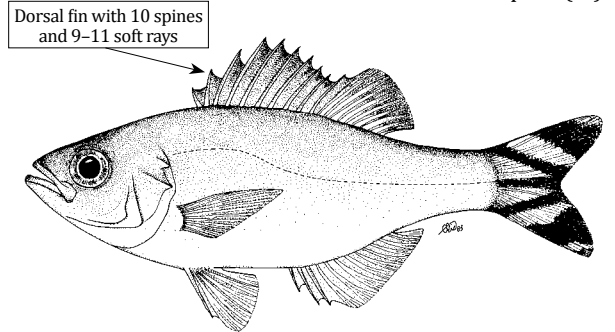
**KUHLIIDAE**

**Aholeholes**

***Kuhlia mugil* (Forster, 1801) (Plate VI, 54)**

**FAO names:** Barred flagtail (En)  
 Crocro drapeau (Fr)

**Local name(s):** N: No information; S: Haruni (K).  
**Habitat:** Often found schooling near reefs.  
**Fisheries:** Lines, Beach seines, Cast nets.  
**Distinctive Characters:** Maxilla not reaching vertical through middle of eye; 10–12 gill rakers on upper limb and 23–26 on lower limb of 1<sup>st</sup> arch; anal fin with 3 spines and 9–11 soft rays; 14 pectoral–fin rays; 48–53 lateral–line scales plus 5 or 6 on caudal fin.  
**Colour:** Head and body silvery, with dorsal parts bluish–grey; two prominent oblique black bands across each lobe of caudal fin and a narrower black band along middle rays of the fin.

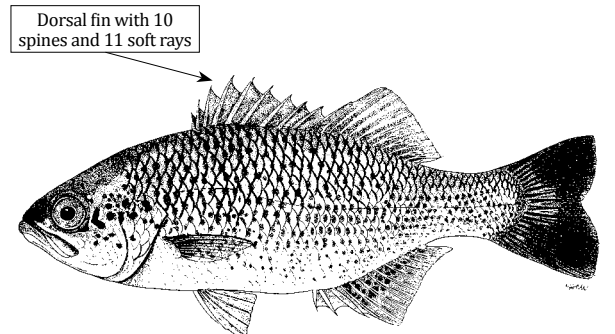


**Size:** To 40 cm, common 20 cm

***Kuhlia rupestris* (Lacepède, 1802)**

**FAO names:** Rock flagtail (En)  
 Crocro sauvage (Fr)

**Local name(s):** N: No information; S: Haruni (K).  
**Habitat:** Estuaries and freshwater.  
**Fisheries:** Lines, Beach seines, Cast nets.  
**Distinctive Characters:** Maxilla reaches to or beyond vertical through middle of eye; anal fin with 3 spines and 10 soft rays; 13–14 pectoral–fin rays; caudal fin emarginate.  
**Colour:** Head and body silvery; scales usually with a dark spot; soft dorsal fin with a broad dark margin narrowing posteriorly; caudal fin of juveniles with a blackish blotch on each lobe, spreading to form a broad band in adults; anal fin usually with a small dark spot.



**Size:** To 45 cm

## PRIACANTHIDAE

### Bigeyes – Glasseyes – Bullseyes

***Cookeolus japonicus*** (Cuvier, 1829)\*

**FAO names:** Longfinned bullseye (En)

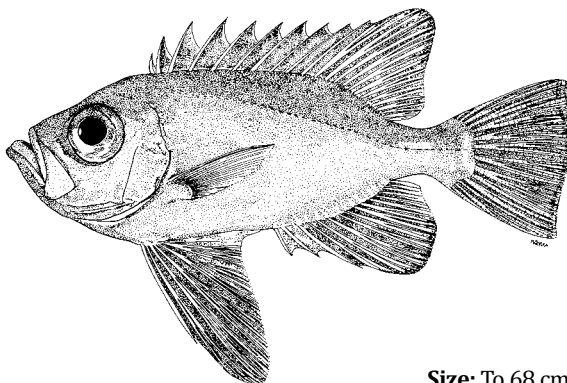
**Local name(s):** N: No information; S: Bwanaheri (M), Haruni (K).

**Habitat:** Inhabits waters from 60 m to 400 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Dorsal fin single with 10 spines and 12–13 soft rays; anal fin with 3 spines and 11–16 soft rays; dorsal spines increase regularly in length from first to last; 10<sup>th</sup> spine more than twice length of 2<sup>nd</sup> spine; soft portions of dorsal and anal fins elongate; pelvic fins very long in adults.

**Colour:** Background colour silvery–reddish, paler ventrally; membranes of dorsal and anal fins dark anteriorly; ventral membrane blackish, rays pale.



**Size:** To 68 cm

***Heteropriacanthus cruentatus*** (Lacepède, 1801)

**FAO names:** Glasseye (En)

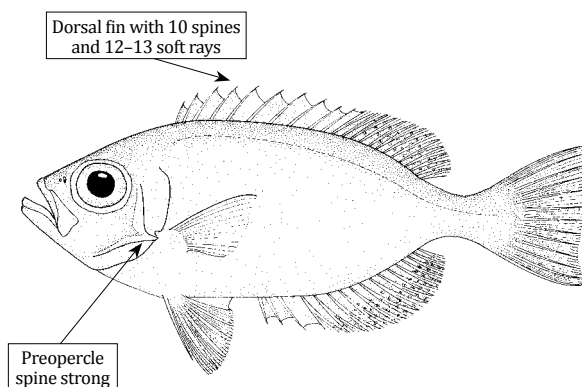
**Local name(s):** N: No information; S: Bwanaheri (M), Haruni (K).

**Habitat:** Shallow waters on coral reefs and rocky bottoms by day and migrates to feed at night. Maximum depth 300 m.

**Fisheries:** Hooks and Line, Traps.

**Distinctive Characters:** Anal fin with 3 spines and 13–14 soft rays; pectoral fins with 18–19 soft rays; adults with well-developed U-shaped gaps under preopercular spine and junction of subopercle and interopercle.

**Colour:** Silvery or reddish or mottled silvery and red; ventral part of body uniformly pale or dusky, but without distinct spots; caudal, soft dorsal and soft anal fins usually with dark spots.



**Size:** To 50 cm, common 20 cm

***Priacanthus blochii*** Bleeker, 1853)\*

**FAO names:** Paeony bulleye (En)  
Beauclair pivoine (Fr)

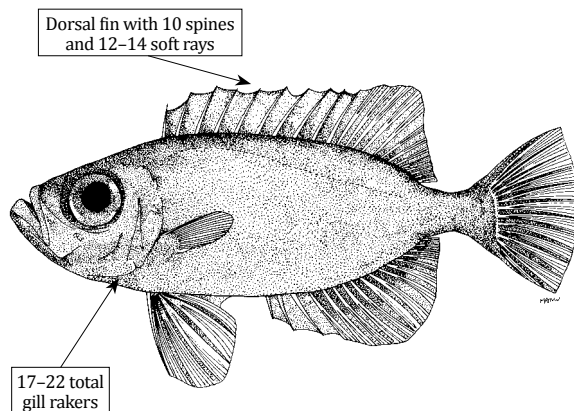
**Local name(s):** N: No information; S: Bwanaheri (M), Haruni (K).

**Habitat:** Benthic in shallow coastal waters, over reefs or rocky bottoms, usually down to 35 m.

**Fisheries:** Handlines.

**Distinctive Characters:** Eyes very large; mouth large and oblique, the lower jaw strongly projecting, the maxilla reaching approximately to below front margin of pupil; spine at corner of preopercle short in adults, variable in young; posterior portion of preopercle, above and below spine, scaled; soft portions of dorsal and anal fins broadly rounded; soft anal fin with 14–15 rays; pelvic fins about equal to head length; caudal fin rounded.

**Colour:** Body and fins pinkish to scarlet; pelvic fins with a black spot basally; iris red.



**Size:** To 35 cm

***Priacanthus hamrur*** (Forsskål, 1775) \*

**FAO names:** Moontail bullseye (En)  
Beauclair miroir (Fr)

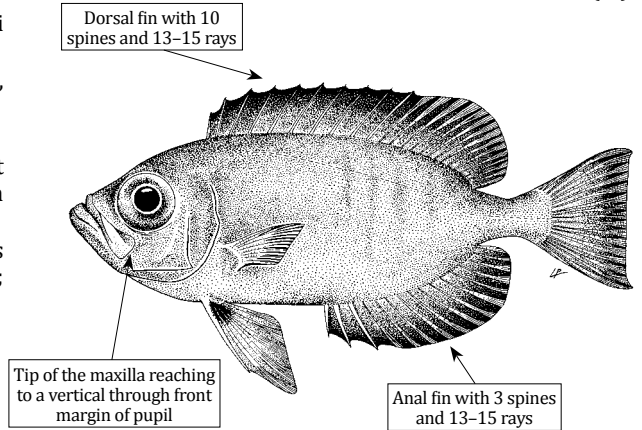
**Local name(s):** N: No information; S: Bwanaheri (M), Haruni (K).

**Habitat:** Bottom dwelling in shallow waters, associated with coral and rocky reefs.

**Fisheries:** Handlines, Gillnets.

**Distinctive Characters:** Eyes very large; spine at corner of preopercle short in adults, variable in young; caudal fin crescentic to emarginate.

**Colour:** Red in colour with 15 small dark spots along lateral line; median and pelvic fins dusky red; black spot at base of 1<sup>st</sup> three pelvic rays.



**Size:** To 40 cm, common 30 cm

***Priacanthus prolixus*** Starnes, 1988 \*

**FAO names:** Elongate bulleye (En)

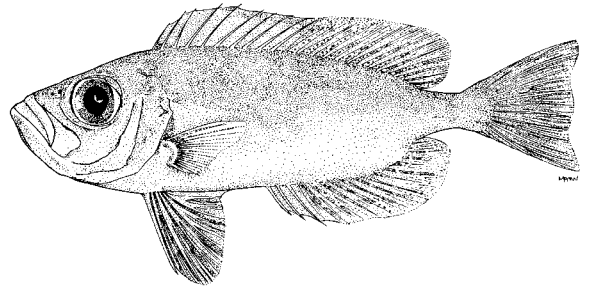
**Local name(s):** N: No information; S: Bwanaheri (M), Haruni (K).

**Habitat:** Open bottoms from 35 m to 250 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Body elongate; denticles on leading edge of lachrymal bone (before eye) of about uniform size throughout; dorsal fin continuous with 10 spines and 13-15 soft rays; anal fin with 3 spines and 12-15 soft rays; spiny dorsal with longest spine posteriorly; pelvic fins less than, or about equal to head length.

**Colour:** No information.



**Size:** To 25 cm

***Pristigenys nipponia*** (Cuvier, 1829) \*

**FAO names:** Japanese bigeye (En)

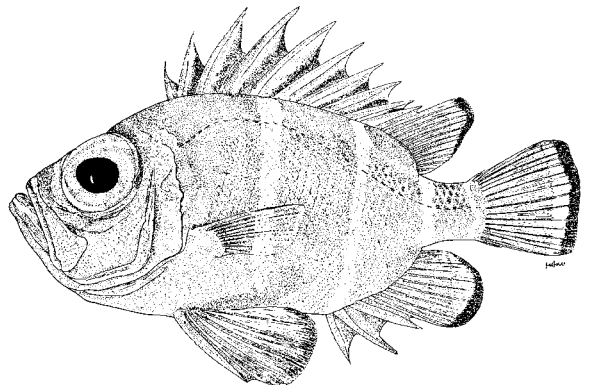
**Local name(s):** N: No information; S: Bwanaheri (M), Haruni (K).

**Habitat:** Coastal waters, in rocky habitats from 80 m to 100 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Dorsal fin with 10 spines and 11-12 soft rays; anal fin with 3 spines and 10-11 soft rays; pectoral fins with 18-19 soft rays.

**Colour:** Body bright scarlet with 3 or 4 narrow pale vertical bars; median fins with narrow black margin; pelvic fins dark red, blackish distally.



**Size:** To 27 cm

**SILLAGINIDAE**

## Smelt-whitings

***Sillago aeolus*** Jordan and Evermann, 1902

**Local name(s):** N: Mtokoza; S: Jelisi (M).

**Habitat:** Shallow sandy bottoms offshore and bays; also in estuaries down to 60 m.

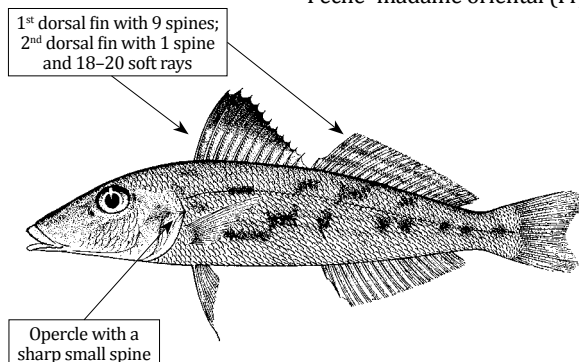
**Fisheries:** Seines, Cast nets, Handlines, Bottom trawls.

**Distinctive Characters:** Body elongate, slightly compressed; pelvic-fins origin slightly behind origin of pectoral fins; anal fin with 2 spines and 17–19 soft rays.

**Colour:** Body colour is silvery with scattered dark brown elongate blotches on the sides.

**FAO names:** Oriental sillago (En)

Pêche-madame oriental (Fr)



**Size:** To 30 cm, common 20 cm

***Sillago chondropus*** Bleeker, 1849

**Local name(s):** N: Mtokoza; S: Jelisi (M).

**Habitat:** Shallow coastal waters and bays; also in estuaries down to 5 m.

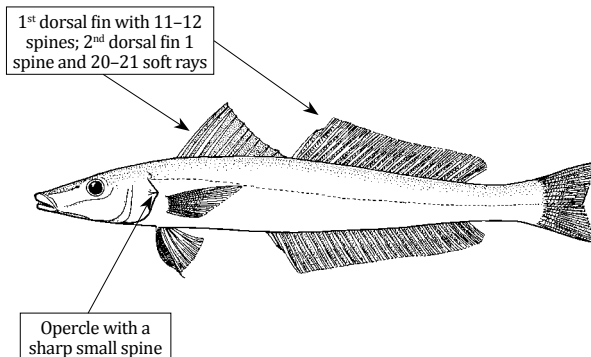
**Fisheries:** Seines, Cast nets, Handlines, Bottom trawls.

**Distinctive Characters:** Body elongate; anal fin with 2 spines and 22–33 soft rays; pelvic fins with a minute spine and 1<sup>st</sup> ray greatly thickened to form a club-like structure.

**Colour:** Back pale brown; lower ventral flanks and belly paler; adult silver-grey; fins pale, the 1<sup>st</sup> dorsal fin with dusky tip.

**FAO names:** Clubfoot sillago (En)

Pêche-madame diablotin (Fr)



**Size:** To 35 cm, common 25 cm

***Sillago sihama*** (Forsskål, 1775)

**Local name(s):** N: Mtokoza; S: Jelisi (M), Mkupi (K).

**Habitat:** Common along beaches, sandbars, mangrove creeks and estuaries; recorded from freshwater. Maximum depth 60 m.

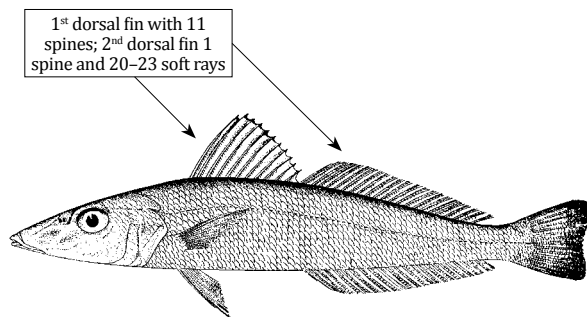
**Fisheries:** Seines, Cast nets, Handlines, Bottom trawls.

**Distinctive Characters:** Body elongate; anal fin with 2 spines and 18–23 soft rays.

**Colour:** Back light brown; lower ventral flanks and belly whitish or silvery, without dark blotches.

**FAO names:** Silver sillago (En)

Pêche-madame argenté (Fr)



**Size:** To 30 cm, common 25 cm



**MALACANTHIDAE**

## Bianquillos – Tilefishes

***Malacanthus latovittatus*** (Lacepède, 1801)

**Local name(s):** N & S: No information.

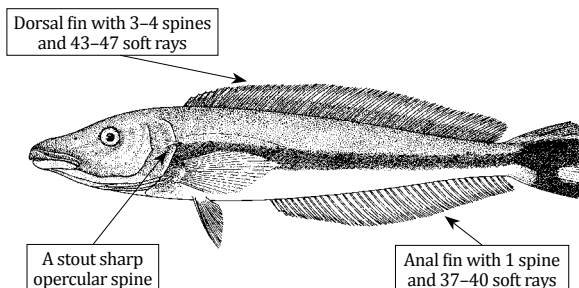
**Habitat:** Inhabits burrows in sand and rubble bottoms near reefs in shallow waters.

**Fisheries:** Hooks and Line, Traps.

**Distinctive Characters:** Jaws reaching posteriorly only to below anterior nostril, well in front of eye.

**Colour:** Upper body olive-grey to blue-violet, ventral portion whitish; a broad black stripe running the length of the body; caudal fin black with a small white rectangular area; head blue, iris yellow.

**FAO names:** Blue blanquillo (En)  
Matajuel bleu (Fr)



**Size:** To 45 cm, common 35 cm

**LACTARIIDAE**

## False trevallies – Hulk trevallies

***Lactarius lactarius*** (Bloch & Schneider, 1801) \*

**Local name(s):** N & S: No information.

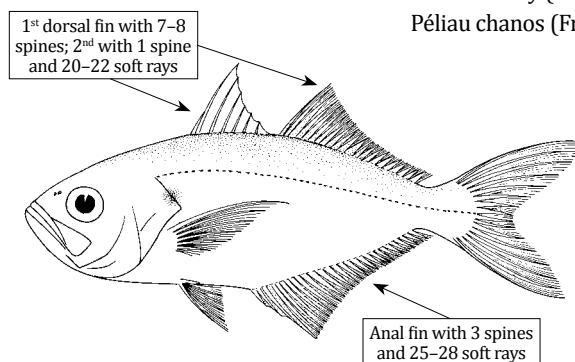
**Habitat:** Coastal deeper waters down to 100 m.

**Fisheries:** Bottom trawls, Boat seines, Traps.

**Distinctive Characters:** Maxilla reaching to posterior 1/3 of eye; mouth large and oblique, with a prominent lower jaw; caudal fin forked.

**Colour:** Silvery-grey with blue iridescence above; silvery white below; a dusky spot on upper part of gill cover; fins all pale yellow; dorsal and caudal fins sometimes with dusky margins; the blue iridescence and sometimes the yellow of the fins are lost some hours after death.

**FAO names:** False trevally (En)  
Pélieau chanos (Fr)



**Size:** To 40 cm, common 30 cm

**POMATOMIDAE**

## Bluefishes

***Pomatomus saltatrix*** (Linnaeus, 1766) (Plate VI, 55)

**FAO names:** Bluefish (En)  
Tassergal (Fr)

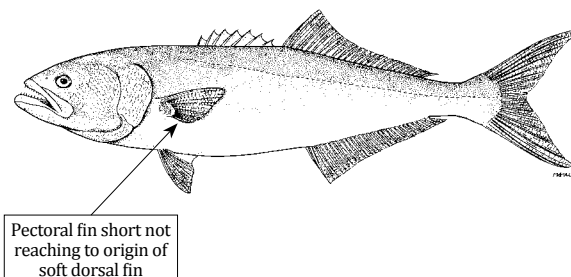
**Local name(s):** N: Birinji; S: Birinzi/Kipepeo (M), Jamee (K).

**Habitat:** Oceanic and coastal waters.

**Fisheries:** Gillnets, Lines, Purse seines.

**Distinctive Characters:** Mouth large, terminal, lower jaw sometimes slightly projecting; two dorsal fins, the 1<sup>st</sup> short and low, with 7-8 feeble spines connected by a membrane, the 2<sup>nd</sup> long with 1 spine and 23-28 soft rays; anal fin a little shorter than soft dorsal fin with 2 spines and 23-27 soft rays; caudal fin forked, but not so deeply.

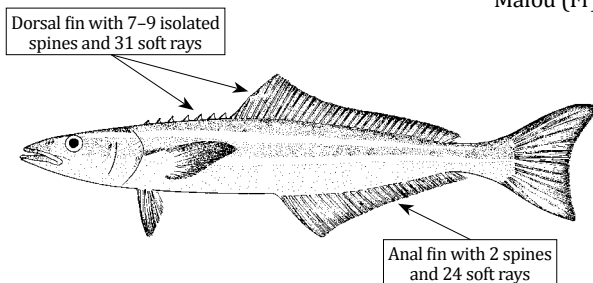
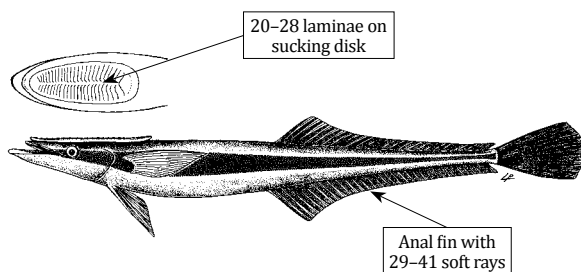
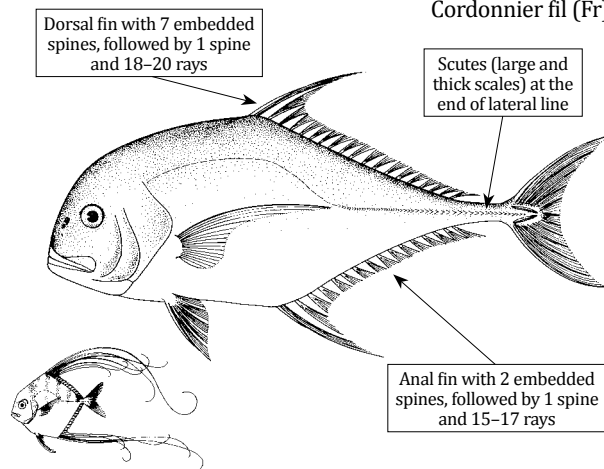
**Colour:** Back greenish blue, sides and belly silvery; dorsal and anal fins pale green tinged with yellow; pectoral fins bluish at base; caudal fin dull greenish tinged with yellow.



**Size:** To 130 cm, common 60 cm

**RACHYCENTRIDAE****Cobias*****Rachycentron canadum*** (Linnaeus, 1766)

(Plate VI, 56)

FAO names: Cobia (En)  
Mafou (Fr)**Local name(s):** N: Songoro; S: Songoro (M/K).**Habitat:** Pelagic, but also over shallow coral reefs, occasionally in estuaries.**Fisheries:** Handlines, Bottom trawls, Trolling gears, Driftnets, Floating gillnets.**Distinctive Characters:** Head broad and depressed; mouth large, terminal, with projecting lower jaw; pectoral fins pointed; caudal fin lunate in adults, upper lobe longer than lower.**Colour:** Back and sides dark brown, with 2 sharply defined narrow light bands; belly yellowish.**Size:** To 200 cm, common 110 cm**ECHENEIDAE****Remoras - Sharksuckers*****Echeneis naucrates*** Linnaeus, 1758FAO names: Live sharksucker (En)  
Rémora commun (Fr)**Local name(s):** N: Tadha; S: Kibuzi mulo (M), Kibuzi muro, Mbuzi mro (K).**Habitat:** Coastal and oceanic waters.**Fisheries:** Seines, Handlines, Gillnets.**Distinctive Characters:** Jaws broad, the lower projecting beyond the upper; pectoral fins short and pointed; caudal fin lanceolate in young, the middle rays elongate and filamentous, almost truncate in adults.**Colour:** Dark longitudinal band on sides bordered with white; juveniles with upper and lower margins of fins white.**Size:** To 110 cm**CARANGIDAE****Jacks - Trevallies - Scads - Queen-fishes - Runners - Pompanos*****Alectis ciliaris*** (Bloch, 1787)FAO names: African pompano (En)  
Cordonnier fil (Fr)**Local name(s):** N: Sese/Beberu; S: Kolekole ngamia (M), Kolekole.**Habitat:** Adults in shallow coastal waters; young are pelagic. Maximum depth 100 m.**Fisheries:** Hooks and Line, Gillnets, Beach Seines.**Distinctive Characters:** Body deep becoming more elongate with growth, and very compressed; anterior soft rays of dorsal and anal fins extremely long and filamentous in young; pectoral fins falcate, longer than head; pelvic fins elongate in young; 17-22 lower gill rakers.**Colour:** Mostly silvery with a light metallic bluish tinge on upper 1/3 of body and head; juveniles with 5 chevron-shaped dark bars on body, and a black blotch at base of 3<sup>rd</sup> to 6<sup>th</sup> soft dorsal-fin ray; filaments black distally.

Juvenile of 13 cm SL

**Size:** To 150 cm; common 100 cm (FL)

***Alectis indica* (Rüppell, 1830) (Plate VI, 57)**

**Local name(s):** N: Sese/Beberu; S: Kolekole ngamia (M), Kolekole (K).

**Habitat:** Adults in coastal waters; juveniles often enter estuaries. Maximum depth more than 60 m.

**Fisheries:** Hooks and Line, Gillnets, Beach seines.

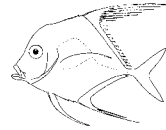
**Distinctive Characters:** Profile of head and nape somewhat angular; body deep, becoming more elongate with growth, and very compressed; anterior soft rays of dorsal and anal fins extremely long and filamentous in young; pectoral fins falcate, longer than head; pelvic fins elongate in young; 21–26 lower gill rakers.

**Colour:** Mostly silvery with a dusky green tinge dorsally; juveniles with dark bars on body; dorsal fin pale with leading edges at tips of rays dusky; anal fin pale yellow and caudal fin dusky green.

Dorsal fin with 6 embedded spines, followed by 1 spine and 18–20 rays

Scutes (large and thick scales) at the end of lateral line

Anal fin with 2 embedded spines, followed by 1 spine and 15–17 rays



Juvenile

**Size:** To 150 cm, common 100 cm (FL)

**FAO names:** Indian threadfish (En)  
Cordonnier plume (Fr)

***Alepes djedaba* (Forsskål, 1775) (Plate VI, 58)**

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole fuamaji (M), Kolekole (K).

**Habitat:** Common in near inshore reefs.

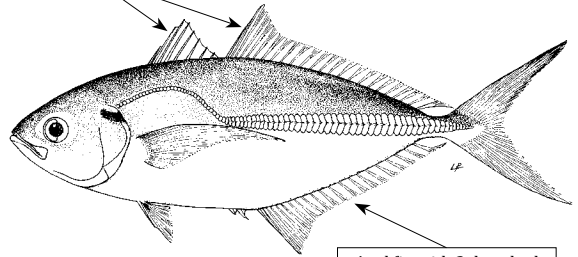
**Fisheries:** Hooks and Line, Gillnets, Beach seines.

**Distinctive Characters:** Body oblong, compressed; snout pointed; spiny dorsal fin moderately high, longest spine about equal to length of soft dorsal-fin lobe.

**Colour:** Greyish-green above, silvery to white below; a distinct black blotch on margin of opercle, bordered above by a smaller white spot; spiny dorsal fin pale to dark dusky; dorsal-fin lobe dusky, pale distally; caudal fin yellowish, except upper lobe often dusky to black distally; other fins pale.

1<sup>st</sup> dorsal fin with 8 spines; 2<sup>nd</sup> with 1 spine and 23–25 soft rays

Anal fin with 2 detached spines, followed by 1 spine and 18–20 rays



**Size:** To 40 cm, common 25 cm (FL)

**FAO names:** Shrimp scad (En)  
Sélar subari (Fr)

***Atule mate* (Cuvier, 1833)**

**Local name(s):** N: Kolekole/Kambisi/Kanaa; S: Kolekole (M/K).

**Habitat:** Pelagic species occurring down to 50 m.

**Fisheries:** Hooks and Line, Gillnets, Seines.

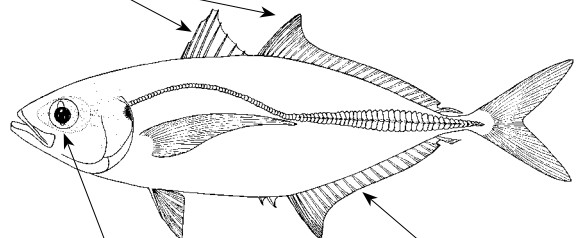
**Distinctive Characters:** Terminal dorsal and anal-fin rays finlet-like in adults, about twice length of adjacent rays and a little more separated but joined by interradiated membranes; pectoral fins long and falcate; lateral line gently arched anteriorly, its straight part with 36–49 scutes.

**Colour:** Bright olive-green dorsally, yellowish-green laterally and whitish ventrally; dorso-laterally, 9 or 10 faint grey bars; a black spot, slightly smaller than eye, on upper margin of opercle and adjacent area of shoulder.

1<sup>st</sup> dorsal fin with 8 spines; 2<sup>nd</sup> with 1 spine and 22–25 soft rays

Adipose eyelid completely covering eye except for a vertical slit

Anal fin with 2 detached spines, followed by 1 spine and 18–21 rays



**Size:** To 30 cm, common 26 cm (FL)

**FAO names:** Yellowtail scad (En)  
Sélar queue jaune (Fr)

***Carangoides armatus* (Rüppell, 1830)**

FAO names: Longfin trevally (En)

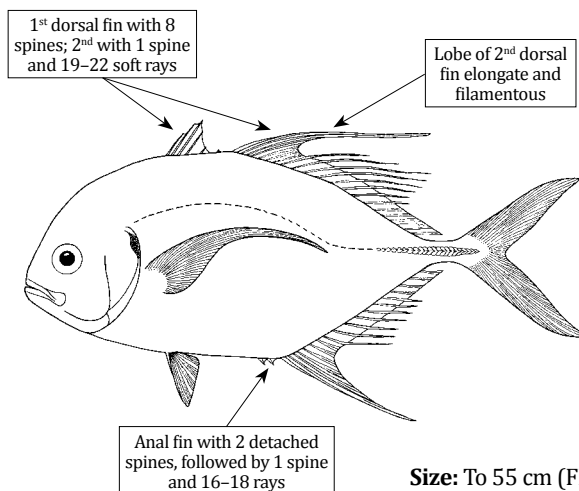
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** Rocky and coral coastlines, also in shallow lagoons down to 50 m.

**Fisheries:** Hooks and Line, Gillnets, Spears.

**Distinctive Characters:** Head profile very deep in adults but relatively straight from snout to nape; rays 3 to 12 of the central dorsal fin produced into filaments in males larger than 21 cm (FL); lateral line anteriorly with a moderate regular arch; straight part of lateral line with 11–24 weak scutes.

**Colour:** Bluish–grey above, silvery below; blackish blotch on upper margin of opercle; spiny dorsal fin blackish; caudal fin grey with leading and trailing edges black.

***Carangoides chrysophrys* (Cuvier, 1833)**

FAO names: Longnose trevally (En)

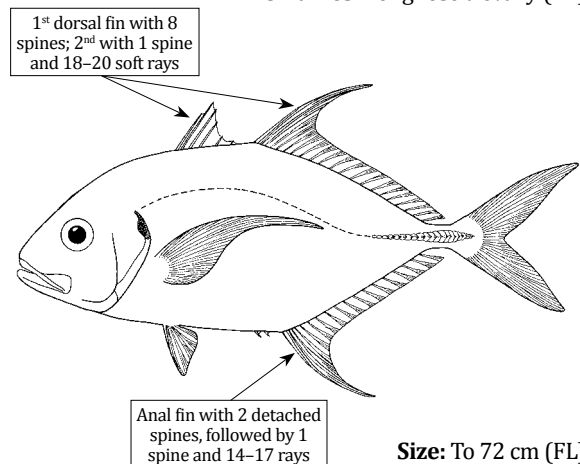
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** Open waters of coastal reefs down to 60 m.

**Fisheries:** Hooks and Line, Gillnets, Traps.

**Distinctive Characters:** Lobe of 2<sup>nd</sup> dorsal fin falcate, becoming shorter with age; lateral line anteriorly with moderately regular arch, with junction of curved and straight parts below 12<sup>th</sup> to 14<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; straight part of lateral line with 20–37 scutes.

**Colour:** Silvery with head and body greenish above; silvery with yellow–green reflections below; a small black blotch on upper edge of opercle; large adults sometimes very dark; head and fins blackish.

***Carangoides coeruleopinnatus* (Rüppell, 1830)**

FAO names: Coastal trevally (En)

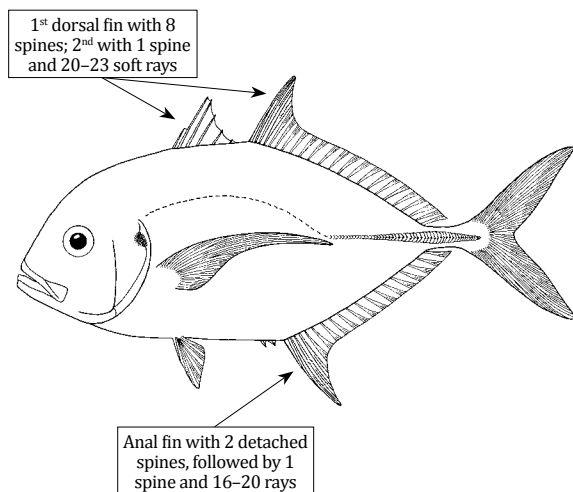
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** Deeper coastal reefs and rarely close to shore. Maximum depth 60 m.

**Fisheries:** Hooks and Line, Gillnets, Traps.

**Distinctive Characters:** Lobe of 2<sup>nd</sup> dorsal fin filamentous in young, becoming shorter with age; lateral line anteriorly with moderately regular arch, with junction of curved and straight parts below 12<sup>th</sup> to 14<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; straight part of lateral line with 20–38 scutes.

**Colour:** Bluish–green above, silvery grey below; sides with numerous, small yellow spots; small black blotch on upper margin of opercle; 2<sup>nd</sup> dorsal, anal and caudal fins dusky, the latter sometimes yellowish; pectoral fins pale yellow; pelvic fins hyaline to pale grey.



***Carangoides equula*** (Temminck & Schlegel, 1844)

FAO names: Whitefin trevally (En)

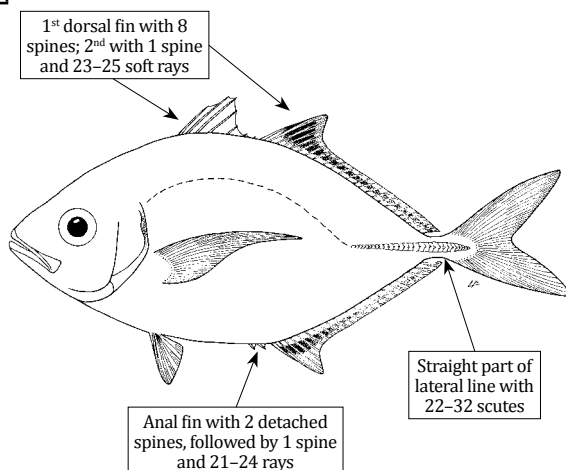
**Local name(s):** N: Kolekole/Kambisi/Kanaa/Kidara; S: Kolekole zebra (M), Kolekole (K).

**Habitat:** Benthopelagic, largely restricted to the continental shelf and slope habitats from 100 m to 230 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Body compressed, almost rhomboidal; lateral line anteriorly with a moderately regular arch, with junction of curved and straight parts below 12<sup>th</sup> to 15<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin.

