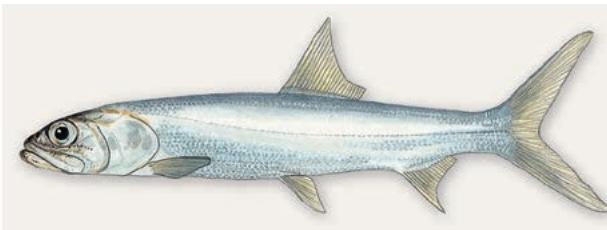


## Family ELOPIDAE, Ladyfishes



Source: CFSA

*Elops macchnata*, ladyfish, ~75 cm TL (South Africa).

## Family MEALOPIDAE, Tarpons



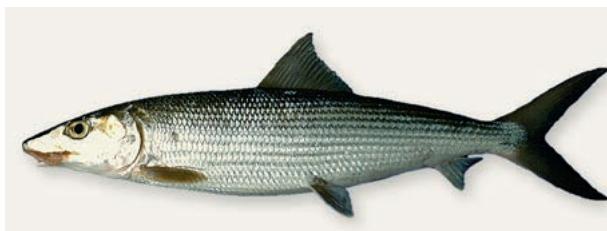
PC Heemstra © NRF-SAIAB

*Megalops cyprinoides*, oxeye tarpon, 29 cm SL (Sri Lanka).

## Family ALBULIDAE, Bonefishes



© J.F.Randall, Bishop Museum

*Albula glossodonta*, shortjaw bonefish, 33 cm SL (Red Sea).

PC Heemstra © NRF-SAIAB

*Albula oligolepis*, slender bonefish, 44 cm SL (S Mozambique).

## Family MURAENIDAE, Moray eels



PC Heemstra © NRF-SAIAB

*Anarchias seychellensis*, Seychelles moray, 18 cm TL (South Africa).

Source: CFSA

*Echidna nebulosa*, snowflake moray, 12 cm TL (South Africa).

PC Heemstra © NRF-SAIAB

*Echidna polysticta*, barred moray, 27 cm TL (Seychelles).

© SV Bogorodsky

*Enchelycore bayeri*, bowmouth moray, 17 cm TL (Red Sea).

E Heemstra © NRF-SAIAB

*Enchelycore nycturanus*, night-sky moray, preserved paratype (South Africa).

PC Heemstra © NRF-SAIAB

*Enchelycore pardalis*, dragon moray, 21 cm TL, juvenile (South Africa).

## Family MURAENIDAE, Moray eels



*Enchelycore pardalis*, dragon moray,  
37 cm TL (Comoros).

PC Heemstra © NRF-SAIAB



*Enchelycore pardalis*, dragon moray,  
(South Africa).



*Enchelycore schismatorhynchus*,  
funnel-nose moray, 15 cm TL (Chagos).

© RWinterbottom, ROM

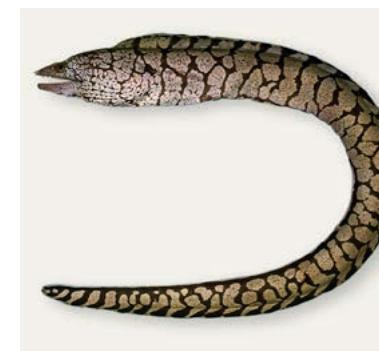


*Enchelyssa canina*, Indo-Pacific viper moray,  
63 cm SL, preserved (Chagos).

© RWinterbottom, ROM



*Gymnothorax angusticauda*, narrowtail  
moray, 46 cm TL (Egypt).



*Gymnothorax berndti*, ladder moray,  
50 cm TL (Maldives).

© JE Randall, Bishop Museum



*Gymnothorax breddeni*, blackcheek moray  
(South Africa).

© V Fraser

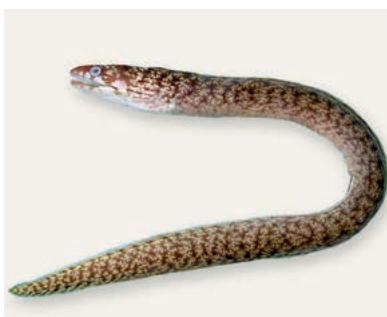


*Gymnothorax buroensis*, laticetail moray,  
16 cm TL (Seychelles).



*Gymnothorax buroensis*, laticetail moray,  
27 cm TL (Red Sea).

© SV Bogorodsky



*Gymnothorax chilospilus*, lipspot moray,  
18 cm TL (Seychelles).

PC Heemstra © NRF-SAIAB



*Gymnothorax cf. chilospilus*, (Tanzania). #



*Gymnothorax cf. chilospilus*, 27 cm TL  
(South Africa). #

PC Heemstra © NRF-SAIAB

# = no species account

## Family MURAENIDAE, Moray eels



© JF Randall, Bishop Museum

*Gymnothorax elegans*, elegant moray,  
49 cm TL (Maldives).



© PC Heemstra © NRF-SAIAB

*Gymnothorax eurostus*, salt and pepper  
moray, 26 cm TL (South Africa).



© J Dench

*Gymnothorax favagineus*, honeycomb moray  
(South Africa).



© JF Randall, Bishop Museum

*Gymnothorax fimbriatus*, darkspotted moray,  
30 cm TL (Chagos).



© PC Heemstra © NRF-SAIAB

*Gymnothorax flavimarginatus*, yellowmargin  
moray, 46 cm TL (South Africa).



© JF Randall, Bishop Museum

*Gymnothorax flavoculus*, yellow-eye moray,  
15 cm TL (Oman).



© JF Randall, Bishop Museum

*Gymnothorax hepaticus*, liverbrown moray,  
35 cm TL (Sudan).



© RW Winterbottom, ROM

*Gymnothorax herrei*, small brown moray,  
17 cm TL (Vietnam).



© SV Bogorodsky

*Gymnothorax javanicus*, giant moray, juvenile  
(Red Sea).



© J Swartepoel

*Gymnothorax johnsoni*, whitespotted moray,  
~1 m (South Africa).



© JF Randall, Bishop Museum

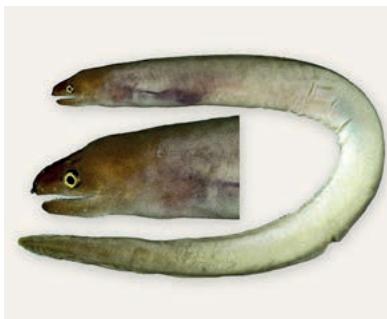
*Gymnothorax johnsoni*, whitespotted moray,  
33 cm TL (Gulf of Aqaba).



© PC Heemstra © NRF-SAIAB

*Gymnothorax johnsoni*, whitespotted moray,  
80+ cm TL (Red Sea).

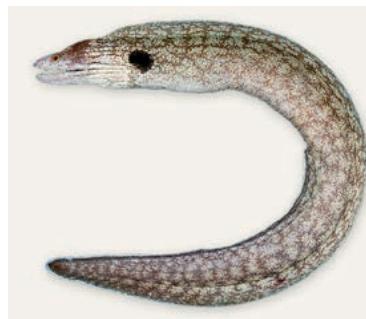
## Family MURAENIDAE, Moray eels



*Gymnothorax kontodontos*, short-tooth moray, 18 cm TL (Comoros).



*Gymnothorax margaritophorus*, blackpearl moray, 36 cm TL (South Africa).



*Gymnothorax megasplus*, largespot moray, 39 cm TL (Oman).



*Gymnothorax nudivomer*, yellow-mouth moray, 73 cm TL (Soudan Bank).



*Gymnothorax parini*, lichen moray (Walters Shoals).



*Gymnothorax phasmatodes*, ghost moray, 44 cm TL (Saudi Arabia).



*Gymnothorax phasmatodes*, ghost moray (South Africa).



*Gymnothorax pictus*, peppered moray, 51 cm TL (Seychelles).



*Gymnothorax pindae*, Pinda moray, 21 cm TL (Red Sea).

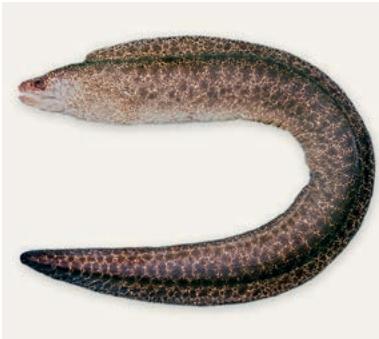


*Gymnothorax polyuranodon*, freshwater moray, 56 cm TL (Vanuatu).

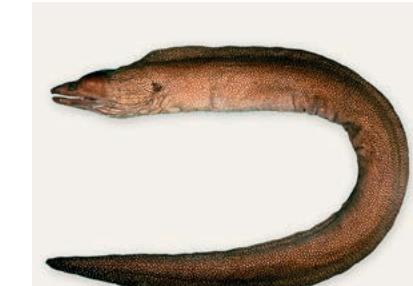


*Gymnothorax pseudoherrei*, false brown moray, 19 cm TL; head of 17-cm-TL specimen (both Red Sea).

## Family MURAENIDAE, Moray eels



*Gymnothorax pseudothyrsoideus*,  
false spotted moray, 46 cm TL (W India).

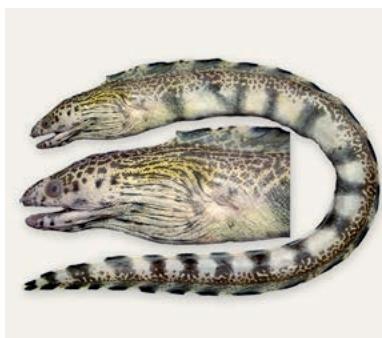


?*Gymnothorax punctatus*, dotted moray  
(Red Sea).



*Gymnothorax randalli*, broken bars moray,  
~40 cm TL (Red Sea).

© SV Bogorodsky



*Gymnothorax reticularis*, decorated moray,  
36 cm TL (Red Sea).



*Gymnothorax richardsonii*, spotted-lip moray,  
14 cm TL (Philippines).



*Gymnothorax robinsi*, dwarf moray,  
13 cm TL (S Mozambique).

PC Heemstra © NRF-SAIAB



*Gymnothorax robinsi*, dwarf moray,  
10 cm TL (Maldives).



*Gymnothorax thyroideus*, white-eyed moray,  
32 cm TL (Malaysia).



*Gymnothorax undulatus*, undulated moray,  
21 cm TL (Mauritius).

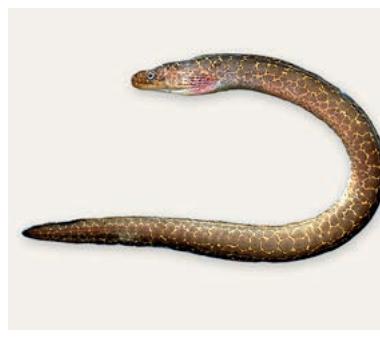
© JE Randall, Bishop Museum



*Gymnothorax undulatus*, undulated moray,  
75 cm TL (Red Sea).



*Gymnothorax elaineheemstrae*, leopard moray  
(South Africa). #

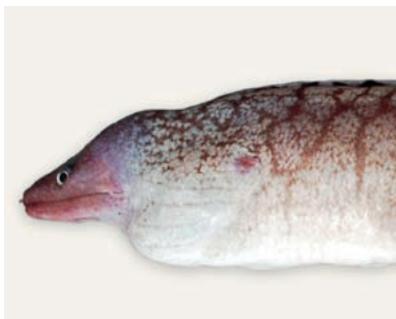


*Gymnothorax elaineheemstrae*, leopard moray  
(South Africa). #

PC Heemstra © NRF-SAIAB

# = no species account

## Family MURAENIDAE, Moray eels



*Gymnothorax ypsilon*, Y-barred moray,  
68 cm TL (Mascarene Ridge).



*Monopenchelys acuta*, redface moray,  
15 cm TL (Mauritius).



*Muraena helena*, Mediterranean moray  
(Aegean Sea).



*Pseudechidna brummeri*, white  
ribbon moray (S Mozambique).



*Rhinomuraena quaesita*, ribbon moray,  
?female (Indonesia).



*Rhinomuraena quaesita*, ribbon moray, male  
(South Africa).



*Rhinomuraena quaesita*, ribbon moray,  
juvenile (Mauritius).



*Scuticaria okinawae*, shorttailed  
snake moray (Hawaii).



*Scuticaria tigrina*, leopard reef-eel,  
51 cm TL (Seychelles).



*Strophidon sathete*, slender giant moray,  
28 cm TL (Taiwan).



*Uropterygius alboguttatus*, white-spotted  
reef-eel, 32 cm TL (Seychelles).



*Uropterygius alboguttatus*, white-spotted  
reef-eel, 21 cm TL (Seychelles).

## Family MURAENIDAE, Moray eels



© SV Bogorodsky

*Uropterygius concolor*, unicolor snake moray, 16 cm TL; head of 15-cm-TL specimen (both Eritrea).



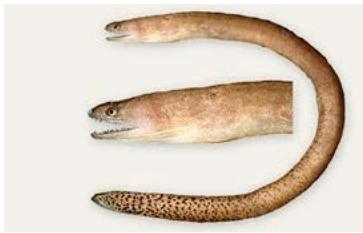
© SV Bogorodsky

*Uropterygius concolor*, unicolor snake moray (Red Sea).



© D Golani, HUJ

*Uropterygius genie*, toothy snake moray, 18 cm TL, preserved holotype (Red Sea).



© JE Randal, Bishop Museum

*Uropterygius fuscoguttatus*, brown-spotted reef-eel, 18 cm TL (Comoros).



R Bills © NRF-SARAB

*Uropterygius marmoratus*, marbled reef-eel, 49 cm TL (N Mozambique).



PC Heemstra © NRF-SARAB

*Uropterygius kamar*, bar-lip reef-eel, 21 cm TL (South Africa).



DG Smith © Smithsonian Institution

*Uropterygius macrocephalus*, longhead reef-eel, 14 cm TL (Gulf of Aqaba).



© K Hirooka

*Uropterygius micropterus*, short-finned reef-eel, 24 cm TL (Japan).



© SV Bogorodsky

*Uropterygius nagoensis*, blotchy reef-eel, 71 cm TL (Red Sea).



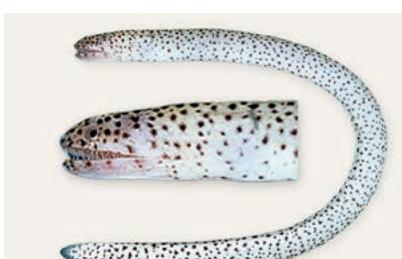
© JE Randal, Bishop Museum

*Uropterygius polypilus*, large-spotted reef-eel, 45 cm TL (Johnston Atoll).



© SV Bogorodsky

*Uropterygius polypilus*, large-spotted reef-eel (Red Sea).



© JE Randal, Bishop Museum

*Uropterygius supraforatus*, many-toothed reef-eel, 20.1 cm TL (Midway I.).



PC Heemstra © NRF-SARAB

*Uropterygius supraforatus*, many-toothed reef-eel, 30 cm TL (Comoros).



© R Winterbottom, ROM

*Uropterygius xanthopterus*, yellowtail snake moray, 19 cm TL (Comoros).

## Family MURAENIDAE, Moray eels



- 1 *Enchelynassa canina*, Indo-Pacific viper moray (Australia). 2 *Gymnothorax angusticauda*, narrowtail moray, 49 cm TL (Gulf of Aqaba).  
 3 *Gymnothorax enigmaticus*, black barred moray, 38 cm TL (Cocos [Keeling] Is.). 4 *Gymnothorax eurostus*, salt and pepper moray, 26 cm TL (South Africa).  
 5 *Gymnothorax favagineus*, honeycomb moray, (a) 55 cm TL (Mozambique),\* (b) 23 cm TL (South Africa). 6 *Gymnothorax flavimarginatus*, yellowmargin moray, 40 cm TL (South Africa). 7 *Gymnothorax fuscocomaculatus*, brownspotted moray, 13 cm TL (Comoros). 8 *Gymnothorax melatremus*, golden dwarf moray, (a) 15 cm TL, (b) 21 cm TL (both South Africa). 9 *Gymnothorax meleagris*, whitemouth moray, 61 cm TL (Comoros).  
 10 *Gymnothorax rueppelliae*, banded moray, 16 cm TL (Mauritius).

\* Source: CFSA

## Family MURAENIDAE, Moray eels



- 1** *Gymnothorax barani*, Aqaba moray, ~76 cm TL (Red Sea). **2** *Gymnothorax chilospilus*, lipspot moray, 20 cm TL (South Africa).\*  
**3** *Gymnothorax flavoculus*, yellow-eye moray, 40 cm TL (Oman). **4** *Gymnothorax intesi*, reticulate moray, 94 cm TL (Kiribati). **5** *Gymnothorax javanicus*, giant moray, (a) 16 cm TL (Red Sea), (b) 55 cm TL (Indonesia). **6** *Gymnothorax megaspilus*, largespotted moray, 39 cm TL (Oman). **7** *Gymnothorax phasmatodes*, ghost moray, 42 cm TL (Oman). **8** *Gymnothorax pseudoherreai*, false brown moray, 30 cm TL (Oman). **9** *Gymnothorax pseudothyroideus*, false spotted moray, 36 cm TL (Oman).

\* Source: CFSA

## Family MURAENIDAE, Moray eels



- 1** *Gymnothorax bueroensis*, latticetail moray, 14 cm TL (Comoros). **2** *Gymnothorax griseus*, geometric moray, 26 cm TL (Comoros).<sup>\*</sup>  
**3** *Gymnothorax johnsoni*, whitespotted moray, 24 cm TL (Gulf of Aqaba). **4** *Gymnothorax margaritophorus*, blackpearl moray, 25 cm TL (South Africa).  
**5** *Gymnothorax nudivomer*, yellow-mouth moray, (a) 32 cm TL, (b) head of a larger specimen (both South Africa). **6** *Gymnothorax pictus*, peppered moray, 51 cm TL (Seychelles). **7** *Gymnothorax pikei*, Pike's moray, 77 cm TL (Mauritius). **8** *Gymnothorax pindae*, Pinda moray, 16 cm TL (Rodrigues).  
**9** ?*Gymnothorax punctatus*, dotted moray, 82 cm TL (Red Sea). **10** *Gymnothorax zonipectis*, barred-fin moray, (a) 16 cm TL, (b) 6 cm TL (both South Africa).  
**11** *Gymnothorax* sp., 32 cm TL (South Africa). #

# = no species account

\* Source: CFSA

## Family MURAENIDAE, Moray eels



- 1** *Gymnothorax hansi*, short-tail chestnut moray, 101 cm TL, holotype (Comoros). **2** ?*Gymnothorax monochrous*, monochrome moray, 72 cm TL (Japan).  
**3** *Gymnothorax monostigma*, one-spot moray, 29 cm TL (Marquesas Is.). **4** *Gymnothorax pictus*, peppered moray, 18 cm TL (Chagos).  
**5** *Gymnothorax randalli*, broken bars moray, 33 cm TL (Indonesia). **6** *Gymnothorax sokotrensis*, Socotra moray, 45 cm TL, holotype (Socotra; colour from Kotthaus 1968). **7** *Gymnothorax thyroideus*, white-eyed moray, 32 cm TL (Malaysia). **8** *Gymnothorax undulatus*, undulated moray, 26 cm TL (Chagos).  
**9** *Gymnothorax* sp., 47 cm TL (Red Sea). # **10** *Scuticaria tigrina*, leopard reef-eel, 113 cm TL (Mauritius).

# = no species account

## Family CHLOPSIDAE, False morays



*Boehlkenchelys longidentata*, longtoothed false moray (WIO).

K.Tighe © Smithsonian Institution



*Kaupichthys atronasus*, black-nostil false moray, 8 cm TL (Red Sea).

© S Frankner SMF



*Kaupichthys atronasus*, black-nostil false moray, 15 cm TL (Red Sea).

© JE Randall, Bishop Museum



*Kaupichthys hyoproroides*, false moray, 12 cm SL (Rodrigues).

PC Heemstra © NRF-SAIAB



*Robinsia catherinae*, Catherine's false moray, ~20 cm TL (composite; Kenya; colour sourced from Kotthaus 1968).



*Xenoconger fryeri*, Fryer's false moray (Aldabra).

K.Tighe © Smithsonian Institution

## Family MORINGUIDAE, Spaghetti eels



*Moringua* sp., spaghetti eel, 23 cm TL, mature specimen, probably male (Kenya).

© JE Randall, Bishop Museum



*Moringua* sp., spaghetti eel, 36 cm TL, immature specimen, probably female (Rodrigues).

PC Heemstra © NRF-SAIAB

## Family ANGUILLIDAE, Freshwater eels



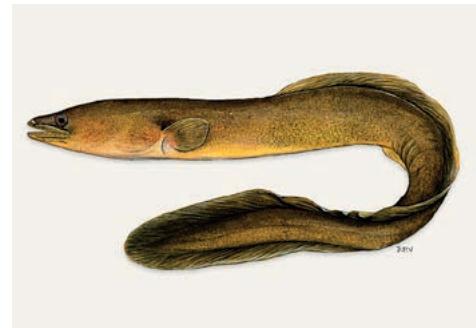
*Anguilla bengalensis*, African mottled eel, 78 cm TL (South Africa).



*Anguilla bicolor*, shortfin eel, 36 cm TL (South Africa).



*Anguilla marmorata*, Madagascar mottled eel, ~37 cm TL (South Africa).



*Anguilla mossambica*, African longfin eel, 35 cm TL (South Africa).

Source: Skelton 1993

Source: Skelton 1993

## Family CONRIDAE, Congers, garden eels



*Ariosoma fasciatum*, barred sand conger (Mauritius).



*Ariosoma sanzoi*, slender ariosoma, 19 cm TL (Red Sea).



*Ariosoma sanzoi*, slender ariosoma (Red Sea).

© V Bogorodsky



*Ariosoma scheelei*, dwarf ariosoma (Philippines).



*Conger cinereus*, moustache conger (S Mozambique).



*Conger cinereus*, moustache conger, 52 cm TL (Sudan).

© JE Randall, Bishop Museum

## Family CONRIDAE, Congers, garden eels



Conger sp., giant conger, 49 cm TL (Gough I.).

Source: CFSA



Gnathophis capensis, southern conger, 33 cm TL (S Namibia).



Gnathophis capensis, southern conger, 36 cm TL (South Africa).

© RW Leslie



Gorgasia klausewitzi, fringe-jaw garden eel (Mauritius).

© D Peltier



Gorgasia maculata, freckled garden eel, 43 cm TL (Maldives).

© JE Randall, Bishop Museum



Gorgasia preclara, banded garden eel, 13 cm TL (Maldives).

© JE Randall, Bishop Museum



Gorgasia sillneri, speckled garden eel (Red Sea).

© SV Bogorodsky



Gorgasia sillneri, speckled garden eel, 72 cm TL (Gulf of Aqaba).

PC Heemstra © NRF-SAIMA



Heteroconger balteatus, orange-spotted garden eel, 35 cm TL (Red Sea).

© JE Randall, Bishop Museum



Heteroconger hassi, black-blotched garden eel, 39 cm TL (South Africa).

© R Winterbottom, ROM



Rhynchoconger trewavasae, 56 cm TL (Red Sea). #

© D Golani, HUJI

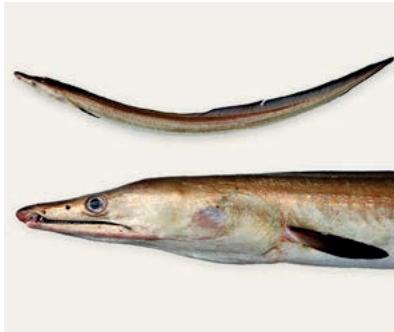


Uroconger sp., longtail conger, 40 cm TL (Red Sea).

© SV Bogorodsky

# = no species account

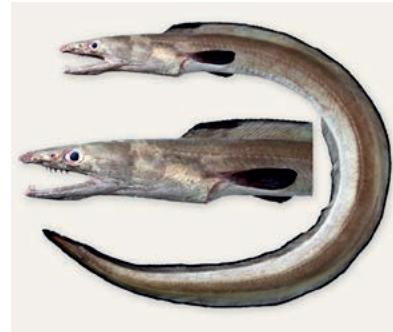
## Family MURAENESOCIDAE, Pike congers



*Muraenesox bagio*, common pike conger,  
120 cm TL (Mozambique).



*Muraenesox cinereus*, daggertooth pike  
conger, 41 cm TL (Kuwait).



*Muraenesox cinereus*, daggertooth pike  
conger, 50 cm TL (Red Sea).

© SV Bogorodsky

## Family MYROCONGRIDAE, Slope eels



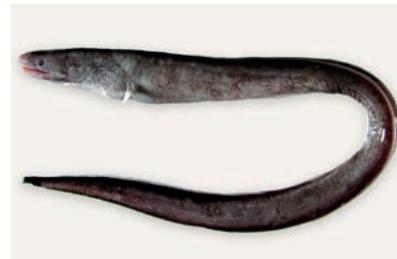
*Myroconger seychellensis*, Seychelles slope eel, 45 cm TL,  
mature female (Seychelles).

© E Karmoskaya

## Family SYNAPHOBRANCHIDAE, Cutthroat eels



*Dysomma anguillare*, shortbelly eel,  
~30 cm TL (Taiwan).



*Dysomma anguillare*, shortbelly eel, 37 cm TL  
(Taiwan).



*Dysomma dolichosomatum*, 23 cm TL  
(Taiwan).

© H-C Ho, NMMB-P



*Dysomma dolichosomatum*, 27 cm TL  
(Taiwan).



*Dysomma polycatodon*, 33 cm TL (Taiwan).

© H-C Ho, NMMB-P

## Family OPHICHTHIDAE, Snake-eels, sand-eels, worm-eels



*Apterichtus flavicaudus*, yellowtail sand-eel, 32 cm TL (Hawaii).

© J.F.Randall, Bishop Museum



*Apterichtus klazingai*, sharpsnout sand-eel, 18 cm TL (Fiji).

© R.Winterbottom, ROM



*Bascanichthys kirkii*, longtailed sand-eel, 35 cm TL (Taiwan).

© H.-C.Ho, NMMB-P



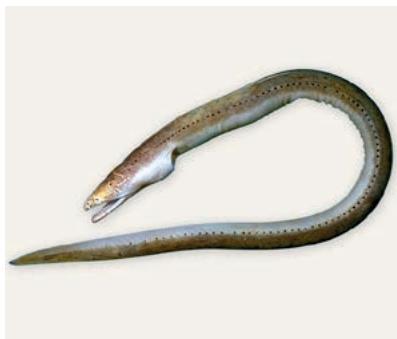
*Brachysomophis cirrocheilos*, smudged snake-eel, 125 cm TL (Indonesia).

© J.F.Randall, Bishop Museum



*Brachysomophis cirrocheilos*, smudged snake-eel (Indonesia).

© A.Ryansky



*Brachysomophis crocodilinus*, crocodile snake-eel, 44 cm TL (Rodrigues).

© C.Heemstra © NRF-SAIAB



*Brachysomophis henshawi*, reptilian snake-eel (Indonesia).

© A.Ryansky



*Brachysomophis henshawi*, reptilian snake-eel, 78 cm TL (Oman).

© J.F.Randall, Bishop Museum



*Callechelys catostoma*, blackstriped snake-eel, 54 cm TL (Marshall Is.).

© C.Heemstra © NRF-SAIAB



*Callechelys marmorata*, marbled snake-eel, 10 cm TL (Seychelles).

© C.Heemstra © NRF-SAIAB



*Callechelys marmorata*, marbled snake-eel (Red Sea).

© S.V.Bogorodsky



*Callechelys marmorata*, marbled snake-eel, 32 cm TL (Maldives).

© J.F.Randall, Bishop Museum

## Family OPHICHTHIDAE, Snake-eels, sand-eels, worm-eels



*Cirrhimuraena playfairii*, fringelip snake-eel, 24 cm TL (South Africa).

© JF Randall, Bishop Museum



*Echelus uropterus*, harelip snake-eel, 33 cm TL (Taiwan).

© H-C Ho, NMMB-P



*Ichthyapus vulturis*, vulture sand-eel, 21 cm TL (Hawaii).

© JF Randall, Bishop Museum



*Lamnostoma orientale*, oriental snake-eel, 21 cm TL (Indonesia).

© JF Randall, Bishop Museum



*Leiuranus semicinctus*, halfbanded snake-eel, 42 cm TL (Maldives).

© JF Randall, Bishop Museum



*Luthulenchelys heemstraorum*, bigeye snake-eel, 47 cm TL, holotype (South Africa).

© ST Fenner, OR/SAAMBR



*Muraenichthys schultzei*, bluntnose worm-eel, 9 cm TL (Eritrea).

© SV Bogorodsky



*Myrichthys colubrinus*, ringed snake-eel, 41 cm TL (Maldives).

© JF Randall, Bishop Museum



*Myrichthys maculosus*, spotted snake-eel, 44 cm TL (Mauritius).

© JF Randall, Bishop Museum



*Myrophis microchir*, olive worm-eel, 7 cm TL (Saudi Arabia).

© SV Bogorodsky



*Neenchelys buitendijki*, fintail worm-eel, 24 cm TL (Malaysia).

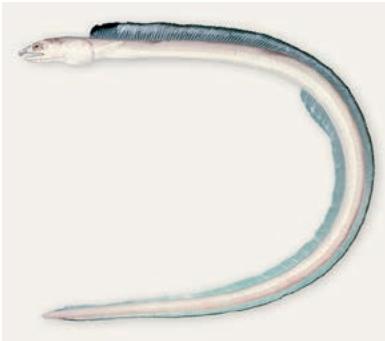
© H-C Ho, NMMB-P



*Neenchelys cheni*, backfin worm-eel, 35 cm TL (Vietnam).

© H-C Ho, NMMB-P

## Family OPHICHTHIDAE, Snake-eels, sand-eels, worm-eels



*Ophichthus altipennis*, highfin snake-eel, 46 cm TL, subadult (Marshall Is.).

© J.F.Randall, Bishop Museum



*Ophichthus altipennis*, highfin snake-eel, 103 cm TL, adult (Indonesia).

© J.F.Randall, Bishop Museum



*Ophichthus apicalis*, bluntnose snake-eel, 45 cm TL (Vietnam).

© R.Winterbottom, ROM



*Ophichthus bonaparti*, brownsaddled snake-eel (Indonesia).

© A.Ryanskiy



*Ophichthus bonaparti*, brownsaddled snake-eel (Philippines).

© A.Ryanskiy



*Ophichthus cephalozona*, darkshoulder snake-eel, 112 cm TL (Fiji).

© J.F.Randall, Bishop Museum



*Ophichthus cephalozona*, darkshoulder snake-eel (Philippines).

© A.Ryanskiy



*Ophichthus erabo*, blotched snake-eel, 61 cm TL (South Africa).

© A.R.Thorpe



*Ophichthus macrochir*, bigfin snake-eel, 33 cm SL (Taiwan).

© P.F.Lee, C-Y.Tsai, ASJZ



*Ophichthus marginatus*, plain snake-eel, 80 cm TL (Mozambique).

© Alveheim © IMR



*Ophichthus polyophthalmus*, many-eyed snake-eel, 50 cm TL (S Mozambique).

Source: SSF



*Ophichthus polyophthalmus*, many-eyed snake-eel (Indonesia).

© A.Ryanskiy

## Family OPHICHTHIDAE, Snake-eels, sand-eels, worm-eels



*Ophisurus serpens*, serpent snake-eel,  
27 cm TL (Comoros).



*Phyllophichthus xenodontus*, flapnose  
snake-eel, 28 cm TL (Rodrigues).



*Phyllophichthus xenodontus*, flapnose snake-eel,  
22 cm TL (Seychelles).



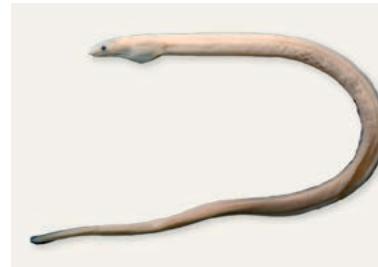
*Pisodonophis boro*, estuary snake-eel, 7 cm TL (Mozambique).



*Pisodonophis cancrivorus*, longfin snake-eel  
(Indonesia).



*Schultzidium johnstonensis*, tinyteeth worm-eel, 7 cm TL (Chagos).



*Schultzidium retropinnis*, velvet-tooth  
worm-eel, 10 cm TL (Palau).



*Scolecenchelys erythraeensis*, pale worm-eel,  
14 cm TL (Red Sea).



*Scolecenchelys gymnota*, slender worm-eel,  
9 cm SL (South Africa).



*Scolecenchelys laticaudata*, redfin worm-eel,  
14 cm TL (Red Sea).

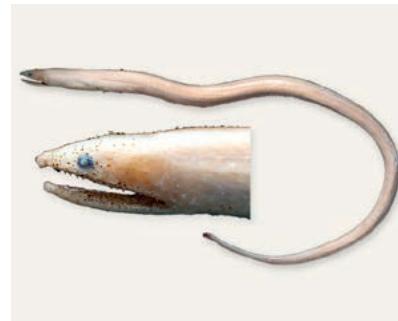
## Family OPHICHTHIDAE, Snake-eels, sand-eels, worm-eels



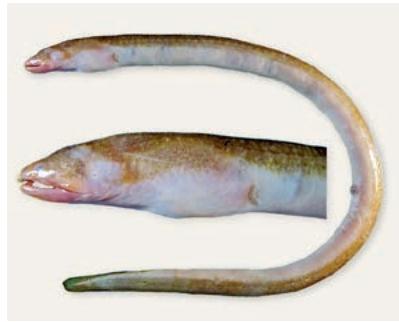
*Scolecenchelys macroptera*, longfin worm-eel (Philippines).



*Scolecenchelys xorae*, orangeheaded worm-eel, 25 cm TL, preserved specimen (South Africa).



*Skythrenchelys macrostoma*, large-mouthed angry worm-eel, 17 cm TL, holotype of *S. lentiginosa* (Red Sea).



*Skythrenchelys zebra*, glutinous worm-eel, ~30 cm TL (Taiwan).



*Xestochilus nebulosus*, cloudy sand-eel (Indonesia).



*Xyrias revulsus*, freckled snake-eel, 74 cm TL (Taiwan).



*Yirrkala misolensis*, Misol sand-eel, 48 cm TL (Taiwan).



*Yirrkala tenuis*, thin sand-eel, 32 cm TL (Seychelles).

© A. Ryanskiy

© H-C Ho, NMMB-P

PC Heemstra © NRF-SAfAB

## Family CLUPEIDAE, Herrings, sardines, pilchards, shads

*Amblygaster indiana*, Indian sardinella, 21 cm SL (SW India).*Amblygaster leiogaster*, smoothbelly sardinella, 18 cm SL (Indonesia).

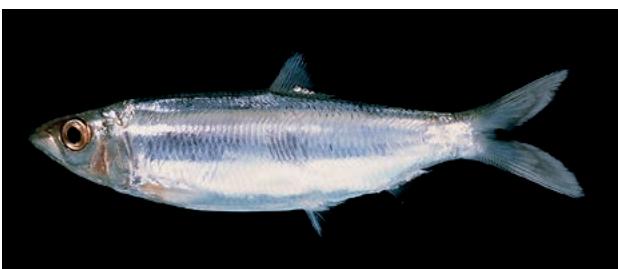
© S Kimura, FRLM

*Amblygaster sirm*, gold-spotted sardinella (Red Sea).

© SV Bogorodsky

*Anodontostoma chacunda*, Chacunda gizzard shad, 11 cm SL (W India).

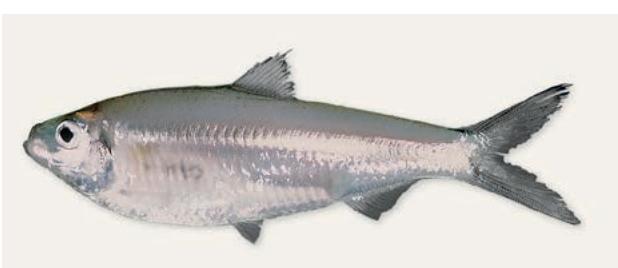
© JE Randall, Bishop Museum

*Dussumieria acuta*, rainbow sardine, 11 cm SL (Oman).

© JE Randall, Bishop Museum

*Dussumieria elopsoides*, slender rainbow sardine, 17 cm TL (Mozambique).

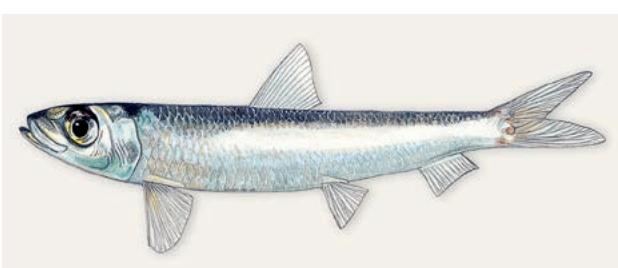
© Alvhelm © IMR

*Escualosa thoracata*, white sardine, 8 cm SL (W India).

© JE Randall, Bishop Museum

*Etrumeus golani*, Red Sea roundherring, 21 cm SL (Cyprus).

© D Darim, HUJ

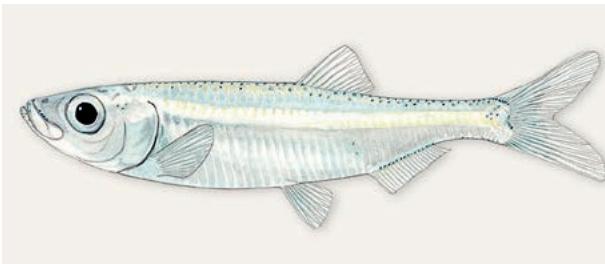
*Etrumeus whiteheadi*, redeye roundherring, 22 cm TL (South Africa).

Source: CESA

*Etrumeus wongratnai*, east-coast roundherring, 17 cm SL, holotype (South Africa).

© S Chater, ORI/SAAMBR

## Family CLUPEIDAE, Herrings, sardines, pilchards, shads

*Gilchristella aestuaria*, estuarine roundherring, 4 cm TL (South Africa).

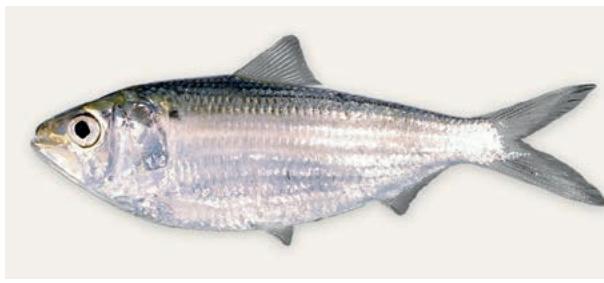
Source: CFSA

*Herklotichthys lossei*, Gulf herring, 7 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

*Herklotichthys quadrimaculatus*, bluestripe herring, 10 cm SL (Red Sea).

© SVBogodetsky

*Hilsa kelee*, kelee shad, 12 cm SL (S Mozambique).

PC Heemstra © NRF-SAIAB

*Nematalosa arabica*, Arabian gizzard shad, 14 cm SL (Oman).

© JE Randall, Bishop Museum

*Nematalosa nasus*, Bloch's gizzard shad, 16 cm SL (Bahrain).

© JE Randall, Bishop Museum

*Sardinella albella*, white sardinella, 13 cm SL (S Mozambique).

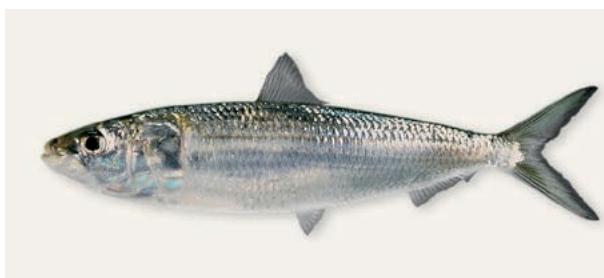
PC Heemstra © NRF-SAIAB

*Sardinella fimbriata*, fringescale sardinella, 14 cm SL (Thailand).

© SKimura, FRLM

*Sardinella gibbosa*, goldstripe sardinella, 9 cm SL (Bahrain).

© JE Randall, Bishop Museum

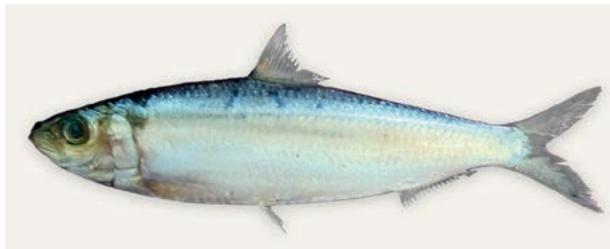
*Sardinella longiceps*, Indian oil sardine, 14 cm SL (SW India).

© JE Randall, Bishop Museum

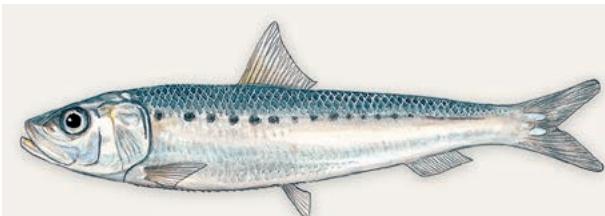
## Family CLUPEIDAE, Herrings, sardines, pilchards, shads

*Sardinella melanura*, blacktip sardinella, 6 cm SL (Japan).

© S. Kimura, FRLM

*Sardinella sindenensis*, Sind sardinella, ~16 cm SL (Pakistan).

© HB Osmany

*Sardinops sagax*, pilchard, 18 cm TL (South Africa).

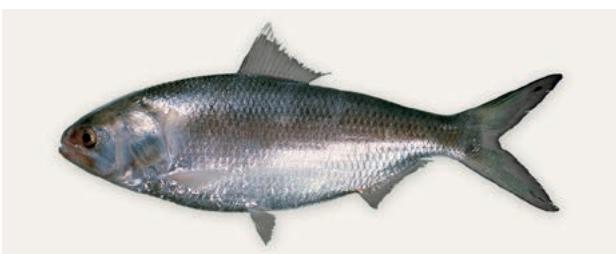
Source: CFSA

*Spratelloides gracilis*, silver-stripe roundherring, 7 cm SL (Japan).

© S. Kimura, FRLM

*Spratelloides delicatulus*, delicate roundherring, 4 cm SL (Oman).

© JE Randall, Bishop Museum

*Tenualosa ilisha*, Hilsa shad, 22 cm SL (Kuwait).

© JE Randall, Bishop Museum

*Tenualosa toli*, toli shad, 21 cm SL (SW India).

© JE Randall, Bishop Museum

*Ilisha compressa*, thin ilisha, 23 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

*Ilisha megaloptera*, bigfin ilisha, 12 cm SL (Thailand).

© S. Ratnangkhwang, ACRSD

## Family PRISTIGASTERIDAE, ilishes

*Ilisha compressa*, thin ilisha, 23 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

*Ilisha megaloptera*, bigfin ilisha, 12 cm SL (Thailand).

© S. Ratnangkhwang, ACRSD

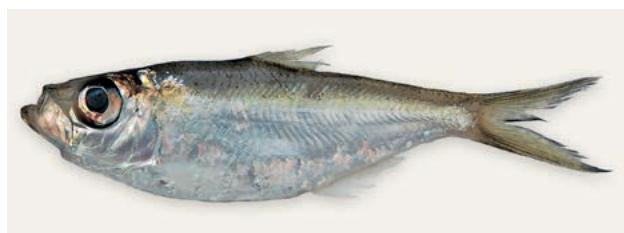
## Family PRISTIGASTERIDAE, Ilishas

*Ilisha sirishai*, lobejaw ilisha, 28 cm TL (Oman).

© J.F. Randall, Bishop Museum

*Opisthophterus tardoore*, tardoore, 9 cm SL (Thailand).

© S. Hartmuangkhwang, ACSD

*Pellona ditchela*, Indian pellona, 12 cm TL (Mozambique).

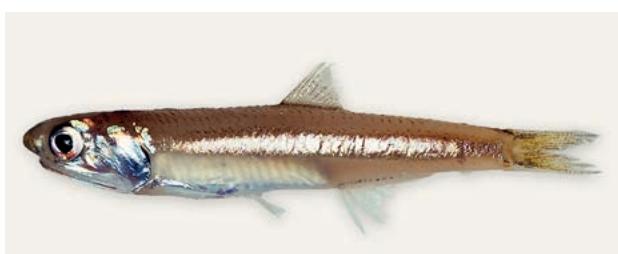
O. Alvesheim © IMR

*Coilia dussumieri*, gold-spotted grenadier anchovy, 12 cm SL (Malaysia).