**Colour:** Head and body bluish-grey to green dorsally, silvery white below; young with 5–7 dark bands on sides; 2<sup>nd</sup> dorsal and anal fins with a submarginal black to brown band, white distally; caudal fin dusky yellow; pectoral and pelvic fins pale yellowish to white.



Size: To 37 cm (FL)

***Carangoides ferdau*** (Forsskål, 1775) (Plate VII, 59)

FAO names: Blue trevally (En)

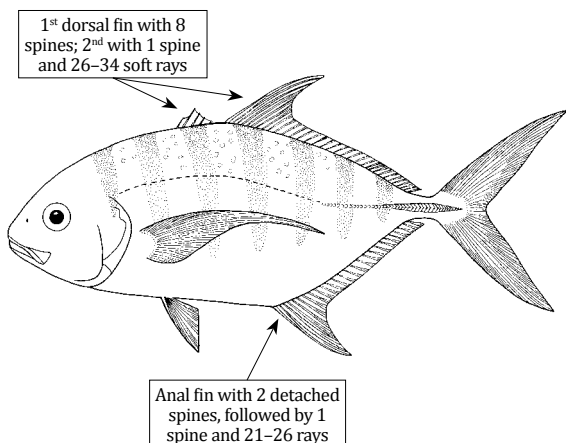
**Local name(s):** N: Kolekole/Kambisi/Kanaa; S: Kolekole (M/K).

**Habitat:** Coastal waters adjacent to sandy beaches down to 200 m.

**Fisheries:** Hooks and Line, Gillnets, Traps.

**Distinctive Characters:** Lobe of 2<sup>nd</sup> dorsal fin falcate, especially in small adults, but usually shorter than head length.

**Colour:** Adults typically with 5–6 dusky bands on sides that usually persist in marketed specimens; in life head and body generally silvery, blue-green above, paler below; caudal fin yellow-green with trailing edge and lobe tips dark; pelvic fins hyaline whitish.



Size: To 70 cm (FL)

***Carangoides fulvoguttatus*** (Forsskål, 1775)FAO names: Yellowspotted trevally (En)  
Carangue pailletée (Fr)

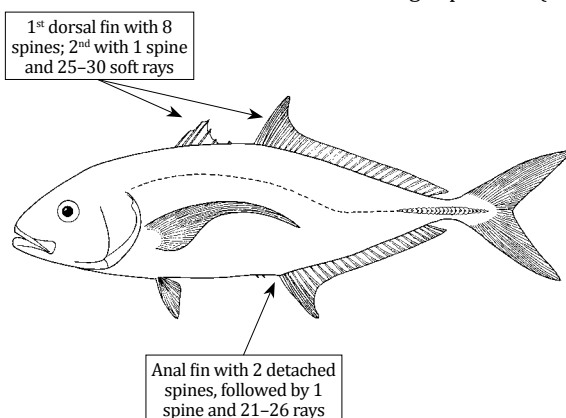
**Local name(s):** N: Kolekole/Kambisi/Kanaa; S: Kolekole (M/K).

**Habitat:** Schools along outer reef slopes, rocky coasts and offshore banks.

**Fisheries:** Hooks and Line, Spears, Gillnets, Traps, Bottom trawls.

**Distinctive Characters:** Lateral line anteriorly with a low regular arch, with junction of curved and straight parts below 13<sup>th</sup> to 16<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; chord of curved part of lateral line longer than straight part.

**Colour:** Adults iridescent blue-green dorsally, shading to silvery on sides, with many small golden or brassy spots mainly above midline; large individuals often with 3 irregular black blotches (sometimes very indistinct or absent) on flanks, the 1<sup>st</sup> below dorsal-fin lobe.



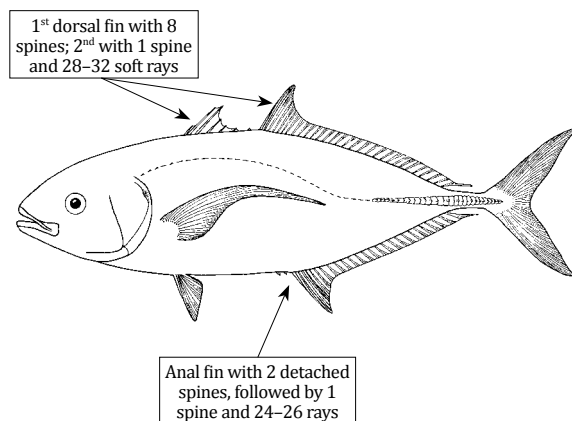
Size: To 120 cm (FL)

***Carangoides gymnostethus*** (Cuvier, 1833)

FAO names: Bludger (En)

**Local name(s):** N: Kolekole/Kambisi/Kanaa;

S: Kolekole (M/K).

**Habitat:** Common over deeper offshore reefs.**Fisheries:** Hooks and Line, Gillnets, Bottom trawls.**Distinctive Characters:** Lateral line anteriorly with a low regular arch, with junction of curved and straight parts below 16<sup>th</sup> to 20<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; straight part of lateral line with 20–31 small scutes.**Colour:** Adults olive–green above, silvery–white below with a few brown or golden spots sometimes present midlaterally; opercular spot dusky and inconspicuous; dorsal, anal and caudal fins pale olive–green to greenish–grey; leading edge and distal margin of anal fin white; pelvic and pectoral fins pale green to hyaline.

Size: To 90 cm (FL)

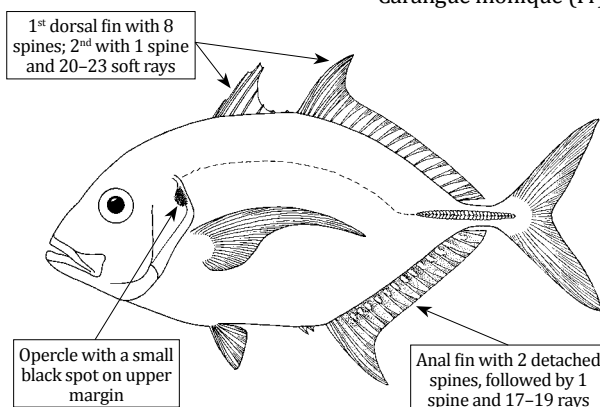
***Carangoides malabaricus*** (Bloch & Schneider, 1801)

FAO names: Malabar trevally (En)

Carangue monique (Fr)

**Local name(s):** N: Kolekole/Kambisi/Kanaa

S: Kolekole (M/K).

**Habitat:** A benthopelagic species occurring over corals and rocky reefs but also found in shallow sandy bays.**Fisheries:** Hooks and Line, Gillnets, Bottom trawls.**Distinctive Characters:** Lateral line anteriorly with a moderate regular arch, with junction of curved and straight parts below 12<sup>th</sup> to 14<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; chord of curved part of lateral line longer than straight part.**Colour:** Generally silvery with bluish–grey above, silvery white below; caudal, soft dorsal and anal fins pale greenish–yellow to dusky; interradiol of soft anal–fin rays often with a white spot basally.

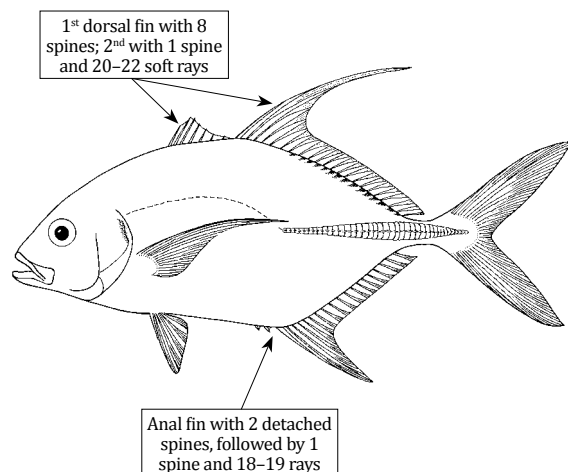
Size: To 40 cm (FL)

***Carangoides oblongus*** (Cuvier, 1833)

FAO names: Coachwhip trevally (En)

**Local name(s):** N: Kolekole/Kambisi/Kanaa

S: Kolekole (M/K).

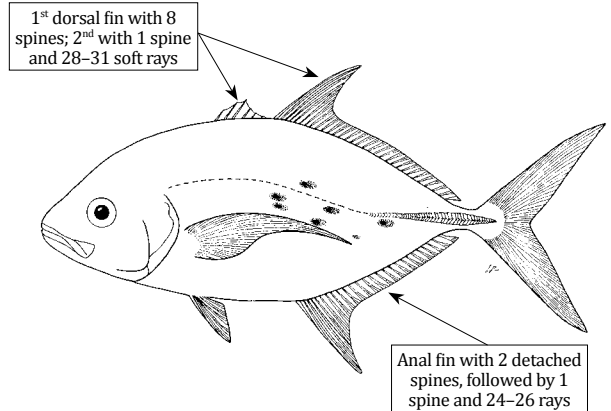
**Habitat:** Predominantly a seaward reef species, rare in offshore areas; juveniles taken in estuaries.**Fisheries:** Hooks and Line, Bottom trawls.**Distinctive Characters:** Lateral line anteriorly with a moderate regular arch, with junction of curved and straight parts below 8<sup>th</sup> to 9<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; straight part of lateral line with 37–40 scutes.**Colour:** Head and body bluish–green above, silvery below; small blue to black blotches on back between bases of 2<sup>nd</sup> dorsal–fin rays; opercular spot diffuse or absent; anal fin and remainder of dorsal and caudal fins yellowish; pectoral and pelvic fins pale yellow.

Size: To 46 cm (FL)

***Carangoides orthogrammus* (Jordan & Gilbert, 1882)**

**FAO names:** Island trevally (En)

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
 S: Kolekole (M/K).  
**Habitat:** Reef-associated but also oceanic, from 3 m to 170 m.  
**Fisheries:** Hooks and Line, Gillnets, Spears.  
**Distinctive Characters:** Body compressed with a row of scutes on the caudal peduncle.  
**Colour:** Sometimes has faint chevron bars similar to those of *C. ferdau*, but nearly has a few small yellow blotches on its sides; large individuals develop a terminal snout and elongate points on the soft dorsal and anal fins.

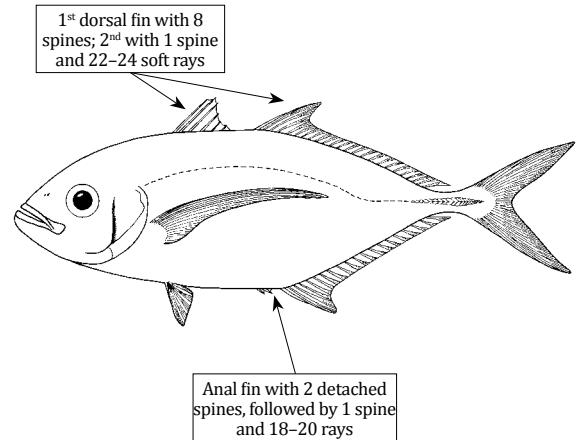


**Size:** To 75 cm (FL), common 40 cm (FL)

***Carangoides plagiotænia* Bleeker, 1857** \*

**FAO names:** Barcheek trevally (En)

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
 S: Kolekole (M/K).  
**Habitat:** Generally along the edges of lagoons and seaward reef slopes.  
**Fisheries:** Bottom trawls, Hooks and Line, Gillnets.  
**Distinctive Characters:** Lateral line anteriorly with a relatively low arch, with junction of curved and straight parts below 13<sup>th</sup> to 15<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; straight part of lateral line with 11-18 relatively small scutes.  
**Colour:** Silvery-greyish above, paler below; no opercular spot, but adults with posterior margin of preopercle distinctly dark to black; sides of body sometimes with 6 or 7 dusky oblique bands, mostly above midline; large adults occasionally with scattered dark blotches or a few small yellow spots on sides.

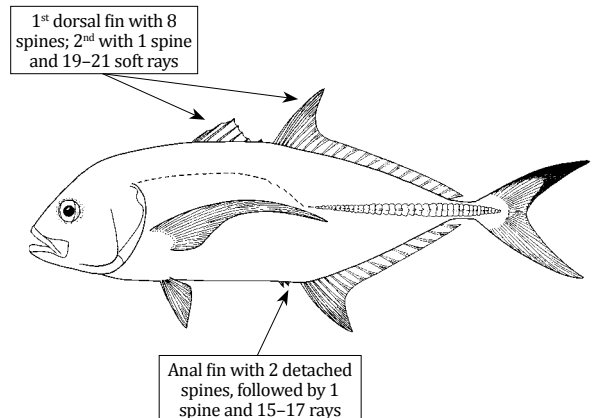


**Size:** To 50 cm (FL)

***Caranx heberi* (Bennett, 1830) (Plate VII, 60)**

**FAO names:** Blacktip trevally (En)

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
 S: Kolekole (M/K).  
**Habitat:** Prefers clean, open coastal waters; adults are particularly common in small aggregations over rocky reefs.  
**Fisheries:** Hooks and Line, Gillnets, Spears.  
**Distinctive Characters:** Adipose eyelid extends onto eye to rear border of posterior eyelid; straight part of lateral line with 30 to 40 strong scutes; upper jaw with an outer series of moderate to strong canines and an inner band of fine teeth.  
**Colour:** Dark bronze to yellow-green above, silvery bronze to yellowish below; identified by its black-tipped caudal fin.



**Size:** To 85 cm (FL)

***Caranx ignobilis* (Forsskål, 1775) (Plate VII, 61)**

FAO names: Giant trevally (En)

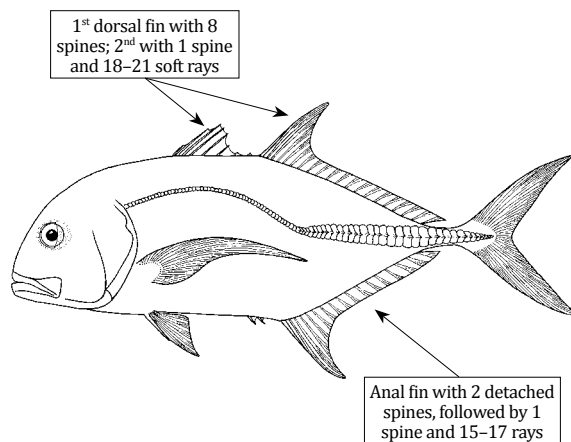
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** Abundant in all marine habitats; juveniles over sandy inshore or estuarine areas; adults solitary in lagoons and seaward reef waters. Maximum depth 80 m.

**Fisheries:** Hooks and Line, Gillnets, Spears.

**Distinctive Characters:** Adipose eyelid moderately developed, small anteriorly; posterior eyelid extends onto eye rear border of pupil.

**Colour:** Adults with body silvery-grey to black above, usually paler below; fins uniformly pigmented grey to black, except for leading edges and tips of dorsal and anal-fin lobes which are paler; mature males usually darker than females, sometimes head and fins completely black.



**Size:** To 170 cm (FL), common 100 cm (FL)

***Caranx lugubris* Poey, 1860**

FAO names: Black jack (En)

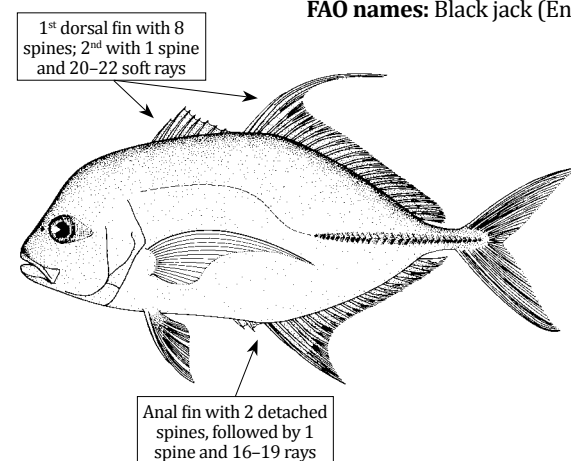
**Local name(s):** N: Kolekole/Kambisi/Kanaa; S: Kolekole (M/K).

**Habitat:** Oceanic and insular species, very much restricted to clear oceanic waters.

**Fisheries:** Hooks and Line, Gillnets, Spears.

**Distinctive Characters:** Upper profile of head steep, the anterior part slightly concave; mouth relatively large, the maxilla nearly reaching center of eye.

**Colour:** Dark olive-grey to almost black on the back, shading to bluish-grey ventrally; scutes black.



**Size:** To 100 cm (FL), common 70 cm (FL)

***Caranx melampygus* Cuvier, 1833**FAO names: Bluefin trevally (En)  
Carangue aîle bleue (Fr)

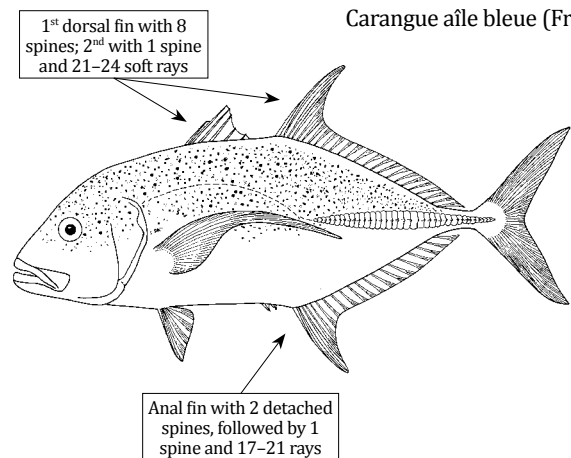
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** Associated to reef habitats, lagoons and seaward reefs. Maximum depth 190 m.

**Fisheries:** Hooks and Line, Gillnets, Traps.

**Distinctive Characters:** Adipose eyelid weakly developed, extends onto eye to rear border of pupil in large adults; straight part of lateral line with 27-42 strong scutes; breast completely scaled.

**Colour:** Adults with head and dorsal half of body brassy, suffused with blue, and covered with small blue-black spots; ventrally, body generally silvery white; 2<sup>nd</sup> dorsal, anal and caudal fins electric blue; pectoral fins mostly pale yellow; juveniles and young adults head and body silvery-grey and fins pale to dark dusky, except for yellow pectoral fins.



**Size:** To 100 cm (FL)



***Caranx papuensis* Alleyne & MacLeay, 1877**

**Local name(s):** N: Kolekole/Kambisi/Kanaa;

S: Kolekole (M/K).

**Habitat:** Shallow lagoon and seaward reefs; juveniles often in estuaries.

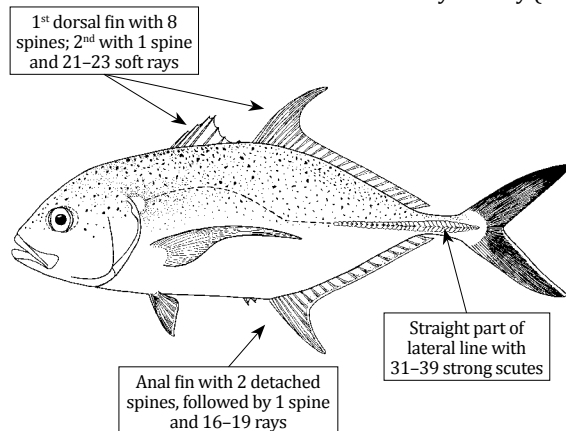
**Fisheries:** Hooks and Line, Gillnets, Purse seines.

**Distinctive Characters:** Adipose eyelid weakly developed.

**Colour:** Adults with head and body brassy to yellowish-green above, silvery below; small black spots scattered on body above lateral line; caudal fin with upper lobe uniformly dusky, lower lobe dusky to bright yellow with a distinct, narrow white border; other fins pale to dusky yellow.

**Remarks:** Resembles *C. melampygus*, but lacks blue on the fins and has a large naked area on the breast.

**FAO names:** Brassy trevally (En)



**Size:** To 88 cm (FL), common 55 cm (FL)

***Caranx sexfasciatus* Quoy & Gaimard, 1825**

**Local name(s):** N: Kolekole/Kambisi/Kanaa;

S: Kolekole (M/K).

**Habitat:** Adults in schools by day along lagoons, channels, or seaward reef drop-offs; juveniles in shallow inshore areas even entering freshwater as well as offshore around floating objects. Maximum depth 90 m.

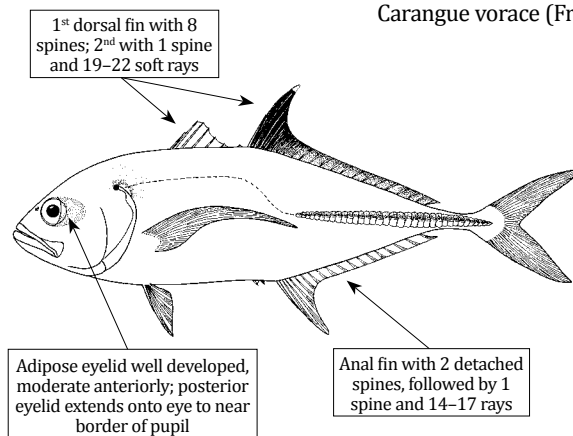
**Fisheries:** Hooks and Line, Gillnets, Purse seines, Spears.

**Distinctive characters:** Straight part of lateral line with 27–36 strong scutes.

**Colour:** Adults with head and body silvery-olive to iridescent blue-green above, silvery-olive whitish below; small blackish spot at upper margin of opercle; 2<sup>nd</sup> dorsal fin olive to blackish, the lobes with a white tip; caudal fin yellowish to black; lateral-line scutes dark to black.

**FAO names:** Bigeye trevally (En)

Carangue vorace (Fr)



**Size:** To 120 cm (FL)

***Caranx tille* Cuvier, 1833**\*

**Local name(s):** N: Kolekole/Kambisi/Kanaa;

S: Kolekole (M/K)

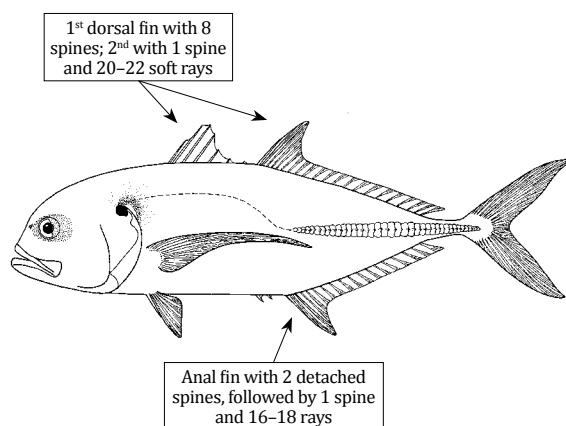
**Habitat:** Coastal species preferring inshore waters around rocky and coral reefs.

**Fisheries:** Hooks and Line, Gillnets, Purse seines, Spears.

**Distinctive Characters:** Straight part of lateral line with 33–42 strong scutes.

**Colour:** Adults with head and body dark olive-green to bluish-grey above, shading to silvery white below; a blackish spot at least 1/2 diameter of pupil at upper margin of opercle; 2<sup>nd</sup> dorsal fin olive-grey to blackish; anal and caudal fins yellow-olive to black; lateral-line scutes grey; juveniles and young adults head and body pale olive to silvery grey and fins uniformly pale to dusky.

**FAO names:** Tille trevally (En)



**Size:** To 80 cm (FL)

***Decapterus kurroides*** Bleeker, 1855

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

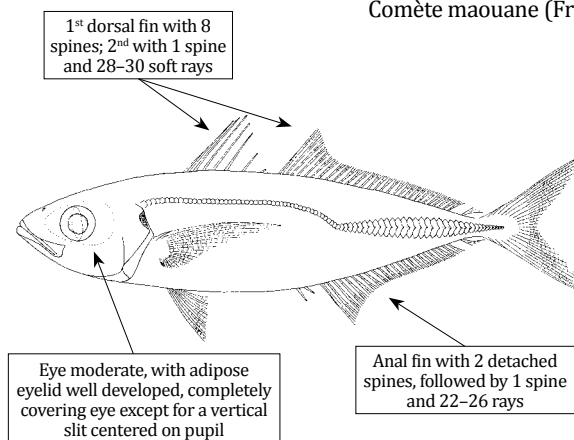
**Habitat:** A deep water schooling species occurring between 100 m and 300 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Terminal dorsal and anal soft rays each consisting of a wide detached finlet; lateral line anteriorly with a low regular arch, with junction of curved and straight part below 2<sup>nd</sup> dorsal fin between 11<sup>th</sup> to 13<sup>th</sup> soft rays; straight part with 31–36 scutes.

**Colour:** Bluish–green above, silvery white below; moderate black blotch or margin of opercle near upper edge; caudal fin red; spiny dorsal and 2<sup>nd</sup> dorsal–fin lobe sometimes dark; anal and pelvic fins pale dusky to white.

**FAO names:** Redtail scad (En)  
Comète mauwane (Fr)



**Size:** To 45 cm TL

***Decapterus macarellus*** (Cuvier, 1833) \*

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

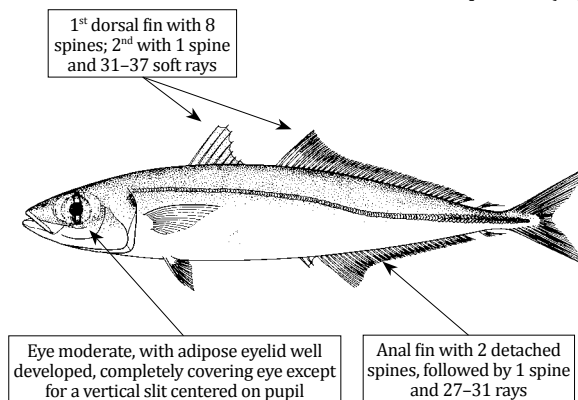
**Habitat:** Mostly in open waters sometimes near the surface but usually between 40 m and 200 m.

**Fisheries:** Purse seines, Bottom trawls.

**Distinctive Characters:** Terminal dorsal and anal soft rays each consisting of a widely detached finlet; lateral line anteriorly with a low regular arch, with junction of curved and straight parts below the 11<sup>th</sup> to 13<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; lateral–line straight part with 25 to 39 scutes.

**Colour:** Bluish–green above, silvery below; small black blotch on margin of opercle near upper edge; caudal fin yellow–green, dorsal–fin lobe sometimes dark distally; anal and pelvic fins pale to whitish.

**FAO names:** Mackerel scad (En)  
Comète maquereau (Fr)



**Size:** To 32 cm (FL)

***Decapterus macrosoma*** Bleeker, 1851

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

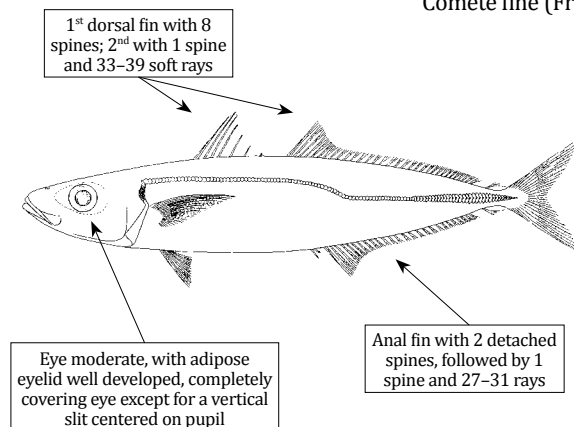
**Habitat:** A schooling species occurring from 30 m to 170 m.

**Fisheries:** Purse seines, Bottom trawls, Gillnets.

**Distinctive Characters:** Pectoral fins not reaching 2<sup>nd</sup> pectoral–fin origin; terminal dorsal and anal soft rays each consisting of a widely detached finlet; lateral line anteriorly with a low regular arch with junction of curved and straight parts below 2<sup>nd</sup> dorsal fin between 11<sup>th</sup> to 13<sup>th</sup> soft rays; no scutes in curved part; straight part with 24–40 scutes.

**Colour:** Metallic blue above, silvery below; small black blotch on margin of opercle near upper edge; caudal fin hyaline to dusky and dorsal–fin lobe sometimes dark distally; other fins mostly pale.

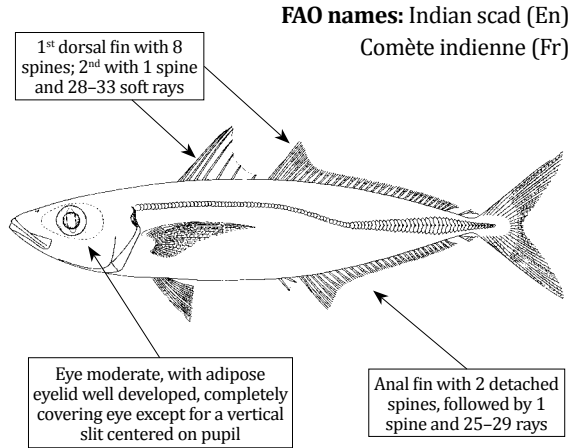
**FAO names:** Shortfin scad (En)  
Comète fine (Fr)



**Size:** To 30 cm (FL)

***Decapterus russelli* (Rüppell, 1830)**

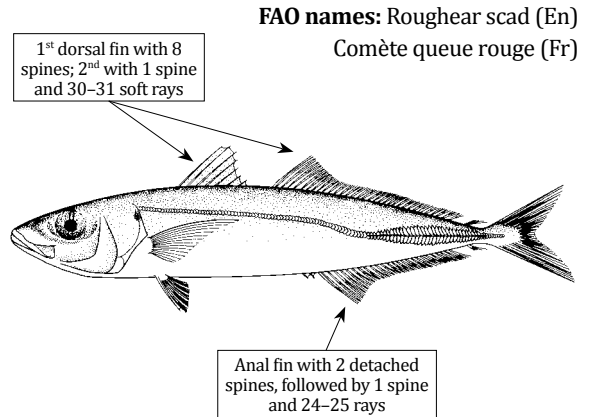
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
 S: Kolekole (M/K).  
**Habitat:** Coastal waters and on open banks in deeper waters down to 100 m.  
**Fisheries:** Purse seines, Bottom trawls, Gillnets.  
**Distinctive Characters:** Lateral line anteriorly with a low regular arch, with junction at curved and straight parts below 11<sup>th</sup> to 13<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin; 30–40 scutes in straight part of lateral line.  
**Colour:** Bluish–green above, silvery below; small black blotch or margin of opercle near upper edge; caudal fin hyaline to dusky brown; 2<sup>nd</sup> dorsal fin hyaline basally; other fins mostly hyaline, except pelvic fins of adult males slightly dark.



**Size:** To 45 cm (FL)

***Decapterus tabl* Berry, 1968**

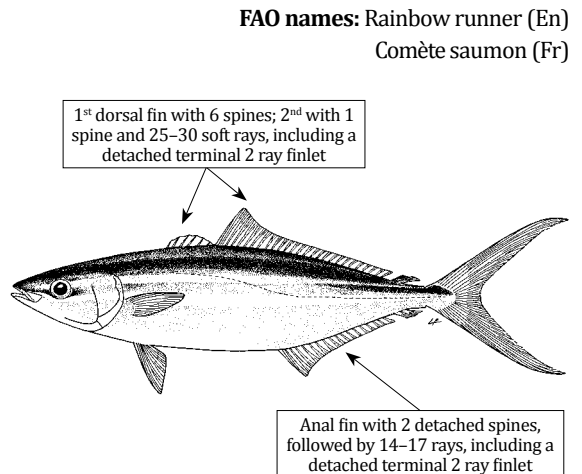
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
 S: Kolekole (M/K).  
**Habitat:** Mid–water or near the bottom; also near the surface.  
**Fisheries:** Purse seines, Bottom trawls, Gillnets.  
**Distinctive Characters:** Eye moderate, with adipose eyelid well developed, completely covering eye except for a vertical slit centred on pupil; scales on top of head extend forward to anterior margin of pupil.  
**Colour:** Blue to greenish above, silvery below; caudal fin bright red; tips of dorsal rays reddish; opercle with a small black spot.



**Size:** To 50 cm (FL), common 25 cm (FL)

***Elagatis bipinnulata* (Quoy & Gaimard, 1825)**

**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
 S: Songoro (M), Kanandi (K).  
**Habitat:** A pelagic species usually found at or near the surface, sometimes far offshore.  
**Fisheries:** Hooks and Line, Gillnets, Seines.  
**Distinctive Characters:** Pectoral fins short about 2 times in head length and about as long as pelvic fins; caudal fin deeply forked; lateral line with a slight anterior arch; no scutes; caudal–peduncle grooves present.  
**Colour:** Dark olive–blue or green above and white below; 2 narrow light blue or bluish–white stripes along sides, with a broader olive or 1 yellowish stripe between them; fins dark white on olive–yellow tinge.



**Size:** To 150 cm (FL), common 80 cm (FL)

***Gnathanodon speciosus* (Forsskål, 1775)** (Plate VII, 62)

**FAO names:** Golden trevally (En)  
Carangue royale (Fr)

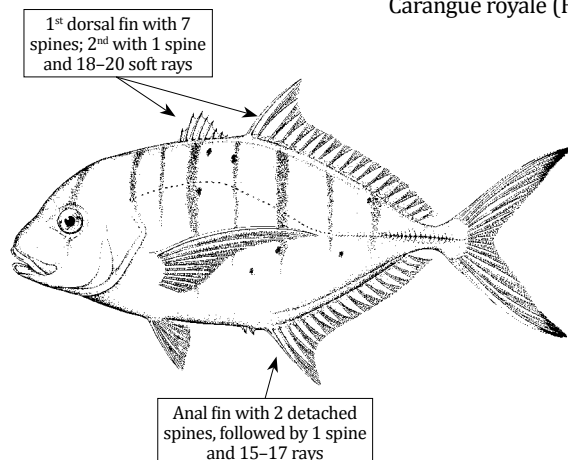
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** Inshore, including rocky reefs, deep lagoons and seaward reefs.

**Fisheries:** Gillnets, Spears, Bottom trawls.

**Distinctive Characters:** Lip noticeably papillose and upper jaw strongly protractile; lobe of 2<sup>nd</sup> dorsal fin shorter.

**Colour:** Juveniles and young adults silvery to yellow with 7–11 black bands, usually alternating broad and narrow, the 1<sup>st</sup> band oblique through eye; upper margin of opercle black; all fins yellow; tips of caudal fin lobes black; bands fade in large adults and are replaced by a few patches or spots on sides; dark opercular spot also fades with age and body becomes yellow–green dorsally, pale yellow below.



**Size:** To 120 cm (FL)

***Megalaspis cordyla* (Linnaeus, 1758)**

**FAO names:** Torpedo scad (En)  
Comète torpille (Fr)

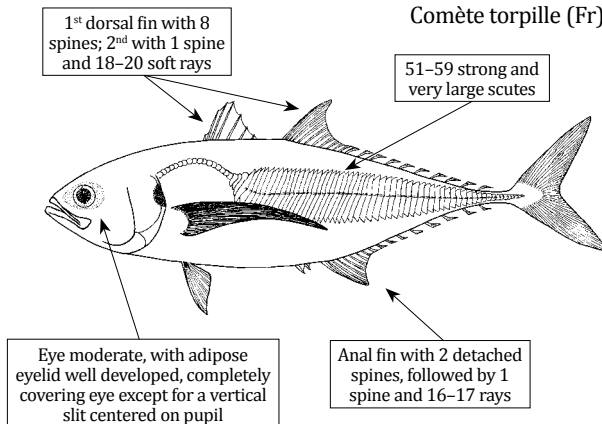
**Local name(s):** N: Kolekole/Kambisi/Kanaa;  
S: Kolekole (M/K).

**Habitat:** A pelagic coastal schooling species, usually near the surface; intolerant of turbid waters.

**Fisheries:** Hooks and Line, Gillnets, Beach seines.

**Distinctive Characters:** Caudal peduncle strongly compressed with a marked medial keel; posterior part of dorsal and anal fins with 8–10 rays consisting of detached finlets; spiny dorsal fin moderately high, longest spine height about equal to length of soft dorsal–fin lobe.