© S. Kimura, FRLM

*Coilia grayii*, Gray's grenadier anchovy, 15 cm SL (Vietnam).

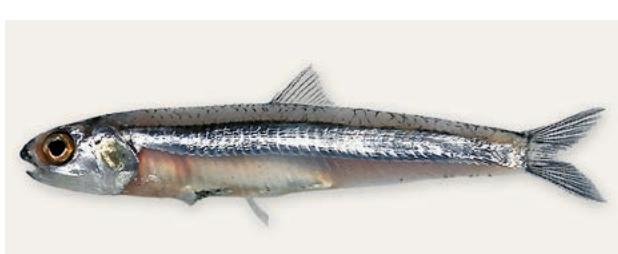
© S. Kimura, FRLM

*Encrasicholina devisi*, De Vis's anchovy, 5 cm SL (Philippines).

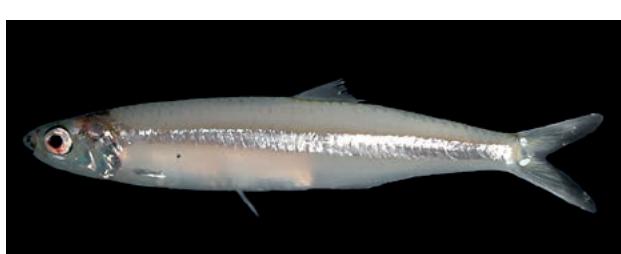
© S. Kimura, FRLM

*Encrasicholina heteroloba*, shorthead anchovy, 7 cm SL (Indonesia).

© S. Kimura, FRLM

*Encrasicholina punctifer*, buccaneer anchovy, 6 cm SL (Persian/Arabian Gulf).

© J.F. Randall, Bishop Museum

*Engraulis capensis*, Cape anchovy, 13 cm SL (Mozambique).

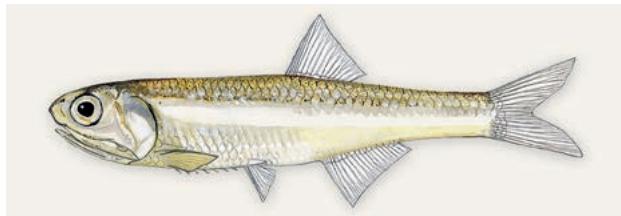
P.C. Hemstra © NRI-SAIAB

## Family ENGRAULIDAE, Anchovies



*Stolephorus commersonii*, Commerson's anchovy, 9 cm SL (W India).

© JE Randall, Bishop Museum



*Stolephorus holodon*, thorny anchovy, 8 cm TL.

Source: CFSA



*Stolephorus indicus*, Indian anchovy, 12 cm SL (Mozambique).

PC Heemstra © NPF-SAAB



*Stolephorus insularis*, Hardenberg's anchovy, 10 cm SL (Thailand).

© S Kimura, FRLM



*Stolephorus waitei*, spotty-face anchovy, 7 cm SL (Indonesia).

© S Kimura, FRLM



*Thryssa baelama*, Baelama anchovy, 10 cm SL (Sudan).

© JE Randall, Bishop Museum



*Thryssa dussumieri*, Dussumier's anchovy, 5 cm SL (Vietnam).

© S Kimura, FRLM



*Thryssa hamiltonii*, Hamilton's anchovy, 18 cm SL (Kuwait).

© JE Randall, Bishop Museum



*Thryssa malabarica*, Malabar anchovy, 11 cm SL (India).

© P Devapalli, MNSC



*Thryssa mystax*, moustached anchovy, 8 cm SL (Vietnam).

© S Kimura, FRLM



*Thryssa polybranchialis*, humphead anchovy, 13 cm SL (W India).

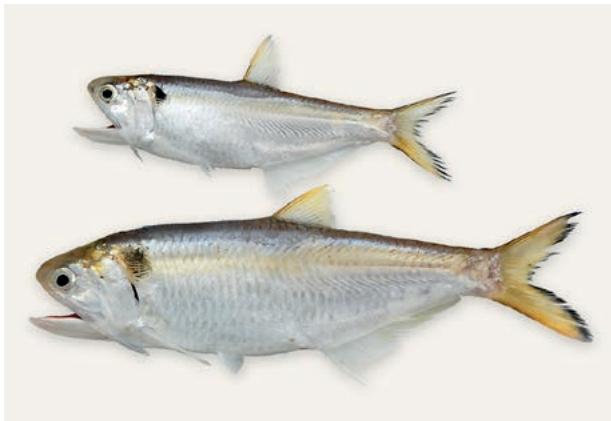
© JE Randall, Bishop Museum



*Thryssa setirostris*, long-jaw anchovy, 11 cm TL (Mozambique).

O Alvhheim © IMR

## Family ENGRAULIDAE, Anchovies



*Thryssa vitrirostris*, orange-mouth anchovy, 13 cm TL and 18 cm TL (Mozambique).

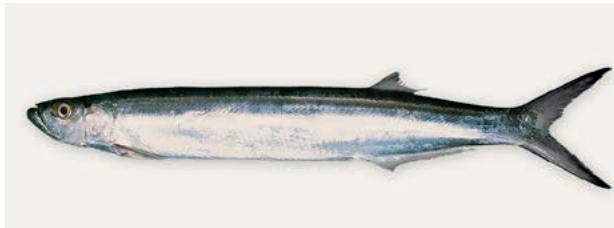
© Alvheim © IMR



*Thryssa whiteheadi*, Whitehead's anchovy, 21 cm SL (Persian/Arabian Gulf).

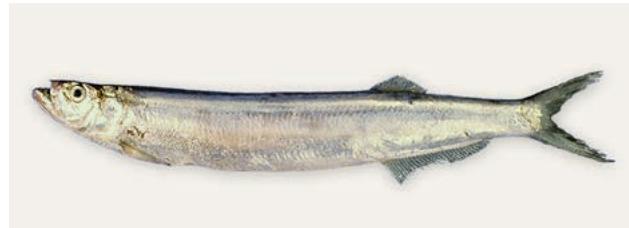
© JE Randall, Bishop Museum

## Family CHIROCENTRIDAE, Wolf-herrings



*Chirocentrus dorab*, black-edged wolf-herring, 34 cm SL (SW India).

© JE Randall, Bishop Museum



*Chirocentrus nudus*, pale-fin wolf-herring, 32 cm SL (Mozambique).

PC Heemstra © NRM-SAAB

## Family GONORYNCHIDAE, Beaked sandfishes



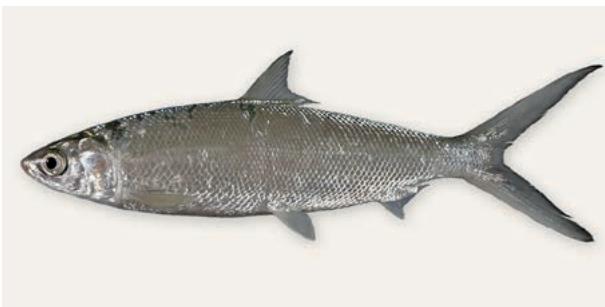
*Gonorynchus gonorynchus*, beaked sandfish, 26 cm TL (Mozambique).

© Alvheim © IMR



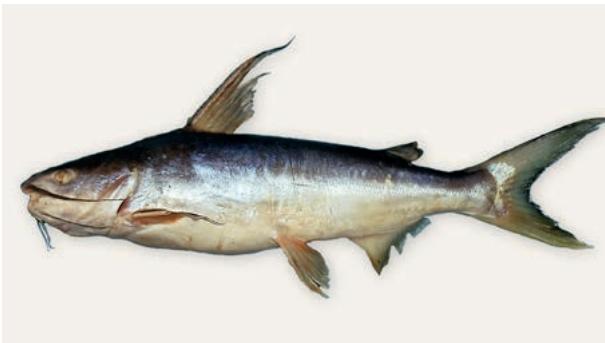
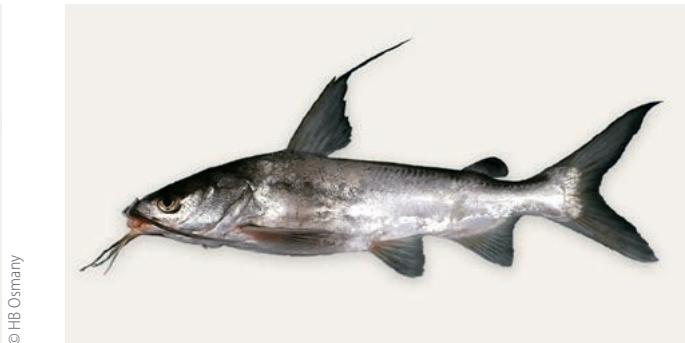
*Gonorynchus gonorynchus*, beaked sandfish, 34 cm TL (Mozambique).

© Alvheim © IMR

Family **CHANIDAE**, Milkfish*Chanos chanos*, milkfish, 29 cm SL (Qatar).*Chanos chanos*, milkfish (Red Sea).

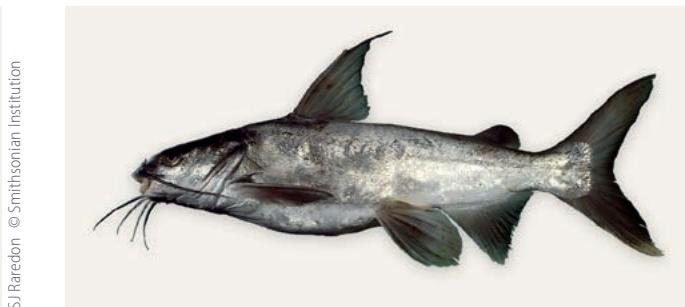
© SV Bogorodsky

© SV Bogorodsky

Family **ARIIDAE**, Sea catfishes*Arius arius*, threadfin sea catfish, 20 cm SL (Pakistan).*Arius jella*, blackfin sea catfish, 17 cm SL (W India).

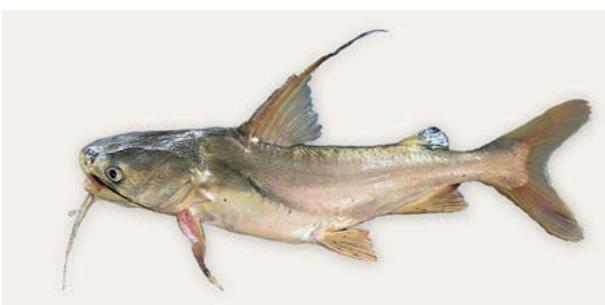
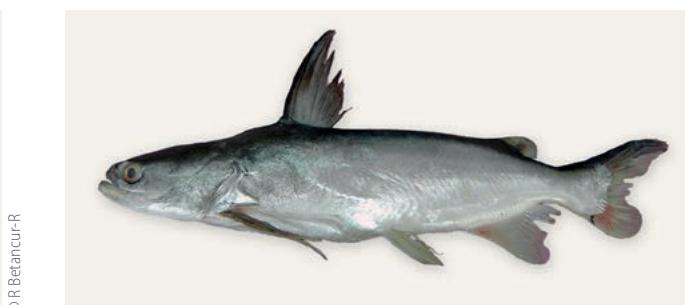
© HB Osmany

© JE Randall, Bishop Museum

*Arius macronotacanthus*, large-spined sea catfish, 30 cm SL (India).*Arius maculatus*, spotted sea catfish, 19 cm SL (SW India).

© JF Herre &amp; S. Smithsonian Institution

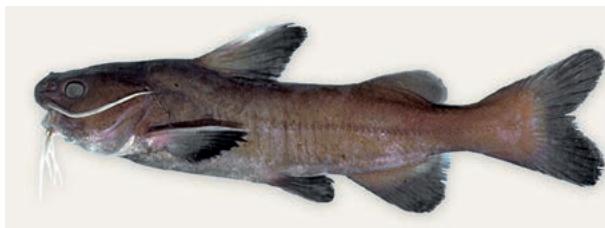
© JE Randall, Bishop Museum

*Arius nenga*, Nenga sea catfish (Indonesia).*Batrachoides mino*, frog-headed catfish, 27 cm SL (Pakistan).

© R Betancur-R

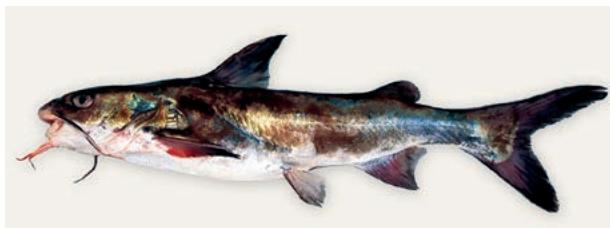
© HB Osmany

## Family ARIIDAE, Sea catfishes



*Galeichthys ater*, black sea catfish, 14 cm SL (South Africa).

PC Heemstra © NRF-SAIAB



*Galeichthys feliceps*, white sea catfish, 25 cm FL (South Africa).

PC Heemstra © NRF-SAIAB



*Galeichthys feliceps*, white sea catfish, 34 cm TL (South Africa).

O Alhheim © IMR



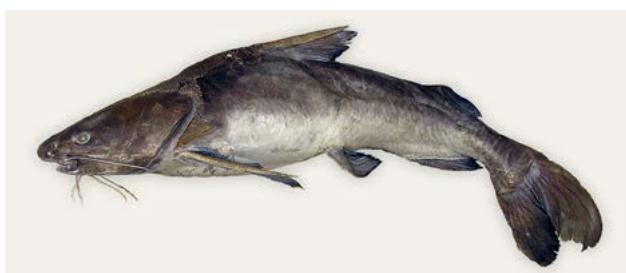
*Galeichthys troworum*, Natal sea catfish, 35 cm SL, paratype (South Africa).

PC Heemstra © NRF-SAIAB



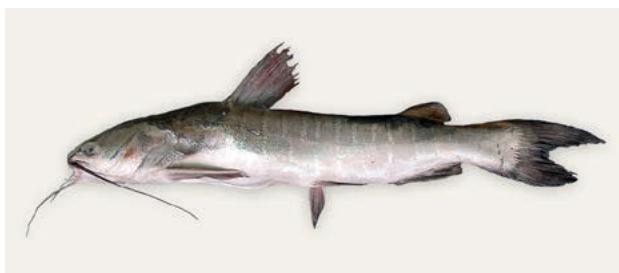
*Galeichthys troworum*, Natal sea catfish (South Africa).

PC Heemstra © NRF-SAIAB



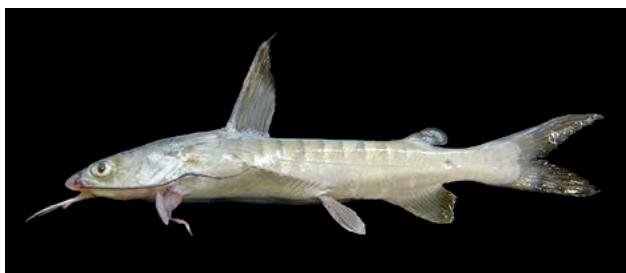
*Hemiarius sona*, Sona sea catfish, 48 cm SL (Singapore).

© RMBI



*Hexanematicthys sagor*, Sagor sea catfish (Indonesia).

© R Betancur-R



*Hexanematicthys sagor*, Sagor sea catfish, 11 cm SL (Thailand).

© S Ratmuangkhwong, ACRSID



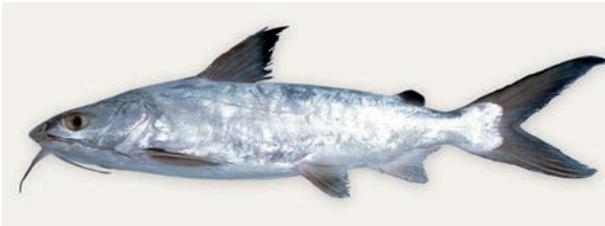
*Netuma bilineata*, bronze sea catfish, 23 cm TL (Myanmar).

O Alhheim © IMR



*Netuma bilineata*, bronze sea catfish (Yemen).

## Family ARIIDAE, Sea catfishes



© JE Randall, Bishop Museum

*Netuma thalassina*, giant sea catfish, 19 cm SL (Persian/Arabian Gulf).

© SV Bogorodsky

*Netuma thalassina*, giant sea catfish, 21 cm SL (Red Sea).

© R Betancur-R

*Osteogeneiosus militaris*, soldier catfish (Indonesia).

© Alvheim © IMR

*Plicofollis dussumieri*, blacktip sea catfish, 21 cm TL (N Mozambique).

© JE Randall, Bishop Museum

*Plicofollis layardi*, thin-spine sea catfish, 16 cm SL (Persian/Arabian Gulf).

© R Betancur-R

*Plicofollis tonggol*, roughback sea catfish (Indonesia).

## Family PLOTOSIDAE, Eel-catfishes



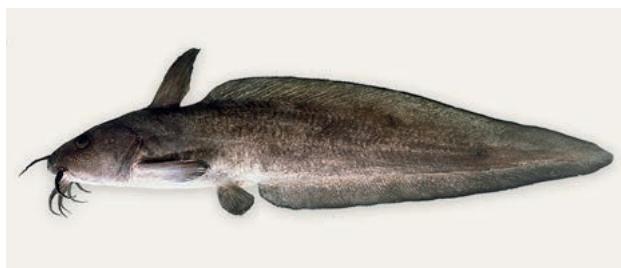
© JE Randall, Bishop Museum

*Plotosus canius*, gray eel-catfish, 25 cm TL (W Australia).

© R Field

*Plotosus limbatus*, darkfin eel-catfish (Arabian Sea).

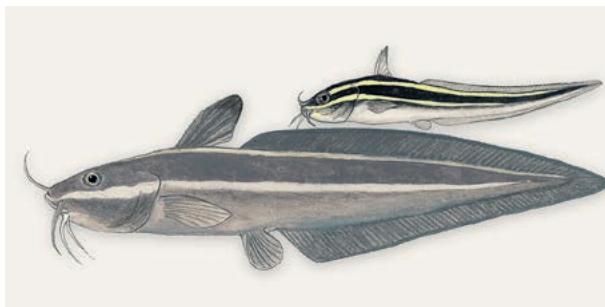
© R Field

*Plotosus limbatus*, darkfin eel-catfish, juvenile (Oman).

© JE Randall, Bishop Museum

*Plotosus limbatus*, darkfin eel-catfish, 28 cm TL (W India).

## Family PLOTSIDAE, Eel-catfishes



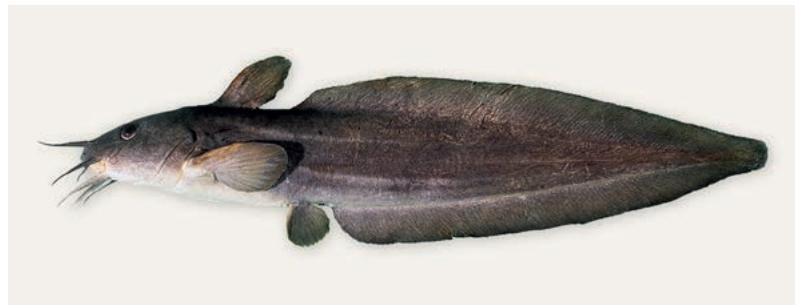
*Plotosus lineatus*, striped eel-catfish, 6 cm TL, juvenile (Comoros); 18 cm TL, adult (Mauritius).

Source: CFSA



*Plotosus lineatus*, striped eel-catfish, juveniles (South Africa).

© V Fraser



*Plotosus nkunga*, stinging eel-catfish, 40 cm TL (South Africa).

© JE Randall, Bishop Museum



*Argentina eichus*, smooth argentine, 14 cm TL (Mozambique).

O Alvheim © IMR



*Glossanodon mildredae*, spotbreast argentine, 12 cm SL (Mozambique).

PC Heemstra © NRIF-SAIAB

## Family ALEPOCEPHALIDAE, Smooth-heads



*Xenodermichthys copei*, bluntnose smooth-head, 14 cm TL (Mozambique).

O Alvheim © IMR

## Family CHLOROPHTHALMIDAE, Greeneyes



*Chlorophthalmus acutifrons*, humpback greeneye, 24 cm SL (NW Australia).

© M Gomon, NMV



*Chlorophthalmus corniger*, spinyjaw greeneye, 10 cm SL (SW India).

KV Akhilesh © CMFR



*Chlorophthalmus punctatus*, spotted greeneye (South Africa).

© NRF-SAIAB



*Chlorophthalmus punctatus*, spotted greeneye, 19 cm TL (South Africa).

O Alvhheim © IMR



*Chlorophthalmus* sp., 19 cm TL (Mozambique).

O Alvhheim © IMR



*Chlorophthalmus vityazi*, 15 cm SL (N Mozambique).

PC Heemstra © IMR-SAIAB

## Family SYNODONTIDAE, Lizardfishes



*Harpodon nehereus*, Bombay duck (SW India).

KV Akhilesh © CMFR



*Saurida golanii*, Golani's lizardfish, 28 cm SL, holotype (Red Sea).

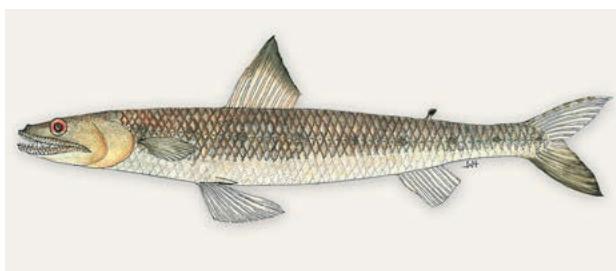
© D Darom HUJ

Family **SYNODONTIDAE**, Lizardfishes*Saurida gracilis*, graceful lizardfish, 7 cm SL (Comoros).

PC Heemstra © NRF-SAIAB

*Saurida gracilis*, graceful lizardfish, 15 cm SL (Sudan).