**Colour:** Head and body bluish–grey to green dorsally, sides and belly silvery; large black opercular spot; dorsal and anal fins with upper half dusky; caudal fin dark, especially leading and trailing edges of fins.



**Size:** To 80 cm, common 40 cm (FL)

***Naucrates ductor* (Linnaeus, 1758)**

**FAO names:** Pilotfish (En)  
Poisson pilote (Fr)

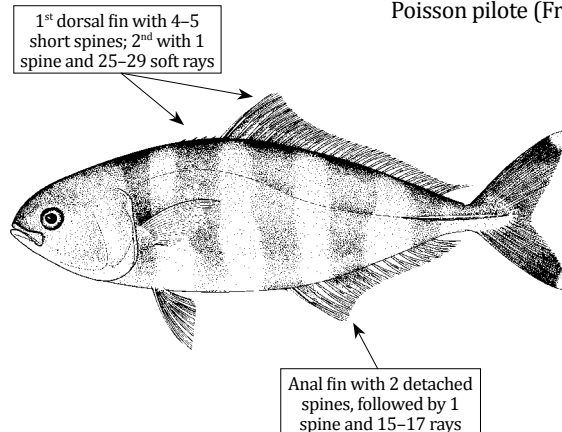
**Local name(s):** N: Kuku mai (maji); S: Kolekole (M/K).

**Habitat:** Pelagic in oceanic waters, often associated with sharks, rays, other large fishes and turtles.

**Fisheries:** Pelagic trawls.

**Distinctive Characters:** No scutes on caudal peduncle; a well developed lateral line; fleshy keel on each side of dorsal and ventral peduncle grooves.

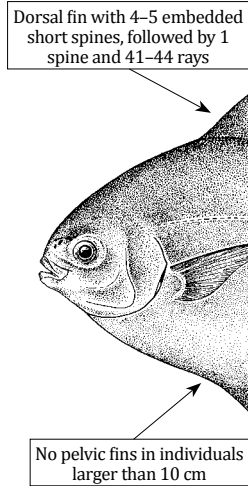
**Colour:** Head dark; 5–6 dark broad bars on body and a similar bar at end of caudal peduncle; 3–6 bars extending through soft dorsal and anal–fin membranes, and the bars persistent at all sizes; rest of body bluish, or light or dusky; white tips prominent on upper and lower caudal–fin lobes and smaller white tips on 2<sup>nd</sup> dorsal and anal–fin lobes; most fins dusky to dark.



**Size:** To 70 cm, common 38 cm (FL)

***Parastromateus niger* (Bloch, 1795)**

**Local name(s):** N: Kolekole/Kambisi/Kanaa; S: Kolekole (M/K).  
**Habitat:** Pelagic on the continental shelf from 15 m to 40 m, generally over muddy bottoms.  
**Fisheries:** Gillnets, Boat seines, Bottom trawls.  
**Distinctive Characters:** Mouth terminal; pectoral fins long and falcate; lateral line very weakly arched anteriorly with junction of straight and curved parts below posterior 1/3 of dorsal fin; straight part of lateral line with 8–19 weak scutes, forming a slight keel on caudal peduncle.  
**Colour:** Adults uniformly silvery–grey to bluish–brown (yellowish–brown when deciduous scales are missing); fins with dark edges; young with dark vertical bars and long black jugular pelvic fins.

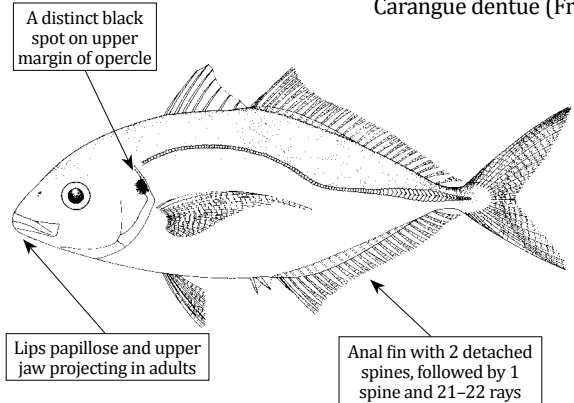


**FAO names:** Black pomfret (En)  
 Castagnoline noire (Fr)

**Size:** To 75 cm, common 30 cm (FL)

***Pseudocaranx dentex* (Bloch & Schneider, 1801)\***

**Local name(s):** N: Kolekole/Kambisi/Kanaa; S: Kolekole ngamia (M), Kolekole (K).  
**Habitat:** Banks and shelf slope habitats from 80 m to 200 m, occasionally inshore.  
**Fisheries:** Bottom trawls.  
**Distinctive Characters:** Eyes relatively small with adipose eyelid poorly developed; lateral line with a weak extended anterior arch, with junction of curved and straight parts of lateral line below 12<sup>th</sup> to 14<sup>th</sup> soft ray of 2<sup>nd</sup> dorsal fin.  
**Colour:** Pale greenish–blue above, silvery below; a yellow stripe usually present along sides and at base of soft dorsal and anal fins; caudal and soft dorsal fins dusky yellow.

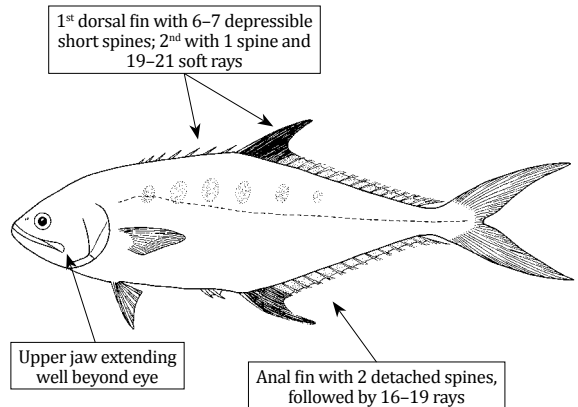


**FAO names:** White trevally (En)  
 Carangue dentue (Fr)

**Size:** To 110 cm, common 40 cm (FL)

***Scomberoides commersonianus* Lacepède, 1801**

**Local name(s):** N: Ndili; S: Kolekole ngamia (M), Kolekole/Tando (K).  
**Habitat:** Reefs and offshore islands, usually in small groups.  
**Fisheries:** Gillnets, Seines, Hooks and Line.  
**Distinctive Characters:** Pelvic fins about equal in length or shorter than pectoral fins; no scutes; no caudal–peduncle grooves.  
**Colour:** Head and body dusky green to bluish dorsally, grey to silvery below; large individuals often golden especially ventrally; sides of adults with 5–8 large, plumbeous blotches above or touching lateral line, 1<sup>st</sup> two may intersect lateral line; dorsal and anal fins dusky to dark.



**FAO names:** Talang queenfish (En)  
 Sauteur talang (Fr)

**Size:** To 120 cm (FL)

***Scomberoides lysan*** (Forsskål, 1775)

**Local name(s):** N: Pandu; S: Kolekole/Tando (K).

**Habitat:** Shallow lagoons to offshore areas, from 2 m to 100 m.

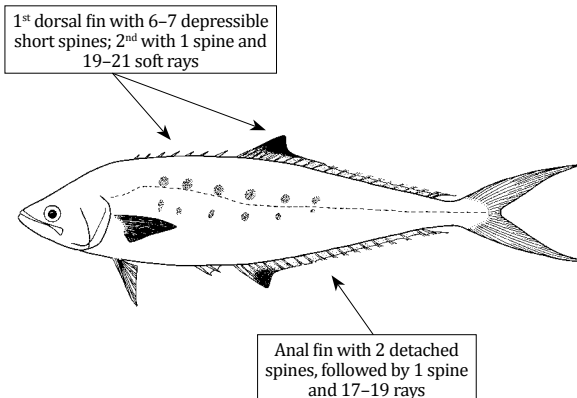
**Fisheries:** Set nets, Gillnets, Seines, Hooks and Line.

**Distinctive Characters:** Upper jaw extending beyond eye; pelvic fins about equal in length or shorter than pectoral fins; lateral line only irregular; weakly to moderately convex above pectoral fins, becoming straight posteriorly; no scutes.

**Colour:** Body grey-green dorsally, silvery-grey to midline and silvery-white ventrally; adults with a double series of 6–8 dusky roundish blotches above and below lateral line; distal half of dorsal-fin lobe abruptly and heavily pigmented; anal-fin lobe white or pale yellow; often interradiation membrane of several anterior rays, black, especially in large individuals.

**FAO names:** Doublespotted queenfish (En)

Sauteur sabre (Fr)



**Size:** To 110 cm (FL)

***Scomberoides tol*** (Cuvier, 1832)

**Local name(s):** N: Pandu; S: Kolekole/Tando (K).

**Habitat:** Usually in small schools near the surface in coastal waters.

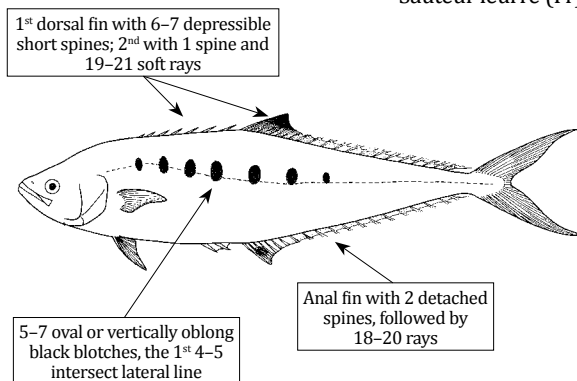
**Fisheries:** Gillnets, Seines, Hooks and Line.

**Distinctive Characters:** Upper jaw not extending beyond eye; posterior soft dorsal and anal-fin rays consisting of semi-detached finlets; lateral line only slightly irregular; weakly to moderately convex above pectoral fins, straight posteriorly; no scutes; scales on mid body below lateral line partially embedded; no caudal-peduncle grooves.

**Colour:** Body bluish dorsally, white ventrally; blotches faint or absent in juveniles; distal half dorsal fin lobe abruptly and heavily pigmented; anal fin lobe usually immaculate, white in life.

**FAO names:** Needlescaled queenfish (En)

Sauteur leurre (Fr)



**Size:** To 60 cm (FL)

***Selar crumenophthalmus*** (Bloch, 1793)

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

**Habitat:** Inshore or shallow waters, but sometimes in deeper waters down to 170 m.

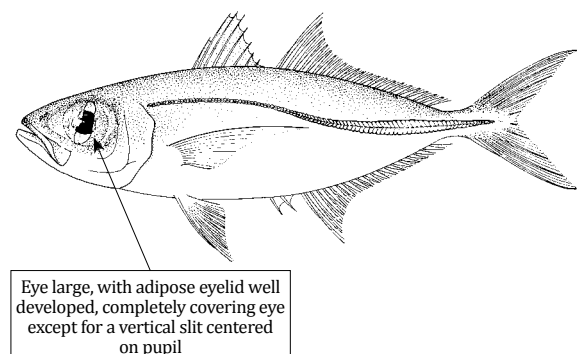
**Fisheries:** Hooks and Line, Beach seines, Purse seines, Traps.

**Distinctive Characters:** Dorsal fin with 8 spines, followed by 1 spine and 24–27 soft rays; anal fin with 2 spines separated from rest of fin, followed by 1 spine and 21–23 soft rays; no finlets.

**Colour:** Body and top of head metallic blue or bluish-green; lower 2/3 of body and head silvery or whitish; small, elongated blackish opercular spot on edge near upper margin; a narrow yellowish stripe may be present from edge of opercle to upper part of caudal peduncle.

**FAO names:** Bigeye scad (En)

Sélar coulisou (Fr)



**Size:** To 30 cm, common 25 cm (FL)

***Seriola rivoliana*** Valenciennes, 1833

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

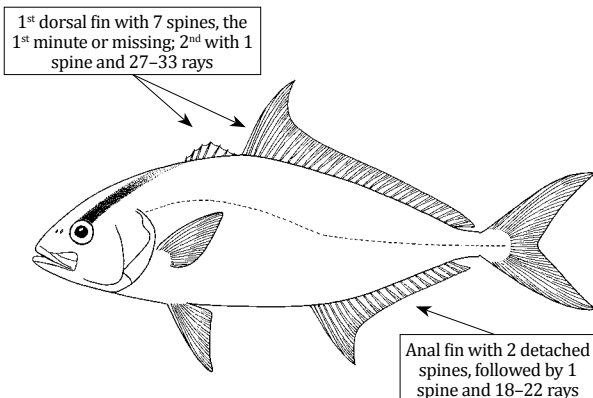
**Habitat:** Adults are pelagic and epipelagic, oceanic, rarely found in inshore waters.

**Fisheries:** Seines, Bottom trawls, Hooks and Line.

**Distinctive Characters:** In adults, pelvic fins longer than pectoral fins; no scutes; caudal peduncle grooves present.

**Colour:** Silvery blue-green to silvery olive dorsally, shading to silvery ventrally; a midlateral yellowish stripe usually present on body; an oblique, dark yellowish-brown band from nape through eye to edge of upper lip; fins yellowish grey; juveniles with a dark nuchal bar and 6 dark body bars.

**FAO names:** Longfin yellowtail (En)  
Sérieole limon (Fr)



**Size:** To 160 cm (FL), common 90 cm (FL)

***Seriolina nigrofasciata*** (Rüppell, 1829)

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

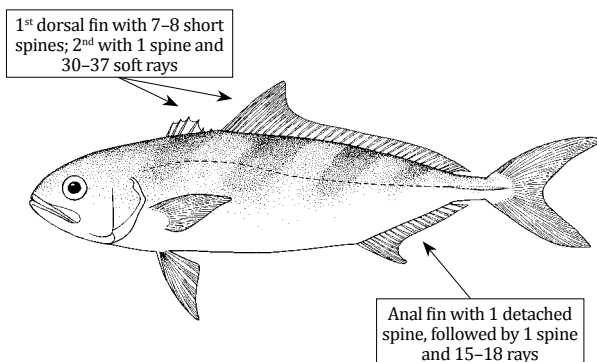
**Habitat:** Solitary, mainly in offshore reefs on the continental shelf from 20 m to 150 m.

**Fisheries:** Seines, Traps, Gillnets, Hooks and Line.

**Distinctive Characters:** Length of dorsal fin-lobe slightly longer than pectoral fins; pelvic fins longer than pectoral fins; no scutes; caudal peduncle grooves present.

**Colour:** Head and body bluish-grey to black dorsally, white to dusky below; young with 5-7 dark oblique bands and blotches on upper body that fade with age; spiny dorsal fin black; caudal and pelvic fins yellowish brown to black.

**FAO names:** Blackbanded trevally (En)  
Sérieole amourez (Fr)



**Size:** To 70 cm (FL)

***Trachinotus baillonii*** (Lacepède, 1801)

**Local name(s):** N: Ndili; S: Kolekole/Kipanza/Kiphaza (M/K).

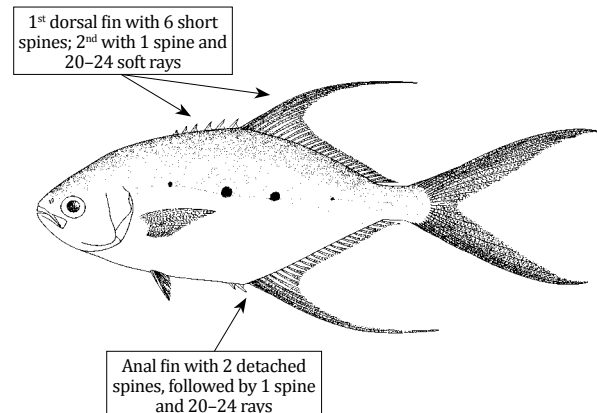
**Habitat:** Surge zone along sandy beaches and near surface waters of clear lagoon and seaward reefs.

**Fisheries:** Traps, Gillnets, Handlines.

**Distinctive Characters:** Dorsal-fin lobe shorter than anal-fin lobe in specimens larger than about 25 cm (FL); pelvic fins relatively short; no scutes on caudal peduncle grooves.

**Colour:** Adults silvery-blue to grey above, silvery white below; sides with 1-5 relatively small black spots (absent on fish smaller than about 10-15 cm (FL), the number of spots generally increasing with age) in a longitudinal row or near lateral line in adults; caudal, 2<sup>nd</sup> dorsal and anal fins grey to black, lobes usually darker; pectoral fins pale to dusky yellow; pelvic fins pale yellow to orange-yellow.

**FAO names:** Smallspotted dart (En)  
Pompaneau muscadin (Fr)



**Size:** To 60 cm (FL)

***Trachinotus blochii*** (Lacepède, 1801)

**Local name(s):** N: Ndili; S: Kolekole (M/K).

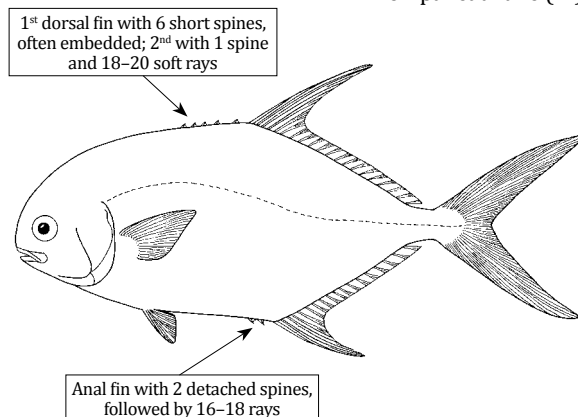
**Habitat:** Juveniles in sandy inshore and estuarine areas; large adults off-seaward reefs.

**Fisheries:** Gillnets, Traps, Handlines.

**Distinctive Characters:** Dorsal profile of head very steep and strongly convex.

**Colour:** Head and body generally blue-grey above, paler below; large adults sometimes with most of body golden-orange, especially snout and lower half of body; 2<sup>nd</sup> dorsal fin dark, lobe of fin dusky orange; anal fin dusky to dirty orange; caudal fin dark to dirty orange, leading edges darkest; juveniles silvery with pale fins except lobes of median fins and anterior half of pelvic fins brownish to dirty orange.

**FAO names:** Snubnose pompano (En)  
Pompaneau lune (Fr)



**Size:** To 70 cm (FL)

***Trachinotus botla*** (Shaw, 1803)

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

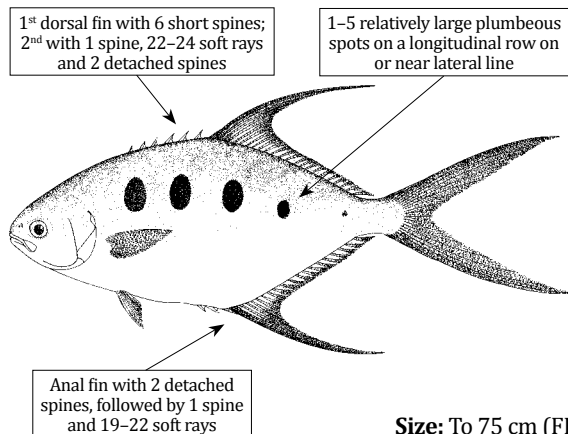
**Habitat:** Inhabits coastal waters.

**Fisheries:** Seines, Gillnets, Hooks and Line.

**Distinctive Characters:** Pectoral fins relatively long, in specimens larger than about 25 cm (FL); lateral line only slightly irregular, weakly convex above pectoral fins, becoming straight posteriorly; no scutes or caudal peduncle groove.

**Colour:** Adults bluish-black above, silvery below; 2<sup>nd</sup> dorsal and anal fins black to blue-black, the lobes usually darker; caudal fin dusky with leading edges and most of lobes blue-black; pectoral fins pale; upper 2/3 of body sometimes dark.

**FAO names:** Largespotted dart (En)  
Pompaneau pierrot (Fr)



**Size:** To 75 cm (FL)

***Trachurus indicus*** Nekrasov, 1966

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

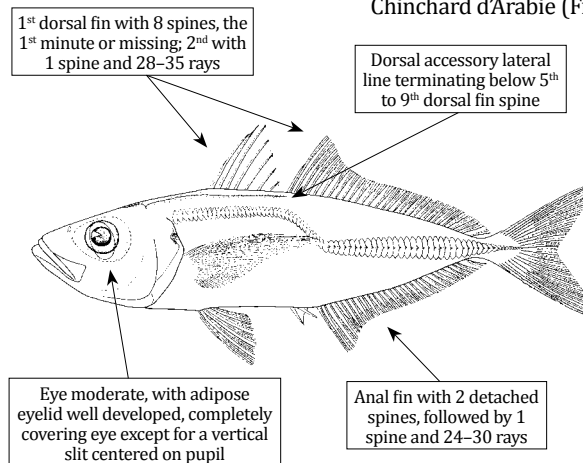
**Habitat:** Demersal from 20 m to 100 m.

**Fisheries:** Seines, Gillnets, Hooks and Line.

**Distinctive Characters:** Scales in curved as well as straight part of lateral line enlarged and scute-like; curved part of lateral line with 33–41 scutes, straight part with 33–40 scutes; total scales and scutes in lateral line (excluding caudal scales), 71–79.

**Colour:** No distinct markings except for a black opercular spot on edge near upper margin; body and head dorsally dusky to nearly black or grey to bluish-green; lower 2/3 of body and head usually paler whitish to silvery.

**FAO names:** Arabian scad (En)  
Chinchard d'Arabie (Fr)



**Size:** To 35 cm, common 20 cm (FL)



***Ulua mentalis* (Cuvier, 1833)**

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

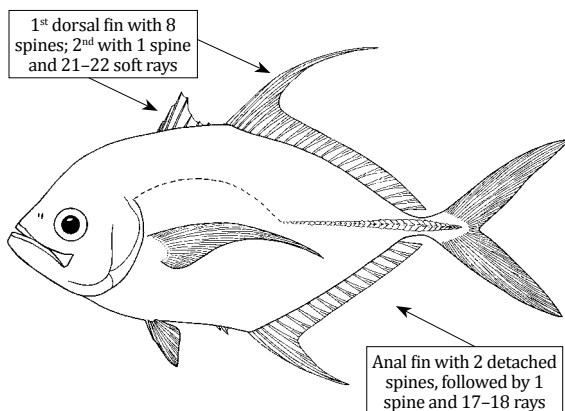
**Habitat:** Inhabits coastal waters.

**Fisheries:** Gillnets, Traps, Handlines.

**Distinctive Characters:** Lateral line anteriorly with a moderate regular arch, with junction of curved and straight part below 10<sup>th</sup> to 12<sup>th</sup> ray of 2<sup>nd</sup> dorsal fin; straight part of lateral line with 26–38 scutes.

**Colour:** Head and body blue green dorsally, silvery below; adults with a dark area on shoulder at upper margin of opercle and a dusky mark on cheek at angle of jaws; spiny dorsal and caudal fins dusky to black; 2<sup>nd</sup> dorsal and anal fins pale green except leading edges and distal margins of fins dusky.

**FAO names:** Longrakered trevally (En)



**Size:** To 100 cm, common 60 cm (FL)

***Uraspis secunda* (Poey, 1860)\***

**Local name(s):** N: Kolekole/Kambisi; S: Kolekole (M/K).

**Habitat:** Mainly pelagic oceanic in surface water.

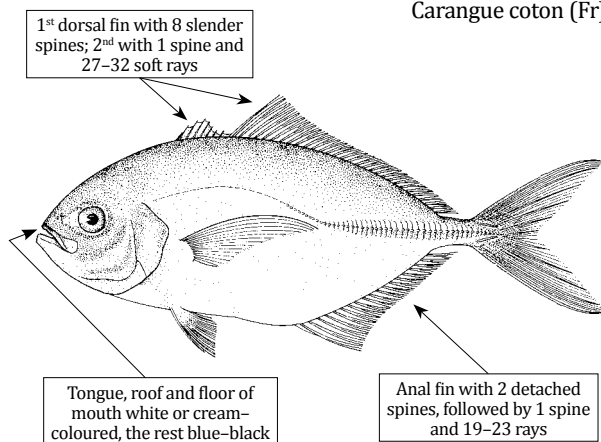
**Fisheries:** Bottom trawls, Seines, Longlines, Hooks and Line.

**Distinctive Characters:** Pelvic fins very long in young but becoming relatively shorter with age; straight part of lateral line with 23–40 scutes; in fish smaller than about 20 cm (FL) some scutes have spines directed anteriorly, their number decreasing with growth.

**Colour:** Body and head dark (leaden blue–black or dusky) in fish of 30 cm and larger (FL); juveniles with 6–7 very wide dark bars with narrow pale interspaces; traces of nuchal and opercular bands persisting to about 30 cm (FL); 2<sup>nd</sup> dorsal and anal fins dusky hyaline.

**FAO names:** Cottonmouth jack (En)

Carangue coton (Fr)



**Size:** To 50 cm TL

**CORYPHAENIDAE****Dolphinfishes*****Coryphaena equiselis* Linnaeus, 1758**

**Local name(s):** N: Fulusi; S: Fulusi (M/K).

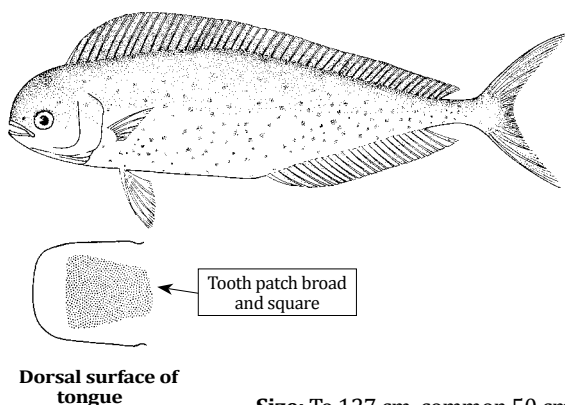
**Habitat:** Pelagic, inhabiting open waters but also approaching the coast.

**Fisheries:** Trolling gears, Longlines, Gillnets.

**Distinctive Characters:** A single dorsal fin extending from just behind eye almost to caudal fin, with 52–59 soft rays; pectoral fins about 1/2 of head length; caudal fin deeply forked.

**Colour:** Back brilliant metallic blue–green in life, fading rapidly after death to grey with a green tinge; sides silvery with a golden sheen and numerous black spots; dorsal fin dark; juveniles have entire margin of caudal fin white; pelvic fins not pigmented.

**FAO names:** Pompano dolphinfish (En)



**Size:** To 127 cm, common 50 cm

***Coryphaena hippurus*** Linnaeus, 1758

**Local name(s):** N: Fulusi; S: Fulusi (M/K).

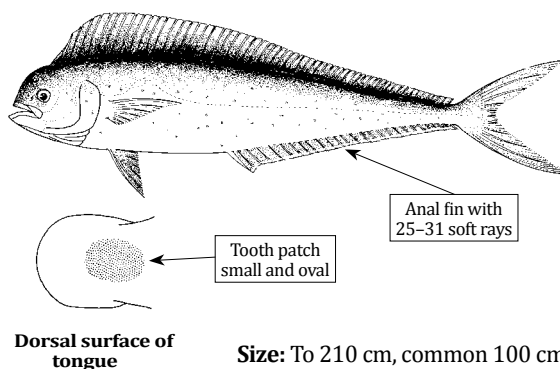
**Habitat:** Pelagic, inhabiting open waters but also approaching the coast.

**Fisheries:** Trolling gears, Longlines, Gillnets.

**Distinctive Characters:** A single dorsal fin extending from above eye almost to caudal fin with 58–66 rays; pectoral fins more than 1/2 of head length; caudal fin deeply forked.

**Colour:** Back brilliant metallic blue–green in life, fading after death to grey with a green tinge; sides silvery with a golden sheen and row of dark spots of golden blotches running below dorsal fin scattered irregularly; pectoral fins pale, caudal fin silvery with a golden sheen.

**FAO names:** Common dolphinfish (En)  
Coryphène commune (Fr)



**Size:** To 210 cm, common 100 cm

**MENIDAE**

## Moonfishes

***Mene maculata*** (Bloch & Schneider, 1801)

**Local name(s):** N: No information; S: Jutejute/ Korokoro (M).

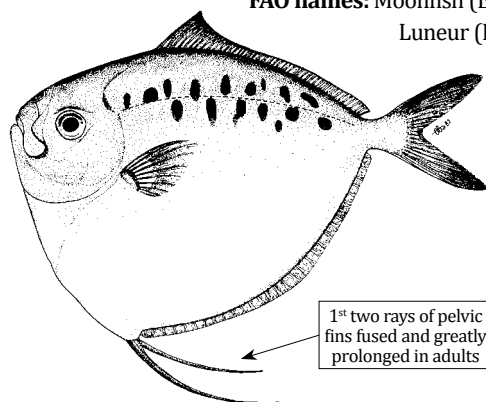
**Habitat:** Deeper coastal waters, around coral reefs, sometimes in estuaries.

**Fisheries:** Bottom trawls, Beach seines, Traps.

**Distinctive Characters:** Upper jaw protrusible; dorsal fin long and low; anal fin very long and low, with very short rays and overgrown with skin in adults, so that only their widely branched tips are visible; pectoral fins shorter than head, with 15 soft rays; caudal fin forked.

**Colour:** Dark blue dorsally and silvery white below; several small round black spots on dorsal part of body.

**FAO names:** Moonfish (En)  
Luneur (Fr)



**Size:** To 30 cm, common 20 cm

**LEIOGNATHIDAE**

## Ponyfishes – Slipmouths – Tooth-ponies

***Aurigequula fasciata*** (Lacepède 1803)

**Local name(s):** N: Korokoro; S: Korokoro/Kibamba/ Kibati (M).

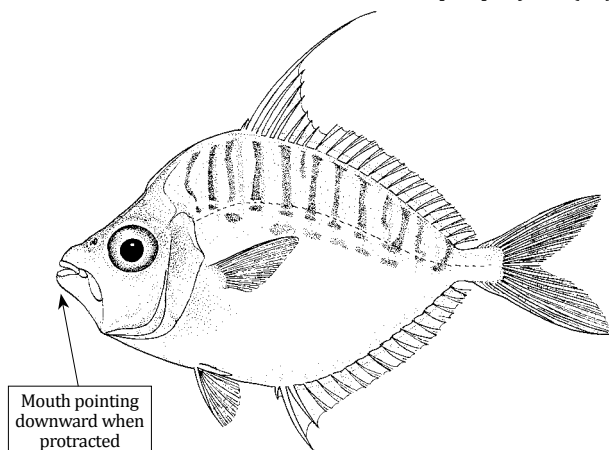
**Habitat:** Coastal shallow waters near bottom down to 40 m.

**Fisheries:** Beach seines, Bottom trawls.

**Distinctive Characters:** Head naked, with nuchal spine; thin scales on breast; dorsal fin with 7–8 spines and 16 rays; anal fin with 3 spines and 14 rays; 2<sup>nd</sup> dorsal spine very long and filamentous.

**Colour:** Body silvery; about 11 widely spaced, dark vertical lines on back superimposed by a few yellow blotches and fading gradually towards lower sides; axil of pectoral fins yellow.

**FAO names:** Striped ponyfish (En)



**Size:** To 21 cm, common 17 cm

***Equulites elongatus*** (Günther, 1874)

**FAO names:** Slender ponyfish (En)  
Sapsap élégant (Fr)

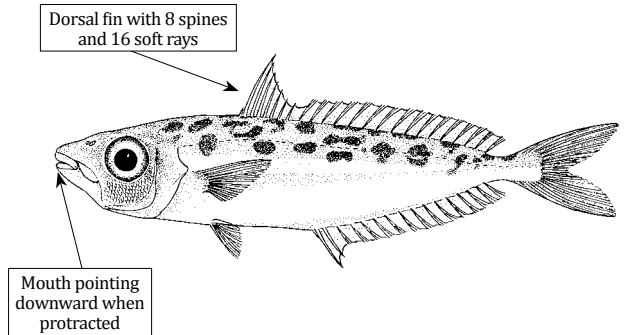
**Local name(s):** N: Korokoro; S: Korokoro (M).

**Habitat:** Coastal shallow waters, in schools, near the bottom down to 40 m.

**Fisheries:** Beach seines, Bottom trawls.

**Distinctive Characters:** Body elongate and slender not deeper than head length; breast scaled; anal fin with 3 spines and 14 soft rays.

**Colour:** Body silvery back with irregular green and dark marbling; horizontal yellow band at mid-height of spiny part of dorsal fin; most of margin of dorsal-fin soft part, orange.



**Size:** To 12 cm, common 8 cm

***Equulites leuciscus*** (Günther, 1860) \*

**FAO names:** Whipfin ponyfish (En)  
Sapsap fil (Fr)

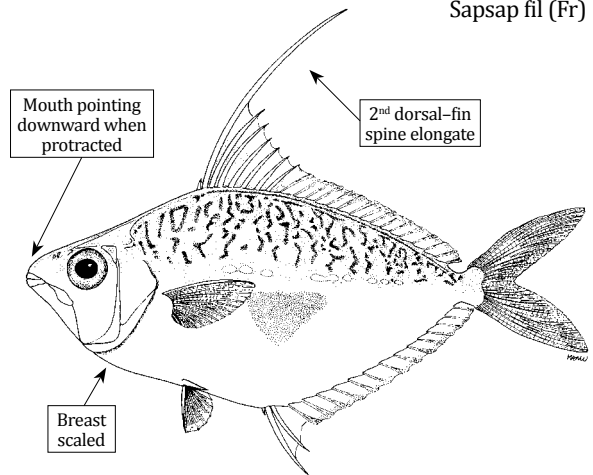
**Local name(s):** N: Korokoro; S: Korokoro (M).

**Habitat:** Coastal shallow waters near bottom down to 40 m.

**Fisheries:** Beach seines, Bottom trawls.

**Distinctive Characters:** Dorsal fin with 8 spines and 16 soft rays; anal fin with 3 spines and 14 soft rays; second anal-fin spine slightly elongate;

**Colour:** Belly silvery, back with irregular, partly semi-circular, greyish-green vermiculations; a row of oval yellow blotches below lateral line; membrane between dorsal-fin spines yellow and mid-height edge of soft part of dorsal fin also yellow, superimposed with light grey; anal fin of similar colour to dorsal; posterior margin of caudal fin yellowish.



**Size:** To 25 cm, common 10 cm

***Gazza minuta*** (Bloch, 1795)

**FAO names:** Tooth ponyfish (En)  
Sapsap dentu (Fr)

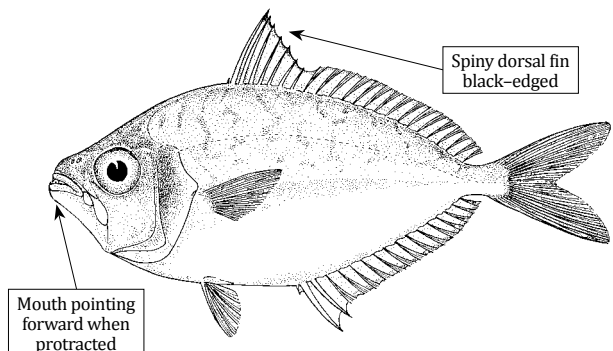
**Local name(s):** N: Korokoro; S: Korokoro (M).

**Habitat:** Coastal waters down to 40 m.

**Fisheries:** Beach seines, Bottom trawls.

**Distinctive Characters:** Head scaleless, but scales covering entire body except for breast ahead of a line from base of pectoral-fin origin to anal fin; nuchal spine on nape.

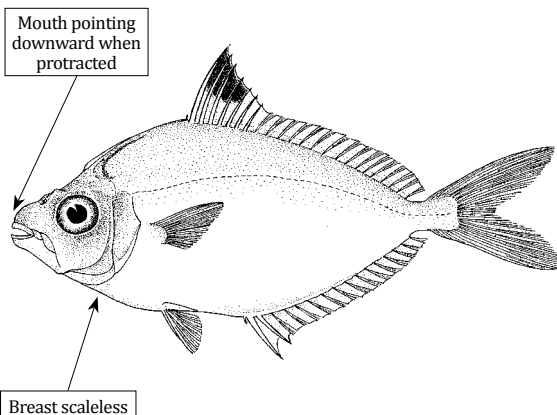
**Colour:** Silvery, back greyish, with dark yellow irregular marks extending to below lateral line; soft part of dorsal, pectoral and pelvic fins colourless; anterior part of anal yellow; underside of pectoral-fin bases and snout with black dots.