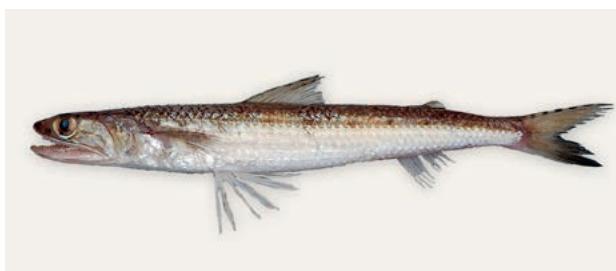
© JE Randall, Bishop Museum

*Saurida lessepsianus*, Lessepsian lizardfish, 31 cm TL (South Africa).

Source: SSF

*Saurida lessepsianus*, Lessepsian lizardfish, 28 cm SL (Gulf of Suez).

© SV Bogorodsky

*Saurida lessepsianus*, Lessepsian lizardfish, 23 cm TL (Mozambique).

O Alvhheim © IMR

*Saurida lessepsianus*, Lessepsian lizardfish, 21 cm SL (Madagascar).

E Heemstra © NRF-SAIAB/AV2010

*Saurida nebulosa*, clouded lizardfish, 4 cm SL (Comoros).

PC Heemstra © NRF-SAIAB

*Saurida nebulosa*, clouded lizardfish, 12 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB

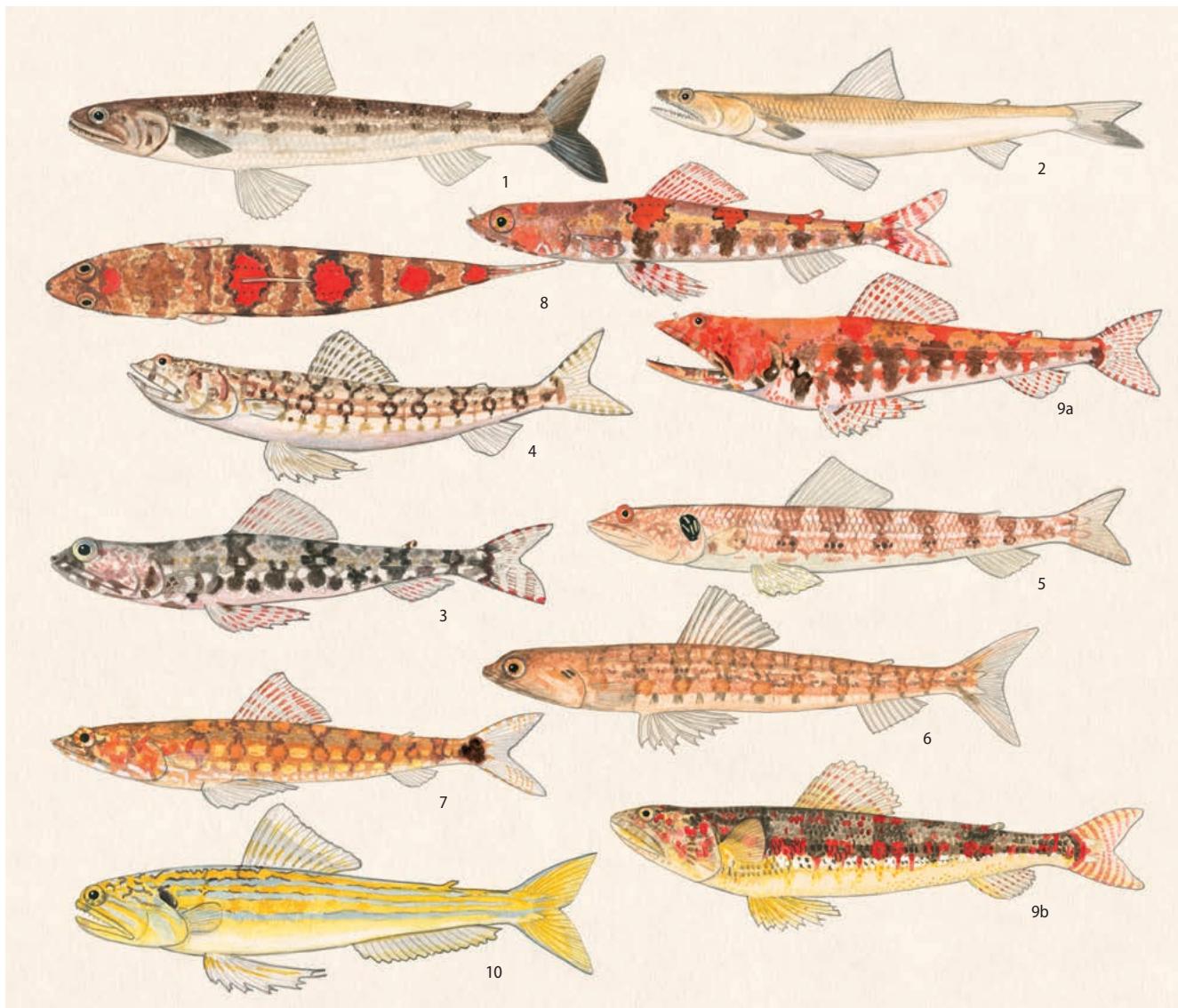
*Saurida tumbil*, greater lizardfish, 29 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

*Saurida tumbil*, greater lizardfish, 25 cm SL (Saya de Malha Bank).

O Alvhheim © IMR

## Family SYNODONTIDAE, Lizardfishes



**1** *Saurida lessepsianus*, Lessepsian lizardfish, 20 cm SL (Mozambique).\* **2** *Saurida tumbil*, greater lizardfish, 23 cm TL (South Africa). **3** *Synodus binotatus*, two-spot lizardfish, 5 cm SL (Mauritius). **4** *Synodus dermatogenys*, sand lizardfish, 15 cm SL (Comoros). **5** *Synodus hoshinonis*, blackear lizardfish, 9 cm SL (Mozambique). **6** *Synodus indicus*, Indian lizardfish, 11 cm SL (South Africa).\* **7** *Synodus jaculum*, javelin lizardfish, 11 cm SL (South Africa). **8** *Synodus rubromarmoratus*, red-marbled lizardfish, 5 cm SL (South Africa). **9** *Synodus variegatus*, variegated lizardfish, **(a)** 14 cm SL, **(b)** 30 cm TL (both South Africa).\* **10** *Trachinocephalus trachinus*, Indo-Pacific bluntnose lizardfish, ~14 cm SL (Mozambique).\*



R Palmer © NRF-SAIAB

*Synodus randalli*, Randall's lizardfish (South Africa).

\* Source: CFSA

Family **SYNODONTIDAE**, Lizardfishes*Synodus dermatogenys*, sand lizardfish (Red Sea).

© SV Bogorodsky

*Synodus indicus*, Indian lizardfish (South Africa).

© DR King

*Synodus randalli*, Randall's lizardfish, 13 cm SL (Tanzania).

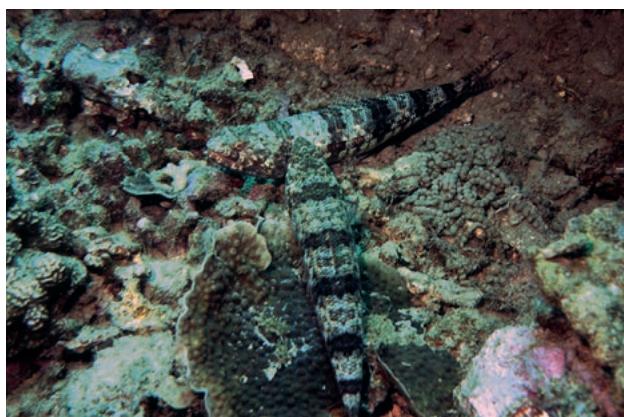
© NFR-SAIAB

*Synodus randalli*, Randall's lizardfish, 11 cm SL (Sudan).

© JF Randal, Bishop Museum

*Synodus usitatus*, ordinary lizardfish, 12 cm SL (Hawaii).

© JE Randall, Bishop Museum

*Synodus variegatus*, variegated lizardfish (Madagascar).

© PC Heemstra © NFR-SAIAB

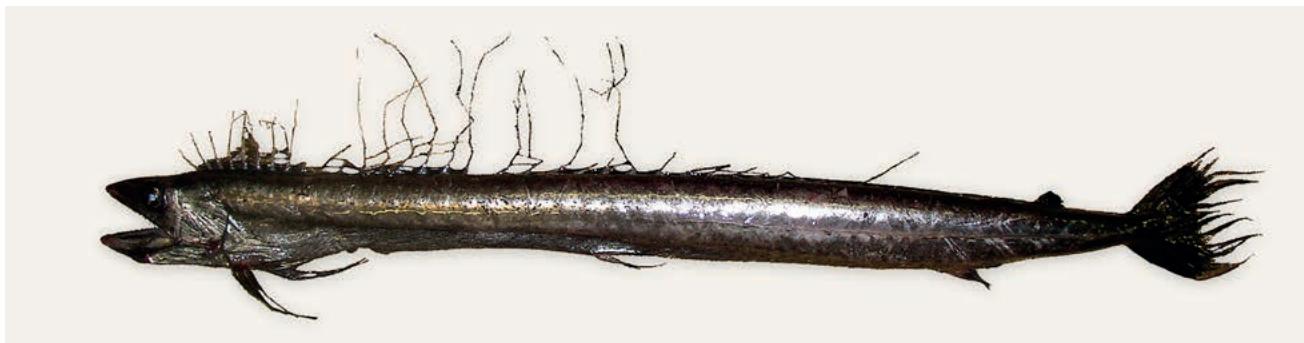
*Trachinocephalus trachinus*, Indo-Pacific bluntnose lizardfish, 12 cm SL (Red Sea).

© SV Bogorodsky

*Trachinocephalus trachinus*, Indo-Pacific bluntnose lizardfish, 14 cm SL (S Mozambique).

© PC Heemstra © NFR-SAIAB

## Family ALEPISAURIDAE, Lancetfishes

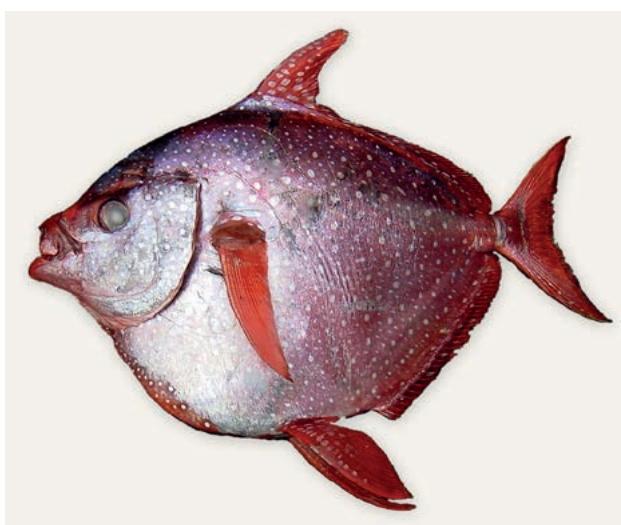


*Alepisaurus brevirostris*, shortsnout lancetfish, 98 cm TL (Irminger Sea).



*Alepisaurus ferox*, longsnout lancetfish, 71 cm SL (Comoros).

## Family LAMPRIDAE, Opahs



*Lampris guttatus*, spotted opah, 118 cm SL (South Africa).

AD Connell © NRE SAAB



*Lampris immaculatus*, southern opah, 82 cm SL (Kerguelen Is.).

source: FSO

## Family VELIFERIDAE, Velifers



*Metavelifer multiradiatus*, spotted velifer (Australia).



*Velifer hypselopterus*, sailfin velifer, 15 cm TL (Saya de Malha Bank).

O Alvhheim © IMR/VASCLME



*Velifer hypselopterus*, sailfin velifer, juvenile (South Africa).

W Holleman © NRF-SALAB

## Family LOPHOTIDAE, Crestfishes



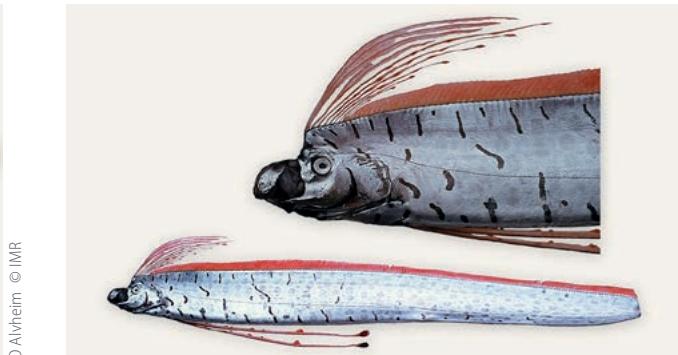
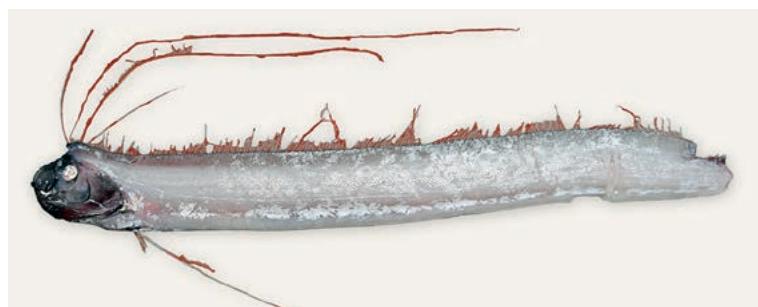
*Eumecichthys fiski*, unicorn crestfish, 50 cm TL (São Tomé).



*Lophotus cristatus*, silver crestfish, 123 cm TL (South Africa).

© I Wyneß

## Family REGALECIDAE, Oarfishes

*Agrostichthys parkeri*, streamer fish, 60 cm TL (South Africa).*Regalecus glesne*, coldwater oarfish, 143 cm TL (South Africa).*Regalecus russelli*, warmwater oarfish, 60 cm TL (S Mozambique).

PC Heemstra © NFR-SAIAB

O Alvhheim © IMR

*Desmodema polystictum*, polkadot ribbonfish, 22 cm TL (South Africa).*Trachipterus trachypterus*, peregrine ribbonfish, 200 cm TL (Atlantis Seamount).

O Alvhheim © IMR

O Alvhheim © IMR

*Trachipterus trachypterus*, peregrine ribbonfish, 50 cm TL, juvenile (South Africa).*Zu cristatus*, scalloped ribbonfish, 33 cm SL, juvenile (South Africa).

© B Bowen

© S Chater, ORV SAAMBR

## Family TRACIPTERIDAE, Ribbonfishes



O Alvheim © IMR

Zu cristatus, scalloped ribbonfish, 54 cm TL, juvenile (South Africa).



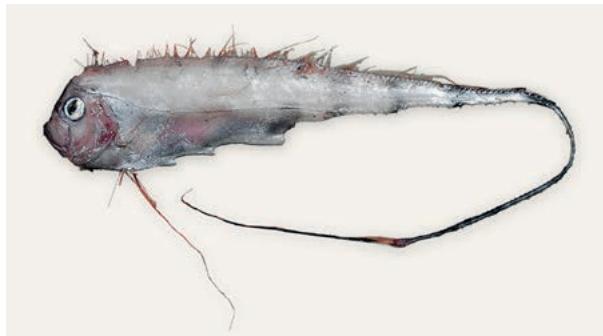
P.C. Heemstra © NRI-SAIAB

Zu cristatus, scalloped ribbonfish, 95 cm SL, adult (Kenya).



O Alvheim © IMR

Zu elongatus, tapertail ribbonfish, 106 cm SL (South Africa).



O Alvheim © IMR

Zu elongatus, tapertail ribbonfish, 83 cm TL, juvenile (South Africa).

## Family POLYMIKIIDAE, Beardfishes



P.C. Heemstra © NRI-SAIAB

Polymixia berndti, Indo-Pacific beardfish, 17 cm SL (S Mozambique).

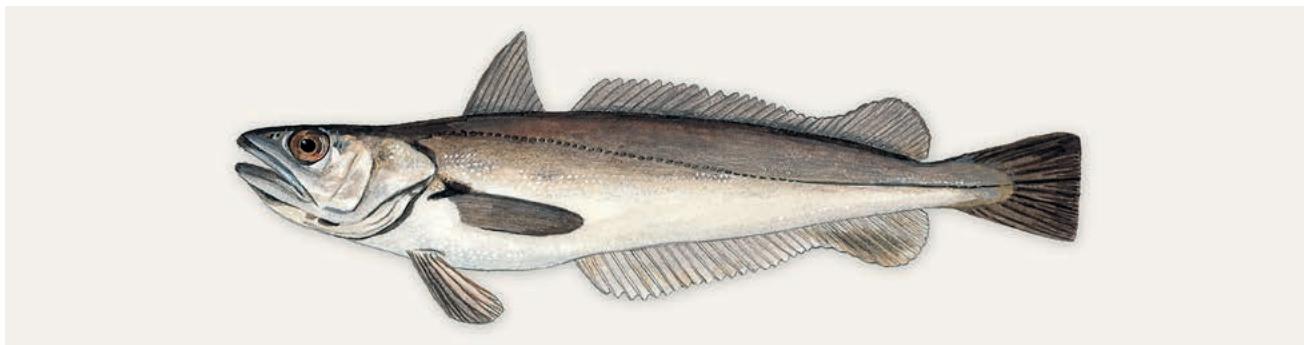
Family **LOTIDAE**, Rocklings*Gaidropsarus capensis*, Cape rockling, 14 cm SL (South Africa).*Gaidropsarus novaezealandiae*, comb rockling, 25 cm TL (South Africa).

PC Heemstra © NPF-SAVAB

O Alvhheim © IMR

Family **MERLUCCIIDAE**, Hakes*Macruronus novaezelandiae*, ~86 cm TL (South Africa). #

© RW Leslie

*Merluccius capensis*, shallow-water hake, 44 cm TL (South Africa).

Source: CSIRO

*Merluccius capensis*, shallow-water hake (South Africa).*Merluccius paradoxus*, deepwater hake, 53 cm TL (South Africa).

© CC Caine

O Alvhheim © IMR

# = no species account

## Family BREGMACEROTIDAE, Codlets



© Alvheim © IMR

*Bregmaceros atlanticus*, antenna codlet, 10 cm TL (Mozambique).



© CJ Ferraris &amp; EO Murdy

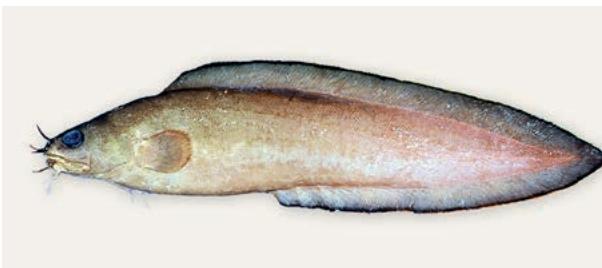
*Bregmaceros mcclellandi*, unicorn cod, 7 cm SL (Philippines).



© SV Bogorodsky

*Bregmaceros nectabanus*, smallscale codlet, 7 cm SL (Red Sea).

## Family OPHIDIIDAE, Cusk-eels

*Brotula multibarbata*, bearded brotula, 29 cm TL (South Africa).

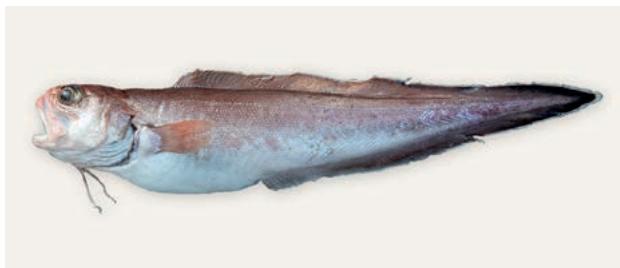
PC Heemstra © NRF-SAIAB

*Brotula multibarbata*, bearded brotula (Red Sea).

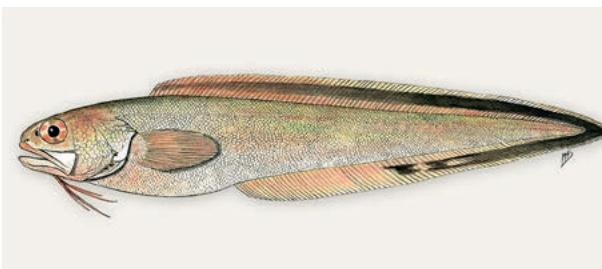
© SV Bogorodsky

*Genypterus capensis*, kingklip, 120 cm TL (South Africa).

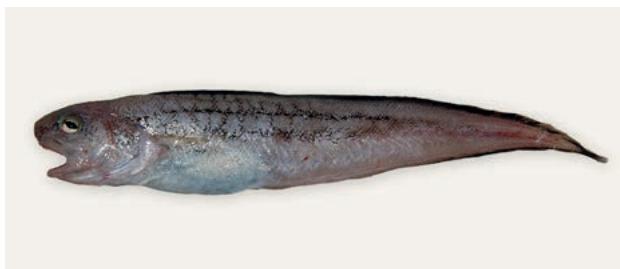
Source: CSIRO

*Hoplobrotula gnathopodus*, false kingklip, 34 cm TL (South Africa).

© RW Leslie

*Hoplobrotula gnathopodus*, false kingklip, 35 cm TL (Mozambique).

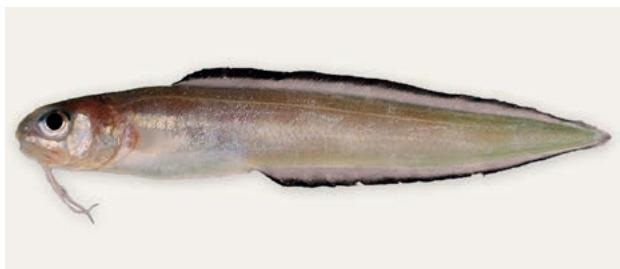
Source: SSI

*Neobythites bimarginatus*, 12 cm SL (Madagascar).

S.Ribes © AV2010

*Neobythites kenyensis*, 14 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB

*Ophidion smithi*, bigeye cusk-eel, 9 cm TL (Seychelles).

© JE Randall, Bishop Museum

*Pycnocraspedum squamipinne*, 10 cm SL (Mozambique).

© F.Uiblein, IMR

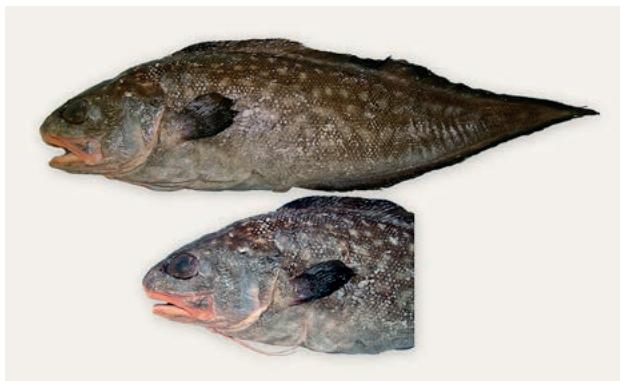
*Sirembo jerdoni*, brownbanded cusk-eel, 10 cm TL (Gulf of Suez).

© SV Bogorodsky

## Family OPHIDIIDAE, Cusk-eels

*Spottobrotula mossambica*, 18 cm SL (Oman).

© D Stevens, OMMFC

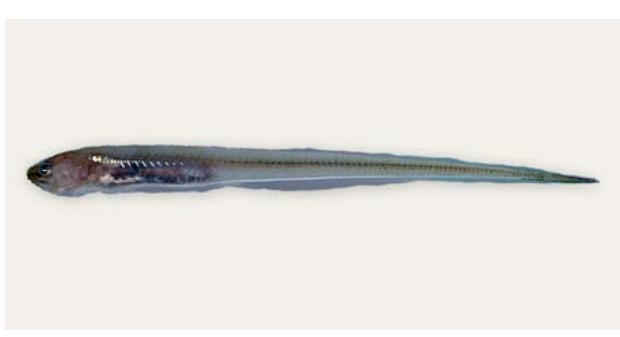
*Spottobrotula persica*, 30 cm SL, holotype (Oman).

© Q Granbi

## Family CARAPIDAE, Pearlfishes

*Carapus boraborensis*, pinhead pearlfish, 17 cm SL (Mozambique).

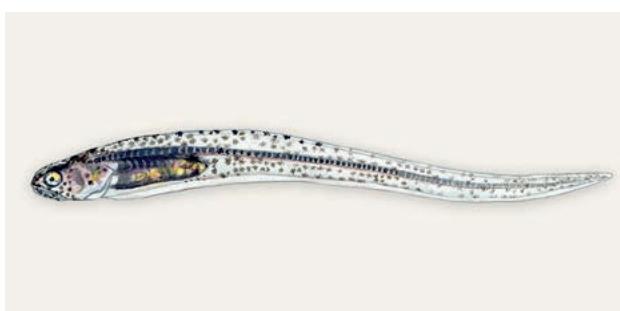
PC Heemstra © NPF-SVAB

*Carapus homei*, silver pearlfish, 13 cm TL (Seychelles).

© JE Randall, Bishop Museum

*Carapus mourlani*, cushion-star pearlfish, 7 cm TL (Seychelles).

© JE Randall, Bishop Museum

*Carapus mourlani*, cushion-star pearlfish (WIO).

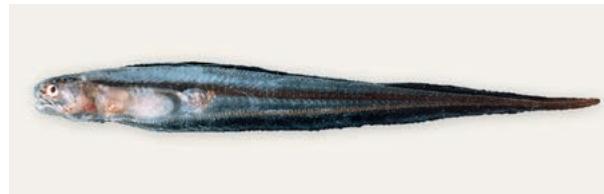
© R Winterbottom, ROM

*Encheliophis gracilis*, slender pearlfish (Mauritius).*Encheliophis gracilis*, slender pearlfish, 14 cm SL (Chagos).

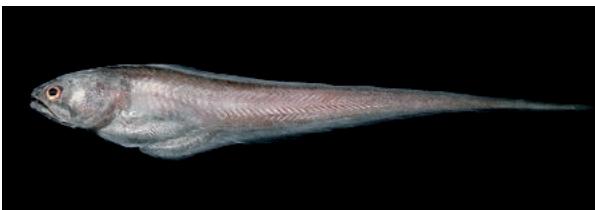
## Family CARAPIDAE, Pearlfishes

*Onuxodon fowleri*, pink pearlfish, 6 cm TL (Yemen).

© PC Heemstra © NPF-SAAB

*Onuxodon fowleri*, pink pearlfish, 9 cm TL (Marquesas Is.).

© JE Randall, Bishop Museum

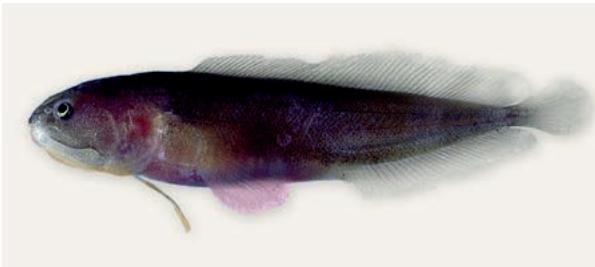
*Pyramodon ventralis*, silverbelly pearlfish, 20 cm TL (Hawaii).

© JE Randall, Bishop Museum

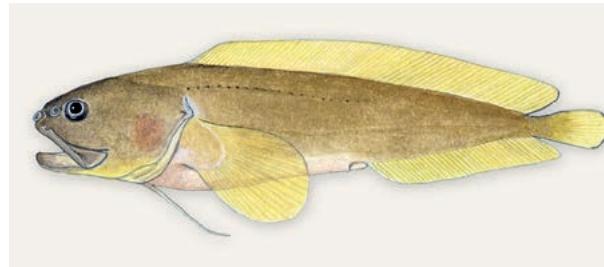
*Pyramodon ventralis*, silverbelly pearlfish, 26 cm SL (N Mozambique).

© F Üblein, IMR

## Family BYTHITIDAE, Livebearing brotulas

*Bidenichthys capensis*, freetail brotula, 4 cm SL (South Africa).

© PC Heemstra © NPF-SAAB

*Bidenichthys capensis*, freetail brotula, 6 cm SL (South Africa).

© F Üblein, IMR

*Brosmophyciops pautzkei*, slimy cuskeel (Red Sea).

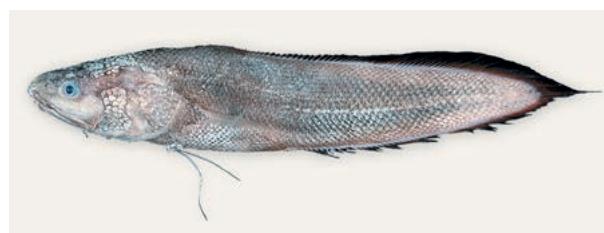
© SV Bogorodsky

*Grammonus opisthodon*, bighead brotula (South Africa).

© GZsilavecz, SJRG

*Grammonus robustus*, humpback brotula, 10 cm SL (East China Sea).

© M Okamoto, SNIFF

*Microbrotula bentleyi*, 4 cm TL (Red Sea).

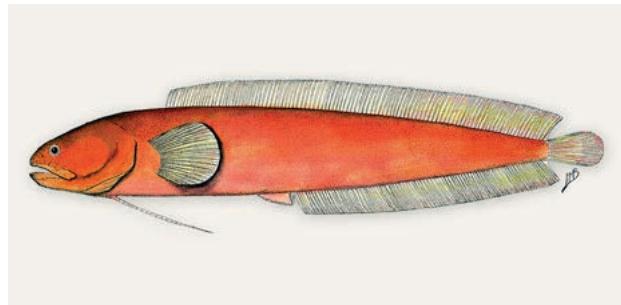
© JE Randall, Bishop Museum

## Family DINEMATICHTHYIDAE, Viviparous brotulas



PC Heemstra © NRI-SAIAB

*Dermatopsoides andersoni*, Anderson's mud brotula, 6 cm SL, holotype (South Africa).



Source: SFSA

*Dermatopsoides kasougae*, orange brotula, 7 cm TL (South Africa).



© G Zeljavec SURG

*Dermatopsoides talboti*, lesser orange brotula (South Africa).



© G Zeljavec SURG

*Dermatopsoides talboti*, lesser orange brotula, ~6 cm TL (South Africa).



© SV Bogorodsky

*Dinematichthys iluocoeteoides*, yellow pygmy brotula (Red Sea).



© SV Bogorodsky

*Dinematichthys iluocoeteoides*, yellow pygmy brotula (Red Sea).

## Family BATRACHOIDIDAE, Toadfishes



© P Loiselle

*Allenbatrachus meridionalis*, Madagascar toadfish, 20 cm SL (Madagascar).



PC Heemstra © NRI-SAIAB

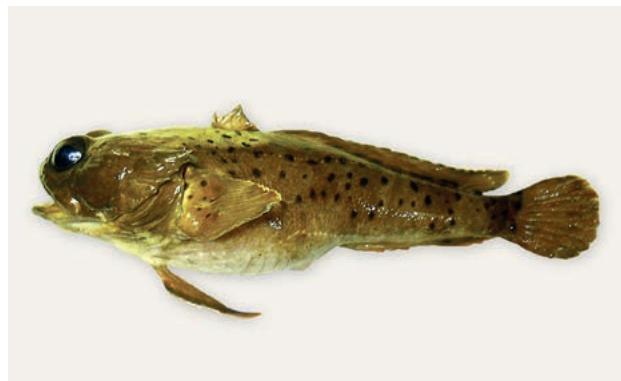
*Austrobatrachus foedus*, puzzled toadfish, 20 cm SL (South Africa).

## Family BATRACHOIDIDAE, Toadfishes



*Austrobatrachus foedus*, puzzled toadfish (South Africa).

© SJ Swartepoel



*Austrobatrachus iselesele*, Zulu toadfish, 20 cm SL (South Africa).

AD Cornell © NRF-SAFAB



*Barchatus cirrhosus*, Red Sea toadfish (Red Sea).

© E Brokovich, HUJ



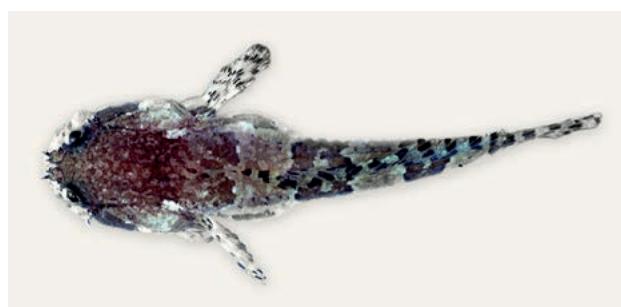
*Barchatus indicus*, Somalian toadfish, 13 cm SL, holotype (Gulf of Aden).

© DW Greenfield



*Batrichthys albofasciatus*, white-ribbed toadfish, 12 cm TL (South Africa).

Source: SSF



*Batrichthys apiatus*, snakehead toadfish, 4 cm TL, dorsal view (South Africa).

CD Buxton © RU-DIFS



*Batrichthys apiatus*, snakehead toadfish (South Africa).

© G Zelihavez, SIRG



*Bifax lacinia*, two-faced toadfish, 27 cm SL, paratype (Oman).

© JF Randal, Bishop Museum

## Family BATRACHOIDIDAE, Toadfishes



*Chatrabus felinus*, big-eye toadfish (South Africa).

© G Zeliatecz, SURG



*Chatrabus hendersoni*, chocolate toadfish, 19 cm TL, holotype (South Africa).

Source: SSF



*Chatrabus melanurus*, humpback toadfish, 14 cm SL (South Africa).

PC Heemstra © NFR SAIAB



*Colletteichthys dussumieri*, flat toadfish, 15 cm TL (SW India).

KK Bineesh © CMFRI



*Colletteichthys flavipinnis*, yellowfin toadfish (S India).

S Murugan © CMFRI



*Colletteichthys occidentalis*, Arabian toadfish, 16 cm SL (Qatar).

© SV Bogorodsky



*Colletteichthys occidentalis*, Arabian toadfish, 12 cm SL (Bahrain).

© JE Randall, Bishop Museum



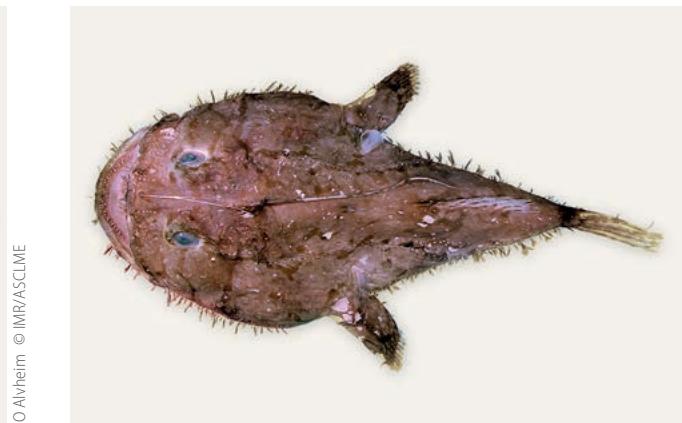
*Perulibatrachus aquilonarius*, northern toadfish, 24 cm SL (India).

KK Bineesh © CMFRI

## Family LOPHIIDAE, Monkfishes

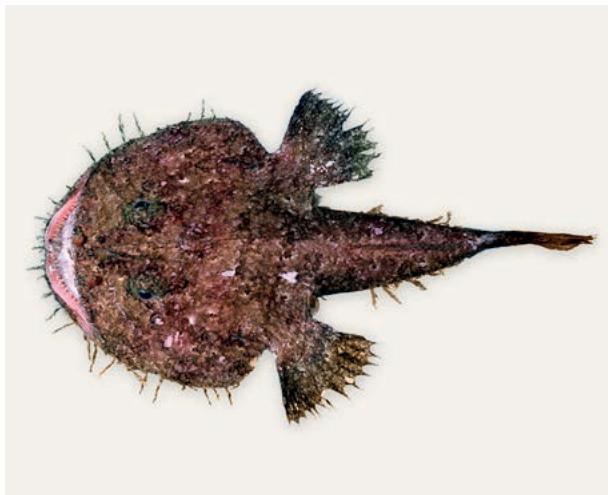


*Lophiodes insidiator*, Natal monkfish (Saya de Malha Bank).

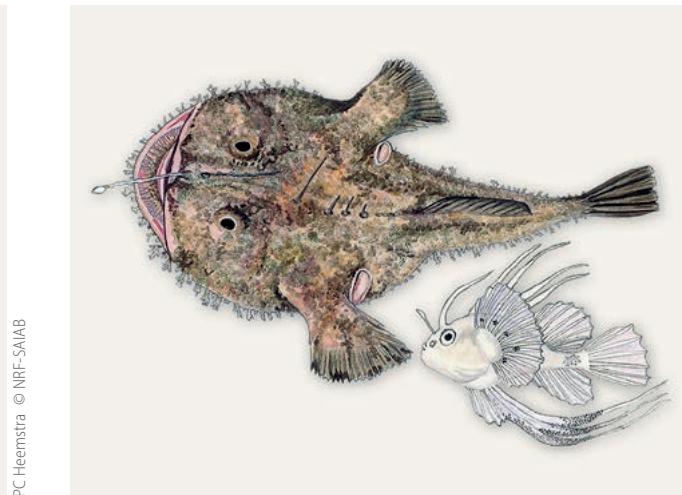


*Lophiodes mutilus*, smooth monkfish, ~20 cm SL (NE Taiwan).

© H-C Ho, NMMB-P



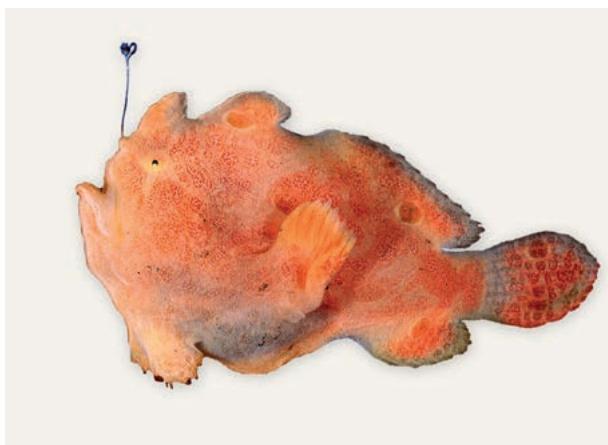
*Lophiomus setigerus*, blackmouth anglerfish, 16 cm SL (Mozambique).



*Lophius vomerinus*, Cape monkfish, 26 cm TL, juvenile; 1 cm TL, transforming larva (both South Africa).

Source: CFSA

## Family ANTENNARIIDAE, Anglerfishes, frogfishes



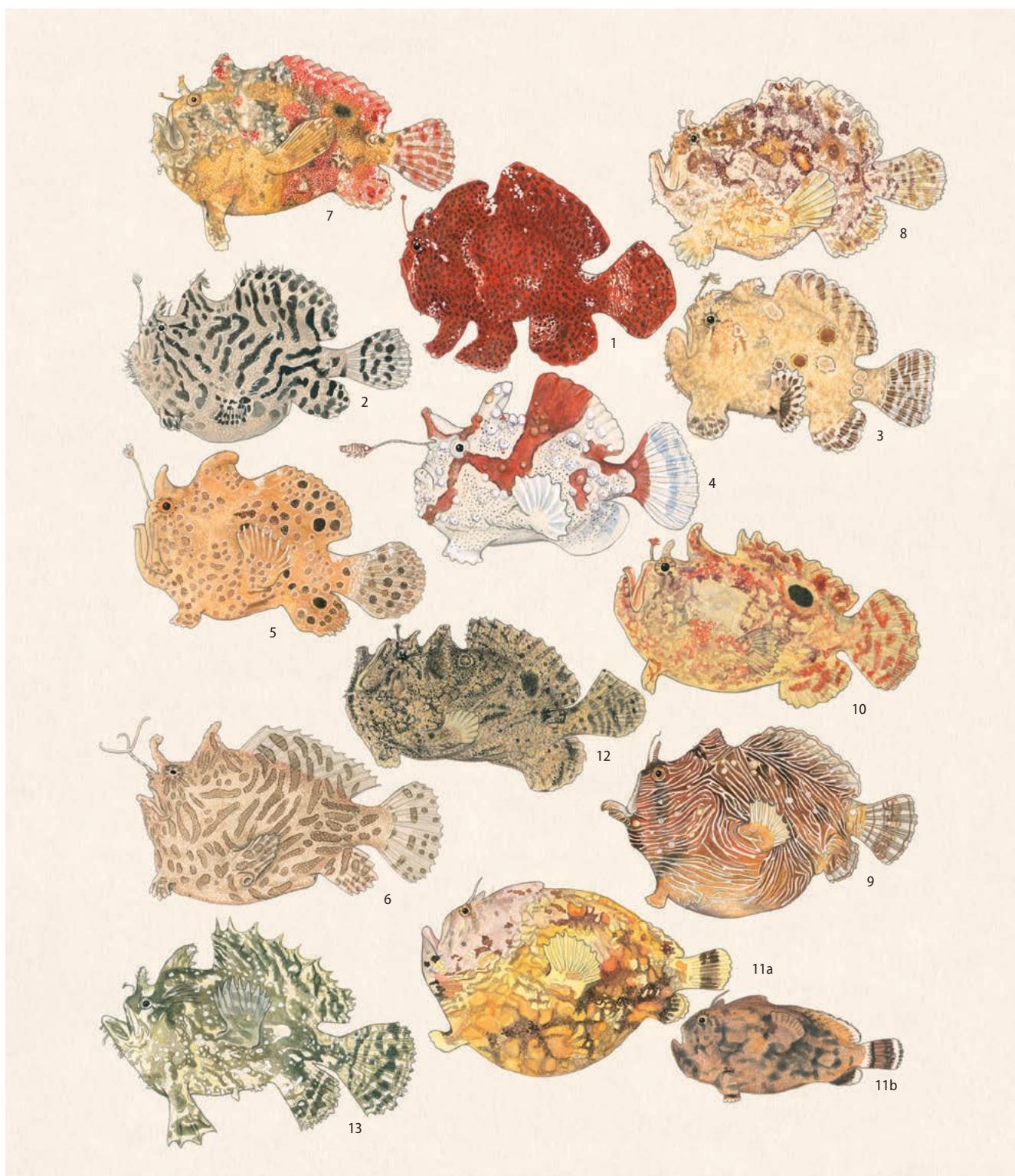
*Antennarius commerson*, Commerson's frogfish, 3 cm SL (South Africa).



*Antennarius hispidus*, shaggy frogfish, 4 cm SL (N Mozambique).

PC Heemstra © NRF-SAIAB

## Family ANTENNARIIDAE, Anglerfishes, frogfishes



1 *Antennarius commerson*, Commerson's frogfish, 5 cm SL (Mauritius). 2 *Antennarius hispidus*, shaggy frogfish, 4 cm SL (S Mozambique).  
 3 *Antennarius indicus*, Indian frogfish, ~9 cm SL (WIO). 4 *Antennarius maculatus*, warty frogfish (WIO). 5 *Antennarius pictus*, painted frogfish, 3 cm SL (Seychelles). 6 *Antennarius striatus*, striped frogfish, 15 cm TL (South Africa).\* 7 *Antennatus coccineus*, scarlet frogfish, 4 cm SL (South Africa). 8 *Antennatus doreensis*, New Guinean frogfish, 5 cm SL (Comoros). 9 *Antennatus linearis*, pygmy anglerfish, 4 cm SL (South Africa). 10 *Antennatus nummifer*, spotfin frogfish, 4 cm SL (South Africa). 11 *Antennatus tuberosus*, tuberculated frogfish, (a) 4 cm SL (Comoros), (b) 2 cm SL (Mauritius). 12 *Fowlerichthys scriptissimus*, calico frogfish, 30 cm SL (Japan). 13 *Histrio histrio*, sargassumfish, 7 cm SL (South Africa).

\* Source: CFSA

## Family ANTENNARIIDAE, Anglerfishes, frogfishes



Antennarius maculatus, warty frogfish (S Mozambique).

© F Lombard



Antennarius maculatus, warty frogfish (S Mozambique).

© V Fraser



Antennarius striatus, striated frogfish, 5 cm SL (N Mozambique).

© P Heemstra © NFR-SAAB



Antennatus coccineus, scarlet frogfish, 6 cm SL (Maldives).

© J.E Randall, Bishop Museum



Antennatus dorehensis, New Guinean frogfish, 5 cm SL (Comoros).

© P Heemstra © NFR-SAAB



Antennatus nummifer, spotfin frogfish, 4 cm SL (South Africa).

© J.E Randall, Bishop Museum



Antennatus tuberosus, tuberculated frogfish, 3 cm SL (Hawaii).

© J.E Randall, Bishop Museum



Histrio histrio, sargassumfish, 6 cm SL (Hawaii).