**Size:** To 21 cm, common 15 cm

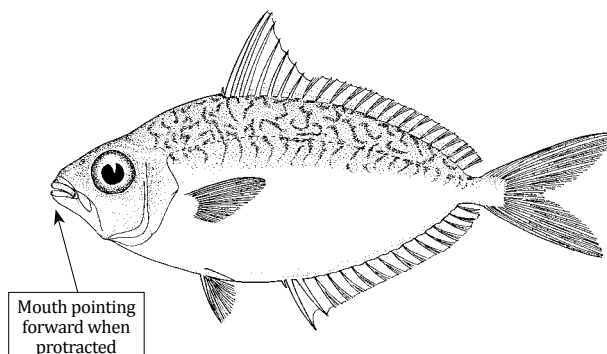
***Karalla daura* (Cuvier 1829) (Plate VII, 63)**

FAO names: Goldenstripe ponyfish (En)

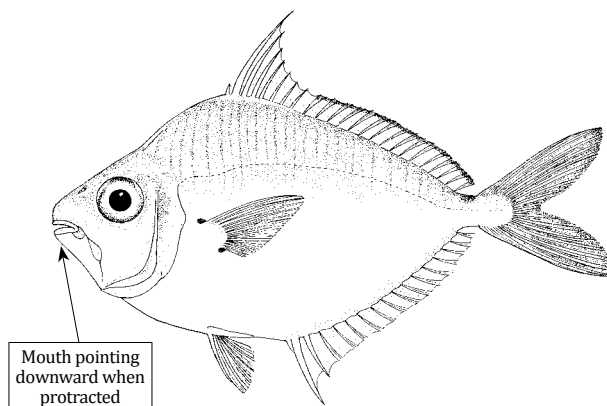
**Local Name(s):** N: Korokoro; S: Korokoro (M).**Habitat:** Coastal shallow waters in schools near bottom up to 40 m.**Fisheries:** Beach seines, Bottom trawls.**Distinctive Characters:** Snout somewhat blunt.**Colour:** Back grey-greenish, belly silvery; black dots all over ventral half of body; a golden hue on dorsal half of body and on head; tip of snout black; distal half of anal fin golden yellow from 2<sup>nd</sup> spine onwards; distal half of membrane between 2<sup>nd</sup> and 6<sup>th</sup> dorsal spine black**Size:** To 14 cm, common 9 cm***Leiognathus berbis* (Valenciennes, 1835) (Plate VII, 64)**

FAO names: Berber ponyfish (En)

Sapsap berbère (Fr)

**Local name(s):** N: Korokoro; S: Korokoro (M).**Habitat:** Coastal shallow waters in schools near bottom down to 40 m.**Fisheries:** Beach seines, Bottom trawls.**Distinctive Characters:** More or less distinct notch present at nape; snout pointed; breast scaled.**Colour:** Belly silvery; back greenish to brownish with light grey, crowded irregular vermiculations extending on sides to slightly below lateral line; snout and underside of pectoral-fin bases dotted black.**Size:** To 11 cm, common 9 cm***Leiognathus equulus* (Forsskål, 1775) (Plate VII, 65)**

FAO names: Common ponyfish (En)

**Local name(s):** N: Korokoro; S: Korokoro/Kibamba/Kibati (M).**Habitat:** Coastal shallow waters near bottom down to 40 m.**Fisheries:** Beach seines, Bottom trawls.**Distinctive Characters:** Body deep and compressed with short rounded snout and large eyes; head and breast scaleless; strongly arched back; dorsal fin with 8 spines and 15–16 rays; anal fin with 3 spines and 14–15 rays.**Colour:** Adults, back greyish, belly silvery, and close-set faint bars on back and sides; a dark brown saddle on caudal peduncle.**Size:** To 28 cm, common 20 cm

***Secutor insidiator*** (Bloch, 1787) (Plate VII, 66)

FAO names: Pugnose ponyfish (En)

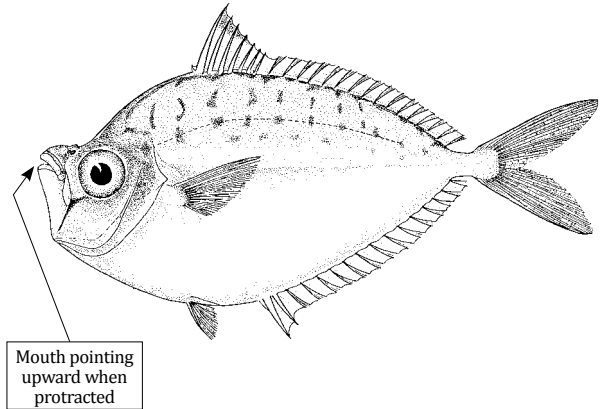
**Local name(s):** N: Korokoro; S: Korokoro(M).

**Habitat:** Demersal in coastal shallow waters down to 40 m.

**Fisheries:** Beach seines, Bottom trawls.

**Distinctive Characters:** Body oval, deep and compressed; head strongly concave above eye; snout pointed; mouth strongly oblique; nostrils situated above eyes; lateral line reaching backward nearly below dorsal-fin end; cheeks scaleless.

**Colour:** Belly silvery; back greenish to brownish, with about 10 dark broken vertical bars and spots extending to little below lateral line; a black, curved band from lower margin of eye to posterior angle of lower jaw; dorsal-fin membrane between 2<sup>nd</sup> and 6<sup>th</sup> spines black at upper 1/3; caudal fin partly yellow; underside of pectoral-fin base dotted black.



**Size:** To 11 cm, common 8 cm

***Secutor ruconius*** (Hamilton, 1822)\*

FAO names: Deep pugnose ponyfish (En)

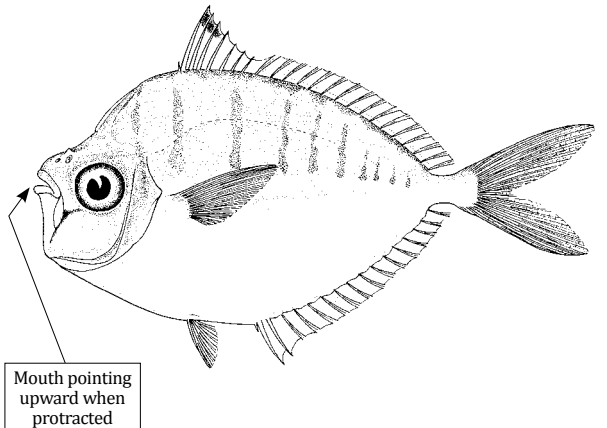
**Local name(s):** N: Korokoro; S: Korokoro.

**Habitat:** Shallow waters, lives near bottom down to 40 m; enters estuaries and rivers.

**Fisheries:** Beach seines, Bottom trawls.

**Distinctive Characters:** Body oval, very deep and compressed; head strongly concave above eye; lateral line ending below about middle of soft portion of dorsal fin.

**Colour:** Silvery, with about 10 bluish vertical bars on back extending to a little below lateral line; a prominent curved black band running from lower margin of eye to beyond posterior angle of lower jaw; membrane between 2<sup>nd</sup> and 5<sup>th</sup> dorsal-fin spines black on upper 1/3 portion; caudal fin partly yellow; underside of pectoral-fin bases black.



**Size:** To 8 cm, common 6 cm

**BRAMIDAE**

Pomfrets – Ocean breams

***Brama dussumieri*** Cuvier, 1831

FAO names: Lesser bream (En)

Castagnole mignonne (Fr)

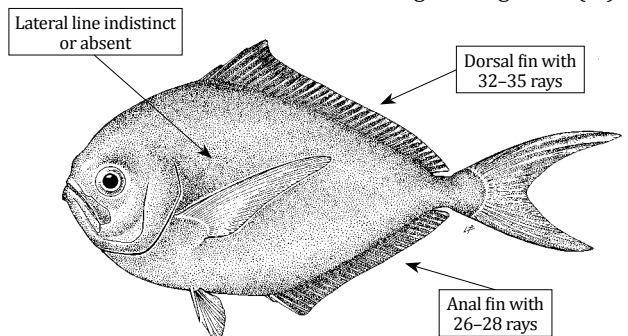
**Local name(s):** N & S: No information.

**Habitat:** Pelagic occurring along the continental shelf.

**Fisheries:** By-catch in bottom trawls.

**Distinctive Characters:** Caudal peduncle short and compressed, without keels; eye large, centrally located; mouth large, oblique; lower edges of mandibles in contact for their entire lengths; scales smooth, with uneven edges.

**Colour:** Dark brown to tan, median fins may be darker than body; pectorals light.



**Size:** To 22.5 cm

**LUTJANIDAE**

## Snappers – Jobfishes

***Aphareus furca* (Lacepède, 1801) (Plate VIII, 67)**

**FAO names:** Small toothed jobfish (En)  
Vivaneau tidents (Fr)

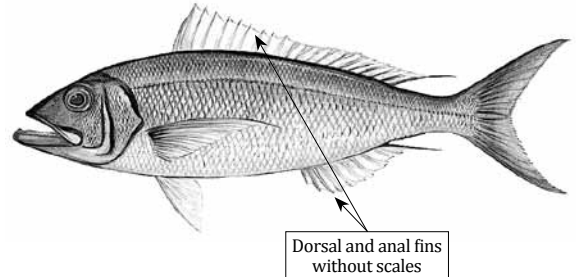
**Local name(s):** N: Tembo; S: Chauziwa (M), Tembo (K).

**Habitat:** Solitary or in groups in inshore coral reefs of clear lagoons and seaward reefs, down to 122 m.

**Fisheries:** Handlines, Longlines, Gillnets.

**Distinctive Characters:** Lower jaw protruding; dorsal fin with 10 spines and 11 soft rays; anal fin with 3 spines and 8 soft rays; pectoral fins with 15–16 soft rays; pectoral fins long, reaching to above anus.

**Colour:** Silvery–purplish brown dorsally, light silvery–bluish grey ventrally; lower jaw silvery; vertical edge of opercle and preopercle blackish; median fins yellow to yellowish brown.



**Size:** To 70 cm, common 30 cm

***Aphareus rutilans* Cuvier, 1830 (Plate VIII, 68)**

**FAO names:** Rusty jobfish (En)  
Vivaneau rouillé (Fr)

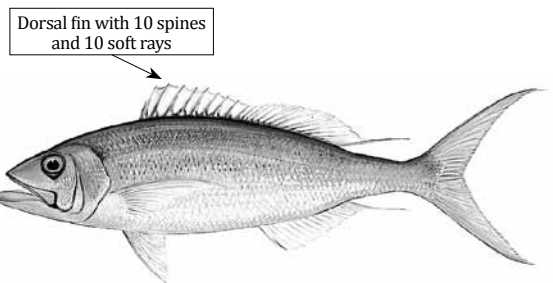
**Local name(s):** N: Tembo; S: Domozare, (M), Tembo (K).

**Habitat:** Reef areas from 10 m to 250 m.

**Fisheries:** Trolling gears, Handlines, Bottom longlines, Bottom trawls.

**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; pectoral fins with 15–16 soft rays, lower pectoral rays longer than middle rays; dorsal and anal fins without scales.

**Colour:** Head and body brick red or pink dorsally; inside of mouth, gill chamber and gills shiny silver; edge of maxilla and lower jaw black; vertical edge of preopercle narrowly black; fins reddish.



**Size:** To 110 cm, common 80 cm

***Aprion virescens* Valenciennes, 1830 (Plate VIII, 69)**

**FAO names:** Green jobfish (En)  
Vivaneau job (Fr)

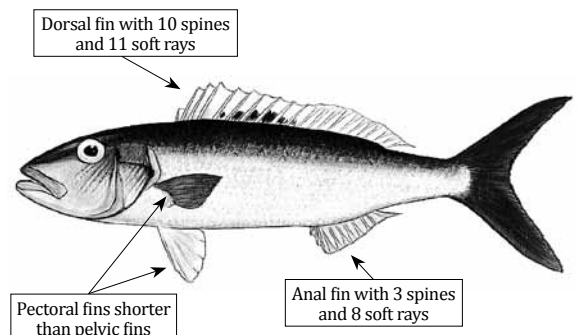
**Local name(s):** N: Tembo; S: Mpale (M), Mrongo (K).

**Habitat:** Shore reef areas, open waters, deep lagoons channels, down to 180 m.

**Fisheries:** Handlines, Bottom longlines, Gillnets, Bottom trawls, Trolling gears, Lured hooks.

**Distinctive Characters:** Preopercular edge smooth, sometimes denticulate in juveniles; a distinct horizontal groove in front of eyes; pectoral fins short; dorsal and anal fins without scales.

**Colour:** Dark green to blue or green; a black area often present at base of last 5 interspiny membranes of dorsal fin.



**Size:** To 110 cm, common 90 cm

***Etelis carbunculus* Cuvier, 1828**

**(Plate VIII, 70)**

**FAO names:** Deep-water red snapper (En)  
Vivaneau rubis (Fr)

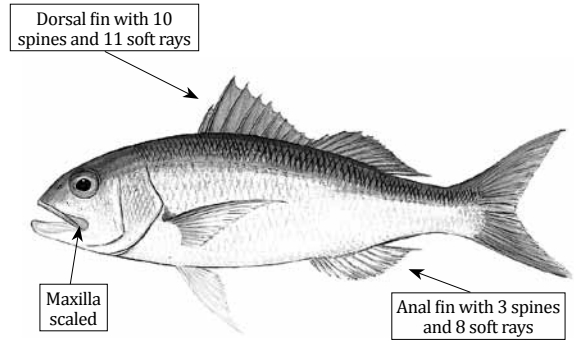
**Local name(s):** N: Chauziwa; S: Nduji (M), Tembo (K).

**Habitat:** Rocky bottoms from 90 m to 400 m.

**Fisheries:** Bottom longlines, Deep handlines.

**Distinctive Characters:** Gill rakers on lower limb of 1<sup>st</sup> arch (including rudiments), 11 to 14; pectoral fins with 15–17 rays; caudal fin forked, the lobes relatively short compared to other *Etelis*; dorsal and anal fins without scales.

**Colour:** Mainly pink to red, becoming white on lower sides and belly.



**Size:** To 127 cm, common 65 cm

***Etelis coruscans* Valenciennes, 1862**

**(Plate VIII, 71)**

**FAO names:** Deepwater longtail red snapper (En)  
Vivaneau flamme (Fr)

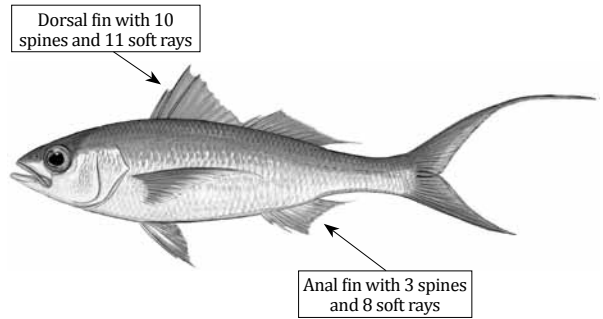
**Local name(s):** N: Chauziwa; S: Nduji (M), Tembo (K).

**Habitat:** Rocky bottoms from 100 m to 300 m.

**Fisheries:** Deep handlines.

**Distinctive Characters:** Gill rakers on lower limb of 1<sup>st</sup> arch (including rudiments), 15 to 18; pectoral fins with 15–16 soft rays; upper caudal-fin lobe becoming greatly elongate with increased growth; dorsal and anal fins without scales.

**Colour:** Generally reddish; darker dorsally, silvery ventrally.



**Size:** To 120 cm, common 50 cm

***Lutjanus argentimaculatus* (Forsskål, 1775)**

**(Plate VIII, 72)**

**FAO names:** Mangrove red snapper (En)  
Vivaneau des mangroves (Fr)

**Local name(s):** N: Tazanda; S: Kiunga (M/K).

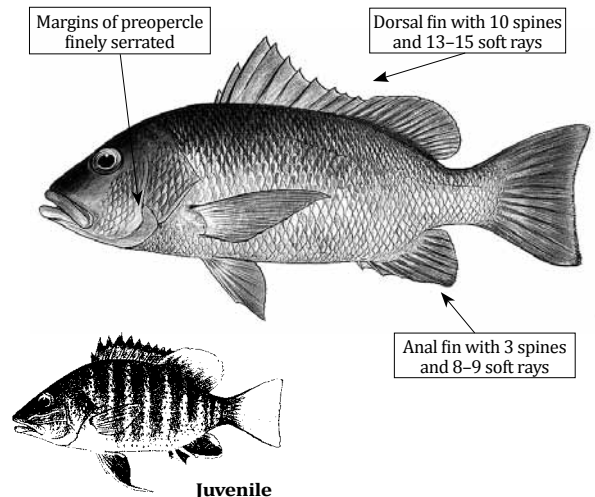
**Habitat:** Juveniles and young adults in mangrove estuaries and lower reaches of freshwater streams; adults in deeper reef areas down to 120 m.

**Fisheries:** Handlines, Bottom longlines, Bottom trawls, Gillnets.

**Distinctive Characters:** Head profile straight; preopercle un-notched, or at most with a slight notch; caudal fin truncate or slightly emarginate; soft parts of dorsal and anal fins with a scaly sheath.

**Colour:** Generally greenish-brown on back, grading to reddish on sides and ventral parts; somewhat paler on belly; often a silvery patch in the centre of each scale; juveniles with broad dark bars on body.

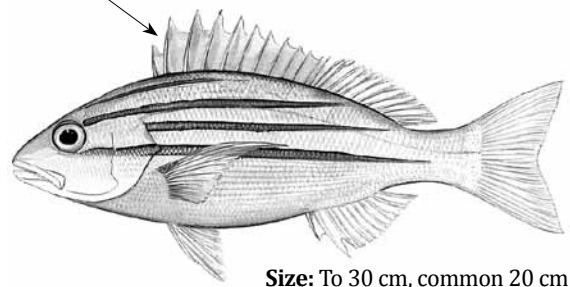
**Remarks:** *L. argentimaculatus* is distinguished from *L. bohar* by its longer snout and truncate tail and more bronze to greenish coloration.



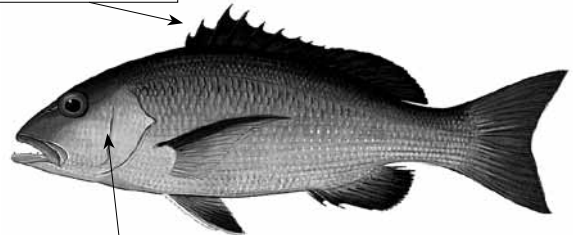
**Size:** To 150 cm, common 80 cm

***Lutjanus bengalensis*** (Bloch, 1790) (Plate VIII, 73)FAO names: Bengal snapper (En)  
Vivaneau du Bengale (Fr)**Local name(s):** N: Tembo; S: Tembo kaza (M), Tembo (K).**Habitat:** Coral and rocky reefs from 10 m to 30 m.**Fisheries:** Handlines, Traps, Gillnets.**Distinctive Characters:** A prominent notch on rear edge of preopercle; anal fin with 3 spines and 8 soft rays; caudal fin emarginate.**Colour:** Back and sides yellowish; belly whitish; sides with a series of 4 bright blue stripes; no black spot on back below middle of dorsal fin; the medial fins are yellow, the pectoral and pelvic fins whitish.

Dorsal fin with 11–12 spines and 12–14 soft rays

**Size:** To 30 cm, common 20 cm***Lutjanus bohar*** (Forsskål, 1775) (Plate VIII, 74)FAO names: Two-spot red snapper (En)  
Vivaneau chien rouge (Fr)**Local name(s):** N: Tembo; S: Tembo (M, K).**Habitat:** Channel and seaward reefs down to 180 m.**Fisheries:** Handlines, Bottom longlines.**Distinctive Characters:** Head profile slightly convex; a deep groove or pit runs from the nostrils to the front of the eye; preopercular margin with a distinct, shallow notch and an interopercular knob.**Colour:** Red or purplish red; juveniles and some adults with 2 distinct silvery spots on body between lateral line and dorsal fin; usually centre of each scale silvery.

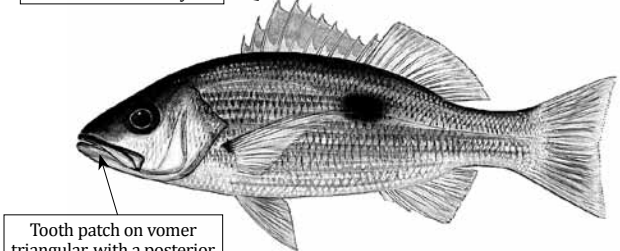
Dorsal fin with 10–11 spines and 14 soft rays



Vertical and horizontal borders of preopercle finely denticulate

**Size:** To 90 cm, common 60 cm***Lutjanus ehrenbergii*** (Peters, 1869) (Plate VIII, 75)FAO names: Blackspot snapper (En)  
Vivaneau encrier (Fr)**Local name(s):** N: Tembo mbavaa/Mbawaa; S: Tembo kaza (M), Tembo (K).**Habitat:** Occurs in coastal lagoon and seaward reefs from 5 m to 20 m.**Fisheries:** Handlines, Traps, Gillnets.**Distinctive Characters:** Soft parts of fins scaled; anal fin with 3 spines and 7–8 soft rays; scale rows on the upper back run parallel to lateral line.**Colour:** Generally lemon-yellow grading to white or silvery on lower sides and head; yellow-brown horizontal stripes frequently present on sides; fins yellow; large black spot on lateral line.

Dorsal fin with 10 spines and 13–14 soft rays



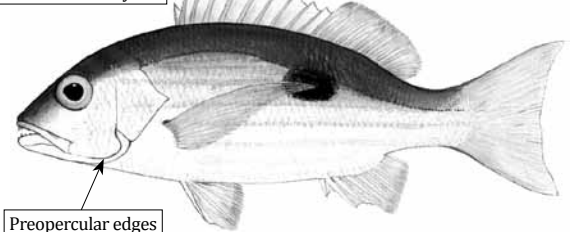
Tooth patch on vomer triangular, with a posterior median extension

**Size:** To 35 cm, common 20 cm***Lutjanus fulviflamma*** (Forsskål, 1775) (Plate VIII, 76)

FAO names: Dory snapper (En)

**Local name(s):** N: Tembo mbavaa/Mbawaa; S: Tembo (M, K).**Habitat:** Coral reefs from 3 m to 35 m.**Fisheries:** Handlines, Traps, Gillnets, Seines.**Distinctive Characters:** A slight preopercular notch; anal fin with 3 spines and 7–8 soft rays; soft parts of dorsal and anal fins scaled; scale rows on back rising obliquely above lateral line.**Colour:** Yellow-green or yellow above, silvery-pink below, sometimes with marked longitudinal golden stripes; large black spot on lateral line.

Dorsal fin with 10 spines and 12–13 soft rays



Preopercular edges finely serrated

**Size:** To 35 cm, common 30 cm



***Lutjanus fulvus*** (Forster, 1801) (Plate IX, 77)

**Local name(s):** N: Tembo; S: Tembo kaza (M), Tembo (K).

**Habitat:** Coral reefs, lagoons and outer reef slopes from 1 m to 75 m.

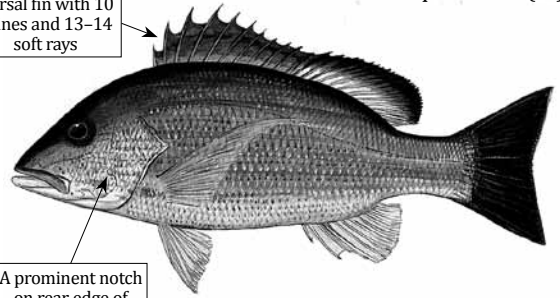
**Fisheries:** Handlines, Traps, Gillnets.

**Distinctive Characters:** Anal fin with 3 spines and 8 soft rays; soft parts of dorsal and anal fins scaled.

**Colour:** Background colour grey, grey-brown or yellowish; dorsal fin overall reddish or dusky; anal and pelvic fins translucent with a yellow suffusion; caudal fin black.

Dorsal fin with 10 spines and 13-14 soft rays

A prominent notch on rear edge of preopercle



**FAO names:** Blacktail snapper (En)  
Vivaneau a queue noir (Fr)

**Size:** To 40 cm, common 25 cm

***Lutjanus gibbus*** (Forsskål, 1775) (Plate IX, 78)

**Local name(s):** N: Tembo/Numba; S: Tembo (M, K).

**Habitat:** Lagoons and coral reefs from 1 m to 150 m.

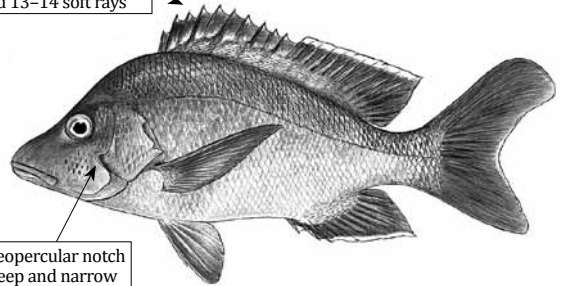
**Fisheries:** Handlines, Traps, Gillnets.

**Distinctive Characters:** Dorsal profile of head steeply sloped in adults; anal fin with 3 spines and 8 rays; caudal fin becoming deeply forked with age, its upper lobe larger than lower lobe in adults and distinctly rounded; soft part of dorsal and anal fins with a scaly sheath.

**Colour:** Deep red; juveniles grey with posterior part of caudal peduncle and caudal fin dark brown.

Dorsal fin with 10 spines and 13-14 soft rays

Preopercular notch deep and narrow



**FAO names:** Humpback red snapper (En)  
Vivaneau pagaie (Fr)

**Size:** To 50 cm, common 40 cm

***Lutjanus johnii*** (Bloch, 1792) (Plate IX, 79)

**Local name(s):** N: Tembo mbavaa/Mbawaa; S: Tembo (M), Tembo (K).

**Habitat:** Juveniles occur in brackish mangrove estuaries, adults on coral reefs down to 80 m.

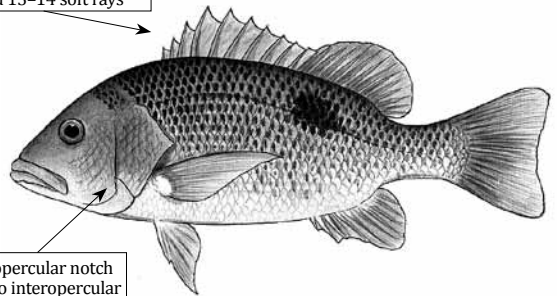
**Fisheries:** Handlines, Bottom longlines, Traps.

**Distinctive Characters:** Dorsal profile of head steeply sloped; anal fin with 3 spines and 8 rays; soft parts of dorsal and anal fins with a scaly sheath.

**Colour:** Body silvery-green or bronze or red, with a distinct dark spot on each scale forming a lengthwise series of dark streaks; large black spot on lateral line.

Dorsal fin with 10 spines and 13-14 soft rays

Preopercular notch but no interopercular knob



**FAO names:** John's snapper (En)  
Vivaneau ziebelo (Fr)

**Size:** To 97 cm, common 50 cm

***Lutjanus kasmira*** (Forsskål, 1775) (Plate IX, 80)

**Local name(s):** N: Tembo; S: Tembo kaza (M), Tembo (K).

**Habitat:** Shallow sheltered reefs to exposed seaward reefs, below surge zone down to 265 m.

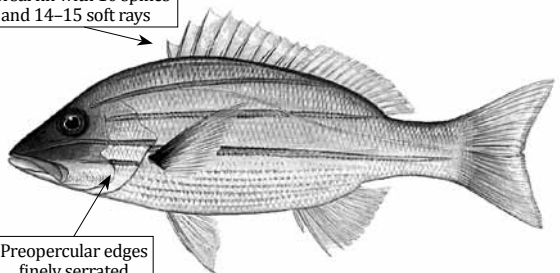
**Fisheries:** Handlines, Traps, Gillnets.

**Distinctive Characters:** A prominent notch on rear edge of preopercle; anal fin with 3 spines and 8 soft rays.

**Colour:** Yellow with abrupt transition to white on lower one-third; a series of 4 blue stripes on yellow portion of body.

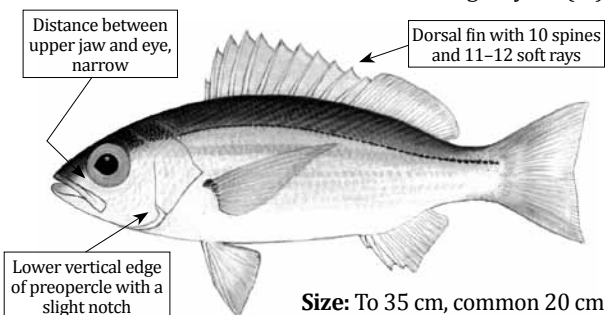
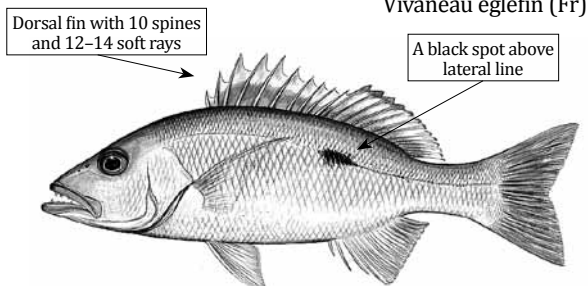
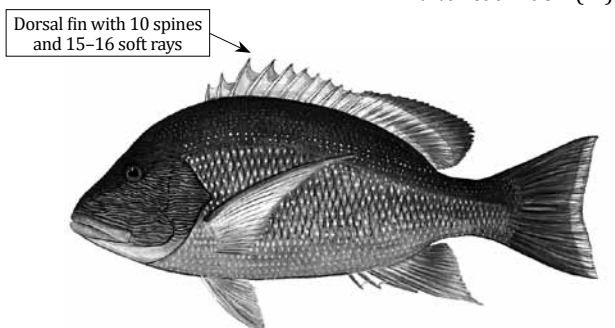
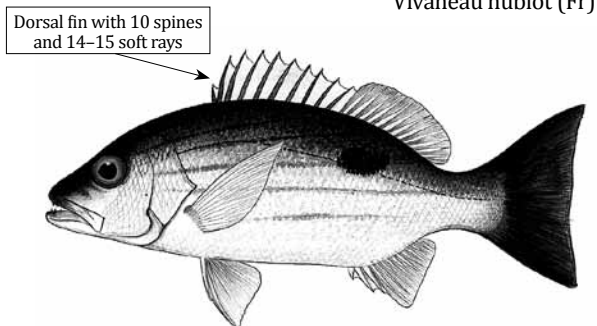
Dorsal fin with 10 spines and 14-15 soft rays

Preopercular edges finely serrated



**FAO names:** Common bluestripe snapper (En)  
Vivaneau à raies bleues (Fr)

**Size:** To 40 cm, common 25 cm

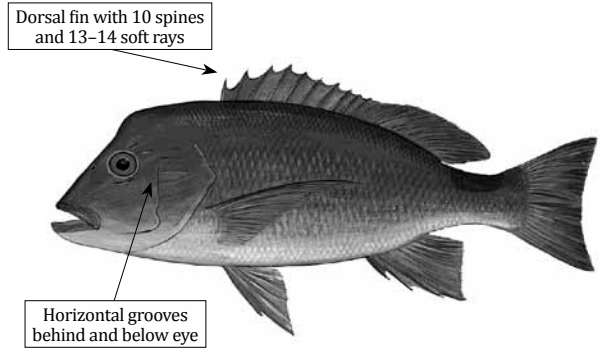
***Lutjanus lutjanus*** Bloch, 1790 (Plate IX, 81)**Local name(s):** N: Tembo; S: Tembo (M, K).**Habitat:** Offshore coral reefs down to 90 m.**Fisheries:** Handlines, Bottom trawls.**Distinctive Characters:** An elongate, large eyed snapper; dorsal profile of head gently sloped; anal fin with 3 spines and 8 soft rays; caudal fin slightly forked.**Colour:** Background colour yellowish or pale brown, with a stronger dark yellow stripe along sides from tip of snout, through eye, to caudal fin.**Size:** To 35 cm, common 20 cm**FAO names:** Bigeye snapper (En)  
Vivaneau gros yeux (Fr)***Lutjanus monostigma*** (Cuvier, 1828) (Plate IX, 82)**Local name(s):** N: Tembo mbavaa/Mbawaa; S: Tembo (M, K).**Habitat:** Outer lagoons and seaward reefs from 1 m to 60 m.**Fisheries:** Handlines, Traps, Gillnets.**Distinctive Characters:** Dorsal profile of head gently to moderately sloped; anal fin with 3 spines and 8 rays; caudal fin truncate to emarginate; soft parts of dorsal and anal fins with a scaly sheath.**Colour:** Overall yellowish to pinkish-white; grey or brown on upper back and dorsal portion of head.**Size:** To 60 cm, common 50 cm**FAO names:** One-spot snapper (En)  
Vivaneau églefin (Fr)***Lutjanus rivulatus*** (Cuvier, 1828) (Plate IX, 83)**Local name(s):** N: Tembo chusi; S: Tembo (M, K).**Habitat:** Coral reefs from 50 m to 100 m.**Fisheries:** Handlines, Traps, Bottom trawls.**Distinctive Characters:** Dorsal profile of head steeply sloped; preorbital bone broad, about twice the eye diameter; preopercular notch and knob moderately developed; anal-fin lobes pointed.**Colour:** Head with numerous undulating blue lines; large adults brownish to grey with small white spots and fine striations on the head; juveniles with a series of 3 to 8 brown bars on sides and a chalky-white spot, with a broad blackish margin, present below anterior soft-dorsal ray.**Size:** To 80 cm, common 60 cm**FAO names:** Blubberlip snapper (En)  
Vivaneau maori (Fr)***Lutjanus russellii*** (Bleeker, 1849) (Plate IX, 84)**Local name(s):** N: Tembo mbavaa/Mbawaa; S: Tembo kaza (M), Tembo (K).**Habitat:** Coral reefs down to 80 m.**Fisheries:** Handlines, Traps, Bottom trawls.**Distinctive Characters:** Head profile a little concave; interorbital space convex; anal fin with 3 spines and 8-9 soft rays.**Colour:** Generally whitish or pink with silvery sheen, frequently brownish on the upper part of the head and back; a black spot, which is sometimes faint, on lateral line below the anterior portions of the soft-dorsal fin.**Size:** To 50 cm, common 30 cm**FAO names:** Russell's snapper (En)  
Vivaneau hublot (Fr)

***Lutjanus sanguineus*** (Cuvier, 1828)

(Plate X, 85)

**FAO names:** Humphead snapper (En)  
Vivaneau tête (Fr)

**Local name(s):** N: Shogo; S: Shogo (M/K).  
**Habitat:** Coral banks from 9 m to 100 m.  
**Fisheries:** Handlines, Vertical longlines, Traps, Bottom trawls.  
**Distinctive Characters:** Dorsal profile of head angular with a pronounced hump above eyes becoming more prominent with age; snout steeply sloped; anterior and posterior nostrils widely spaced; preopercular notch and knob poorly developed; anal fin with 3 spines and 9 soft rays.  
**Colour:** Overall red, pale below; an indistinct saddle-line blotch dorsally on caudal peduncle sometimes apparent; palatine yellow; fins red; juveniles with a broad brown bar from upper jaw to beginning of dorsal fin and a series of reddish horizontal lines on sides.