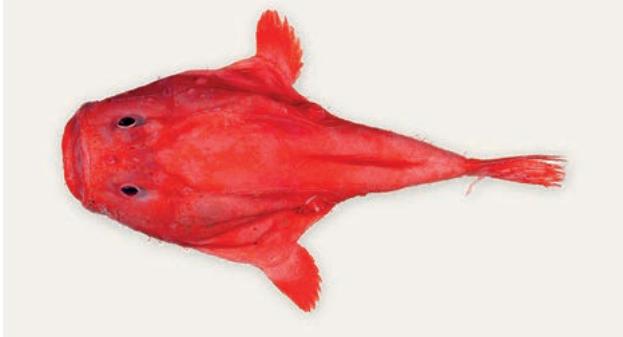
© J.E Randall, Bishop Museum

## Family CHAUNACIDAE, Coffinfishes, sea toads, frogmouths



*Chaunax africanus*, African coffinfish, 14 cm SL, preserved paratype (N Mozambique).

© H-C Ho, NMMB-P



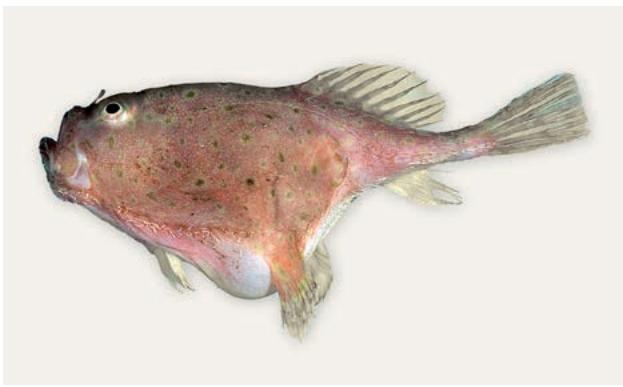
*Chaunax apus*, pink frogmouth, 20 cm SL (Taiwan).

© H-C Ho, NMMB-P



*Chaunax atimovatae*, southern frogmouth, 16 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB



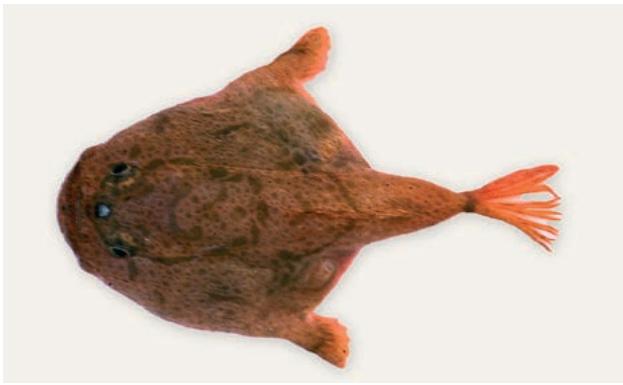
*Chaunax atimovatae*, southern frogmouth, ~20cm TL (S Mozambique).

PC Heemstra © NRF-SAIAB



*Chaunax atimovatae*, southern frogmouth (South Africa).

R Palmer © NRF-SAIAB



*Chaunax penicillatus*, pencil coffinfish, 18 cm SL (Kenya).

PC Heemstra © NRF-SAIAB



*Chaunax heemstraorum*, Heemstras' frogmouth, 19 cm SL, holotype (Mozambique).

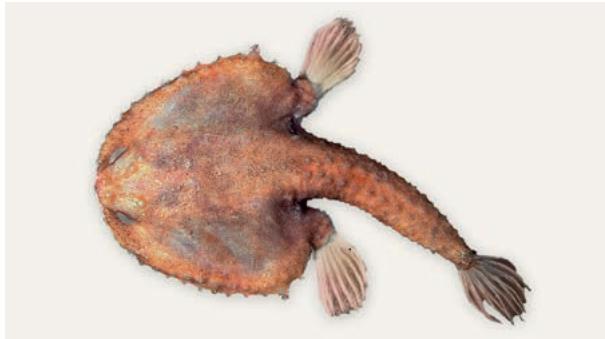
PC Heemstra © NRF-SAIAB



*Chaunax heemstraorum*, Heemstras' frogmouth, 8 cm SL, holotype (Mozambique).

PC Heemstra © NRF-SAIAB

## Family OGCOCEPHALIDAE, Batfishes

*Halicmetus* sp., 11 cm SL (Mozambique). #

PC Heemstra © NPF-SABAB

*Halieutaea fitzsimonsi*, circular seabat, 10 cm SL (Madagascar).

M Lee © AV/2010

*Halieutaea hancocki*, hairy seabat, 11 cm SL (Mozambique). #

PC Heemstra © NPF-SABAB

*Halieutaea hancocki*, hairy seabat, 13 cm TL, ventral view (Mozambique). #

O Alvheim © IMR

*Halieutaea indica*, Indian handfish, ~6 cm TL (South Africa).

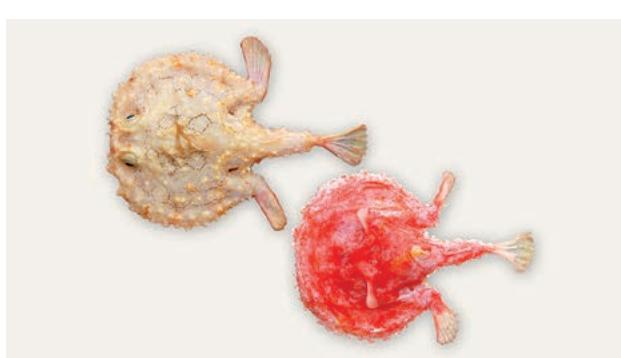
© D Hebert

*Halieutaea indica*, Indian handfish, 7 cm SL (Seychelles Bank).

O Alvheim © IMR

*Halieutaea liogaster*, African circular seabat, 9 cm SL (Mozambique).

PC Heemstra © NPF-SABAB

*Halieutaea* sp., 12 cm SL, dorsal and ventral views (Saya de Malha Bank). #

O Alvheim © IMR

# = no species account

## Family OGCOCEPHALIDAE, Batfishes



*Malthopsis austrafricana*, southern African triangular batfish, 10 cm TL, dorsal view (Mozambique).

O Alvhheim © IMR



*Malthopsis austrafricana*, southern African triangular batfish, 10 cm TL, ventral view (Mozambique).

O Alvhheim © IMR



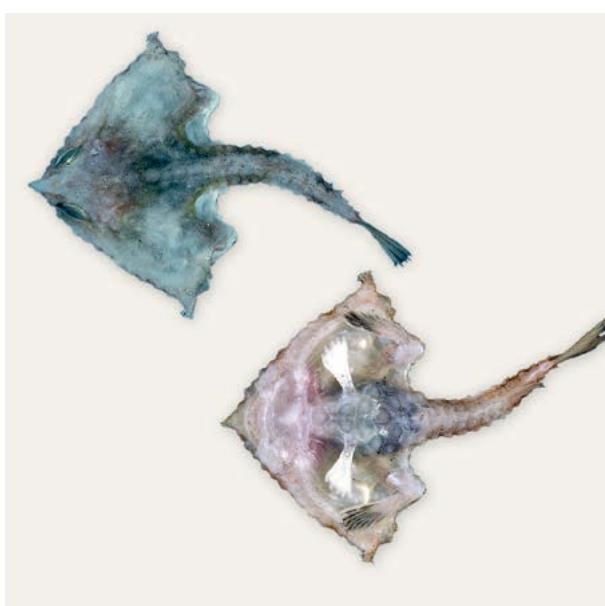
*Malthopsis bradburyae*, Bradbury's triangular batfish, 7 cm SL (Tanzania).

© H.C Ho, NMMBP



*Malthopsis gigas*, giant triangular batfish, ~12 cm SL (South Africa).

AD Connell © NRF-SAIAB



*Malthopsis mitrigera*, two-spine batfish, 5 cm SL, dorsal and ventral views (South Africa).

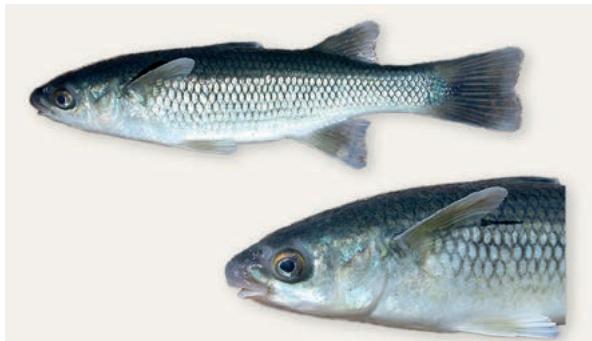
PC Heemstra © NRF-SAIAB



*Malthopsis mitrigera*, two-spine batfish, 8 cm SL (SE Madagascar).

J Escobar-Porras © NRF-SAIAB/ASCLME

## Family MUGILIDAE, Mullets



*Agonostomus telfairii*, fairy mullet, ~12 cm SL (E Madagascar).



*Chelon abu*, Abu mullet, 12 cm SL (Turkey). © S Yıldız-Ozalıek



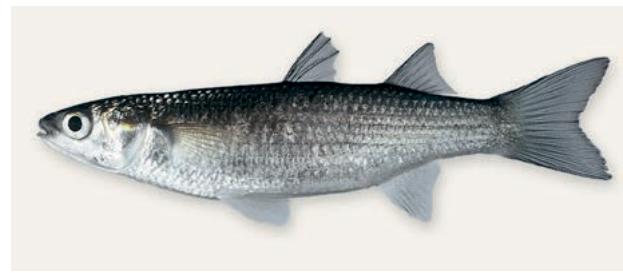
*Chelon alata*, diamond mullet (South Africa). © P Cowley © NRF-SAIAB



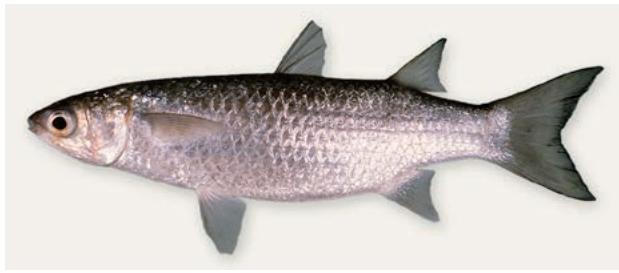
*Chelon alata*, diamond mullet (South Africa). © P Cowley © NRF-SAIAB



*Chelon carinatus*, keeled mullet, 11 cm SL (Bahrain). © J.E Randall, Bishop Museum



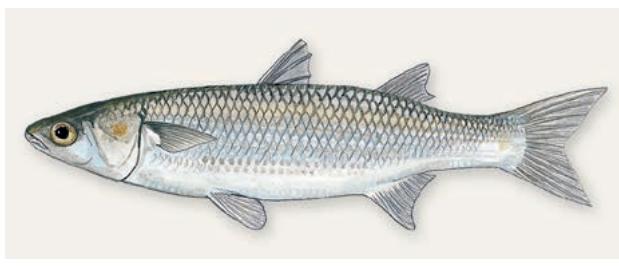
*Chelon dumerili*, grooved mullet, 11 cm SL (South Africa). © P Heemstra © NRF-SAIAB



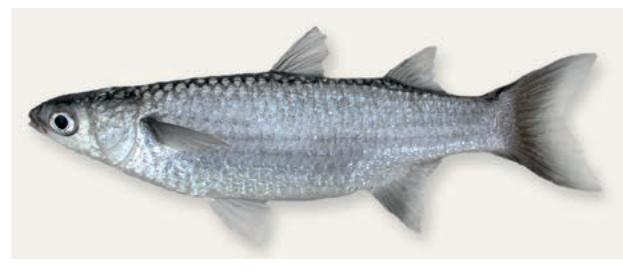
*Chelon macrolepis*, largescale mullet, 19 cm SL (Sudan). © J.E Randall, Bishop Museum



*Chelon melinopterus*, giantscale mullet, 9 cm SL (S Mozambique). © P Heemstra © NRF-SAIAB

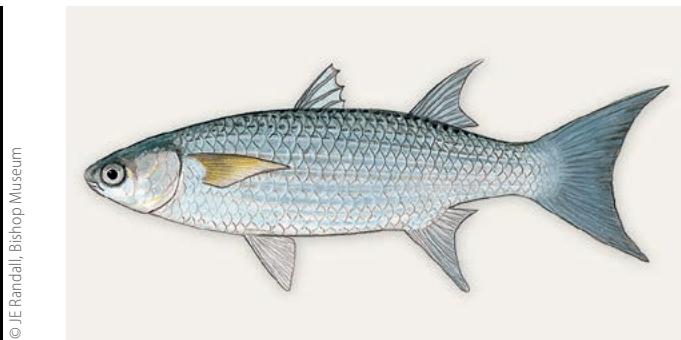


*Chelon richardsonii*, southern mullet, 25 cm TL, adult (South Africa). Source: CSIRO © CSIRO



*Chelon subviridis*, greenback mullet (South Africa). © P Cowley © NRF-SAIAB

## Family MUGILIDAE, Mullets

*Chelon tricuspidens*, striped mullet (South Africa).*Crenimugil crenilabis*, fringelip mullet, 29 cm SL; lateral, dorsal and ventral views of head inset (Marshall Is.).*Crenimugil crenilabis*, fringelip mullet (Seychelles).*Ellochelon vaigiensis*, squaretail mullet, 27 cm SL (central Pacific).*Moolgarda buchanani*, longfin mullet, 10 cm SL (Indonesia).*Moolgarda buchanani*, longfin mullet, 73 cm TL (South Africa).*Moolgarda cunnesius*, longarm mullet, 10 cm SL (SW India).*Moolgarda robustus*, robust mullet (South Africa).

© MN Trevor, CMI

© JE Randall, Bishop Museum

Source: CFSA

© P Cowley © NRI/SAIAB

## Family MUGILIDAE, Mullets



*Moolgardah seholi*, bluespot mullet, 27 cm SL (Indonesia).



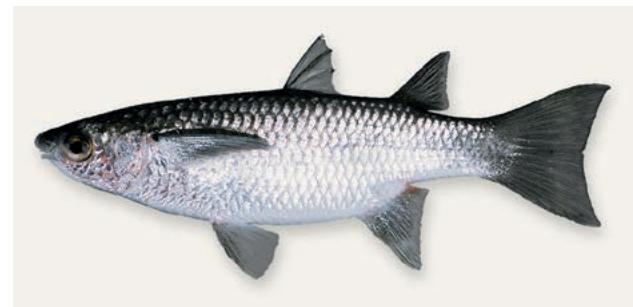
*Mugil cephalus*, flathead mullet, 33 cm SL (Japan).

© JE Randall, Bishop Museum



*Myxus capensis*, freshwater mullet (South Africa).

P Cowley © NRF-SAFAB



*Oedalechilus labiosus*, hornlip mullet, 13 cm SL (Malaysia).

© JE Randall, Bishop Museum

## Family ISONIDAE, Surf sprites



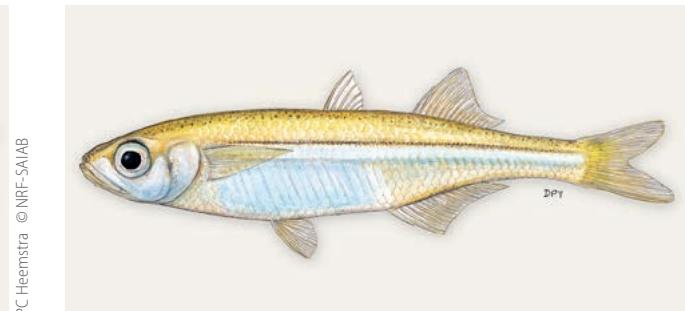
*Iso natalensis*, surf sprite, 4 cm SL (W India).

© JE Randall, Bishop Museum

## Family AATHERINIDAE, Silversides



*Atherina breviceps*, Cape silverside, 3 cm SL (South Africa).



*Atherina breviceps*, Cape silverside (South Africa).

Source: Skilton 1993

## Family AATHERINIDAE, Silversides



*Atherinomorus duodecimalis*, tropical silverside, 6 cm SL (Andaman Sea).

© S Kimura, FRLM



*Atherinomorus forskalii*, Red Sea hardyhead silverside, 7 cm SL (Red Sea).

© J.F.Randall, Bishop Museum



*Atherinomorus lacunosus*, wide-banded hardyhead silverside, 12 cm SL (Madagascar).

E Heemstra © NRF-SAIA/BAV2010



*Atherinomorus lacunosus*, wide-banded hardyhead silverside, 7 cm SL (Seychelles).

© J.F.Randall, Bishop Museum



*Atherinomorus pinguis*, narrow-banded hardyhead silverside, 9 cm SL (Persian/Arabian Gulf).

© J.F.Randall, Bishop Museum



*Hypoatherina barnesi*, slender silverside, 3 cm SL, preserved juvenile (Japan).

© S Kimura, FRLM



*Hypoatherina barnesi*, slender silverside, 4 cm SL, preserved (Mozambique).

© D Sasaki, FRLM



*Hypoatherina gobio*, gudgeon silverside, 8 cm SL (Red Sea).

© SV Bogorodsky



*Hypoatherina golani*, Red Sea silverside, 5 cm SL (Red Sea).

© J.F.Randall, Bishop Museum



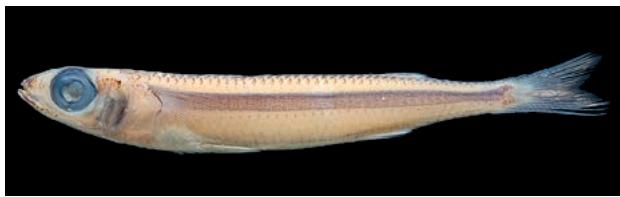
*Hypoatherina golani*, Red Sea silverside, 6 cm SL, preserved (Red Sea).

© SV Bogorodsky



*Hypoatherina kyunzingeri*, African silverside, 5 cm SL, preserved (Mozambique).

© D Sasaki, FRLM



*Hypoatherina temminckii*, Samoan silverside, 6 cm SL, preserved (Mozambique).

© D Sasaki, FRLM

## Family ADRIANICHTHYIDAE, Ricefishes

*Oryzias dancena*, deep-bodied ricefish, 25 mm SL, male.

© HH Tan

*Oryzias dancena*, deep-bodied ricefish, 24 mm SL, female.

© HH Tan

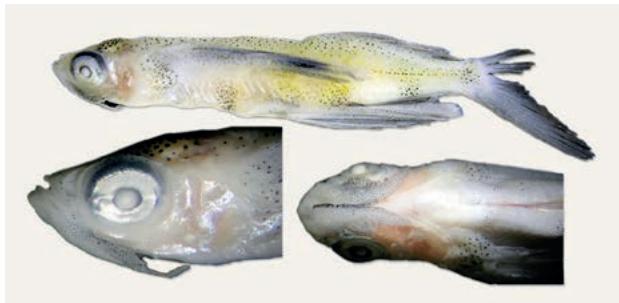
## Family EXOCETIDAE, Flyingfishes

*Cheilopogon abei*, Abe's flyingfish, 14 cm SL, dorsal view (Philippines).

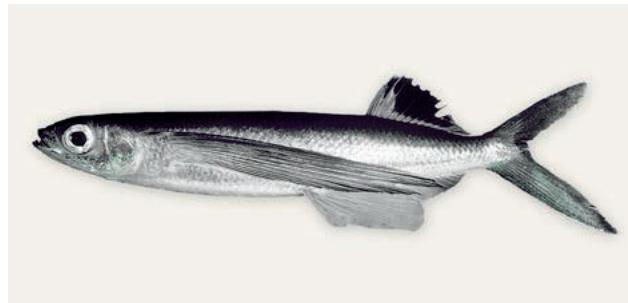
© JT Williams © Smithsonian Institution

*Cheilopogon abei*, Abe's flyingfish, 14 cm SL (Philippines).

© JT Williams © Smithsonian Institution

*Cheilopogon abei*, Abe's flyingfish, 2 cm SL, juvenile (South Africa).

AD Connell © NRE-SAIAB

*Cheilopogon cyanopterus*, blackwing flyingfish, 27 cm SL (Comoros).

PC Heemstra © NRE-SAIAB

*Cheilopogon cyanopterus*, blackwing flyingfish, 27 cm SL, dorsal view (Comoros).

PC Heemstra © NRE-SAIAB

*Cheilopogon furcatus fisunovi*, Pacific spotfin flyingfish, 7 cm SL, juvenile (Hawaii). #

© JE Randall, Bishop Museum

# = no species account

## Family EXOCOETIDAE, Flyingfishes



*Cheilopogon furcatus neimani*, spotfin flyingfish, 23 cm SL (Pakistan).

© HB Ormsby



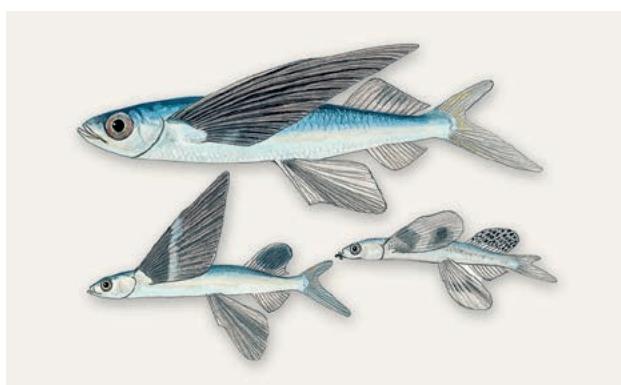
*Cheilopogon intermedius*, intermediate flyingfish, 18 cm SL (Indonesia).

© IB Shakhovskoy, IORAS



*Cheilopogon pinnatibarbatus altipennis*, smallhead flyingfish, 30 cm SL (South Africa).

© AD Connell © NRE SAAB



*Cheilopogon pinnatibarbatus altipennis*, smallhead flyingfish, 39 cm TL, adult; 26 cm TL, subadult; 3 cm TL, juvenile (South Africa).

Source: CFSA



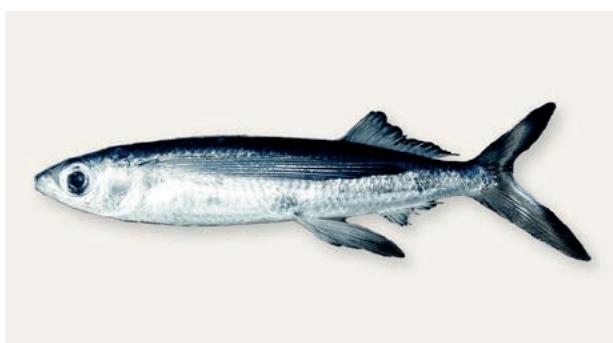
*Cheilopogon spilonotopterus*, stained flyingfish, 34 cm SL (Hawaii).

© JE Randall, Bishop Museum



*Cheilopogon Suttoni*, Sutton's flyingfish, 25 cm SL (Indonesia).

© JE Randall, Bishop Museum



*Cypselurus angusticeps*, narrowhead flyingfish, 20 cm SL (Comoros).

© PC Heemstra © NRE SAAB



*Cypselurus hexazona*, darkbar flyingfish, 13 cm SL, dorsal view (Sudan).

© IB Shakhovskoy, IORAS

## Family EXOCOETIDAE, Flyingfishes



*Cypselurus naresii*, pharao flyingfish, 21 cm SL (Oman).

© JE Randall, Bishop Museum



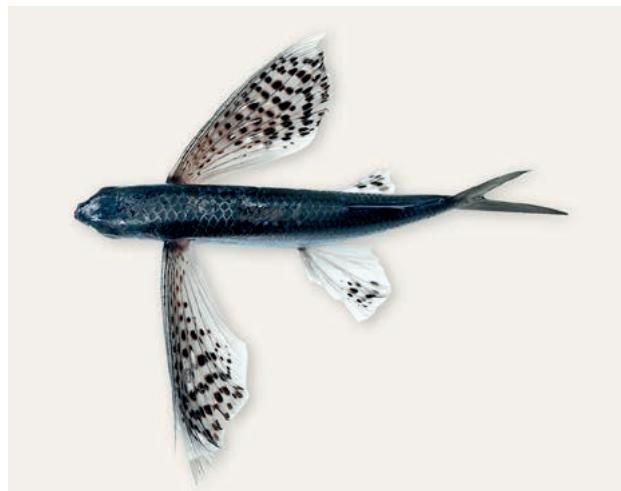
*Cypselurus naresii*, pharao flyingfish, 16 cm SL (Gulf of Aden).

© IB Shakhovskoy, IORAS



*Cypselurus oligolepis*, largescale flyingfish, 13 cm SL (Singapore).

© IB Shakhovskoy, IORAS



*Cypselurus poecilopterus*, yellow-wing flyingfish, 20 cm TL, dorsal view (Mascarene Ridge).

O Alvheim © IMR/ASCLME



*Cypselurus poecilopterus*, yellow-wing flyingfish, 20 cm TL (Mascarene Ridge).

O Alvheim © IMR/ASCLME



*Cypselurus poecilopterus*, yellow-wing flyingfish, 23 cm SL (Rodrigues).

PC Heemstra © NRF-SAIAB



*Exocoetus monocirrhus*, barbelled two-wing flyingfish (South Africa).

AD Connell © NRF-SAIAB



*Exocoetus volitans*, tropical two-wing flyingfish, 16 cm SL (Sulu Sea).

© IB Shakhovskoy, IORAS

## Family EXOCETIDAE, Flyingfishes



*Hirundichthys indicus indicus*, Indian mirrorwing flyingfish, 15 cm SL (WIO).

© IB Shakhovskoy, IORAS



*Hirundichthys oxycephalus coromandelensis*, Coromandel flyingfish, 16 cm SL (Arabian Sea).

© IB Shakhovskoy, IORAS



*Hirundichthys rufipinnis*, redfin flyingfish, 20 cm SL (off SE Africa).

© IB Shakhovskoy, IORAS



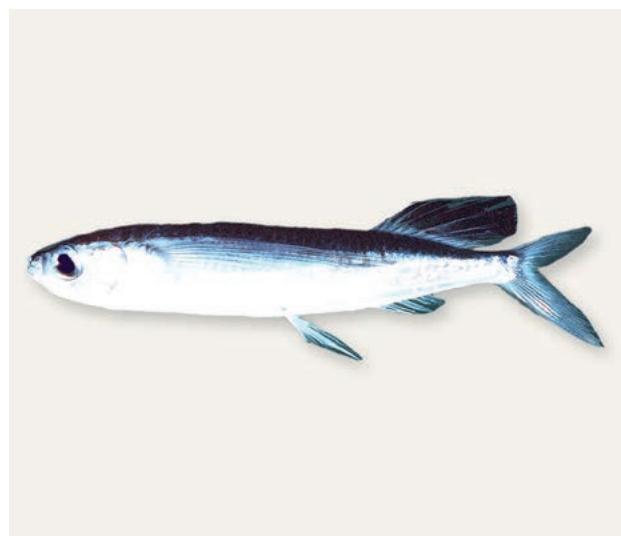
*Hirundichthys rufipinnis*, redfin flyingfish, 4 cm SL, juvenile, dorsal view (S Atlantic).

© MI Shatut, IORAS



*Hirundichthys speculiger*, mirrorwing flyingfish, 27 cm TL (Mascarene Plateau).

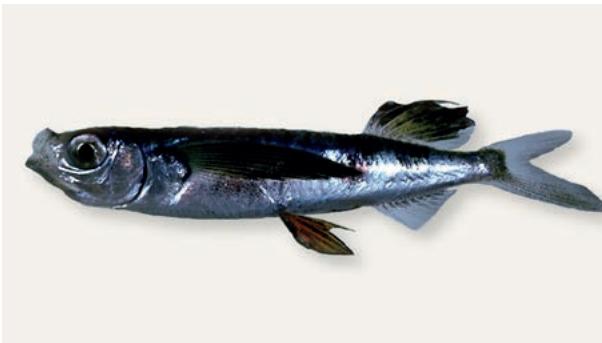
O Almheim © IMR/ASCLME



*Parexocoetus brachypterus*, sailfin flyingfish, 13 cm SL (Indonesia).

© JE Randall, Bishop Museum

## Family EXOCOETIDAE, Flyingfishes



*Parexocoetus mento*, African sailfin flyingfish, 6 cm SL (South Africa).

© C Heemstra © NRF-SAIAB



*Parexocoetus mento*, African sailfin flyingfish, juvenile (Red Sea).

© C Heemstra © NRF-SAIAB



*Prognichthys brevipinnis*, shortfin flyingfish, 16 cm SL (Indonesia).

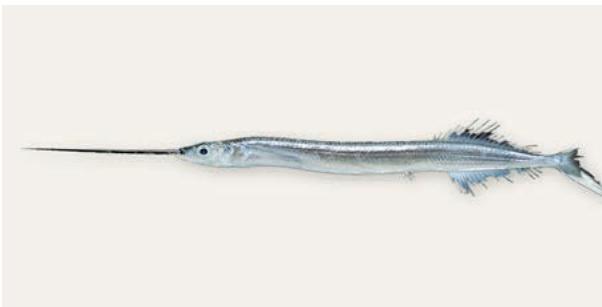
© IB Shakhovskoy, IORAS



*Prognichthys sealei*, shortnose flyingfish, 16 cm SL (WIO).

© IB Shakhovskoy, IORAS

## Family HEMIRAMPHIDAE, Halfbeaks



*Euleptorhamphus viridis*, Indo-Pacific ribbon halfbeak, 27 cm SL (Japan).

© S Kimura, FRLM



*Hemiramphus far*, black-barred halfbeak (Red Sea).

© S Bogorodsky



*Hemiramphus far*, black-barred halfbeak, 14 cm SL (SW India).

© J.C Randall, Bishop Museum



*Hemiramphus lutkei*, Lutke's halfbeak, 19 cm SL (Comoros).

© C Heemstra © NRF-SAIAB

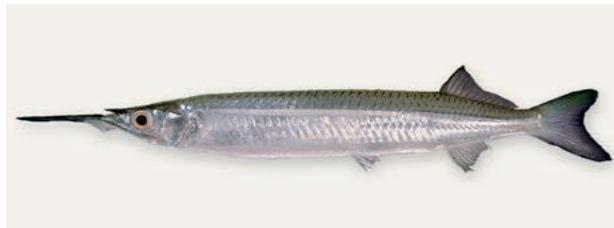
Note: identification of the halfbeak photographs not verified by BB Collette

## Family HEMIRAMPHIDAE, Halfbeaks



© T Smith, RU-DIIS

*Hyporhamphus (Hyporhamphus) capensis*, Cape halfbeak, 14 cm SL (South Africa).



© JF Randall, Bishop Museum

*Hyporhamphus (Hyporhamphus) limbatus*, Congaturi halfbeak, 15 cm SL (SW India).



© JE Randall, Bishop Museum

*Hyporhamphus (Hyporhamphus) sindensis*, Sind halfbeak, 15 cm SL (SW India).



© JE Randall, Bishop Museum

*Hyporhamphus (Hyporhamphus) unicuspis*, simpletooth halfbeak, 11 cm SL (Kuwait).



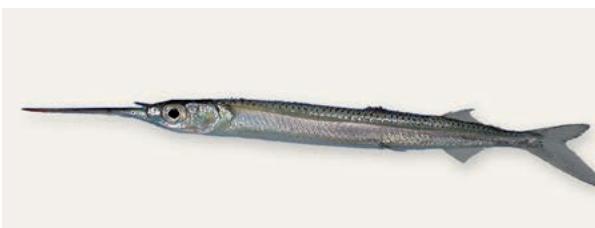
© AB Kumar, UoK

*Hyporhamphus (Hyporhamphus) xanthopterus*, yellowfin halfbeak, 18 cm SL (India).



© RWinterbottom, ROM

*Hyporhamphus (Reporhamphus) affinis*, reef halfbeak, 10 cm SL (Comoros).



PC Heemstra © NPF-SALAB

*Hyporhamphus (Reporhamphus) dussumieri*, Dussumier's halfbeak, 12 cm SL (Seychelles).



© JE Randall, Bishop Museum

*Hyporhamphus (Reporhamphus) gamberur*, Red Sea halfbeak, 11 cm SL (Sudan).



© SV Bogorodskiy

*Hyporhamphus (Reporhamphus) gamberur*, Red Sea halfbeak, 22 cm SL (Red Sea).



© S Kimura, FRLM

*Hyporhamphus (Reporhamphus) quoyi*, Quoy's halfbeak, 21 cm SL (Japan).

## Family HEMIRAMPHIDAE, Halfbeaks



© S Kimura, FRLM

*Oxyporhamphus convexus convexus*, 10 cm SL (South China Sea).



© J.F. Randall, Bishop Museum

*Rhynchorhamphus georgii*, George's halfbeak, 19 cm SL (Oman).

## Family ZENARCHOPTERIDAE, Internally-fertilising halfbeaks



© J.F. Randall, Bishop Museum

*Zenarchopterus dispar*, feathered river halfbeak, 9 cm SL, male (New Guinea).



© R. Winterbottom, ROM

*Zenarchopterus gilli*, viviparous halfbeak, 11 cm SL (Palau).

## Family BELONIDAE, Needlefishes



© SV Bogodolsky

*Abelennes hians*, flat needlefish (Red Sea).



© R Ryantsky

*Platybelone argalus platyura*, keeltail needlefish (Red Sea).



© S Kimura, FRLM

*Platybelone argalus platyura*, keeltail needlefish, 39 cm SL (Japan).



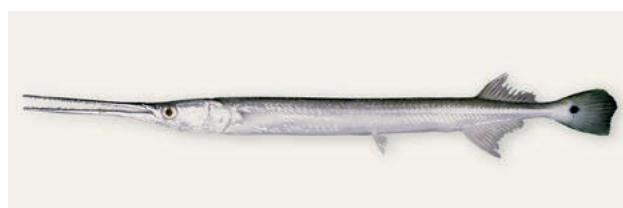
© S Kimura, FRLM

*Strongylura incisa*, reef needlefish, 48 cm SL (Japan).



© J.F. Randall, Bishop Museum

*Strongylura leiura*, yellowfin needlefish, 56 cm SL (SW India).



© J.F. Randall, Bishop Museum

*Strongylura strongylura*, spot-tail needlefish, 34 cm SL (SW India).

**Note:** identification of the needlefish photographs not verified by BB Collette

Family **BELONIDAE**, Needlefishes

*Tylosurus acus melanotus*, Agujon needlefish, juvenile (Mozambique).

© A Lund



*Tylosurus acus melanotus*, Agujon needlefish, 49 cm SL (Red Sea).

© SV Bogorodsky



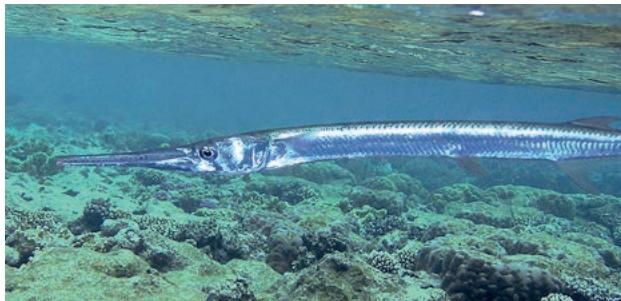
*Tylosurus choram*, Red Sea needlefish, 45 cm SL (Sudan).

© J.F. Randall, Bishop Museum



*Tylosurus choram*, Red Sea needlefish, 62 cm SL (Red Sea).

© SV Bogorodsky



*Tylosurus crocodilus crocodilus*, hound needlefish (Red Sea).

© SV Bogorodsky



*Tylosurus crocodilus crocodilus*, hound needlefish, 33 cm SL (S Mozambique).

PC Heemstra © NRF-SAVAB

Family **SCOMBERESOCIDAE**, Sauries, skippers

Source: SSF

*Scomberesox scombroides*, southern saury, 35 cm TL (South Africa).

## Family MONOCENTRIDAE, Pineapplefishes

*Monocentris japonica*, pineapplefish, 14 cm SL (Mozambique).

PC Heemstra © NPF-SAIAB

## Family ANOMALOPIDAE, Flashlight fishes

*Photoblepharon steinitzi*, flashlight fish, 7 cm SL (Gulf of Aqaba).

© SV Bogorodsky

## Family BERYCIDAE, Alfonsinos

*Beryx decadactylus*, alfonsino, 25 cm FL (Madeira).

PC Heemstra © NPF-SAIAB

*Beryx mollis*, 11 cm SL (Japan).

© M Shiina

*Beryx splendens*, slender alfonsino, 19 cm SL (Mozambique).

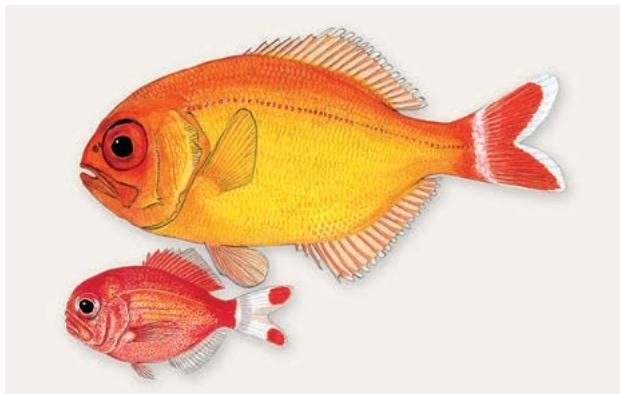
PC Heemstra © NPF-SAIAB

*Beryx splendens*, slender alfonsino, 21 cm TL, juvenile (Sapmer Seamount).

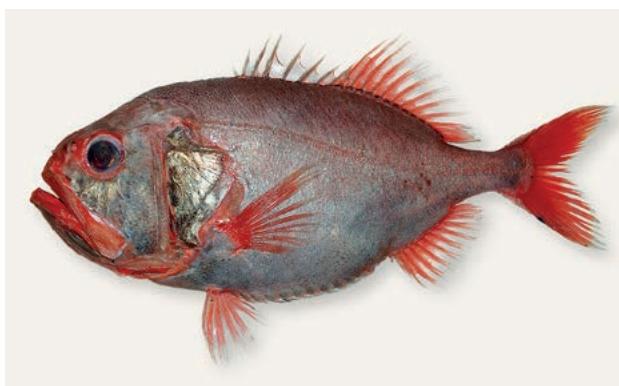
O Alheim © IMR/ASCLME

Family **BERYCIDAE**, Alfonsinos*Centroberyx druzhinini*, 22 cm SL (South Africa).

AD Connell © NRE-SAIAB

*Centroberyx spinosus*, short alfonsino, 20 cm TL, adult; 4 cm TL, juvenile (South Africa).

Source: CSA

Family **TRACHICHTHYIDAE**, Slimeheads, roughies*Gephyroberyx darwini*, Darwin's slimehead, 34 cm SL (SW India).

KK Bineesh &amp; KV Akhilesh © CMFR

*Hoplostethus mediterraneus*, silver roughy, 13 cm SL (Mozambique).

PC Heemstra © NRE-SAIAB

Family **HOLOCENTRIDAE**, Squirrelfishes, soldierfishes*Myripristis adusta*, shadowfin soldierfish (Maldives).

© JE Randall, Bishop Museum

*Myripristis berndti*, bigscale soldierfish 28 cm TL (Norfolk I.).

© JE Randall, Bishop Museum

## Family HOLOCENTRIDAE, Squirrelfishes, soldierfishes



© JE Randall, Bishop Museum

*Myripristis berndti*, bigscale soldierfish (Maldives).

© JE Randall, Bishop Museum

*Myripristis botche*, pale soldierfish, 24 cm TL (Sri Lanka).

© JE Randall, Bishop Museum

*Myripristis chryseres*, yellowfin soldierfish, 17 cm TL (Mauritius).

© JE Randall, Bishop Museum

*Myripristis hexagona*, doubletooth soldierfish (Philippines).

© JE Randall, Bishop Museum

*Myripristis kuhli*, epaulette soldierfish (Maldives).

© JE Randall, Bishop Museum

*Myripristis murjan*, blotcheye soldierfish, 15 cm TL (Red Sea).

© JE Randall, Bishop Museum

*Myripristis murjan*, blotcheye soldierfish (Maldives).

© JE Randall, Bishop Museum

*Myripristis pralinia*, scarlet soldierfish, 16 cm TL (Guam).

## Family HOLOCENTRIDAE, Squirrelfishes, soldierfishes



*Myripristis seychellensis*, Seychelles soldierfish, 20 cm TL (Seychelles).

© J.F. Randall, Bishop Museum



*Myripristis seychellensis*, Seychelles soldierfish (Seychelles).

© J.F. Randall, Bishop Museum



*Myripristis violacea*, lattice soldierfish, 19 cm TL (Marshall Is.).

© J.F. Randall, Bishop Museum



*Myripristis violacea*, lattice soldierfish (Seychelles).

© J.F. Randall, Bishop Museum



*Myripristis vittata*, immaculate soldierfish, 16 cm TL (Mauritius).

© J.F. Randall, Bishop Museum



*Myripristis xanthacra*, yellowtipped soldierfish (Red Sea).

© J.F. Randall, Bishop Museum



*Neoniphon argenteus*, silver squirrelfish, 16 cm TL (Marshall Is.).

© J.F. Randall, Bishop Museum



*Neoniphon aurolineatus*, yellow-striped squirrelfish, 24 cm TL (Réunion).

© J.F. Randall, Bishop Museum

## Family HOLOCENTRIDAE, Squirrelfishes, soldierfishes



*Neoniphon opercularis*, blackfin squirrelfish (Maldives).

© J.F. Randall, Bishop Museum



*Neoniphon sammara*, spotfin squirrelfish, juvenile (Mozambique).

R.Bills © NMRF-SALAB



*Neoniphon sammara*, spotfin squirrelfish, 19 cm TL (Hawaii).

© J.F. Randall, Bishop Museum



*Neoniphon sammara*, spotfin squirrelfish (Red Sea).

© J.F. Randall, Bishop Museum



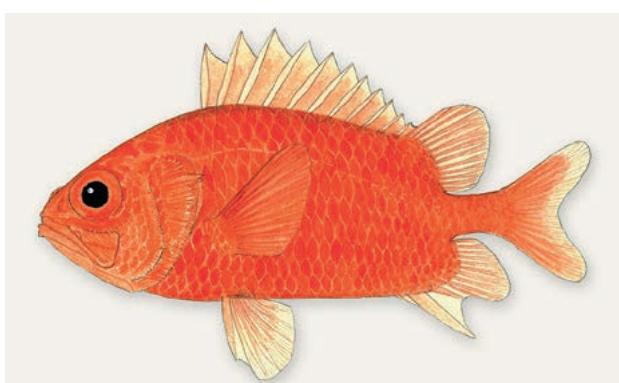
*Ostichthys acanthorhinus*, spiny snout soldierfish, 18 cm TL (Gulf of Aqaba).

© D.Golani, HU



*Ostichthys archiepiscopus*, longsnout soldierfish, 22 cm TL (Hawaii).

© J.F. Randall, Bishop Museum



*Ostichthys delta*, redcoat soldierfish, 15 cm SL (Réunion).

© J.F. Randall, Bishop Museum



*Ostichthys sufensis*, Red Sea soldierfish, 21 cm TL (Red Sea).

© J.F. Randall, Bishop Museum

## Family HOLOCENTRIDAE, Squirrelfishes, soldierfishes



*Plectrypops lima*, shy soldierfish, 12 cm SL (Rodrigues).

© P. Heemstra © NFR-SABAB



*Pristilepis oligolepis*, spinyface soldierfish, 25 cm TL (Japan).

© J.E Randall, Bishop Museum



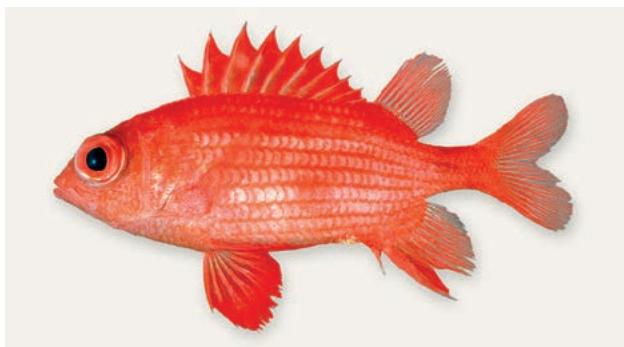
*Sargocentron caudimaculatum*, tailspot squirrelfish, 21 cm TL (Red Sea).