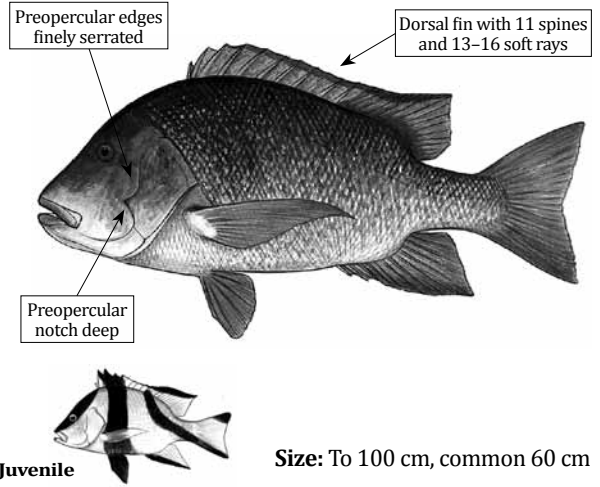
**Size:** To 100 cm, common 70 cm

***Lutjanus sebae*** (Cuvier, 1816)

(Plate X, 86)

**FAO names:** Emperor red snapper (En)  
Vivaneau bourgeois (Fr)

**Local name(s):** N: Kungu; S: Nzuki (M), Tembo (K).  
**Habitat:** Lagoons and sand flats near coral reefs from 10 m to 100 m.  
**Fisheries:** Handlines, Traps and Gillnets.  
**Distinctive Characters:** Head profile straight or convex; anal fin with 3 spines and 10-11 soft rays; soft parts of dorsal and anal fins pointed and with a scaly sheath.  
**Colour:** Large adults red or pink; fins are red except the pectorals which is pink; juveniles and smaller adults pink with a dark red band from 1<sup>st</sup> dorsal spine through eye to tip of snout; a 2<sup>nd</sup> dark band from middle of spiny part of dorsal fin to pelvic fin and a 3<sup>rd</sup> band running from base of last dorsal-fin spines obliquely down across caudal peduncle and along lower rays of caudal fin.



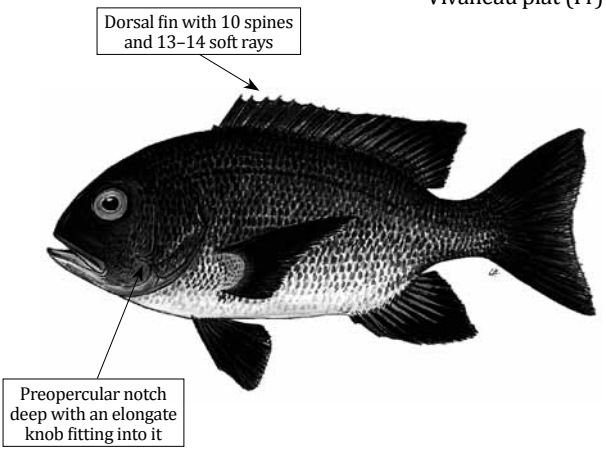
**Size:** To 100 cm, common 60 cm

***Macolor niger*** (Forsskål, 1775)

(Plate X, 87)

**FAO names:** Black and white snapper (En)  
Vivaneau plat (Fr)

**Local name(s):** N: Tembo; S: Tembo kitubaku (M), Tembo (K).  
**Habitat:** Coral reefs from 3 m to 90 m.  
**Fisheries:** Handlines, Gillnets, Traps.  
**Distinctive Characters:** Head profile convex; anal fin with 3 spines and 11 soft rays; soft parts of dorsal and anal fins pointed; pectoral fins long.  
**Colour:** Body silvery grey, strongly blotched with blackish; snout and dorsal part of head with a fine dark grey and pale reticular pattern; juveniles completely coloured in black and white, the pattern changing with growth.



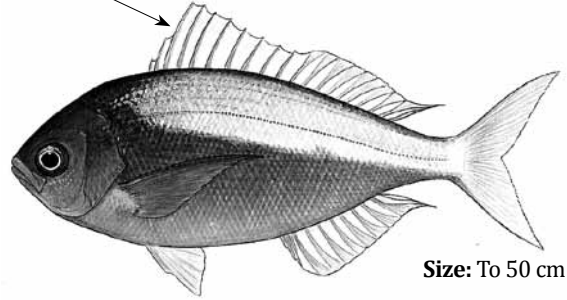
**Size:** To 75 cm, common 35 cm

***Paracaesio xanthura*** (Bleeker, 1869)

(Plate X, 88)

FAO names: Yellowtail blue snapper (En)  
Vivanette queue jaune (Fr)**Local name(s):** N: No information; S: Tembo (M, K).**Habitat:** Rocky bottoms from 20 m to 150 m.**Fisheries:** Handlines, Bottom longlines.**Distinctive Characters:** Interorbital space broad and convex; last ray of anal and dorsal fins shorter than preceding rays; anal fin with 3 spines and 8 soft rays; pectoral fins long and falcate, much longer than head length; caudal fin forked.**Colour:** Background colour blue, grading to white ventrally; a broad yellow stripe on back; caudal fin yellow; other fins white to translucent.

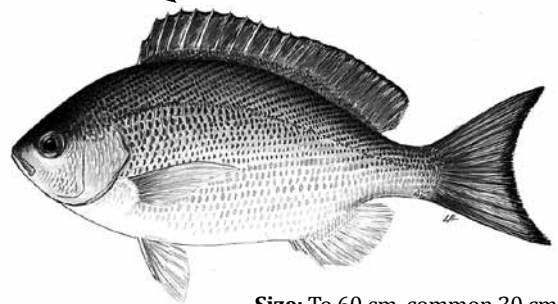
Dorsal fin with 10 spines and usually 10 soft rays (rarely 11)

**Size:** To 50 cm***Pinjalo pinjalo*** (Bleeker, 1850)

(Plate X, 89)

FAO names: Pinjalo (En)  
Pinjalo (Fr)**Local name(s):** N: No information; S: Tembo (M, K).**Habitat:** Reefs and rocky bottoms down to 60 m.**Fisheries:** Handlines, Traps, Bottom trawls.**Distinctive Characters:** Mouth small and oblique; dorsal profile of head high and convex; eye with an adipose lid; horizontal axis from snout tip to middle of caudal fin, cuts through pupil of eye; anal fin with 3 spines and 8–10 soft rays; caudal fin deeply lunate; fins scaled.**Colour:** Body pink or red; pelvic and anal fins yellow to pink; caudal fin with a dark margin.

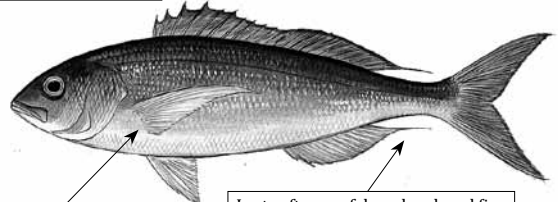
Dorsal fin with 11 spines and 13–15 soft rays

**Size:** To 60 cm, common 30 cm***Pristipomoides filamentosus*** (Valenciennes, 1830)

(Plate X, 90)

FAO names: Crimson jobfish (En)  
Colas fil (Fr)**Local name(s):** N: Tembo; S: Namanaku (M), Tembo (K).**Habitat:** Rocky bottoms from 90 m to 360 m.**Fisheries:** Bottom longlines, Deep handlines.**Distinctive Characters:** Tongue toothless; interorbital space flat; anal fin with 3 spines and 8 soft rays; caudal fin forked; no scales on dorsal and anal fins.**Colour:** Body variable from lavender with a blue tinge to reddish purple; small blue spots on top of head; dorsal fin with 2 yellowish longitudinal lines; soft dorsal and caudal fins margined with red.

Dorsal fin with 10 spines and 11 soft rays



Pectoral fin as long as head and slightly falcate

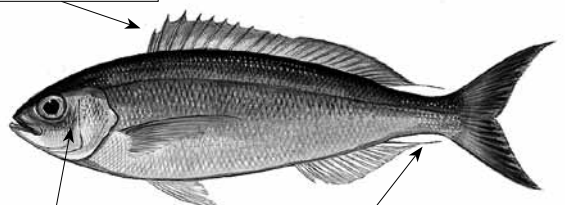
Last soft rays of dorsal and anal fins extended into short filaments

**Size:** To 100 cm, common 50 cm***Pristipomoides sieboldii*** (Bleeker, 1855)

(Plate X, 91)

FAO names: Lavender jobfish (En)  
Colas lavande (Fr)**Local name(s):** N: Tembo; S: Namanaku (M), Tembo (K).**Habitat:** Rocky bottoms from 180 m to 360 m.**Fisheries:** Bottom longlines, Deep handlines.**Distinctive Characters:** Interorbital space flat; tongue toothed; anal fin with 3 spines and 8 soft rays; pectoral fins as long as head, slightly falcate; no scales on dorsal and anal fins.**Colour:** Body light lavender or violet, paler ventrally; caudal fin dark lavender with a light margin; dark spots on top of head, conspicuous in younger specimens.

Dorsal fin with 10 spines and 11 soft rays



Horizontal grooves behind and below eye

Last soft rays of dorsal and anal fins extended into short filaments

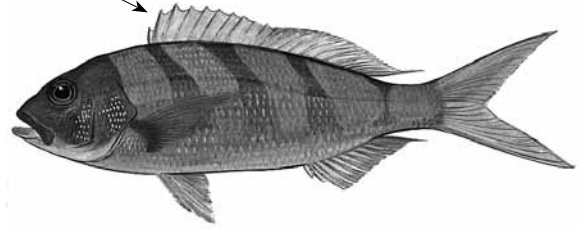
**Size:** To 70 cm, common 40 cm

***Pristipomoides zonatus* (Valenciennes, 1830)**

**(Plate X, 92)** **FAO names:** Oblique-banded snapper (En)  
Colas bagnard (Fr)

**Local name(s):** N: Tembo; S: Tembo (M, K).  
**Habitat:** Rocky bottoms from 70 m to 300 m.  
**Fisheries:** Handlines.  
**Distinctive Characters:** Tongue toothless; anal fin with 3 spines and 8 rays; pectoral fins with 15–16 rays; no scales on dorsal and anal fins; last soft ray of dorsal and anal fins extended into short filaments.  
**Colour:** Overall colour pink or reddish with four oblique orange or yellow bars on the sides; the dorsal and caudal fins yellow.

Dorsal fin with 10 spines and 10–11 soft rays



**Size:** To 50 cm, common 35 cm

**CAESIONIDAE**

Fusiliers

***Caesio caeruleaurea* Lacepède, 1801**

**(Plate X, 93)** **FAO names:** Blue and gold fusilier (En)  
Caesio azuror (Fr)

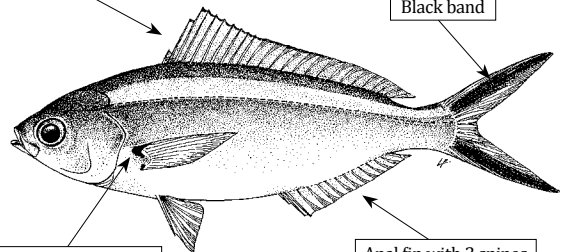
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).  
**Habitat:** Schooling in mid-water in deep lagoons and along seaward coral reefs.  
**Fisheries:** Seines, Gillnets, Traps, Handlines, Bottom trawls.  
**Distinctive Characters:** Mouth protrusible; eye moderately large; dorsal and anal fins almost completely scaled.  
**Colour:** Upper body bluish, lower body white to pale bluish; golden band from above the eye, running straight along the body to upper caudal peduncle and continuing on the caudal fin to the tip of the upper lobe, becoming near black on the fin.

Dorsal fin with 10 spines and 14–16 soft rays

Black band

A black blotch at upper base of pectoral fin

Anal fin with 3 spines and 12–13 soft rays



**Size:** To 35 cm

***Caesio lunaris* Cuvier, 1830**

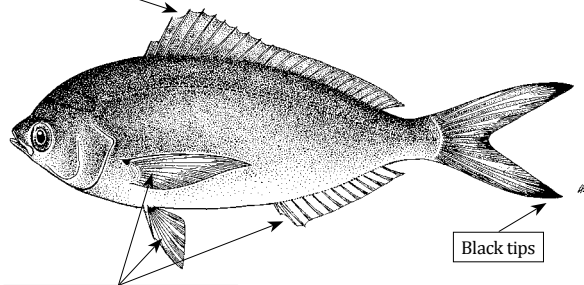
**(Plate X, 94)** **FAO names:** Lunar fusilier (En)  
Caesio à croissant (Fr)

**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).  
**Habitat:** Coastal areas, on or near coral reefs.  
**Fisheries:** Traps, Seines.  
**Distinctive Characters:** Mouth protrusible; eye moderately large; anal fin with 3 spines and 10–11 soft rays; basal portion of dorsal and anal fins scaled.  
**Colour:** Mostly bright blue except on ventral portion of body; caudal fin blue (yellow in juveniles) with black tips on lobes.

Dorsal fin with 10 spines and 13–14 soft rays

Black tips

Anal, pelvic and pectoral fins pink or reddish after death



**Size:** To 40 cm

***Caesio teres* Seale, 1906****(Plate XI, 95)**

**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Coral reefs and coral lagoons.

**Fisheries:** Gillnets, Handlines, Traps.

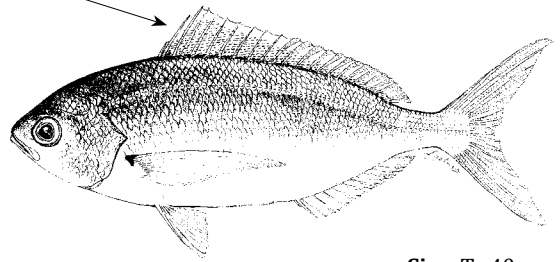
**Distinctive Characters:** Mouth protrusible; eye rather large; anal fin with 3 spines and 12 rays.

**Colour:** Bright yellow on caudal fin, caudal peduncle, and body above an oblique demarcation from dorsal-fin origin to ventral origin of caudal peduncle; head and remainder of body bright blue, shading ventrally to silvery white.

**FAO names:** Yellow and blueback fusilier (En)

Fusilier à dos jaune et bleu (Fr)

Dorsal fin with 10 spines  
and 14–16 soft rays



**Size:** To 40 cm

***Caesio varilineata* Carpenter, 1987****(Plate XI, 96)**

**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Schooling in mid-water in deep lagoons and along seaward coral reefs from 1 m to 25 m.

**Fisheries:** Gillnets, Handlines, Traps.

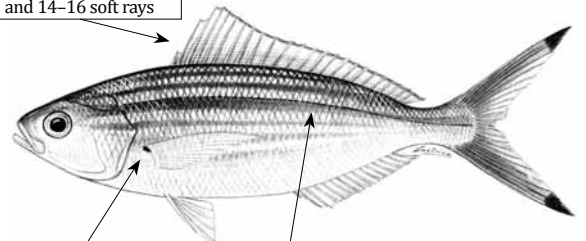
**Distinctive Characters:** Mouth protrusible; anal fin with 3 spines and 11–13 soft rays; pectoral fins with 20–23 rays.

**Colour:** Upper body blue, lower body white to pale bluish; caudal fin with an indistinct bluish or dark streak within each lobe and tips with a large black blotch; pectoral, pelvic and anal fins white.

**FAO names:** Variable-lined fusilier (En)

Fusilier à bandes variées (Fr)

Dorsal fin with 10 spines  
and 14–16 soft rays



Axil of pectoral  
fin black

3–6 yellow longitudinal  
stripes on side, 2–3 of them  
above lateral line

**Size:** To 40 cm

***Caesio xanthonota* Bleeker, 1853****(Plate XI, 97)**

**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Schooling in mid-water in deep lagoons and seaward coral reefs.

**Fisheries:** Gillnets, Handlines, Traps, Seines, Trawls.

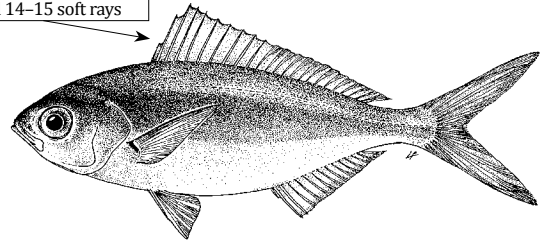
**Distinctive Characters:** Mouth protrusible; eyes moderately large; anal fin with 3 spines and 11–12 soft rays.

**Colour:** Generally sky blue on sides, grading to whitish (pink after death) on ventral region; caudal fin without black tips or dark streaks on lobes.

**FAO names:** Yellowback fusilier (En)

Fusilier à dos jaune (Fr)

Dorsal fin with 10 spines  
and 14–15 soft rays



Most of back, upper part of head,  
dorsal fin and caudal fin, yellow

**Size:** To 40 cm

***Dipterygonotus balteatus* (Valenciennes, 1830)\***

**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Primarily a near-shore pelagic species swimming mainly in open water away from reefs.

**Fisheries:** Traps, Handlines, Purse seines.

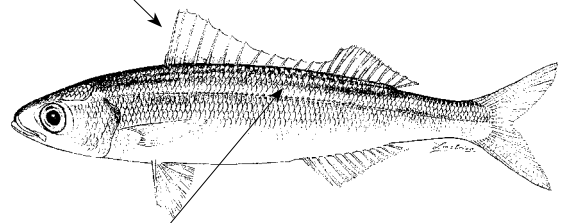
**Distinctive Characters:** Mouth protrusible; body very slender; anal fin with 3 spines and 9–10 soft rays; pectoral fins with 16–19 rays; dorsal and anal fins without scales.

**Colour:** Upper body brownish bronze; lower body silvery white; dorsal, anal, pelvic and pectoral fins clear to pinkish; axil of pectoral fins black.

**FAO names:** Mottled fusilier (En)

Fusilier marbré (Fr)

Dorsal fin with 12–15  
spines and 8–11 soft rays



A thin straight tan stripe  
from orbit to caudal fin

**Size:** To 14 cm

***Gymnocaesio gymnoptera* (Bleeker, 1856)**

(Plate XI, 98)

**FAO names:** Slender fusilier (En)  
Fusilier élégant (Fr)

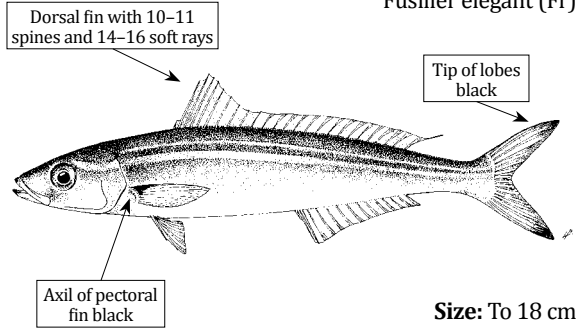
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Coastal areas near coral reefs down to 25 m.

**Fisheries:** Traps, Seines, Gillnets.

**Distinctive Characters:** Mouth protrusible; anal fin with 3 spines and 11–13 rays; dorsal and anal fins without scales.

**Colour:** Upper body bluish green; a single yellow or brown stripe running dorsal to lateral line on caudal peduncle; often a bright blue longitudinal band directly below the lateral line.



***Pterocaesio capricornis* Smith & Smith, 1963**

**FAO names:** Capricorn fusilier (En)  
Fusilier capricorne (Fr)

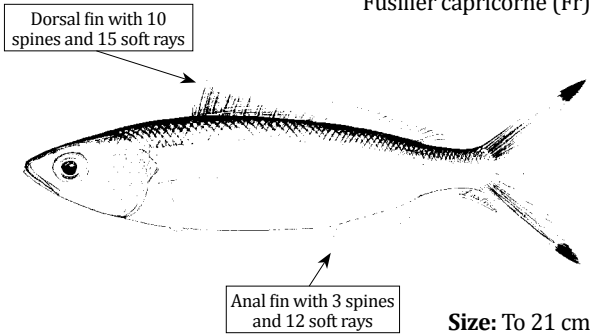
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Coastal areas, around coral reefs down to 20 m.

**Fisheries:** Seines, Gillnets, Traps.

**Distinctive Characters:** Two post maxillary processes; posterior end of maxilla tapered; dorsal and anal fins scaled; 11 upper peduncular scale rows; 15 lower peduncular scale rows.

**Colour:** Upper body with a chequered, bronzy green yellow and blue appearance.



***Pterocaesio chrysozona* (Cuvier, 1830)**

(Plate XI, 99)

**FAO names:** Goldband fusilier (En)  
Caesio à ceinture d'or (Fr)

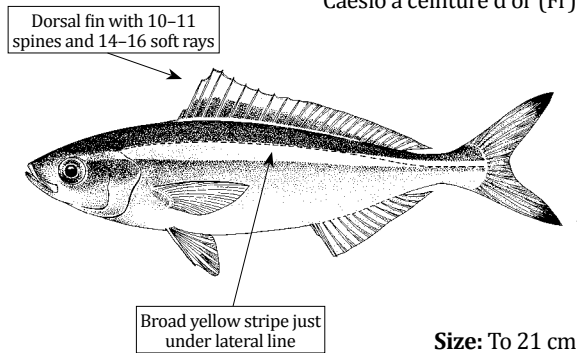
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Ranges widely around coral reefs; found in schools.

**Fisheries:** Seines, Gillnets, Traps.

**Distinctive Characters:** Anal fin with 3 spines and 11–13 soft rays; dorsal and anal fins scaled; 11–13 upper peduncular scale rows (usually 11); 14–17 lower peduncular scale rows (usually 15); posterior end of maxilla tapered.

**Colour:** Body light blue to brownish dorsally, white to pinkish ventrally.



***Pterocaesio digramma* (Bleeker, 1864)**

**FAO names:** Double-lined fusilier (En)  
Fusilier à deux bandes jaunes (Fr)

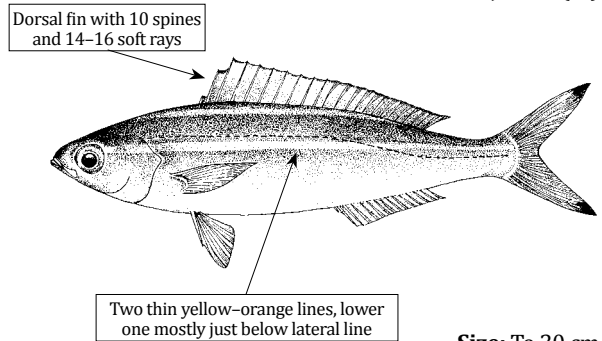
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Coastal areas, primarily around coral reefs.

**Fisheries:** Seines, Gillnets, Traps.

**Distinctive Characters:** Anal fin with 3 spines and 11–12 soft rays; dorsal and anal fins scaled; 11–14 upper peduncular scale rows (usually 12 or 13); 16–18 lower peduncular scale rows (usually 16 or 17).

**Colour:** Body blue to greenish dorsally, white ventrally; black tips on caudal fin.



***Pterocaesio marri*** Schultz, 1953

(Plate XI, 100)

**FAO names:** Marr's fusilier (En)  
Fusilier de Marr (Fr)

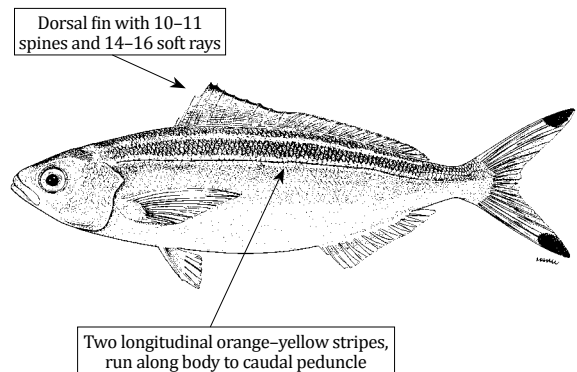
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Schools in clear lagoons and seaward reefs.

**Fisheries:** Seines Gillnets Traps.

**Distinctive Characters:** Mouth protrusible; anal fin with 3 spines and 11–13 soft rays; pectoral fins with 22–24 rays; dorsal and anal fins scaled.

**Colour:** Body blue to greenish dorsally, white ventrally; fins white to pinkish; dorsal fin slightly dusky distally; axil of pectoral fins and tips of caudal lobes black.



**Size:** To 35 cm

***Pterocaesio pisang*** (Bleeker, 1853)

(Plate XI, 101)

**FAO names:** Banana fusilier (En)  
Fusilier banane (Fr)

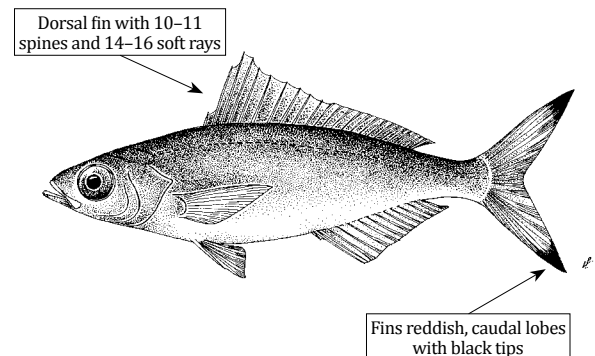
**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

**Habitat:** Schooling in mid-water in deep lagoons and along seaward reefs.

**Fisheries:** Gillnets, Traps, Seines.

**Distinctive Characters:** Mouth protrusible; eye moderately large, diameter of orbit greater than snout length; anal fin with 3 spines and 12 soft rays; usually 11 (10–12) upper peduncular scale rows; usually 15 (13–17) lower peduncular scale rows; base portion of dorsal and anal fins scaled.

**Colour:** Generally pink or reddish, grading to whitish on ventral region.



**Size:** To 21 cm

***Pterocaesio tile*** (Cuvier, 1830)

(Plate XI, 102)

**FAO names:** Dark-banded fusilier (En)  
Fusilier à ligne olive (Fr)

**Local name(s):** N: Kirongwe; S: Mweru (M), Numbi, Unwa (K).

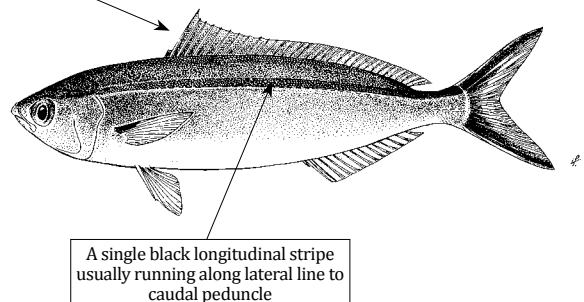
**Habitat:** Schooling in mid water in deep lagoons and along seaward reefs.

**Fisheries:** Traps, Seines, Gillnets, Handlines.

**Distinctive Characters:** Mouth protrusible; anal fin with 3 spines and 13 soft rays; pectoral fins with 22–24 (most frequently 23) rays; usually 11 or 12 upper peduncular scale rows; 15 or 16 lower peduncular scale rows.

**Colour:** Upper body light bluish-green, lower part whitish to pink; pectoral, pelvic and anal fins white to pinkish; dorsal fin light bluish-green; caudal fin with a black streak within each lobe, the upper streak continuous with the lateral stripe.

Dorsal fin with 11–12 (rarely 10) spines and 19–22 soft rays



**Size:** To 25 cm



**LOBOTIDAE**

## Tripletails

***Lobotes surinamensis*** (Bloch, 1790)

**FAO names:** Tripletail (En)  
Croupia roche (Fr)

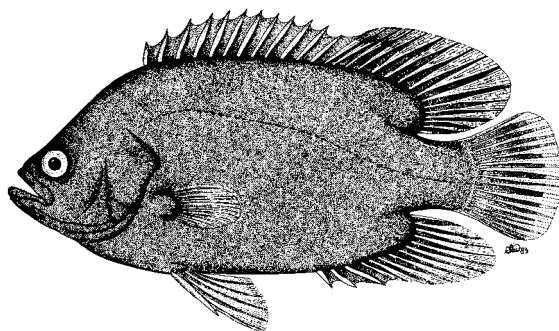
**Local name(s):** N: Pawizi; S: Pawizi (M).

**Habitat:** Coastal waters and muddy estuaries.

**Fisheries:** Seines, Gillnets, Traps, Hooks and Line, Bottom trawls.

**Distinctive Characters:** Eye small; soft dorsal and anal fins large and broadly rounded reaching past base of caudal fin; dorsal fin with 11–12 strong spines and 15–16 soft rays; anal fin with 3 spines and 11–12 soft rays; caudal fin rounded, the fish appears to have 3 tails.

**Colour:** Adults dark brown or greenish–yellow above, silvery–grey below; pectorals pale yellow, other fins darker than body; caudal fin with yellow margin.



**Size:** To 110 cm, common 70 cm

**GERREIDAE**

## Silverbiddies – Mojarras

***Gerres filamentosus*** Cuvier, 1829

**FAO names:** Whipfin silver–biddy (En)

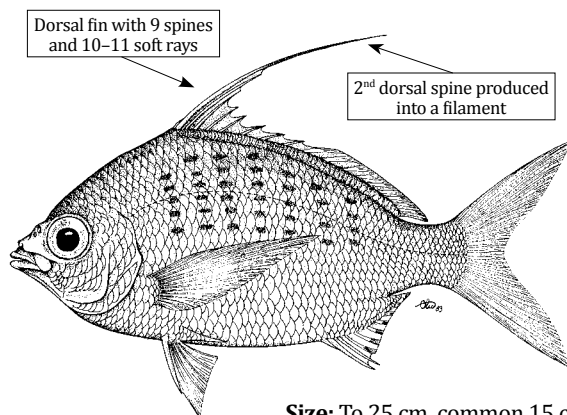
**Local name(s):** N: Tae; S: Chaa (M), Tsaa (K).

**Habitat:** Shallow coastal waters down to 50 m.

**Fisheries:** Seines, Handlines Traps, Bottom trawls.

**Distinctive Characters:** Pectoral fins long, reaching to level of origin of 1<sup>st</sup> anal spine; 2<sup>nd</sup> anal-fin spine much short; caudal fin deeply forked.

**Colour:** Silvery, with 7–10 columns of ovoid spots on upper portion of sides, coalescing as bars in small specimens; pectoral, pelvic, caudal and anal fins dusky hyaline; tips of pelvic, anal and caudal lobes, white; dorsal fin hyaline except for the end of filamentous spine, which is black.



**Size:** To 25 cm, common 15 cm

***Gerres longirostris*** (Lacepède, 1801)

**FAO names:** Strongspine silver–biddy (En)  
Blanche gubernail (Fr)

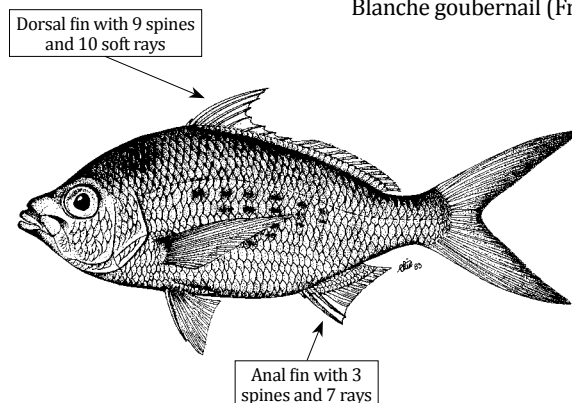
**Local name(s):** N: Tae; S: Chaa (M), Tsaa (K).

**Habitat:** Common in shallow waters over sandy bottoms, coral reefs and brackish lagoons.

**Fisheries:** Seines, Handlines, Traps, Bottom trawls.

**Distinctive Characters:** Body slender; 2<sup>nd</sup> anal spine fairly strong and long; caudal fin deeply forked and very long.

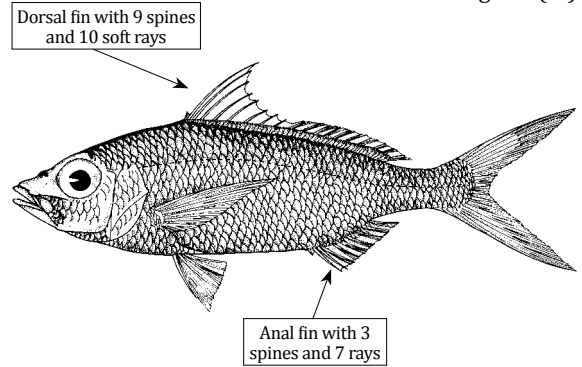
**Colour:** Olive green above to silver below; young with 7–8 dusky bars on sides of body; trailing margin of caudal fin broadly edged in black.



**Size:** To 37 cm

***Gerres oblongus* Cuvier, 1830****Local name(s):** N: Tae; S: Chaa (M), Tsaa (K).**Habitat:** Occurs in coral areas.**Fisheries:** Gillnets, Bottom seines, Traps.**Distinctive Characters:** Fin spines weak; 2<sup>nd</sup> anal spine very short; pectoral fins increasing in length with age, reaching to level of anus in small specimens and almost to level of 1<sup>st</sup> anal spine in adult specimens; caudal fin very deeply forked.**Colour:** Silvery; lilac-brown dorsally; 4-9 slightly oblique dusky bands or columns of ovoid dark spots (rarely brownish) immediately below lateral line, but more obvious in preserved or stressed live specimens; dorsal fin with a dusky tip; other fins pale.**FAO names:** Slender silver-biddy (En)

Blanche élégante (Fr)

**Size:** To 30 cm, common 15 cm***Gerres oyena* (Forsskål, 1775)****Local name(s):** N: Tae; S: Chaa (M), Tsaa (K).**Habitat:** Along sandy beaches but also enters estuaries and brackish lagoons.**Fisheries:** Bottom trawls, Seines.**Distinctive Characters:** Body very slender; pectoral fins reaching to just above anus; 2<sup>nd</sup> anal spine slender and short; caudal fin deeply forked.**Colour:** Pale olive above to silvery below; 7-8 faint dusky bars on sides of body, more pronounced in young; prominent black tip of dorsal fin; caudal fin uniformly dusky.**FAO names:** Common silver-biddy (En)

Blanche commune (Fr)

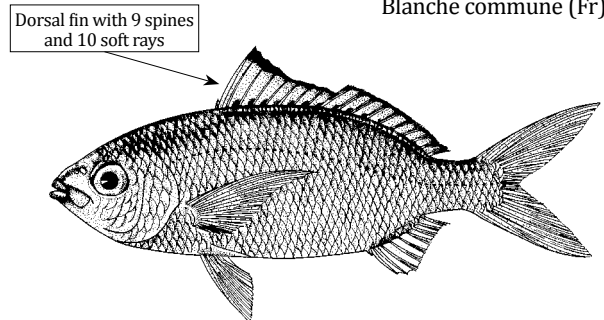
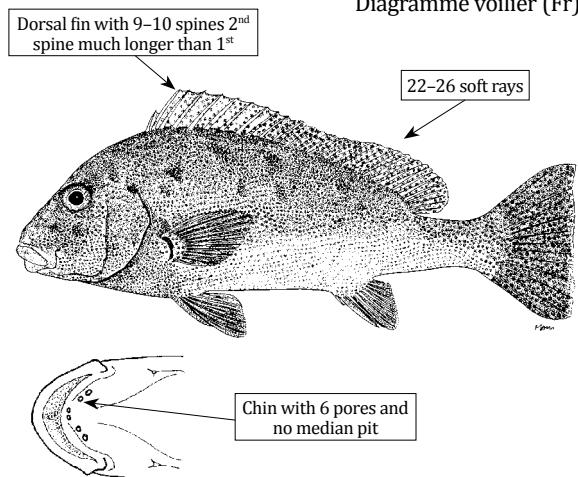
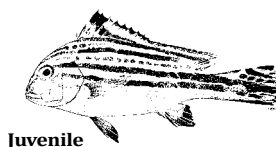
**Size:** To 30 cm**HAEMULIDAE****Grunts - Sweetlips - Rubberlips - Hotlips*****Diagramma pictum* (Thunberg, 1792)****(Plate XI, 103)****FAO names:** Painted sweetlips (En)

Diagramme voilier (Fr)

**Local name(s):** N: Gundi; S: Fute mwewe (M), Futa/Mninga (K).**Habitat:** Coastal areas around coral reefs. Maximum depth 80 m.**Fisheries:** Longlines, Handlines, Traps, Bottom trawls, Spears.**Distinctive Characters:** Mouth small; anal fin with 3 spines and 7 soft rays; pectoral fins with 16-18 rays; caudal peduncle slender and long; scales small, ctenoid.**Colour:** Longitudinal black bands on juveniles; spots in adults; in large individuals the spots become small or indistinct; sometimes faint yellow spots on head and body.**Underside of head****Size:** To 100 cm, common 55 cm**Juvenile**

***Plectorhinchus chubbi*** (Regan, 1919)

(Plate XI, 104)

FAO names: Dusky rubberlip (En)  
Diagramme sombre (Fr)

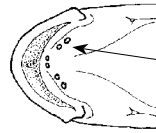
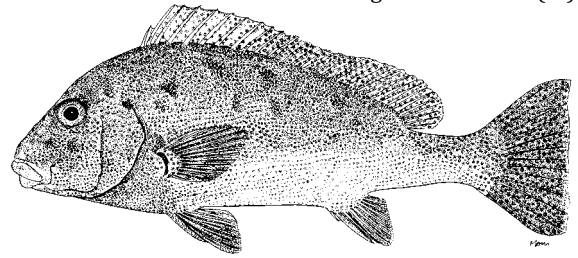
**Local name(s):** N: Mlinga; S: Kumbi maji (M), Futa (K).

**Habitat:** Coastal waters near reefs.

**Fisheries:** Traps, Gillnets, Spears.

**Distinctive Characters:** Lips thick, greatly swollen with age; dorsal fin with 11–12 spines and 16–17 soft rays; anal fin with 3 spines and 7–8 soft rays; 35 to 40 gill rakers on 1<sup>st</sup> arch (13 or 16 on upper limb, 1 at corner and 21 to 23 on lower limb); lateral line with 60 tubed ctenoid (rough) scales.

**Colour:** Uniformly grey or grey-bronze with small white spots on body; underside may be paler; fins dark brown; chin pink; juveniles, dusky olive to greyish.



Chin with 6 pores and no median pit

Underside of head

Size: To 75 cm

***Plectorhinchus flavomaculatus*** (Cuvier, 1830)

(Plate XII, 105)

FAO names: Lemonfish (En)

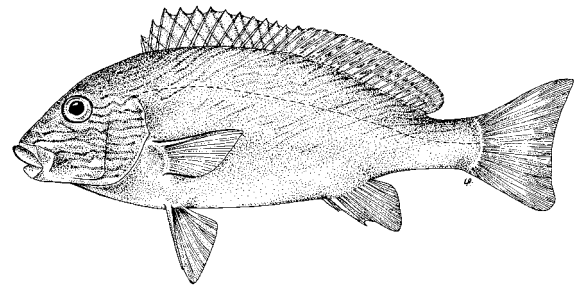
**Local name(s):** N: Fute; S: Fute (M), Futa (K).

**Habitat:** Coastal waters near reefs and weedy areas.

**Fisheries:** Handlines, Gillnets, Bottom trawls, Spears.

**Distinctive Characters:** Lips fleshy, moderately thickened with age; chin with 6 pores but no median pit; dorsal fin with 12–13 spines and 19–22 soft rays; scales ctenoid (rough).

**Colour:** Body bluish-grey; juveniles with golden or rusty-orange stripes along the body that breaks into a reticulate pattern and later forms small spots that may be lost with age or remain as lines of spots on head.



Juvenile

Size: To 60 cm

***Plectorhinchus gaterinus*** (Forsskål, 1775)

(Plate XII, 106)

FAO names: Blackspotted rubberlip (En)  
Diagramme moucheté (Fr)

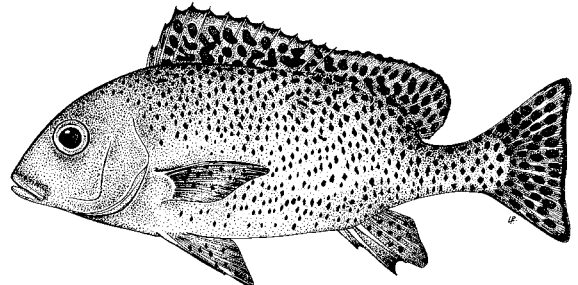
**Local name(s):** N: Fute nyea; S: Fute mlea (M), Futa (K).

**Habitat:** Coastal water reefs, sand banks and near estuaries.

**Fisheries:** Handlines, Gillnets, Bottom trawls.

**Distinctive Characters:** Lips fleshy but not swollen; mouth red inside; dorsal fin with 13 spines and 19–20 soft rays; pelvic fins longer than pectoral fins; scales ctenoid (rough).

**Colour:** Adults yellowish-grey, back greenish and belly yellowish, with rows of dark grey or black-brown spots on body and fins; juveniles pale silver grey with yellow fins and 5–7 brown longitudinal bands which break into line of spots at 10–12 cm (SL); dorsal fin whitish with large dark basal bands.

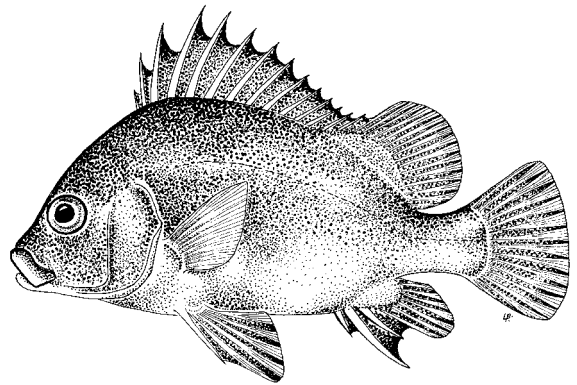


Juvenile

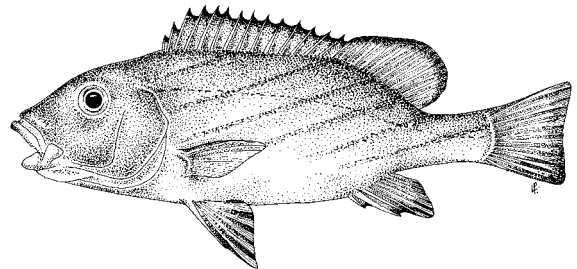
Size: To 50 cm

***Plectorhinchus gibbosus*** (Lacepède, 1802)

(Plate XII, 107)

FAO names: Harry hotlips (En)  
Diagramme noir (Fr)**Local name(s):** N: Fute dukwa; S: Fute kinauchi (M), Futa (K).**Habitat:** Coastal waters on reefs, sand banks and near estuaries.**Fisheries:** Handlines, Gillnets, Traps, Spears.**Distinctive Characters:** Lips fleshy, greatly swollen with age; chin with 6 pores but no median pit; dorsal fin with 14 spines (4<sup>th</sup> or 5<sup>th</sup> the longest) and 15–16 soft rays; anal fin with 3 spines and 7 soft rays; pectoral fins with 17 rays; in juveniles, spiny portion of dorsal fin twice as high as soft portions, becoming about equal in height in large adults.**Colour:** Uniformly dark grey to brownish or blackish; large specimens are sometimes mottled with light brown.

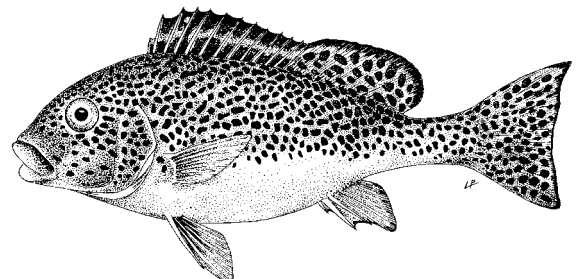
Size: To 75 cm

***Plectorhinchus paulayi*** Steindachner, 1895FAO names: Zebra sweetlip (En)  
Diagramme zébré (Fr)**Local name(s):** N: Fute dukwa; S: Fute (M), Futa (K).**Habitat:** Shallow inshore waters; also seaward reef slopes.**Fisheries:** Handlines.**Distinctive Characters:** Lips fleshy but not swollen; chin with 6 pores but no median pit; dorsal fin with 14 spines and 16 soft rays; 20 to 23 gill rakers on 1<sup>st</sup> arch (6 to 8 on upper limb, 1 at corner and 13–14 on lower limb); lateral line with 54 or 55 tubed scales; scales ctenoid.**Colour:** Silvery-grey with 6 straight oblique narrow dark (rarely paler) lines, running upwards and backwards; dark spots and streaks on side of head; chin pale; margins of dorsal fin, tips of anal and pelvic fins black.

Size: To 45 cm

***Plectorhinchus picus*** (Cuvier, 1828)

FAO names: Painted sweetlip (En)

**Local name(s):** N: Fute dukwa; S: Fute (M), Futa (K).**Habitat:** A solitary species found in lagoon and seaward reefs; adults usually under coral heads or in caves, while juveniles in shallow lagoons.**Fisheries:** Handlines.**Distinctive Characters:** Dorsal fin with 12–14 spines and 17–20 soft rays; anal fin with 3 spines and 7–8 soft rays.**Colour:** Juveniles under 25 cm black with a few large white blotches; adults white with numerous small dark spots; changes from bold black and white pattern to a whitish grey with numerous small black spots over most of the upper body and fins.

Size: To 84 cm

***Plectorhinchus plagiodesmus*** Fowler, 1935

**FAO names:** Barred rubberlip (En)  
Diagramme rayé (Fr)

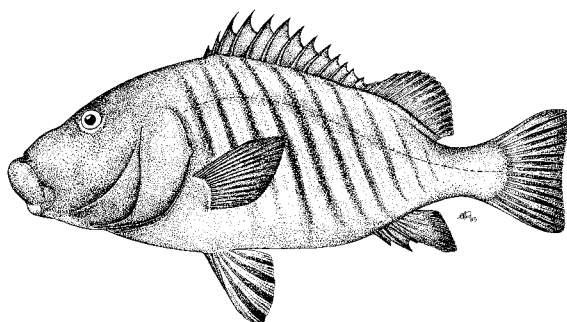
**Local name(s):** N: Fute dukwa; S: Fute (M), Futa (K).

**Habitat:** Inhabits coral reefs, often seen in pairs.

**Fisheries:** Handlines, Spears.

**Distinctive Characters:** Lips fleshy greatly swollen with age; chin with 6 pores but no median pit; dorsal fin with 14 spines and 15–16 soft rays; 27 to 32 gill rakers on 1<sup>st</sup> arch (8 to 10 on upper limb, 1 at corner and 18–21 on lower limb); lateral line with 48 tubed scales; scales ctenoid.

**Colour:** Body dark grey to bronze with alternate orange and blackish stripes running downwards and backwards, becoming faint or absent with age; juveniles dark, with caudal fin and edges of soft dorsal and anal fins pale.



**Size:** To 90 cm

***Plectorhinchus playfairi*** (Pellegrin, 1914)

**(Plate XII, 108)** **FAO names:** Whitebarred rubberlip (En)  
Diagramme rayons de soleil (Fr)

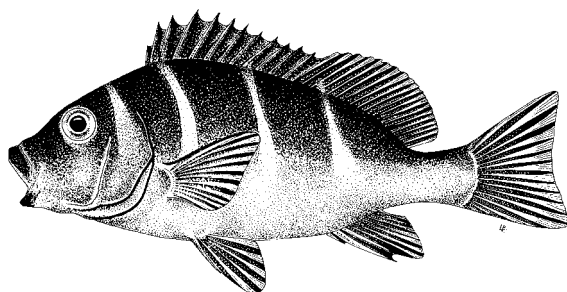
**Local name(s):** N: Fute pundamliia; S: Fute (M), Futa (K).

**Habitat:** Coastal reefs down to 80 m.

**Fisheries:** Bottom trawls, Bottom longlines, Handlines, Gillnets, Traps.

**Distinctive Characters:** Lips fleshy, swollen with age; chin with 6 pores but no median pit; dorsal fin with 12 spines and 19–20 soft rays; 32 to 34 gill rakers on 1<sup>st</sup> arch (11 on upper limb, 1 at corner and 20–22 on lower limb); lateral line with about 58 to 60 tubed scales; scales ctenoid.

**Colour:** Grey to black with narrow white cross bars; lips, mouth and base of pectoral fins pink; tips of dorsal–fin spines and edge of opercle red to scarlet.



**Size:** To 90 cm

***Plectorhinchus schotaf*** (Forsskål, 1775)

**(Plate XII, 109)** **FAO names:** Minstrel sweetlips (En)  
Diagramme ménestrel (Fr)

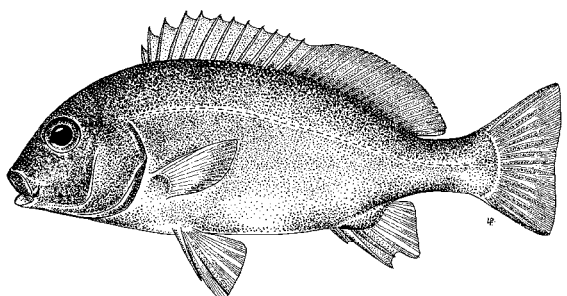
**Local name(s):** N: Fute mwana kili; S: Fute ninga (M), Futa (K).

**Habitat:** Inhabits coastal waters near reefs.

**Fisheries:** Handlines, Spears.

**Distinctive Characters:** Lips fleshy, moderately swollen with age; dorsal fin with 12 spines and 18–20 soft rays; base of soft part of dorsal fin distinctly longer than head; 26 to 29 gill rakers on 1<sup>st</sup> arch (10 to 12 on upper limb, 1 at corner and 15–16 on lower limb); lateral line with about 55 tubed scales; scales ctenoid.

**Colour:** Dusky grey to brownish grey; posterior edge of preopercle and opercle with a red line; lips and mouth scarlet; juveniles sometimes with narrow faint blue lines on body and below eye.



**Size:** To 80 cm, common 60 cm

***Plectorhinchus sordidus*** (Klunzinger, 1870)

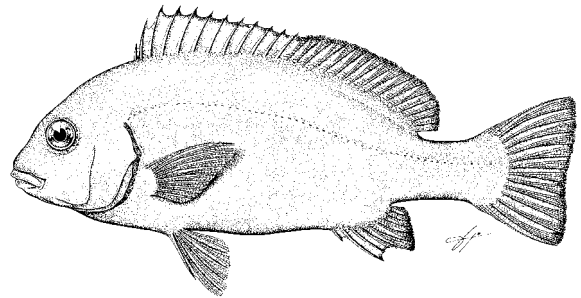
**Local name(s):** N: Fute; S: Fute (M), Futa (K).

**Habitat:** Rocks and corals, as well as shallow weedy areas.

**Fisheries:** Handlines, Spears, Bottom trawls.

**Distinctive Characters:** Lips fleshy, swollen with age; chin with 6 pores but no median pit; dorsal fin with 12 spines and 17–18 soft rays; base of soft part of dorsal fin about equal to head length; 24 to 26 gill rakers on 1<sup>st</sup> arch (9 or 10 on upper limb, 1 at corner and 14–15 on lower limb); lateral line with about 50 tubed scales; scales ctenoid (rough).

**Colour:** Blue grey to steel grey with areas of bronze; fins and head leaden grey; inside of mouth, edge of opercle and lips scarlet; edge of membrane at front of dorsal fin darker; juveniles colorful.



**Size:** To 30 cm

**FAO names:** Sordid rubberlip (En)

Diagramme à levres rouges (Fr)

***Plectorhinchus vittatus*** (Linnaeus, 1758)

**Local name(s):** N: Fute nyeya mweuzi; S: Fute (M), Futa (K).

**Habitat:** Coastal reefs and inshore rocky reefs.

**Fisheries:** Handlines, Spears, Bottom trawls.

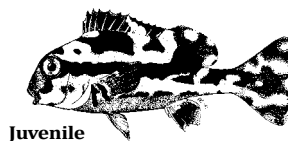
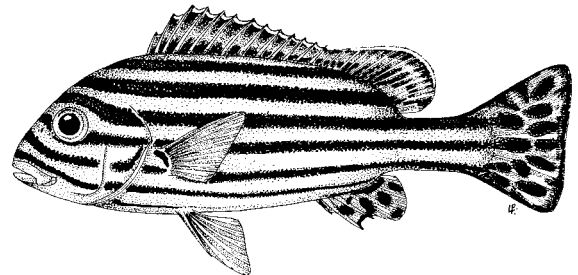
**Distinctive Characters:** Lips fleshy, moderately swollen with age; dorsal fin with 13 spines and 17–20 soft rays; 3<sup>rd</sup> or 4<sup>th</sup> dorsal spine longest; scales ctenoid (rough).

**Colour:** Varies greatly with age; juveniles with connected black blotches and spots that gradually break up in adults into horizontal bands which unite at tip of snout; pectoral fins black in juveniles, becoming uniformly yellow in adults; tail spotted with age.

(Plate XII, 110)

**FAO names:** Indian Ocean oriental sweetlips (En)

Diagramme oriental (Fr)



Juvenile

**Size:** To 70 cm

***Pomadasys argenteus*** (Forsskål, 1775)

**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

**Habitat:** Shallow coastal waters.

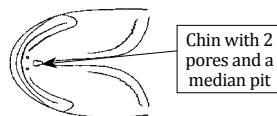
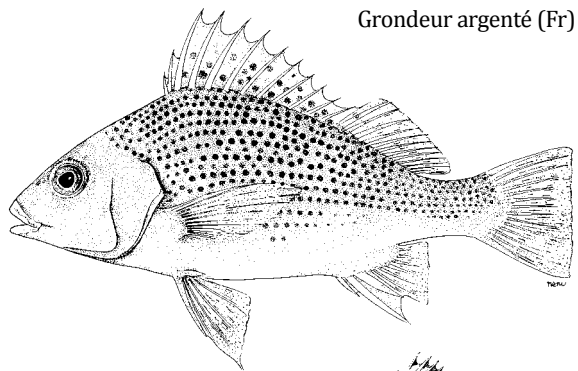
**Fisheries:** Bottom trawls, Traps, Gillnets, Bottom longlines.

**Distinctive Characters:** Body ovate; head profile almost straight; mouth small; lips not thickened; dorsal fin with 12 spines and 14 soft rays; anal fin with 3 spines and 7 soft rays; 5 scale rows between lateral line and dorsal-fin origin; scales ctenoid (rough).

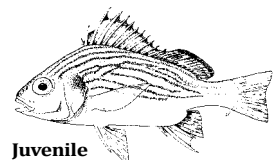
**Colour:** Juveniles pale brownish, lighter below; back with irregular longitudinal streaks; dorsal fin with dusky membrane; a dark spot on gill cover; adults silvery, with dark blotches on dorsal fin and numerous scattered dark brown to blackish spots on body.

**FAO names:** Silver grunt (En)

Grondeur argenté (Fr)



Underside of head



Juvenile

**Size:** To 52 cm

***Pomadasys commersonnii*** (Lacepède, 1801)

**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

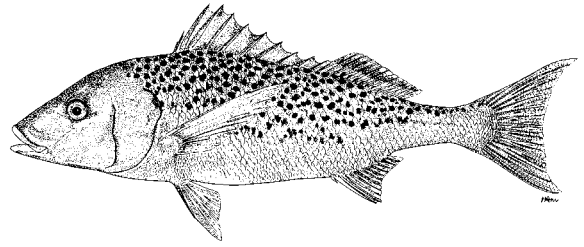
**Habitat:** Inhabits coastal waters, sheltered estuaries and tidal creeks.

**Fisheries:** Bottom trawls, Bottom longlines, Gillnets, Traps.

**Distinctive Characters:** Mouth small, lips fairly thick; two pores and a median pit on chin; dorsal fin with 10–11 spines and 14–15 soft rays; anal fin with 3 spines and 9–10 soft rays; scales ctenoid (rough).

**Colour:** Back grey or green shading to silvery white on belly; back and flanks with numerous small dark brown spots that extend onto dorsal fin but not on head; a dark spot at edge of opercle; pelvic and anal fins dark.

**FAO names:** Smallspotted grunter (En)



**Size:** To 60 cm, common 35 cm

***Pomadasys furcatus*** (Bloch & Schneider, 1801)

**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

**Habitat:** Inhabits coastal waters near reefs.

**Fisheries:** Handlines, Gillnets.

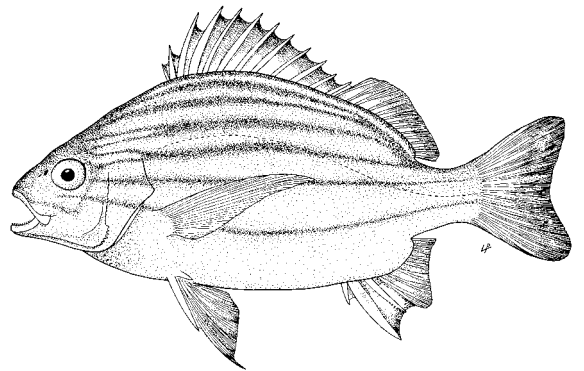
**Distinctive Characters:** Body elongate and compressed; head rounded its upper profile convex; mouth small; two pores and a median pit on chin; dorsal fin with 12 spines and 14–15 soft rays; anal fin with 3 spines and 7 soft rays; lateral line with 50 to 60 scales; 6 to 9 scale rows between lateral line and dorsal-fin origin.

**Colour:** Body purplish-brown above, paler below, with about 6 longitudinal dark stripes that may be bifurcate anteriorly.

(Plate XII, 111)

**FAO names:** Banded grunter (En)

Goret à six bandes (Fr)



**Size:** To 50 cm

***Pomadasys kaakan*** (Cuvier, 1830)

(Plate XII, 112)

**FAO names:** Javelin grunter (En)

Grondeur javelot (Fr)

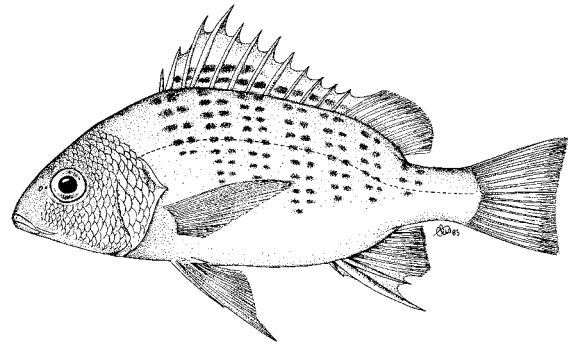
**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

**Habitat:** Inhabits coastal waters down to 60 m.

**Fisheries:** Bottom trawls, Bottom longlines, Gillnets, Traps.

**Distinctive Characters:** Mouth small, lips moderately thick; upper jaw reaching to level of anterior eye margin; two pores and a median pit on chin; dorsal fin with 12 spines and 13–15 soft rays; anal fin with 3 spines and 7–8 soft rays; scales moderate, ctenoid.

**Colour:** Body silvery grey, with about 7–11 interrupted double dark brown to greyish spots, forming transverse bars in juveniles but gradually becoming less distinct and disappearing completely with age; dorsal fin with 2–3 rows of brown spots; other fins yellow.



**Size:** To 80 cm, common 50 cm

***Pomadasys maculatus*** (Bloch, 1793) (Plate XIII, 113)

FAO names: Saddle grunt (En)

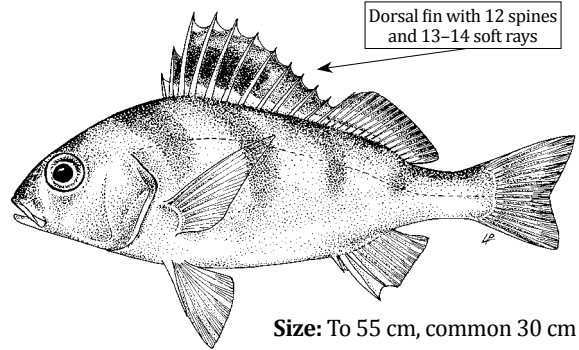
**Local name(s):** N: Tamamba; S: Pamamba, Sotaja (M), Paramamba (K).

**Habitat:** Inhabits coastal waters down to 40 m.

**Fisheries:** Bottom trawls, Lines, Gillnets, Traps.

**Distinctive Characters:** Mouth small, lips moderately thick; anal fin with 3 spines and 7 soft rays; scales ctenoid (rough).

**Colour:** Body silvery grey; head purplish; nape and back with a series of incomplete cross bars (the one on nape conspicuous); spiny part of dorsal fin with a large black blotch; fins yellowish.



Size: To 55 cm, common 30 cm

***Pomadasys multimaculatus*** (Playfair, 1867)

FAO names: Cock grunter (En)

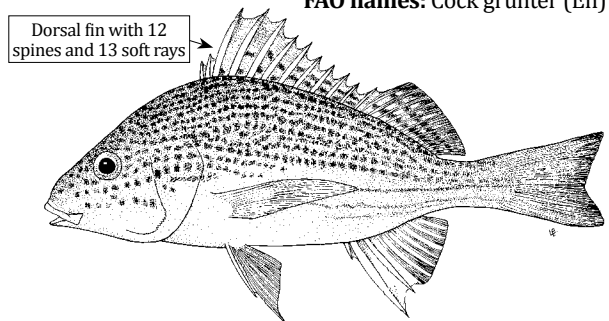
**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

**Habitat:** Coastal waters along sandy beaches and estuaries.

**Fisheries:** Bottom trawls, Seines, Spears, Gillnets.

**Distinctive Characters:** Mouth small; 2 pores and a median pit on chin; anal fin with 3 spines and 7 soft rays; scales ctenoid (rough).

**Colour:** Body and head with small dark brown spots; dorsal fin spotted like on body.



Size: To 76 cm, common 50 cm

***Pomadasys olivaceus*** (Day, 1875) (Plate XIII, 114)

FAO names: Olive grunt (En)

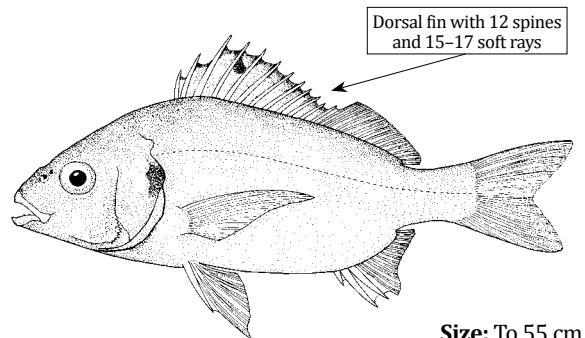
**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

**Habitat:** Inhabits coastal waters.

**Fisheries:** Bottom trawls, Bottom longlines, Handlines, Gillnets, Traps.

**Distinctive Characters:** Mouth small; 2 pores and a median pit on chin; anal fin with 3 spines and 11-13 soft rays; scales ctenoid (rough).

**Colour:** Body and head olive-grey, sometimes tinged with purple; a large blotch, bordered by yellow anteriorly at upper angle of gill cover; dorsal fin with fine brown dots.



Size: To 55 cm

***Pomadasys stridens*** (Forsskål, 1775)

FAO names: Striped piggy (En)

Goret à trois bandes (Fr)

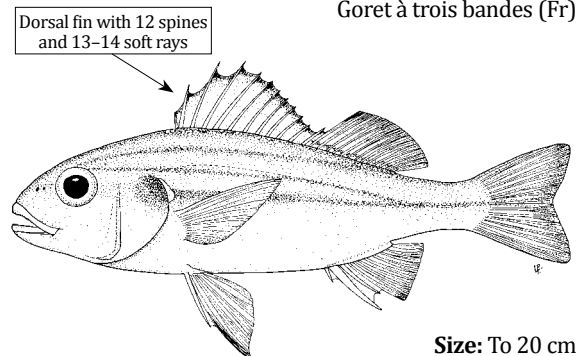
**Local name(s):** N: Tamamba; S: Pamamba (M), Paramamba (K).

**Habitat:** Inhabits coastal waters.

**Fisheries:** Handlines, Longlines, Bottom trawls.

**Distinctive Characters:** Mouth small; anal fin with 3 spines and 7 soft rays; pectoral-fin tip when vented, equal or reaching past the pelvic-fin tip; 10 scales between lateral line and dorsal-fin origin; scales ctenoid (rough).

**Colour:** Body brown above, white below with three brown to golden stripes on body; a dark spot present on opercle.



Size: To 20 cm



**SPARIDAE**

Porgies – Seabreams

***Acanthopagrus berda*** (Forsskål, 1775)

(Plate XIII, 115)

**FAO names:** Goldsilk seabream (En)  
Pagre berda (Fr)

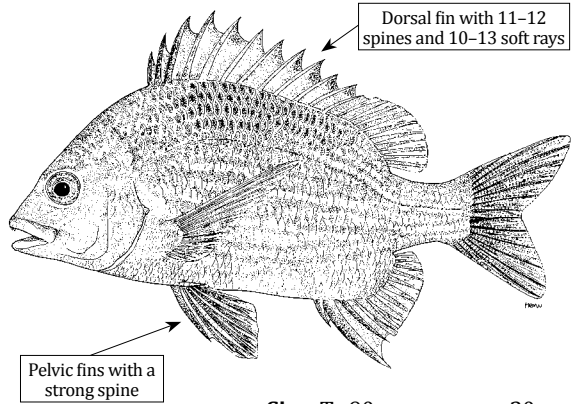
**Local name(s):** N: Tuku, Chuku; S: Chena (M), Njona (K).

**Habitat:** Demersal in coastal waters.

**Fisheries:** Bottom trawls, Handlines, Stake traps, Longlines.

**Distinctive Characters:** Ventral profile almost straight to anus; anal fin with 3 spines and 8–9 soft rays, 1<sup>st</sup> spine short, 2<sup>nd</sup> spine flattened laterally, longer and stronger than 3<sup>rd</sup>; caudal fin moderately forked.

**Colour:** Grey, dark silver or olive–brown with silvery or brassy reflections; upper part of body and scale bases, darkest; lower part of head and body paler; a dark edge along opercle; spiny dorsal fin with a dark edge and spines often silvery; pectoral fins dusky.



**Size:** To 90 cm, common 30 cm

***Acanthopagrus bifasciatus*** (Forsskål, 1775)

(Plate XIII, 116)

**FAO names:** Twobar seabream (En)  
Pagre double bande (Fr)

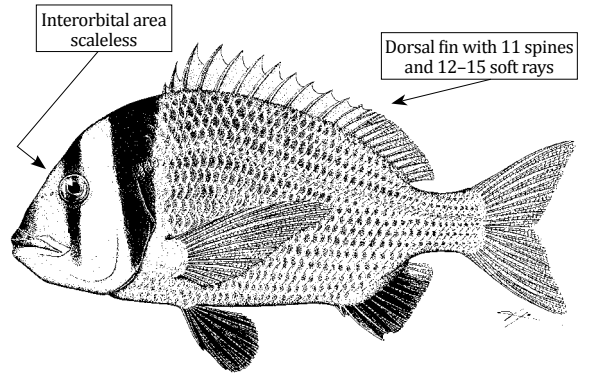
**Local name(s):** N: Tuku; S: Chena (M), Njona (K).

**Habitat:** Shallow coastal waters, mainly around coral reefs; enters estuaries and bays.

**Fisheries:** Bottom trawls, Handlines, Longlines, Stake traps.

**Distinctive Characters:** Anal fin with 3 spines and 10–12 soft rays, 1<sup>st</sup> spine short, 2<sup>nd</sup> the strongest and slightly longer than 3<sup>rd</sup>; caudal fin forked.

**Colour:** Body yellow above, silvery below, head silvery; 2 vertical black bars across head, the 1<sup>st</sup> ending below angle of jaw, the 2<sup>nd</sup> larger, from nape across opercle to its inferior edge; dorsal fin yellow; pectoral and caudal fins brightly yellow; pelvic and anal fins black.



**Size:** To 50 cm, common 35 cm

***Argyrops filamentosus*** (Valenciennes, 1830)

**FAO names:** Soldierbream (En)  
Spare soldat (Fr)

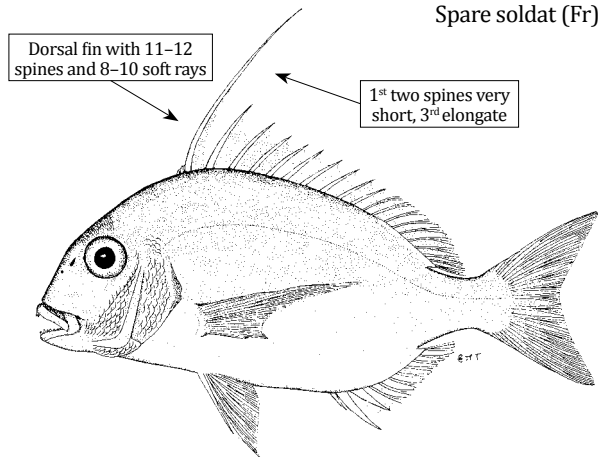
**Local name(s):** N: Tuku; S: Chena (M), Njona (K).

**Habitat:** Found on reefs.

**Fisheries:** Bottom trawls, Handlines, Longlines.

**Distinctive Characters:** Scaled area between eyes broad (occupying full width of interorbital space) U-shaped at end; anal fin with 3 spines and 8 soft rays, 2<sup>nd</sup> spine usually longer and stouter than 3<sup>rd</sup> spine; caudal fin deeply emarginate with pointed lobes.

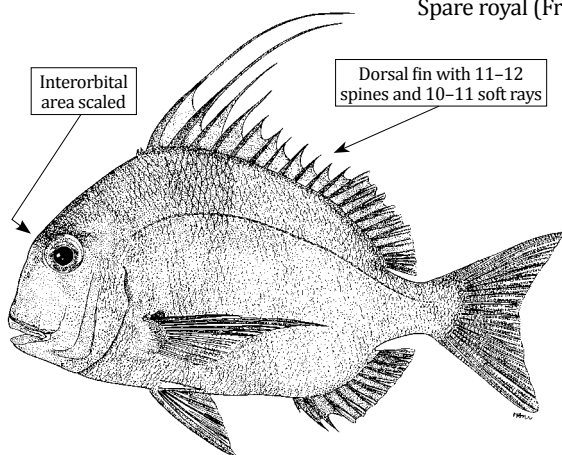
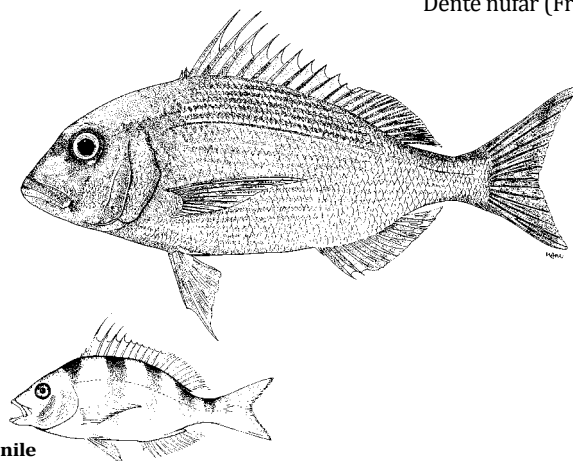
**Colour:** Pink with a bluish overlay; belly and chin silvery white; dorsal, caudal and pectoral fins pink; anal and pelvic fins pale pink; red spot on upper margin of opercle.



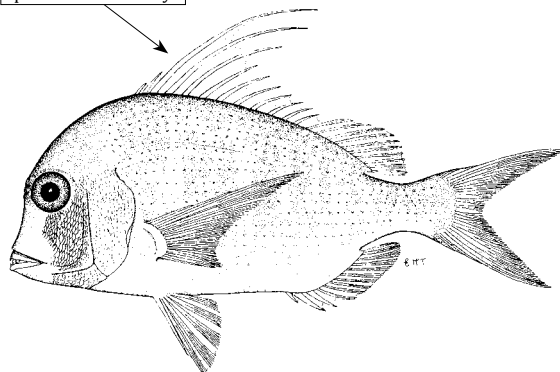
**Size:** To 70 cm, common 40 cm

***Argyrops spinifer*** (Forsskål, 1775)

(Plate XIII, 117)

FAO names: King soldier bream (En)  
Spare royal (Fr)**Local name(s):** N: Tuku; S: Chene zuki (M), Njona (K).**Habitat:** Bottom dwelling species, common from 5 m to 100 m.**Fisheries:** Bottom trawls, Longlines, Handlines, Stake traps.**Distinctive Characters:** Scaled area between eyes narrow, ending in a point; first 2 spines of dorsal fin very short, 3<sup>rd</sup> to 7<sup>th</sup> flattened and much elongated (in young reaching to a level of caudal fin, shorter in old fish); anal fin with 3 spines (2<sup>nd</sup> and 3<sup>rd</sup> sub-equal) and 8–10 soft rays; caudal fin deeply emarginate to forked with pointed lobes.**Colour:** Body mainly silvery-pinkish, darker on head; usually dark red on margin of upper part of opercle; all fins red; young fish with several vertical red bars on body.**Size:** To 70 cm, common 30 cm***Cheimerius nufar*** (Valenciennes, 1830)FAO names: Santer seabream (En)  
Denté nufar (Fr)**Local name(s):** N: Tuku; S: Chena (M), Njona (K).**Habitat:** Rocky bottoms from 60 m to 100 m.**Fisheries:** Longlines, Handlines, Bottom trawls.**Distinctive Characters:** Molars absent; dorsal fin single with 11–12 spines and 10–11 rays, the 1<sup>st</sup> two spines short, 3<sup>rd</sup> to 7<sup>th</sup> elongate (shorter in adults); anal fin with 3 spines and 8 rays; 1<sup>st</sup> pelvic ray elongate; caudal fin forked with pointed lobes.**Colour:** Rosy-pink above, silvery below (turns to purplish-pink after death); juveniles with 6 darker pink bars across head and pectoral fins rosy; anal and pelvic fins bluish with pink streaks in centre of rays.

Juvenile

**Size:** To 75 cm, common 30 cm***Chrysoblephus lophus*** (Fowler, 1925)FAO names: False red stumpnose (En)  
Spare à front rayé (Fr)**Local name(s):** N: Tuku; S: Chena kiziwa (M), Njona (K).**Habitat:** Muddy bottoms in shallow coastal waters, down to 50 m.**Fisheries:** Beach seines, Handlines, Stake traps, Gillnets.**Distinctive Characters:** Head profile very steep, concave from above upper lip to corrugated bony interorbital space which becomes more pitted between eyes with growth; scales on head extending to bony interorbital space above nostrils; cheek scales with a forward extension of smaller scales along suborbital space below eye.**Colour:** Red with lighter bars up from belly, becoming yellow above midline; red and yellow lines across bony interorbital.Dorsal fin with 12  
spines and 10 soft rays**Size:** To 50 cm, common 35 cm

***Crenidens crenidens*** (Forsskål, 1775)

(Plate XIII, 118)

**FAO names:** Karanteen seabream (En)  
Saupe de Mer Rouge (Fr)

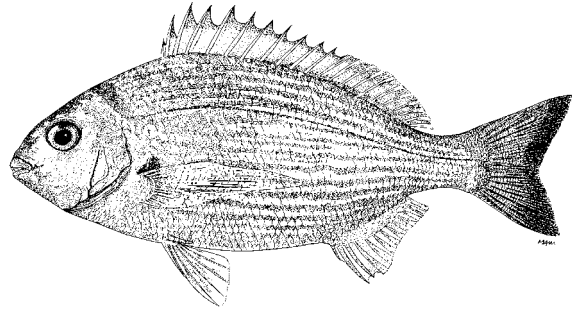
**Local name(s):** N: Tuku; S: Chena kiziwa (M), Njona (K).

**Habitat:** Muddy bottoms in shallow coastal waters.

**Fisheries:** Beach seines, Handlines, Stake traps, Gillnets.

**Distinctive Characters:** In each jaw, 2 series of incisors, the cutting edge of each with five points; molariform teeth absent; dorsal fin with 11 spines and 11 rays, 3<sup>rd</sup> and 4<sup>th</sup> spines the longest; anal fin with 3 spines and 10 rays, 2<sup>nd</sup> spine stouter than 3<sup>rd</sup>; caudal fin forked.

**Colour:** Silvery, greenish-blue or olive above; darker, narrow longitudinal stripes along scale rows from level of pectoral fins dorsally; fins dull yellowish or olive; dorsal fin darkened marginally; axil of pectoral fins sometimes darkish.



**Size:** To 30 cm, common 25 cm

***Polysteganus coeruleopunctatus*** (Klunzinger, 1870)

**FAO names:** Blueskin seabream (En)  
Denté à points bleus (Fr)

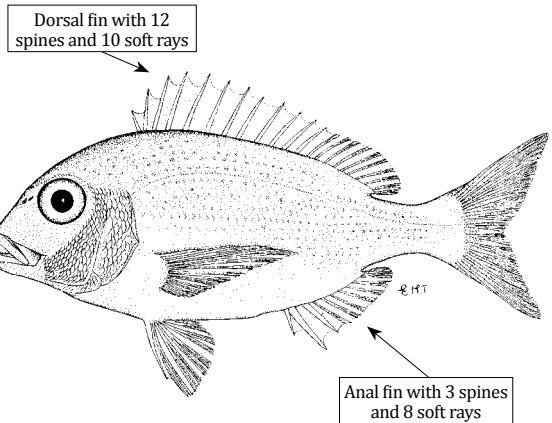
**Local name(s):** N: Tuku; S: Chena njona (K).

**Habitat:** Mainly in deep waters around reefs.

**Fisheries:** Longlines, Handlines, Bottom trawls.

**Distinctive Characters:** Mouth subterminal, large, the maxilla reaching to anterior eye margin; outer teeth canines not very strong, 4 in upper, 6 in lower jaw; molars absent; pectoral fins long, reaching to beyond anal spines; caudal fin forked.

**Colour:** Deep rosy-pink above, silvery below; a blue spot on each scale on dorsal half of body forming longitudinal lines of blue spots along scale rows; dorsal, anal, caudal and pectoral fins rosy pink; pelvic fins pink basally with distal 2/3 blue; eye deep ruby with silver reflections.



**Size:** To 60 cm, common 35 cm

***Rhabdosargus sarba*** (Forsskål, 1775)

**FAO names:** Goldlined seabream (En)  
Sargue doré (Fr)

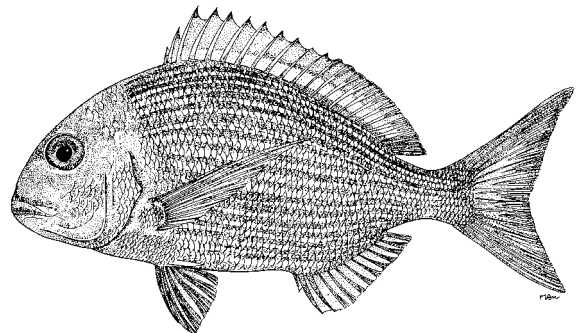
**Local name(s):** N: Tuku; S: Chena (M), Njona (K).

**Habitat:** Benthic in coastal waters, sometimes entering estuaries.

**Fisheries:** Bottom trawls, Gillnets, Longlines, Handlines, Stake traps.

**Distinctive Characters:** Dorsal fin single, with 11-12 slender spines and 13-15 soft rays, 3<sup>rd</sup> and 4<sup>th</sup> spines longest; anal fin with 3 spines and 11 soft rays, 2<sup>nd</sup> and 3<sup>rd</sup> spines sub equal; pectoral fins long; pelvic fins not reaching anus; caudal fin forked; 6 or 7 scale rows between lateral line and 4<sup>th</sup> dorsal spine.

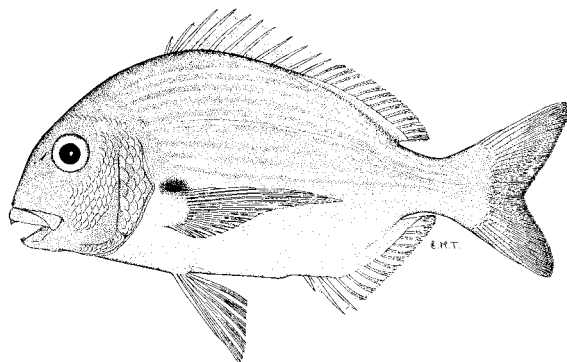
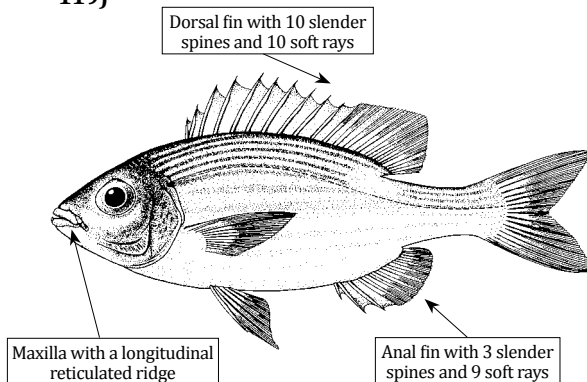
**Colour:** Body bright silver-grey; each scale with a golden centre forming longitudinal lines on body; belly with a bright yellow band starting at pelvic fin and flaring upward and backward; lower caudal-lobe yellow with tip and lower edge whitish.



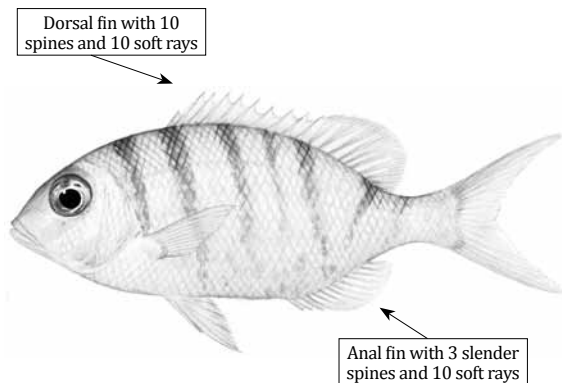
**Size:** To 80 cm, common 45 cm

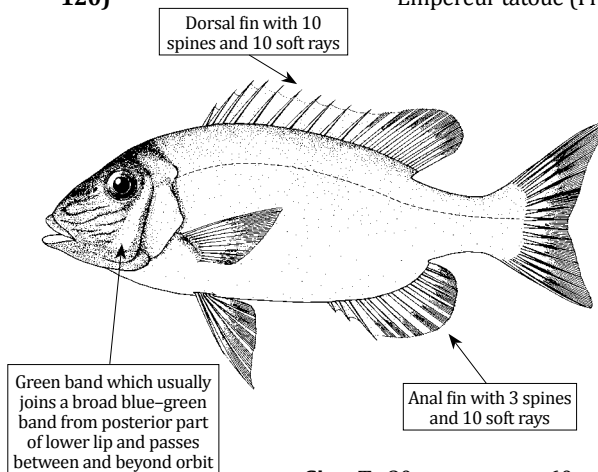
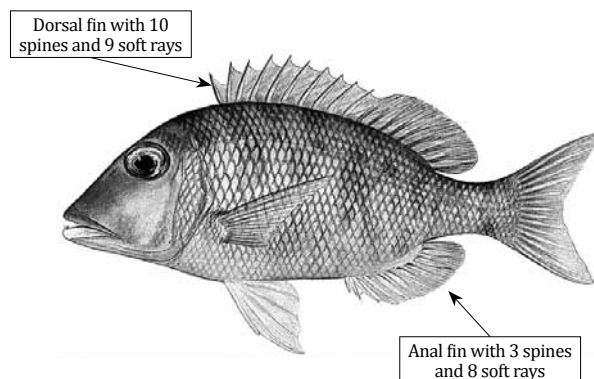
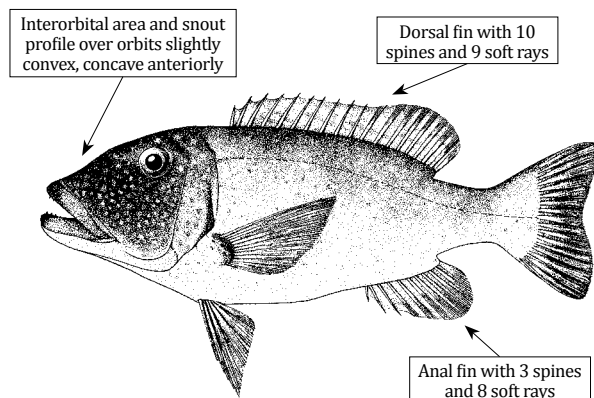
***Rhabdosargus thorpei* Smith, 1979**

FAO names: Bigeye stumpnose (En)

**Local name(s):** N: Tuku; S: Chena (M), Njona (K).**Habitat:** Shoals congregate in rivers and many enter estuaries.**Fisheries:** Bottom trawls, Gillnets, Longlines, Handlines, Stake traps.**Distinctive Characters:** At front of both jaws, 6 enlarged incisiform teeth; dorsal fin single, with 11 slender spines and 13 soft rays; anal fin with 3 spines and 12 soft rays; 6½ or 7 scale rows between lateral line and 4<sup>th</sup> dorsal spine; dorsal and anal fins with a basal sheath.**Colour:** Bright yellow on ventral part of body including pelvic and anal fins.**Size:** To 40 cm, common 30 cm**LETHRINIDAE****Emperors – Scavengers – Large-eye breams*****Gnathodentex aureolineatus* (Lacepède, 1802)****(Plate XIII, 119)** FAO names: Striped large-eye bream (En)**Local name(s):** N: Changu/Tangu; S: Changu (M/K).**Habitat:** Coral reefs from 3 m to 20 m; forms compact aggregations.**Fisheries:** Traps, Gillnets, Handlines, Seines, Spears.**Distinctive Characters:** Head profile straight in front of a large eye; 2 close-set, round nasal openings in front of eye; caudal fin forked with pointed tips.**Colour:** Body above lateral line dark brown with a pale green spot on each scale; whitish longitudinal stripes on body; a conspicuous yellow blotch with a pearly white centre on body below last dorsal soft rays; spiny parts of dorsal and anal fins and caudal fin, light red.**Size:** To 30 cm, common 20 cm***Gymnocranius elongatus* Senta, 1973**

FAO names: Forktail large-eye bream (En)

**Local name(s):** N: Changu/Tangu; S: Changu (M/K).**Habitat:** Benthic on the continental shelf from 50 m to 100 m.**Fisheries:** Traps, Gillnets, Handlines, Seines, Spears.**Distinctive Characters:** Eye diameter usually about equal to the length of the snout; outer surface of maxilla smooth; hind tip of maxilla not reaching a vertical from anterior nostril; 3<sup>rd</sup> dorsal-fin spine longest; inner surface of pectoral-fin base scaleless.**Colour:** Overall silvery, sometimes slightly brownish dorsally; about 8 transverse brown bars on sides, the first crossing through eye, the remainder below dorsal fin and across caudal peduncle; dorsal fin often splashed with red spots; caudal-fin margins and tips often deep red.**Size:** To 35 cm, common 25 cm

***Gymnocranius grandoculis*** (Valenciennes, 1830)**(Plate XIII, 120)** FAO names: Blue-lined large-eye bream (En)  
Empereur tatoué (Fr)**Local name(s):** N: Changu/Tangu; S: Changu chauzio (M), Changu (K).**Habitat:** Benthic on the continental shelf and offshore rocky bottoms, from 50 m to 100 m.**Fisheries:** Bottom longlines, Bottom trawls.**Distinctive Characters:** Dorsal profile of head smoothly convex; eye moderate in size; maxilla with a smooth surface; caudal fin forked with pointed lobes; inner surface of pectoral-fin base scaleless.**Colour:** Silvery grey-blue above, silvery white below; cheeks, snout and opercle with conspicuous wavy blue lines in fresh specimens; upper and lower edges of caudal fin blue with submarginal band of salmon-pink; juveniles silvery with dark brown bars and oblique bands on body.**Size:** To 80 cm, common 60 cm***Lethrinus borbonicus*** Valenciennes, 1830**(Plate XIV, 121)** FAO names: Snubnose emperor (En)**Local name(s):** N: Changu/Tangu; S: Changu (M/K).**Habitat:** During daytime in sandy areas near reefs, sometimes in groups, but solitary at night. Maximum depth 40 m.**Fisheries:** Traps, Bottom trawls, Handlines, Seines.**Distinctive Characters:** The inner surface of the pectoral-fin base is densely scaled; posterior angle of the operculum is fully scaled; cheek without scales.**Colour:** Body greenish-grey or yellow-brown; irregular patterns of broken dusky bars on sides; caudal fin and soft portion of dorsal-fin margins reddish.**Size:** To 40 cm, common 25 cm***Lethrinus erythracanthus*** Valenciennes, 1830**FAO names:** Orange-spotted emperor (En)  
Empereur capitaine (Fr)**Local name(s):** N: Changu/Tangu; S: Changu (M/K).**Habitat:** Inhabits deep lagoons and channels, outer reefs slopes and adjacent soft bottom areas, from 20 m to 120 m.**Fisheries:** Handlines, Longlines, Traps, Bottom trawls.**Distinctive Characters:** Pectoral fins almost equal to head length; inner surface of pectoral-fin bases scaled; cheek without scales; 4 ½ scale rows between lateral line and base of middle dorsal-fin spines.**Colour:** Body pale green-yellow, lighter below, with 5 or 6 bright orange-yellow longitudinal stripes; head yellow-brown; opercular and preopercular margins and top of eye all bright red; dorsal and caudal fins purple-red, other fins orange-yellow.**(Plate XIV, 122)****Size:** To 70 cm, common 50 cm

***Lethrinus genivittatus*** Valenciennes, 1830

FAO names: Longspine emperor (En)

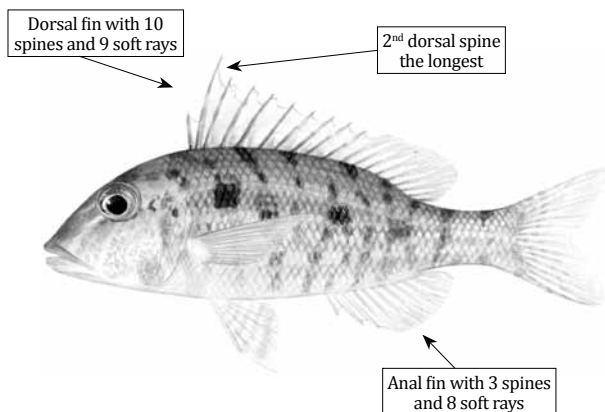
**Local name(s):** N: Changu/Tangu; S: Changu chakufa (M), Change dizi (K).

**Habitat:** Benthic on the continental shelf and offshore rocky bottoms from 50 m to 100 m.

**Fisheries:** Beach Seines, Gillnets, Traps, Handlines.

**Distinctive Characters:** Posterior nostril an oblong nearly vertical opening, about halfway between orbit and anterior nostril; outer surface of maxilla with a distinct knob; 4 ½ scale rows between lateral line and base of middle dorsal-fin spines.

**Colour:** Body tan or brown on upper sides, lower sides white with three brown or tan stripes; sides often with scattered irregular black oblique bars and a square black blotch above the pectoral fins and bordering below the lateral line.



**Size:** To 50 cm, common 30 cm

***Lethrinus harak*** (Forsskål, 1775) (Plate XIV, 123)FAO names: Thumbprint emperor (En)  
Empereur Saint Pierre (Fr)

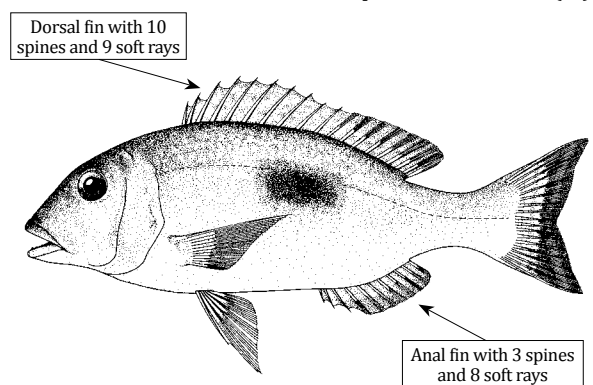
**Local name(s):** N: Changu/Tangu; S: Changu chakufa (M), Change dizi (K).

**Habitat:** Shallow sandy areas, coral rubble, mangroves, lagoon and seagrass areas, inshore and adjacent to coral reefs down to 20 m.

**Fisheries:** Beach Seines, Gillnets, Traps, Handlines.

**Distinctive Characters:** Mouth slightly protractile; interorbital space moderately convex; snout profile straight; maxilla reaching opposite anterior nostrils; cheek without scales; 4<sup>th</sup> or 5<sup>th</sup> dorsal-fin spine the longest.

**Colour:** Olive green above, lighter below, belly often tinged with pink; a large black, oblong blotch present on side of body located below lateral line from 7<sup>th</sup> dorsal spine to 2<sup>nd</sup> dorsal-fin ray in level with end of pectoral fins; all fins pinkish to rosy red; vertical fins mottled or striped.



**Size:** To 50 cm, common 30 cm

***Lethrinus lentjan*** (Lacepède, 1802) (Plate XIV, 124)FAO names: Pink ear emperor (En)  
Empereur lentille (Fr)

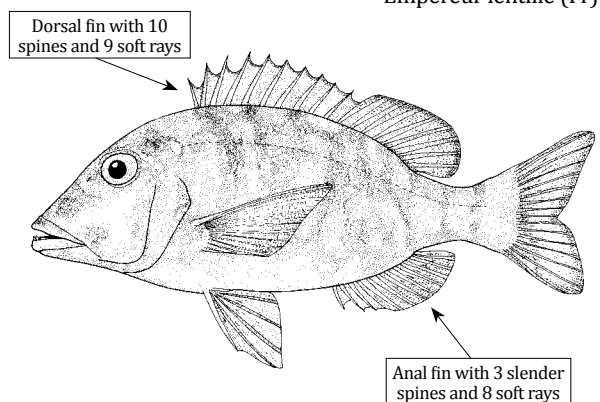
**Local name(s):** N: Changu-mombasi/Tangu; S: Changu njana (M/K).

**Habitat:** Shallow sandy bottoms in coastal areas, deep lagoons and near coral reefs down to 50 m.

**Fisheries:** Handlines, Traps, Beach seines, Gillnets, Bottom trawls, Bottom longlines.

**Distinctive Characters:** Interorbital space moderately convex; snout straight or nearly so, no hump on head; maxilla reaching opposite anterior or posterior nostril, a little short in young; inner surface of pectoral-fin bases scaleless or with only few scales.

**Colour:** Body green-grey above, silver below; white spots sometimes on scale centres especially above lateral line; head brownish mauve-purple; a bright red margin to opercle and usually to pectoral-fin base.



**Size:** To 50 cm, common 40 cm

***Lethrinus mahsena*** (Forsskål, 1775)

(Plate XIV, 125)

**FAO names:** Sky emperor (En)  
Empereur mahsena (Fr)

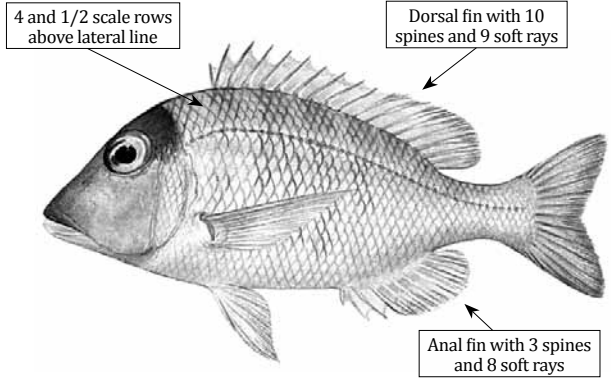
**Local name(s):** N: Changu chona/Chuku/Tangu;  
S: Changu tukwana (M), Changu tukuwana (K).

**Habitat:** Coral reefs and adjacent sandy and seagrass areas from 2 m to 100 m.

**Fisheries:** Handlines, Traps, Bottom trawls.

**Distinctive Characters:** Interorbital space flat or slightly convex; snout blunt; 3<sup>rd</sup> to 6<sup>th</sup> dorsal-fin spines the longest; inner base of pectoral fins without scales.

**Colour:** Body olive-grey to green, becoming white below, belly tinged pink anteriorly; head brownish-green with bronze reflections on side of face; upper lip pinkish-red, scarlet at gape; dorsal and anal-fin membranes orange-red; a crimson-red blotch may be present on dorsal head profile above eye.



**Size:** To 65 cm, common 40 cm

***Lethrinus microdon*** Valenciennes, 1830

(Plate XIV, 126)

**FAO names:** Smalltooth emperor (En)  
Empereur tidents (Fr)

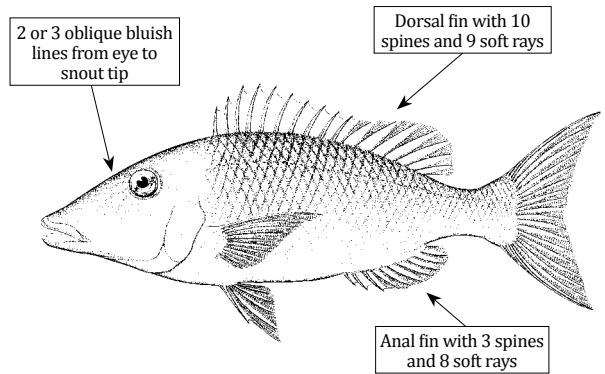
**Local name(s):** N: Changu borasimbo/Tangu; S: Changu domo (M), Change omoomo (K).

**Habitat:** Sandy areas near coral reefs; occasionally in groups with *L. olivaceus*. Maximum depth 80 m.

**Fisheries:** Handlines, Gillnets, Traps, Bottom trawls.

**Distinctive Characters:** Interorbital area gently convex; snout convex above and in front of nostrils, often slightly concave behind upper lip; 3<sup>rd</sup> dorsal-fin spine longest; inner surface of pectoral-fin base scaleless.

**Colour:** Olive brown, paler below, with bluish scale centres; head purple with a dark area behind eye; fins bright red, pelvic fins darker; juveniles with indistinct cross band and a dark blotch between lateral line and middle of pectoral fins; 8 vertical bands usually present on upper half of body.



**Size:** To 80 cm, common 40 cm

***Lethrinus nebulosus*** (Forsskål, 1775)

(Plate XIV, 127)

**FAO names:** Spangled emperor (En)  
Empereur moris (Fr)

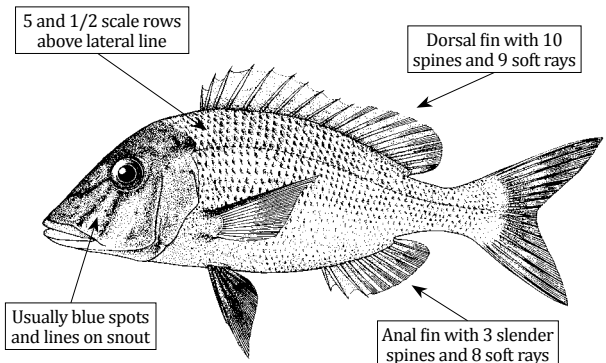
**Local name(s):** N: Changu mbavaa/Tangu;  
S: Changu chava (M), Changu (K).

**Habitat:** Near shore and offshore coral reefs, lagoons, seagrass beds, mangrove swamps and coastal sand and rock areas, down to 75 m.

**Fisheries:** Handlines, Traps, Gillnets, Bottom trawls.

**Distinctive Characters:** Interorbital space convex, snout profile straight or slightly concave above nostrils, convex beyond; 3<sup>rd</sup> to 5<sup>th</sup> dorsal-fin spines longest; inner surface of pectoral-fin base scaled.

**Colour:** Olive-green above, paler below; each scale on the back with a white to blue centre; usually several yellow longitudinal stripes on sides, giving an overall effect of blue and yellow; fins yellow, mottled or striped with orange to red; upper margin of pectoral fins blue; pelvic fins usually dark.



**Size:** To 87 cm, common 70 cm

***Lethrinus olivaceus*** Valenciennes, 1830

FAO names: Longface emperor (En)

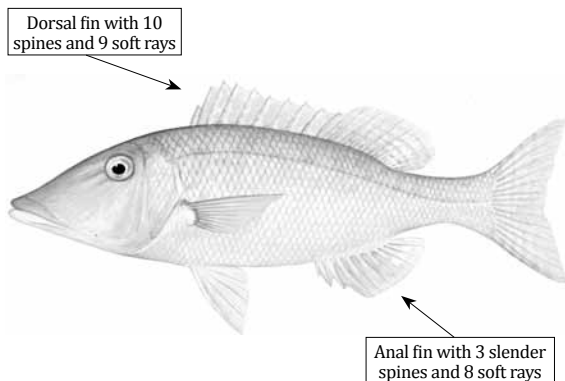
**Local name(s):** N: Changu mdomo/Tangu; S: Changu domo (M), Changu/Changu domomo (K).

**Habitat:** Coral reefs and coastal waters to rather deep waters. Maximum depth 190 m.

**Fisheries:** Handlines, Gillnets, Longlines, Bottom trawls.

**Distinctive Characters:** Snout long and thin; lips fleshy, following profile of snout and chin respectively; 3<sup>rd</sup> dorsal-fin spine longest; cheek without scales; 5 ½ scale rows between lateral line and base of middle dorsal-fin spines; inner surface of pectoral-fin base scaleless.

**Colour:** Greenish-grey, with patches of brown above, lighter below, sometimes with tinge of pink; a conspicuous red line below the lips; often 2 to 3 dark streaks extending from eye toward mouth; dorsal fin often splashed with red spots; pectorals blue; pelvic and caudal fins dominantly reddish.



Size: To 100 cm, common 70 cm

***Lethrinus rubrioperculatus*** Sato, 1978

(Plate XIV, 128)

FAO names: Spotcheek emperor (En)

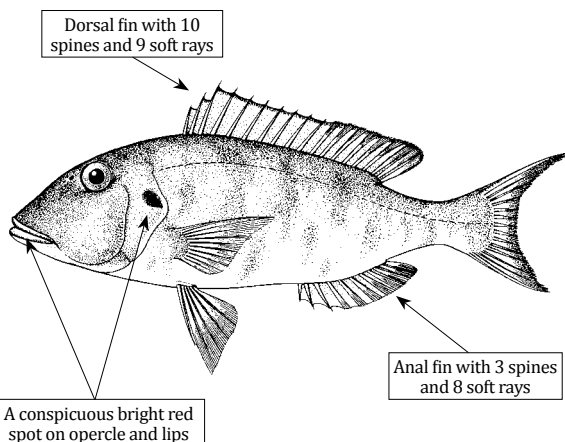
**Local name(s):** N: Changu chavi/Tangu; S: Changu nyavi (M/K).

**Habitat:** Sandy and rubble areas of outer reef slopes from 12 m to 160 m.

**Fisheries:** Handlines, Gillnets, Traps, Bottom trawls.

**Distinctive Characters:** Interorbital space flat or only slightly convex; eye placed very near dorsal profile; hind tip of maxilla reaching to or vertical from anterior nostril; 3<sup>rd</sup> and 4<sup>th</sup> dorsal-fin spines longest; caudal fin lunate, upper lobe usually longer than lower; inner surface of pectoral-fin base scaleless.

**Colour:** Body greyish green to purple, paler below; head often darker; fins red to orange, with brighter margins, sometimes mottled with bright red.



Size: To 50 cm, common 30 cm

***Lethrinus variegatus*** Valenciennes, 1830

(Plate XV, 129)

FAO names: Slender emperor (En)

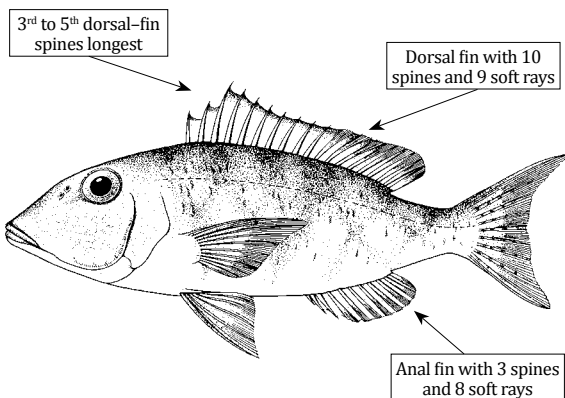
**Local name(s):** N: Changu/Tangu; S: Changu choo (M), Change shororo (K).

**Habitat:** Sandy and weedy areas near coral reefs.

**Fisheries:** Beach seines, Traps, Gillnets, Handlines, Longlines, Bottom trawls.

**Distinctive Characters:** Eye placed very near to dorsal profile; snout profile with a slight hump above nostril and a little concave anteriorly; hind tip of maxilla reaching posterior nostril; inner surface of pectoral-fin base without scales.

**Colour:** Body yellow to olive-green, often with a reticulated pattern enclosing white blotches and black variegated spots; 2 dark bands from eye, one straight downward, the other to upper jaw, present in juveniles (but not readily visible in adults).



Size: To 20 cm



***Lethrinus xanthochilus* Klunzinger, 1870**

**Local name(s):** N: Changu/Tangu; S: Changu (M), Change kiyoga (K).

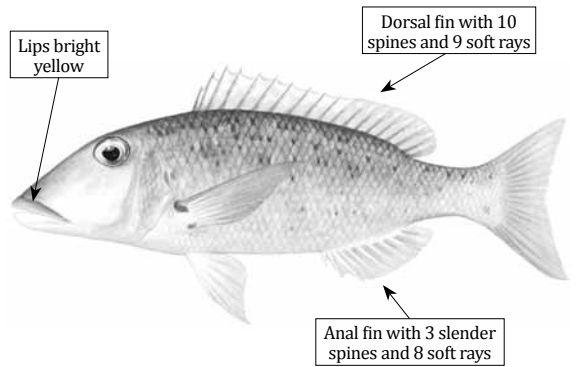
**Habitat:** Shallow lagoons seaward reefs, seagrass beds, sand and rubble or coral areas often in small groups.

**Fisheries:** Gillnets, Handlines, Traps, Bottom trawls.

**Distinctive Characters:** Eye placed very near dorsal profile; snout long and thin, its profile sloping gently, sometimes a small hump before eye; lips fleshy; 3<sup>rd</sup> dorsal-fin spine the longest; inner surface of pectoral-fin base scaleless.

**Colour:** Body yellowish-grey, often tinged with pink; yellowish-brown longitudinal bands often present on sides; sometimes small black spots scattered here and there; a red spot at upper base of the pectoral fins.

**FAO names:** Yellowlip emperor (En)  
Empereur bec-de-cane (Fr)



**Size:** To 70 cm, common 60 cm

***Monotaxis grandoculis* (Forsskål, 1775)**

(Plate XV, 130)

**FAO names:** Humnose big-eye bream (En)  
Empereur bossu (Fr)

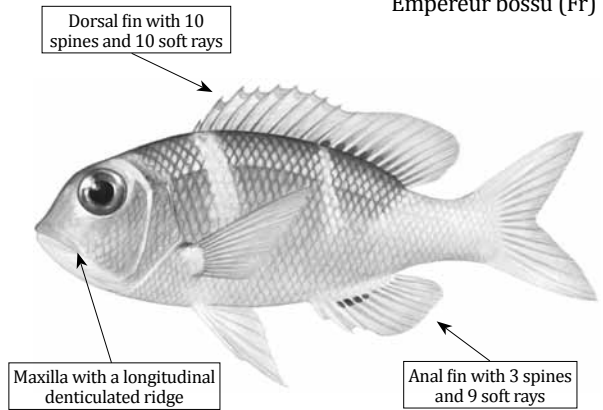
**Local name(s):** N: Changu/Tangu; S: Changu mawe/Macho (M), Changeu (K).

**Habitat:** Inhabits lagoon and seaward reefs near sand patches from 1 m to 100 m.

**Fisheries:** Gillnets, Traps, Spears, Handlines, Longlines.

**Distinctive Characters:** Head profile strongly convex in front of a large eye; caudal fin forked with pointed tips; inner surface of pectoral-fin base densely scaled.

**Colour:** Body bluish-grey above, paler below; lips yellow; area over and around eye yellow or orange; a narrow vertical dark band through eye; posterior part of dorsal fin with irregular dark spots at bases; in young individuals, body with 4 wide, vertical bands.



**Size:** To 60 cm, common 40 cm

**NEMIPTERIDAE**

Threadfin breams - Monocle breams - Dwarf monocle breams

***Nemipterus bipunctatus* (Valenciennes, 1830)**

**Local name(s):** N: Koana; S: Koana (K).

**Habitat:** Benthic on sandy or muddy bottoms from 18 m to 60 m.

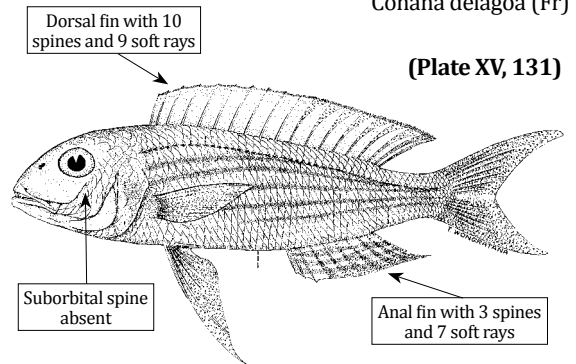
**Fisheries:** Handlines, Bottom trawls, Gillnets.

**Distinctive Characters:** Preopercle with 3 transverse scale rows; pectoral fins moderately long, reaching to or just behind anus with 2 unbranched and 16 branched rays; pelvic fins long, reaching to or just beyond level of origin of anal fin.

**Colour:** Upper part of body pinkish, shading to silvery on the ventral surface; 5 to 7 greenish-yellow upward-curved stripes on body below lateral line.

**FAO names:** Delagoa threadfin bream (En)  
Cohana delagoa (Fr)

(Plate XV, 131)



**Size:** To 30 cm, common 25 cm

***Nemipterus japonicus*** (Bloch, 1791)

(Plate XV, 132)

**FAO names:** Japanese threadfin bream (En)  
Cohana japonaise (Fr)

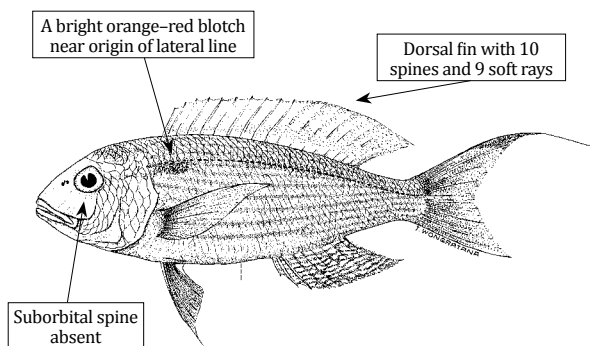
**Local name(s):** N: Koana; S: Koana (K).

**Habitat:** Benthic in coastal waters, found on sandy bottoms from 5 m to 80 m.

**Fisheries:** Longlines, Bottom trawls, Gillnets.

**Distinctive Characters:** Anal fin with 3 spines and 7 rays; upper lobe of caudal fin prolonged into a filament; no filaments in other fins.

**Colour:** Upper part of body pinkish, becoming silvery below; top of head behind eye with a golden sheen; 1–3 longitudinal yellow lines above lateral line, 7–9 below, and a yellow band along belly.



**Size:** To 30 cm, common 25 cm

***Nemipterus randalli*** Russell, 1986

(Plate XV, 133)

**FAO names:** Randall's threadfin bream (En)

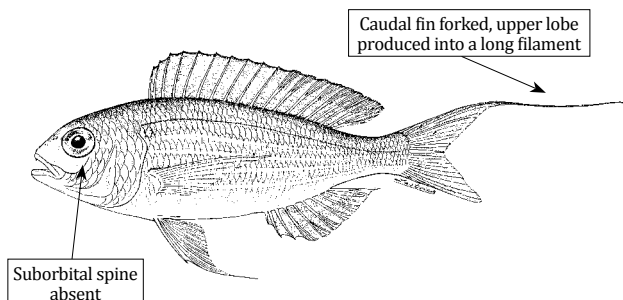
**Local name(s):** N: Koana; S: Koana (K).

**Habitat:** Benthic on sandy or muddy bottoms from 22 m to 225 m.

**Fisheries:** Bottom trawls, Handlines.

**Distinctive Characters:** Preopercle with 3 transverse scale rows; snout length about equal to diameter of eye; pectoral and pelvic fins very long, reaching to or just beyond level of origin of anal fin.

**Colour:** Body silvery–pink with 3 or 4 faint yellow stripes on sides below lateral line; broad yellow stripe on either side of ventral midline; pinkish blotch below origin of lateral line; eye salmon pink.



**Size:** To 20 cm, common 15 cm

***Nemipterus zysron*** (Bleeker, 1856)

(Plate XV, 134)

**FAO names:** Slender threadfin bream (En)  
Cohana élégante (Fr)

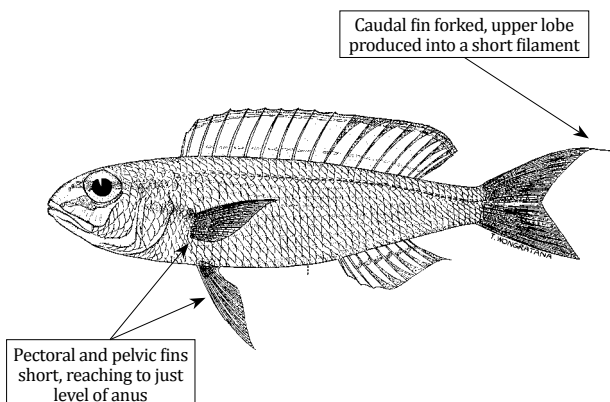
**Local name(s):** N: Koana; S: Koana (K).

**Habitat:** Benthic on sandy bottoms near rocks from 10 m to 125 m.

**Fisheries:** Handlines, Bottom trawls.

**Distinctive Characters:** Snout length about equal to or less than diameter of eye; suborbital spine absent; preopercle with 3 transverse scale rows.

**Colour:** Upper part of body reddish, silvery below; yellow stripes in front of eye through nostrils, and from upper lip to beneath eye; less distinct golden stripe from behind eye to origin of lateral line.



**Size:** To 25 cm

***Parasclopsis eriomma*** (Jordan & Richardson, 1909)

**Local name(s):** N: Chenda mashimo; S: Changu doa (M), Mbalamwezi (K).

**Habitat:** Benthic on sandy or muddy bottoms in offshore waters from 25 m to 175 m.

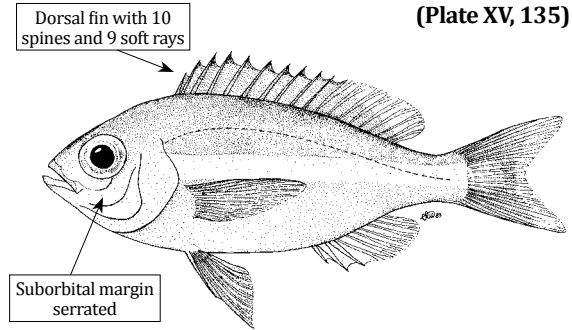
**Fisheries:** Longlines, Bottom trawls.

**Distinctive Characters:** Small rudimentary spine below eye; head scales reaching forward to between middle of eyes; pectoral fins with 2 unbranched and 14–15 branched rays; anal fin with 3 spines and 7 soft rays.

**Colour:** Overall pinkish; a broad yellowish longitudinal band along middle of body from above pectoral fins to base of caudal fin.

**FAO names:** Rosy dwarf monocle bream (En)  
Mamila rosée (Fr)

(Plate XV, 135)



**Size:** To 30 cm

***Scolopsis bimaculata*** Rüppell, 1828 (Plate XV, 136)

**FAO names:** Thumbprint monocle bream (En)  
Mamila Saint Pierre (Fr)

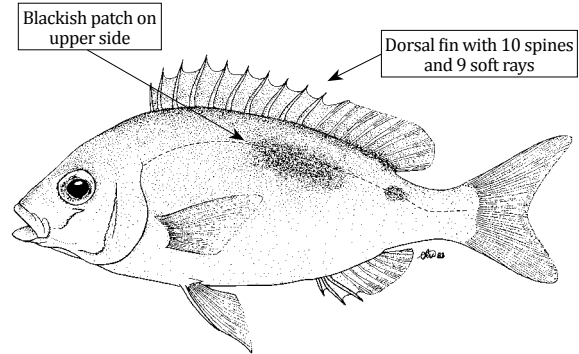
**Local name(s):** N: Chenda mashimo; S: Changu doa (M), Mbalamwezi/Dizi (K).

**Habitat:** Benthic in inshore waters usually on coral reefs or on sandy bottoms near coral reefs down to 60 m.

**Fisheries:** Bottom trawls, Handlines, Traps, Gillnets, Seines.

**Distinctive Characters:** A stout, backward projecting spine just below eye; anal fin with 3 spines and 7 soft rays; pectoral fins with 2 unbranched rays and 15 to 17 (usually 16) branched rays.

**Colour:** Upper body grey, whitish below; a blue stripe joining eyes; fins generally pale grey.



**Size:** To 31 cm, common 15 cm

***Scolopsis frenata*** (Cuvier, 1830)

**FAO names:** Bridled monocle bream (En)  
Mamila de Seychelles (Fr)

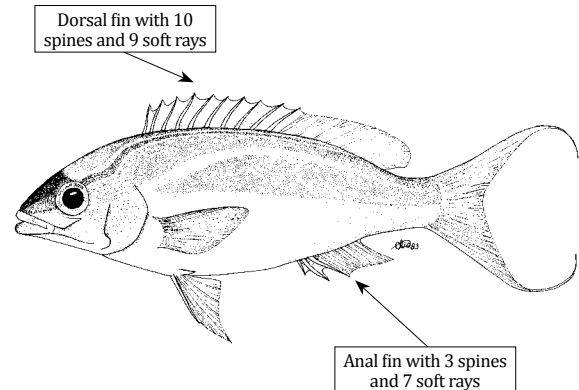
**Local name(s):** N: Chenda mashimo; S: Changu doa (M), Kanga macho (K).

**Habitat:** Inhabits sandy bottoms close to coral reefs; occurs in small groups.

**Fisheries:** Bottom trawls, Handlines, Traps, Gillnets.

**Distinctive Characters:** A stout, backward-projecting spine just below eye; predorsal scales (on top of head) reaching forward to, or about to level of posterior nostrils.

**Colour:** White on lower half; upper half dark brown to greenish; a silvery band from snout to below eye, sometimes continued onto opercle; a broad yellow band from upper part of eye and arching along dorsal profile to end of dorsal fin, bordered above and below with a broad band of brown or dark green; a light blue area just below lower dark green band.



**Size:** To 26 cm, common 17 cm

***Scolopsis ghanam*** (Forsskål, 1775)

(Plate XV, 137)

FAO names: Arabian monocle bream (En)

Mamila arabe (Fr)

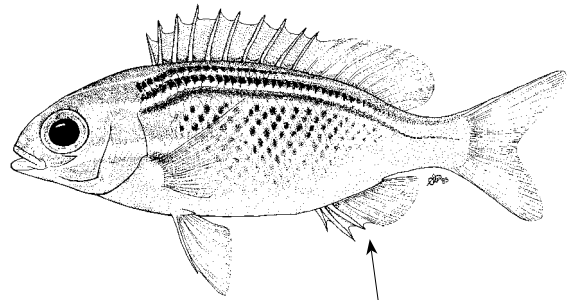
**Local name(s):** N: Chenda mashimo; S: Changu doa (M), Kanga macho (K).

**Habitat:** Benthic in inshore waters on shallow sandy bottoms close to coral reefs.

**Fisheries:** Bottom trawls, Handlines, Traps, Gillnets.

**Distinctive Characters:** A stout, backward projecting spine just below eye; pectoral fins with 2 unbranched and 14 branched rays; pelvic fins long, reaching to or just beyond level of anus; axillary scale present.

**Colour:** Body silvery-grey with numerous black or dark brown spots on sides; 2–3 narrow brown-black longitudinal stripes with white spaces in between.



Anal fin with 3 spines and 7 soft rays

**Size:** To 30 cm, common 12 cm

***Scolopsis vosmeri*** (Bloch, 1792)

(Plate XV, 138)

FAO names: Whitecheek monocle bream (En)

Mamila joues blanches (Fr)

**Local name(s):** N: Chenda mashimo; S: Changu doa (M), Dizi (K).

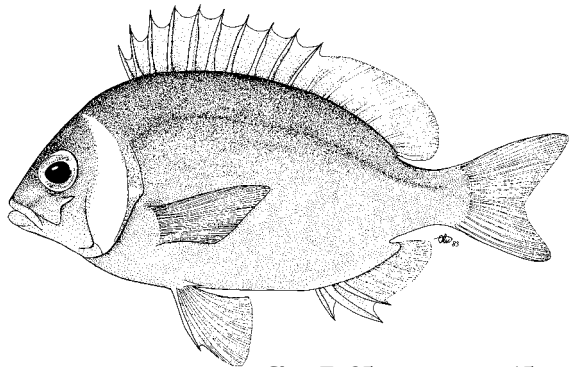
**Habitat:** Benthic inshore waters, usually on sandy or muddy bottoms close to reefs.

**Fisheries:** Bottom trawls, Handlines, Traps.

**Distinctive Characters:** Snout with a backward-pointing spine just below eye, preceded by a small forward-pointing spine; pectoral fins with 2 unbranched and 16–17 branched rays; anal fin with 3 spines and 7 soft rays; pelvic fins long, reaching to or just beyond level of anus; axillary scale present.

**Colour:** Body colour usually dark with a reddish-purple tinge; a broad, white vertical band from top of head on to gill covers; scales on sides of body with dark spots; fins greyish, tinged red.

Dorsal fin with 10 spines and 9 soft rays



**Size:** To 25 cm, common 15 cm

**SCIAENIDAE**

Croakers – Drums – Meagres – Weakfishes

***Johnius amblycephalus*** (Bleeker, 1855)

FAO names: Bearded croaker (En)

**Local name(s):** N: Gufadi; S: Gufadhi (M), Kowe, Beha (K).

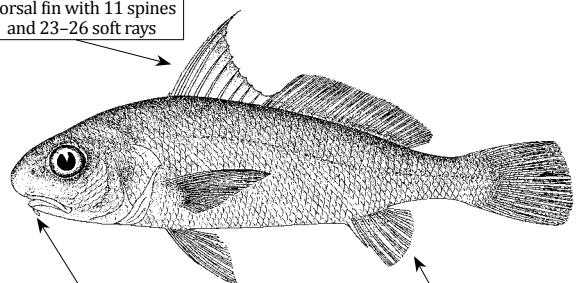
**Habitat:** Shoaling fish of shallow coastal waters and estuarine waters. Maximum depth 40 m.

**Fisheries:** Bottom trawls, Beach seines.

**Distinctive Characters:** Mouth inferior; teeth differentiated into large and small in upper jaw only, the large ones forming outer close-set series; pectoral fins moderately long, about 3/4 of head length; caudal fin rhomboid; scales on body cycloid (smooth); 6–9 gill rakers on lower limb of 1<sup>st</sup> arch.

**Colour:** Body black, upper part of the rather high spiny dorsal fin black; no other distinctive markings.

Dorsal fin with 11 spines and 23–26 soft rays



A blunt barbel without pore at tip of chin

Anal fin with 2 spines and 7 soft rays

**Size:** To 25 cm, common 15 cm

***Johnius dussumieri*** (Cuvier, 1830)

(Plate XVI, 139)

FAO names: Sin croaker (En)

**Local name(s):** N: Gufadi; S: Gufadhi (M), Kowe, Beha (K).

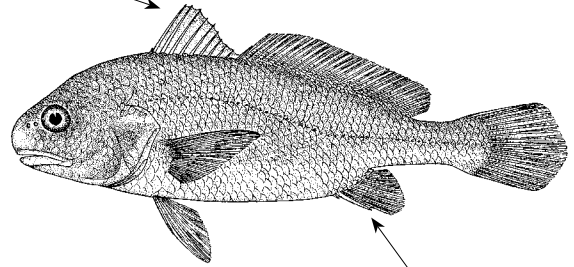
**Habitat:** Inshore and coastal waters down to 40 m.

**Fisheries:** Bottom trawls, Gillnets, Seines.

**Distinctive Characters:** Mouth small and subterminal; small and large teeth both in upper and lower jaw; enlarged outer teeth widely spaced; 12–16 gill rakers on lower limb of 1<sup>st</sup> gill arch; pectoral fins moderately long, about 3/4 of head length; caudal fin rhomboid.

**Colour:** Dusky brown on back, lighter below; upper part of dorsal fin black and black spot at base of pectoral fins; opercular opening with a black blotch.

Dorsal fin with 9–10 spines and 25–30 soft rays



Anal fin with 2 spines and 7–8 soft rays

Size: To 40 cm

***Otolithes ruber*** (Bloch & Schneider 1801)

FAO names: Tigertooth croaker (En)

Grande verrueigre (Fr)

**Local name(s):** N: Gufadi; S: Gufadhi (M), Kowe, Beha (K).

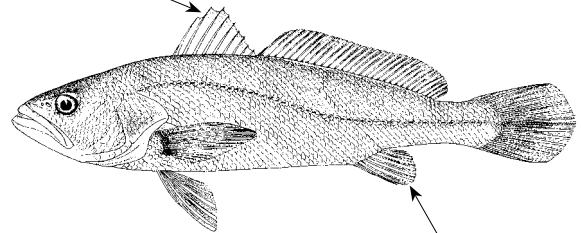
**Habitat:** Coastal waters, sheltered bays and estuarine systems; tolerant to turbid waters and wide range of salinities. Maximum depth 40 m.

**Fisheries:** Bottom trawls, Gillnets, Handlines.

**Distinctive Characters:** Body slender, greatest depth 4–5 times in standard length; mouth large, terminal, slightly upturned; 1–2 pairs of strong canines in upper jaw and 1 pair at tip of lower jaw; 8–11 gill rakers on lower limb of 1<sup>st</sup> arch; caudal fin rhomboid (pointed in juveniles).

**Colour:** Brownish above; silvery with a golden sheen on flanks and belly, often with oblique dark streaks dorsally.

Dorsal fin with 9–10 spines and 27–30 soft rays



Anal fin with 2 spines and 7–8 soft rays

Size: To 90 cm, common 40 cm

***Umbrina canariensis*** Valenciennes, 1843

FAO names: Canary drum (En)

Ombriine bronze (Fr)

**Local name(s):** N: Gufadi; S: Gufadhi (M), Kowe, Beha (K).

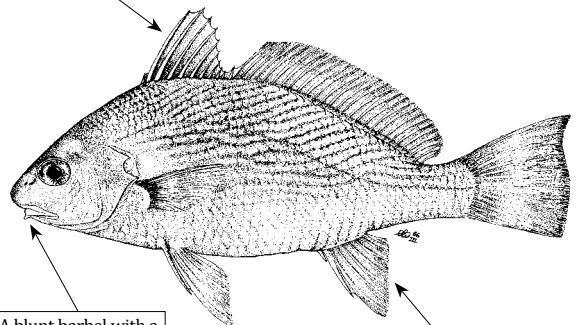
**Habitat:** Sluggish, usually in shallow waters along rocky shores or bays. Maximum depth 40 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Snout rounded, mouth inferior, maxilla reaching to middle of eye; pectoral fins moderate about 3/4 of head length; caudal fin wedge-shaped; scales cycloid (smooth) on snout, ctenoid (rough to touch) elsewhere; scales present on anal-fin base.

**Colour:** Body with about 9 sinuous brown bands; a dark blotch at pectoral-fin axil; 1<sup>st</sup> part of dorsal fin black; a black band along the length of 2<sup>nd</sup> dorsal and anal fins; pelvic fins black.

Dorsal fin with 11 spines and 27–29 soft rays



A blunt barbel with a pore at tip of chin

Anal fin with 2 spines and 7 soft rays

Size: To 80 cm

***Umbrina ronchus*** Valenciennes, 1843 \*

FAO names: Fusca drum (En)

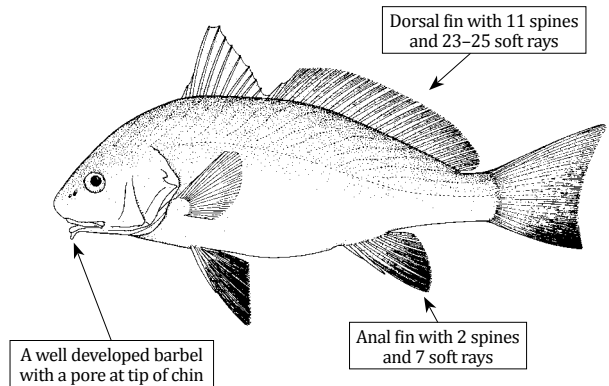
**Local name(s):** N: Gufadi; S: Gufadhi (M), Kowe, Beha (K).

**Habitat:** Inhabits inshore and coastal waters. Maximum depth 50 m.

**Fisheries:** Bottom trawls, Handlines.

**Distinctive Characters:** Eye small; snout rounded, mouth inferior and horizontal; caudal fin sub-truncate in adults; scales ctenoid (rough) on head and body.

**Colour:** Greyish above; body with about 20 distinct dark oblique streaks; pectoral-fins axil with a dark spot; spiny part of dorsal and pelvic fins black, soft part of dorsal fin with a dark margin.



**Size:** To 100 cm, common 50 cm

**MULLIDAE**

## Goatfishes – Red mullets

***Mulloidichthys flavolineatus*** (Lacepède, 1801)

(Plate XVI, 140) FAO names: Yellowstripe goatfish (En)  
Capucin à bande jaune (Fr)

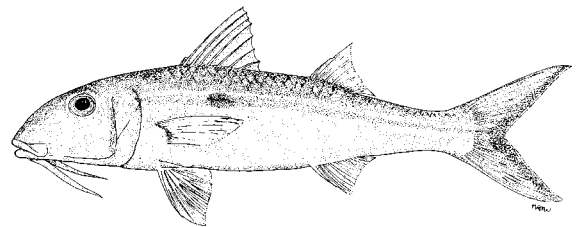
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Shallow waters on sandy bottoms of calm lagoons and bays.

**Fisheries:** Traps, Hooks and Line, Spears.

**Distinctive Characters:** Body very elongate; chin with a pair of slender barbels which usually do not reach rear margin of preopercle; mouth small, the maxilla not reaching front edge of eye; 1<sup>st</sup> dorsal fin with 8 spines, the 1<sup>st</sup> spine very small; 16–18 pectoral-fin rays.

**Colour:** Silver white with a yellow stripe on body at level of eyes, a blackish spot often present in the yellow stripe beneath 1<sup>st</sup> dorsal fin; barbels white; fins whitish to faint yellowish.



**Size:** To 40 cm, common 25 cm

***Mulloidichthys vanicolensis*** (Valenciennes, 1831)

(Plate XVI, 141) FAO names: Yellowfin goatfish (En)  
Capucin de Vanicolo (Fr)

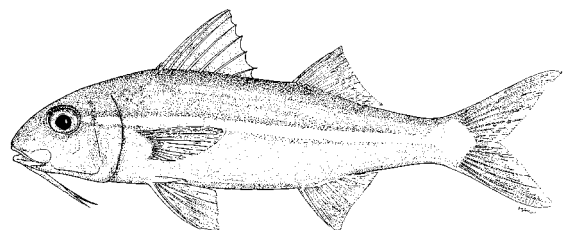
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji/Sonyo (M), Mkundazi (K).

**Habitat:** Shallow waters on sandy bottoms of calm lagoons and bays.

**Fisheries:** Traps, Gillnets, Hooks and Line, Spears.

**Distinctive Characters:** Body elongate; chin with a pair of slender barbels which reach beyond rear margin of preopercle; 1<sup>st</sup> dorsal fin with 8 spines, the 1<sup>st</sup> spine very small; 16–18 pectoral-fin rays.

**Colour:** Whitish to pink with a yellow stripe edged in pale blue on body at upper end of gill opening; no black spot within lateral yellow stripe on body; barbels white to yellowish; fins yellow.



**Size:** To 38 cm, common 25 cm

***Parupeneus barberinus* (Lacepède, 1801)**

(Plate XVI, 142)

FAO names: Dash-and-dot goatfish (En)  
Rouget-barbet barberin (Fr)

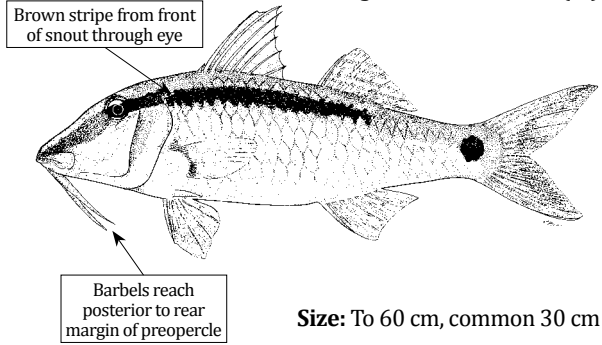
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji/Sonyo (M), Mkundazi (K).

**Habitat:** Shallow waters on sandy bottoms down to 100 m.

**Fisheries:** Bottom trawls, Beach seines, Traps.

**Distinctive Characters:** Body slightly elongate; snout long and pointed; 1<sup>st</sup> dorsal fin with 8 spines, 2<sup>nd</sup> with 9 soft rays; 16 to 18, pectoral-fin rays.

**Colour:** Brown to reddish-brown dorsally, shading to whitish on sides and ventrally; dark reddish-brown spot larger than eye on caudal peduncle.



**Size:** To 60 cm, common 30 cm

***Parupeneus cyclostomus* (Lacepède, 1801)**

(Plate XVI, 143, 144)

FAO names: Gold-saddle goatfish (En)

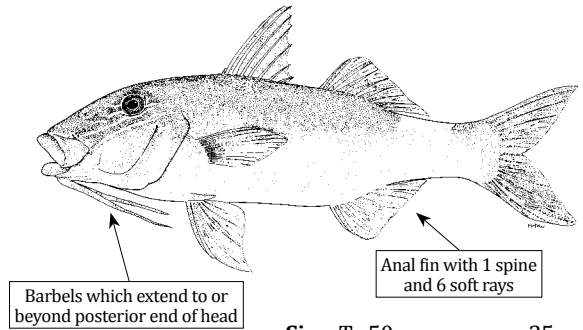
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Found on coral reefs.

**Fisheries:** Lines, Seines, Traps.

**Distinctive Characters:** First dorsal fin with 8 spines, 2<sup>nd</sup> with 9 soft rays; snout moderately long, the profile slightly concave; mouth small.

**Colour:** Two colour phases, one entirely yellow the other dusky yellow dorsally; head with blue lines extending dorso-posteriorly and ventro-anteriorly from eye; other blue lines on cheek and opercle.



**Size:** To 50 cm, common 35 cm

***Parupeneus forsskali* (Fourmanoir & Guézé, 1976)**

\* (Plate XVI, 145)

FAO names: Red Sea goatfish (En)

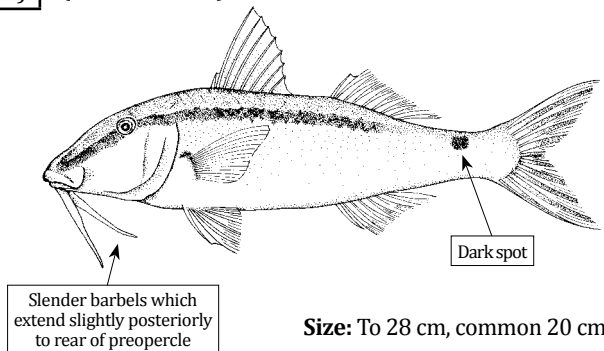
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Sandy bottoms near coral reefs.

**Fisheries:** Hooks and Line, Traps, Gillnets.

**Distinctive Characters:** Mouth small, the maxilla extending only slightly more than half distance to front edge of eye; 15-16 pectoral-fin rays.

**Colour:** Head and body above stripe yellow; black stripe from front of snout through eye.



**Size:** To 28 cm, common 20 cm

***Parupeneus heptacanthus* (Lacepède, 1802)**

(Plate XVI, 146)

FAO names: Cinnabar goatfish (En)  
Rouget-barbet cinnabare (Fr)

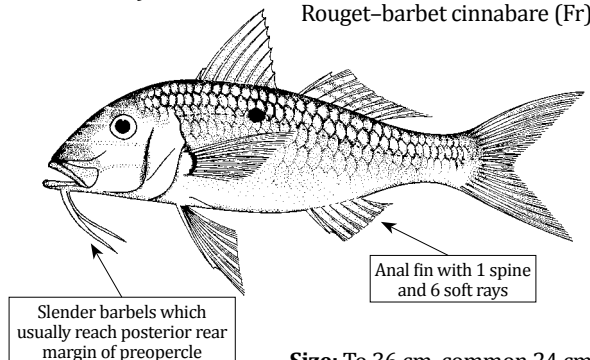
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Lives over silty bottoms from 15 m.

**Fisheries:** Bottom trawls.

**Distinctive Characters:** Head of adults smoothly convex; mouth small; 1<sup>st</sup> dorsal fin with 8 spines, 2<sup>nd</sup> with 9 soft rays; pectoral-fin rays 15 to 17 (usually 16).

**Colour:** Brownish yellow to red (deeper dwelling fish more red); a small reddish brown spot on upper side of adults just below 7<sup>th</sup> and 8<sup>th</sup> lateral-line scale.



**Size:** To 36 cm, common 24 cm

***Parupeneus indicus* (Shaw, 1803) (Plate XVI, 147)**

**FAO names:** Indian goatfish (En)  
Rouget-barbet indien (Fr)

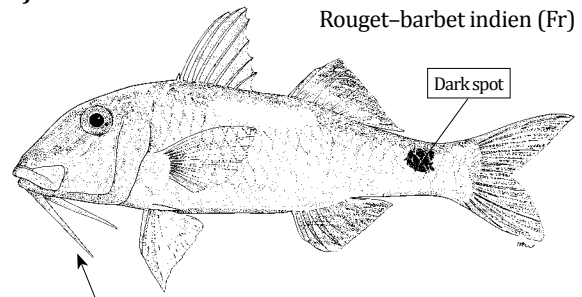
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Inhabits shallow coastal waters.

**Fisheries:** Bottom trawls, Traps, Gillnets, Seines.

**Distinctive Characters:** Mouth small; last ray of 2<sup>nd</sup> dorsal and anal fin longer than penultimate ray; 15–17 (usually 16) pectoral rays.

**Colour:** Greenish–brown to reddish–brown dorsally; a large elongate yellow spot on lateral line; a slightly curved pale blue line passing from above mouth to lower edge of eye and beyond, a 2<sup>nd</sup> shorter line below and parallel to it.



Slender barbels which usually reach posterior to rear margin of preopercle

**Size:** To 45 cm, common 30 cm

***Parupeneus macronemus* (Lacepède, 1801) (Plate XVI, 148) **FAO names:** Long-barbel goatfish (En)**

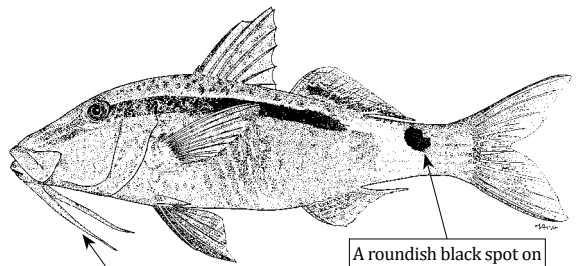
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Shallow sandy or weedy bottoms.

**Fisheries:** Bottom trawls, Beach seines, Traps.

**Distinctive Characters:** Last dorsal and anal soft ray of adults longer than penultimate ray.

**Colour:** Reddish brown, paler ventrally and posteriorly; a dark brown band from front of snout, ending beneath rear base of second dorsal fin; basal third of 2<sup>nd</sup> dorsal fin with a broad black or blackish band or a large black spot; pale blue lines on margin of dark stripe on snout.



Slender barbels usually reaching posterior rear margin of preopercle

A roundish black spot on posterior third of caudal peduncle

**Size:** To 40 cm, common 25 cm

***Parupeneus nansen* Randall & Heemstra, 2009 **FAO names:** Nansen goatfish (En)**

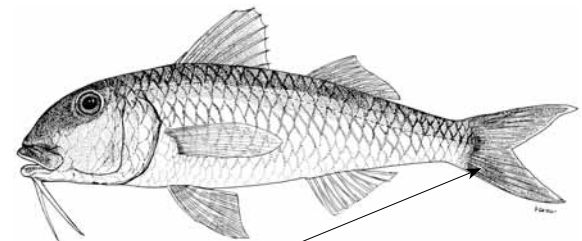
**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji (M), Mkundazi (K).

**Habitat:** Sandy or weedy bottoms down to 51 m.

**Fisheries:** Bottom trawls, Beach seines, Traps.

**Distinctive Characters:** Moderately elongate body; 1<sup>st</sup> dorsal-fin with 8 spines, 2<sup>nd</sup> with 9 rays; 7 anal-fin rays; 15 or 16 pectoral-fin rays.

**Colour:** Light yellowish–grey dorsally, the red edges of scales progressively fainter ventrally; head broadly red dorsally, grading to silvery white on cheek and operculum.



3 large deep pink to red spots on caudal fin, one in each lobe and one at midbase of fin

**Size:** To 16 cm

***Parupeneus pleurostigma* (Bennett, 1831)\* (Plate XVII, 149) **FAO names:** Sidespot goatfish (En)**

**Local name(s):** N: Mkoma/Mkundaji; S: Mkundaji/Sonyo (M), Mkundazi (K).

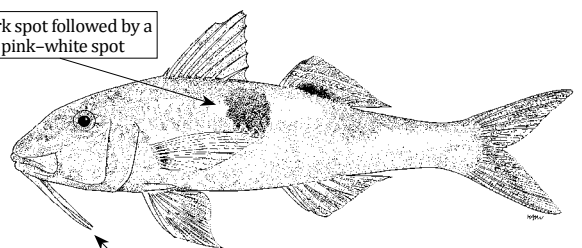
**Habitat:** Coral reefs down to 46 m.

**Fisheries:** Traps, Gillnets.

**Distinctive Characters:** Body moderately elongate; mouth small; last dorsal soft ray of adults longer than penultimate ray; anal fin with 1 spine and 6 soft rays.

**Colour:** Pale yellowish to light red shading to white or pale pink ventrally; base of 2<sup>nd</sup> dorsal fin with a broad black band or spot.

Dark spot followed by a pink–white spot



Slender barbels usually reaching posterior rear margin of preopercle

**Size:** To 33 cm, common 20 cm