© J.E Randall, Bishop Museum



*Sargocentron diadema*, crown squirrelfish, 14 cm TL (Réunion).

© J.E Randall, Bishop Museum



*Sargocentron inaequalis*, lattice squirrelfish, 9 cm TL (Chagos).

© R.Winterbottom, ROM



*Sargocentron ittodai*, samurai squirrelfish, 16 cm TL (Mauritius).

© J.E Randall, Bishop Museum



*Sargocentron macrosquamis*, dwarf squirrelfish, 6 cm TL (Maldives).

© J.E Randall, Bishop Museum



*Sargocentron marisrubri*, Red Sea squirrelfish, 15 cm TL (Red Sea).

© J.E Randall, Bishop Museum

## Family HOLOCENTRIDAE, Squirrelfishes, soldierfishes



*Sargocentron melanospilos*, blackspot squirrelfish, 5 cm SL (Seychelles).

© C. Heemstra © NPF-SAFB



*Sargocentron melanospilos*, blackspot squirrelfish, 13 cm TL (New Caledonia).

© JE Randall, Bishop Museum



*Sargocentron melanospilos*, blackspot squirrelfish, 14 cm TL (Maldives).

© JE Randall, Bishop Museum



*Sargocentron microstoma*, slender squirrelfish, 16 cm TL (Maldives).

© JE Randall, Bishop Museum



*Sargocentron praslin*, dark-striped squirrelfish, 17 cm TL (Solomon Is.).

© JE Randall, Bishop Museum



*Sargocentron punctatissimum*, speckled squirrelfish, 9 cm TL (Maldives).

© JE Randall, Bishop Museum



*Sargocentron rubrum*, russet squirrelfish, 14 cm TL (Red Sea).

© JE Randall, Bishop Museum



*Sargocentron seychellense*, yellow-tipped squirrelfish, 15 cm SL (Mauritius).

O Aliheim © IMR/ASCLME

## Family HOLOCENTRIDAE, Squirrelfishes, soldierfishes



*Sargocentron seychellense*, yellow-tipped squirrelfish, 17 cm TL (Seychelles).

© JE Randal, Bishop Museum



*Sargocentron spiniferum*, sabre squirrelfish, 30 cm TL (Marshall Is.).

© JE Randal, Bishop Museum



*Sargocentron spiniferum*, sabre squirrelfish (Red Sea).

© JE Randal, Bishop Museum



*Sargocentron tiere*, red squirrelfish, 22 cm TL (Maldives).

© JE Randal, Bishop Museum



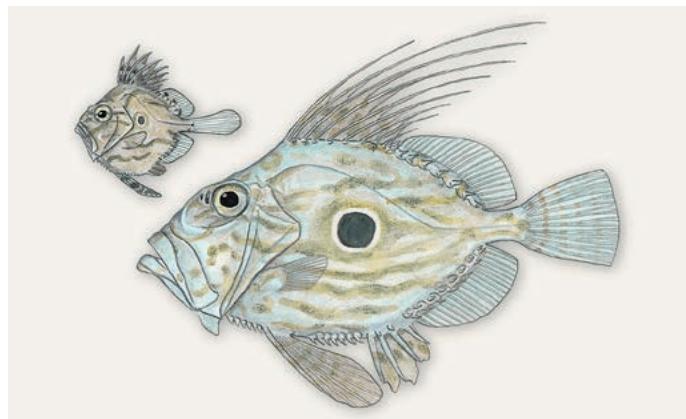
*Sargocentron tiereoides*, pink squirrelfish, 15 cm TL (Maldives).

© JE Randal, Bishop Museum



*Sargocentron violaceum*, white-edged squirrelfish, 34 cm TL (Maldives).

© JE Randal, Bishop Museum

Family **ZEIDAE**, Dories*Zenopsis conchifer*, buckler dory, 49 cm SL (Azores).*Zeus capensis*, Cape dory, 15 cm SL (South Africa).*Zeus faber*, John dory, 3 cm TL, juvenile (Angola); 39 cm TL, adult (South Africa).

Source: CFSA

Family **CYTTIDAE**, Zipper dories*Cyttus traversi*, zipper dory, 30 cm TL (South Africa).*Cyttus traversi*, zipper dory, 9 cm TL (South Africa).

PC Heemstra © NFR-SALAB

O Almheim © IMR

Family **PARAZENIDAE**, Parazens*Cyttopsis rosea*, rosy dory (SW India).

KK Bineesh © CMFR

*Cyttopsis rosea*, rosy dory, 16 cm SL (Japan).

© S Kimura, FRLM

*Parazen pacificus*, parazen, 10 cm SL (Mozambique).

PC Heemstra © NRI-SAIAB

*Allocyttus verrucosus*, warty oreo, 3 cm TL, young juvenile (South Africa).

O Alvhheim © IMR

*Allocyttus verrucosus*, warty oreo, 27 cm TL (South Africa).

O Alvhheim © IMR

## Family OREOSOMATIDAE, Oreos

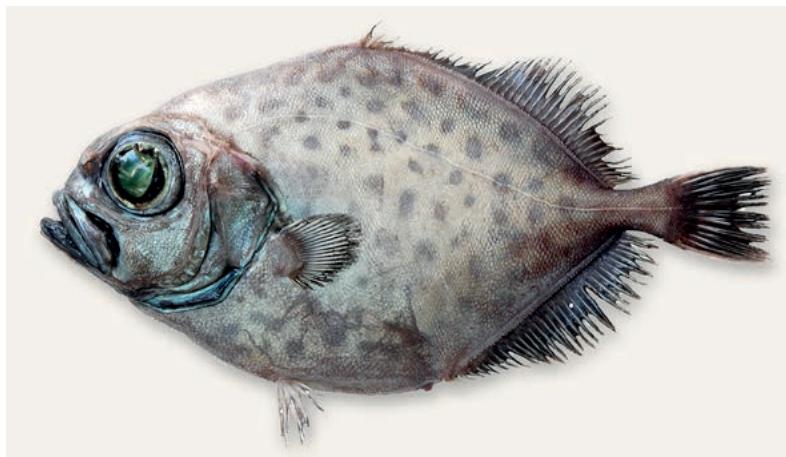


*Oreosoma atlanticum*, ox-eye oreo, 4 cm TL, young juvenile (South Africa).



*Oreosoma atlanticum*, ox-eye oreo, 12 cm SL (Mozambique).

PC Heemstra © NRI-SAIAB



*Pseudocyttus maculatus*, rough-edge oreo, 28 cm TL (South Africa).

O Alvhheim © IMR

## Family ZENIONTIDAE, Dwarf dories



*Zenion hololepis*, dwarf dory, 12 cm TL (Mozambique).



*Zenion leptolepis*, elongate dory, 7 cm SL (N Mozambique).

© F Uiblein, IMR

## Family GRAMMICOLEPIDIDAE, Tinsel-fishes



*Grammicolepis brachiusculus*, thorny tinsel-fish, 22 cm SL (W Atlantic Ocean).



*Xenolepidichthys dagleishi*, spotted tinsel-fish, 11 cm SL (Mozambique).



*Xenolepidichthys dagleishi*, spotted tinsel-fish, 7 cm SL, juvenile (Mozambique).

© P. Heemstra © NRF-SAIAB

## Family PEGASIDAE, Seamoths



*Eurypegasus draconis*, broad seamoth, 7 cm SL, lateral view (Red Sea).

© J.F. Randall, Bishop Museum



*Eurypegasus draconis*, broad seamoth, ~8 cm TL (South Africa).

© D.A. Black



*Pegasus laternarius*, sabre seamoth, ~7 cm TL (Indian Ocean).

## Family PEGASIDAE, Seamoths



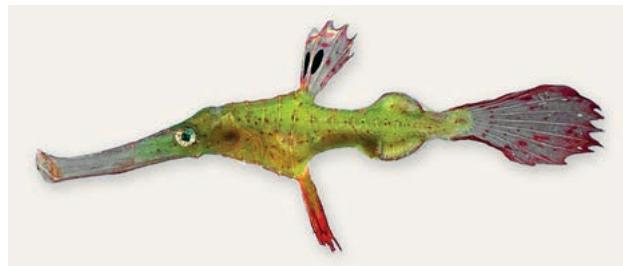
© JE Randall, Bishop Museum

*Pegasus volitans*, longtail seamotoh, 8 cm SL, dorsal view (Bahrain).

## Family SOLENOSTOMIDAE, Ghost pipefishes



© R Field

*Solenostomus cyanopterus*, robust ghost pipefish (Saudi Arabia).

PC Heemstra © NRM-SA/NAB

*Solenostomus cyanopterus*, robust ghost pipefish, 42 mm SL (South Africa).

© G de Ville

*Solenostomus cf. cyanopterus*, ghost pipefish (South Africa). #

C Flores © ORI/SAAMBR

*Solenostomus cf. cyanopterus*, ghost pipefish, immature male (South Africa). #

© G Barsch

*Solenostomus halimeda*, Halimeda ghost pipefish (Maldives).

# = no species account



PC Heemstra © NRM-SA/NAB

*Solenostomus paradoxus*, ornate ghost pipefish, 90 mm SL (Comoros).

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Acentronura mossambica*, Mozambique pygmy pipehorse  
(S Mozambique).

© V Fraser



*Acentronura mossambica*, Mozambique pygmy pipehorse, 6 cm TL,  
with seagrass (S Mozambique).

PC Heemstra © NRI-SAIB



*Acentronura tentaculata*, hairy pygmy pipehorse (Red Sea).

© SV Bogorodsky



*Acentronura* sp., Aliwal pygmy pipehorse, 44 mm SL, female  
(South Africa).

PC Heemstra © NRI-SAIB



*Bulbonaricus davaoensis*, Davao pughead pipefish (Japan).

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*Choeroichthys valencienni*, Indian short-bodied pipefish (Red Sea).

© SV Bogorodsky



*Choeroichthys sculptus*, sculptured pipefish, 5 cm SL (Kiribati).

© JE Randall, Bishop Museum

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Choeroichthys valencienni*, Indian short-bodied pipefish, 4 cm SL (Saudi Arabia).



*Choeroichthys valencienni*, Indian short-bodied pipefish, 4 cm SL (Mauritius).



*Corythoichthys amplexus*, brown-banded pipefish, female with typical WIO pattern (Seychelles).



*Corythoichthys amplexus*, brown-banded pipefish, male (Seychelles).



*Corythoichthys flavofasciatus*, yellow-banded pipefish, gravid male above, female below (Oman).

© JE Randall, Bishop Museum



*Corythoichthys flavofasciatus*, yellow-banded pipefish, 10 cm SL (Seychelles).

© JE Randall, Bishop Museum

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KA Moots © NRF-SAIAB

KA Moots © NRF-SAIAB

PC Heemstra © NRF-SAIAB

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Corythoichthys haematopterus*, reef-top pipefish, pale form (Seychelles).



*Corythoichthys haematopterus*, reef-top pipefish, lateral and ventral views (Seychelles).



*Corythoichthys insularis*, cheeked pipefish, 9 cm SL (Mauritius).



*Corythoichthys haematopterus*, reef-top pipefish, 13 cm SL (Maldives).

© JF Randall, Bishop Museum



*Corythoichthys nigripectus*, black-breasted pipefish (Red Sea).

KA Moots © NRF-SAIAB

KA Moots © NRF-SAIAB

PC Heemstra © NRF-SAIAB

© SV Bogaardsky

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Corythoichthys schultzi*, Schultz's pipefish, 10 cm SL (Sudan).

© JE Randall, Bishop Museum



*Cosmocampus banneri*, roughridge pipefish, ~6 cm SL (Oman).

© JE Randall, Bishop Museum



*Cosmocampus banneri*, roughridge pipefish, 5 cm SL, brooding male (South Africa).

© PC Heemstra © NPF-SALAB



*Cosmocampus investigatoris*, investigator pipefish (Indonesia).

© GR Allen



*Cosmocampus maxweberi*, Weber's pipefish (Red Sea).

© SV Bogorodsky



*Cosmocampus maxweberi*, Weber's pipefish, 5 cm SL (American Samoa).

© JE Randall, Bishop Museum

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Doryrhamphus abbreviatus*, Red Sea pipefish, 4 cm SL (Red Sea).

© SV Bogorodsky



*Doryrhamphus aurolineatus*, orangestripe pipefish, 3 cm SL (Oman).

© JE Randall, Bishop Museum



*Doryrhamphus bicarinatus*, narrowstripe pipefish, 4 cm SL (South Africa).

PC Heemstra © NHF-SA/NAB



*Doryrhamphus excisus*, bluestripe pipefish, 6 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Dunckerocampus boylei*, broad-banded pipefish, 16 cm SL, female (South Africa).

PC Heemstra © NHF-SA/NAB

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



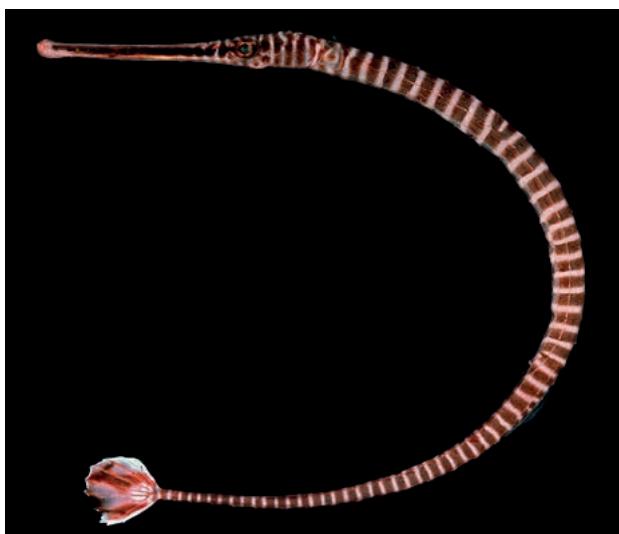
*Doryrhamphus bicarinatus*, narrowstripe pipefish (South Africa).

© P Laubscher



*Dunckerocampus multiannulatus*, many-banded pipefish (Red Sea).

© SV Bogorodsky



*Dunckerocampus multiannulatus*, many-banded pipefish, 12 cm SL (Gulf of Aqaba).

© JF Randall, Bishop Museum



*Festucalex erythraeus*, red pipefish, 8 cm SL (Seychelles).

© JF Randall, Bishop Museum



Pc Heemstra © NFFF-SAVAB

*Halicampus boothae*, Booth's pipefish, 11 cm SL (South Africa).

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Halicampus dunckeri*, dusky pipefish (South Africa).



*Halicampus dunckeri*, dusky pipefish (Red Sea).



*Halicampus grayi*, mud pipefish (Indonesia).

© V Fraser

© SV Bogorodsky

© GR Allen

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Halicampus macrorhynchus*, ornate pipefish, 10 cm SL, juvenile (Red Sea).



*Halicampus macrorhynchus*, ornate pipefish, 13 cm SL (Red Sea).



*Halicampus macrorhynchus*, ornate pipefish, 13 cm SL (off Mauritius).



*Halicampus macrorhynchus*, ornate pipefish (Indonesia).

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© JE Randall, Bishop Museum

O Alveim © IMR

© W Osborn

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Halicampus mataafae*, Samoan pipefish, 12 cm TL (South Africa).

© R.Winterbottom, ROM



*Halicampus spinirostris*, spiny-snout pipefish, 14 cm SL (Vietnam).

© R.Winterbottom, ROM



*Halicampus mataafae*, Samoan pipefish, 4 cm SL (Red Sea).

© SV Bogorodsky



*Halicampus zavorensis*, Zavora pipefish, 10 cm SL (South Africa).

PC Heemstra © NRF-SAIAB



*Halicampus zavorensis*, Zavora pipefish (South Africa).

© D.Swanepoel

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses

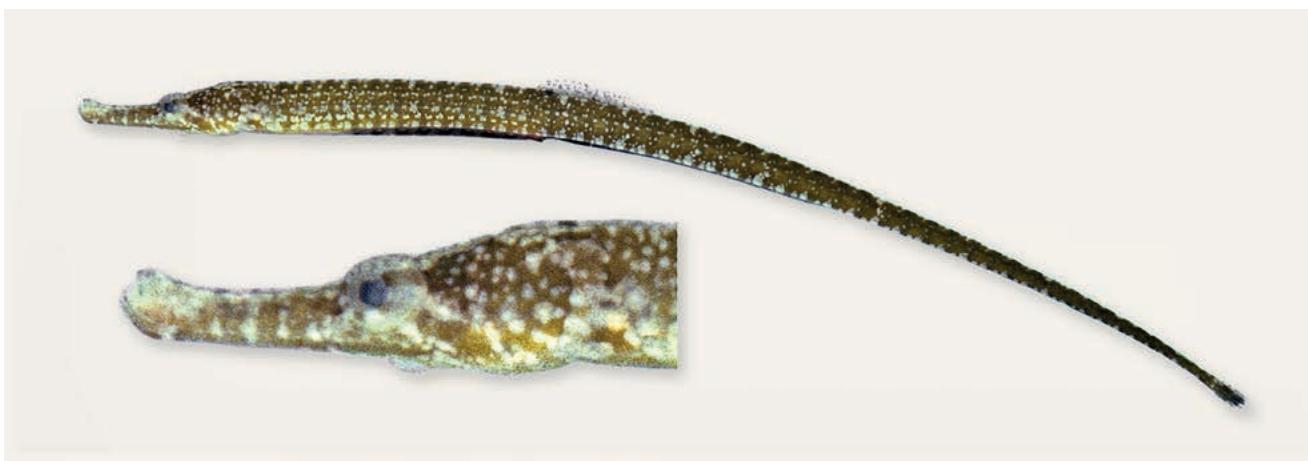


*Hippichthys cyanospilos*, blue-speckled pipefish, 10 cm SL  
(S Mozambique).



*Hippichthys cyanospilos*, blue-speckled pipefish, 9 cm SL (Red Sea).

© SV Bogorodsky



*Hippichthys heptagonus*, Madura pipefish, 9 cm SL (Thailand).

© R Winterbottom, ROM



*Hippichthys penicillatus*, beady pipefish, 10 cm SL (Bahrain).

© JE Randall, Bishop Museum

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Hippichthys spicifer*, bellybarred pipefish, 10 cm SL (S Mozambique).



*Hippocampus borboniensis*, Réunion seahorse (S Mozambique).



*Hippichthys spicifer*, bellybarred pipefish, 9 cm SL (Red Sea).



*Hippichthys spicifer*, bellybarred pipefish (Mozambique).



*Hippocampus borboniensis*, Réunion seahorse, 6 cm TL, male (Seychelles).



*Hippocampus camelopardalis*, giraffe seahorse, 5 cm SL (S Mozambique).



*Hippocampus capensis*, Knysna seahorse (South Africa).

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© SV Bogorodsky

© J. Strömell

© R. Bills © NRF-SA/NAB

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Hippocampus comes*, tiger-tail seahorse  
(Thailand).



*Hippocampus debelius*, softcoral seahorse,  
female (Red Sea).



*Hippocampus debelius*, softcoral seahorse,  
male (Red Sea).



*Hippocampus fuscus*, drab seahorse, 6 cm TL  
(Red Sea).



*Hippocampus jayakari*, spiny seahorse,  
7 cm TL (Gulf of Aqaba).



*Hippocampus jayakari*, spiny seahorse,  
4 cm TL (Gulf of Aqaba).



*Hippocampus kuda*, spotted seahorse,  
14 cm TL (Mozambique).



*Hippocampus* sp. 1, African thorny seahorse,  
18 cm SL (Gulf of Aqaba).



*Hippocampus* sp. 1, African thorny seahorse  
(South Africa).

© I Black

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© G de Valle

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Hippocampus natalensis*, cryptic seahorse (S Mozambique).

© J Stroeven



*Hippocampus natalensis*, cryptic seahorse (S Mozambique).

© V Fraser



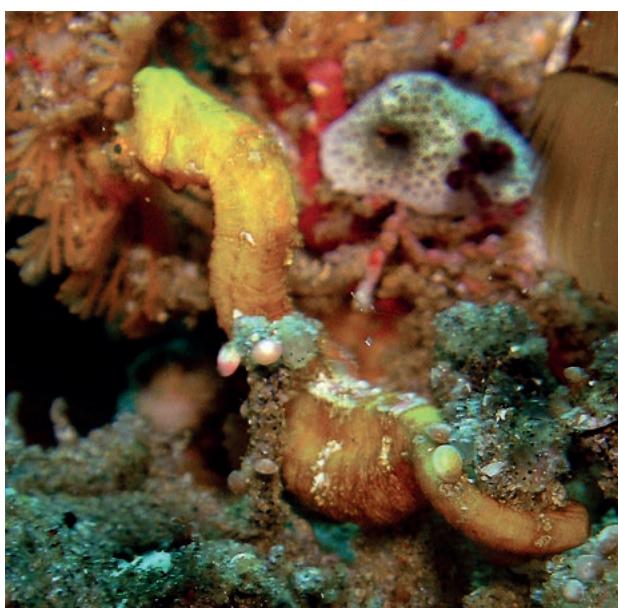
*Hippocampus* sp. 2, African short-snouted thorny seahorse (South Africa).

© J Kamminga



*Hippocampus* sp. 3, Sodwana puff seahorse (South Africa).

© C van Jaarsveld



*Hippocampus* sp. 3, Sodwana puff seahorse (South Africa).

© N Ayilffe



*Hippocampus nalu*, Sodwana pygmy seahorse (South Africa).

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Hippocampus suezensis*, Egyptian seahorse,  
4 cm SL (Persian/Arabian Gulf).



*Hippocampus suezensis*, Egyptian seahorse  
(Red Sea).



*Hippocampus tyro*, 6 cm TL, female holotype  
(Seychelles).

© JE Randall, Bishop Museum



*Kyonemichthys rumengani*, pygmy pipedragon (Red Sea).

© SV Bogorodsky



*Lissocampus bannwarthi*, Suez pipefish, 13 cm SL (Egypt).

© JE Randall, Bishop Museum



*Micrognathus andersonii*, shortnose pipefish (Red Sea).

© SV Bogorodsky

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Micrognathus andersonii*, shortnose pipefish, 2 cm SL (Red Sea).

© SV Bogorodsky



*Micrognathus andersonii*, shortnose pipefish, 7 cm SL (Bahrain).

© JE Randall, Bishop Museum



*Micrognathus* sp., 3 cm SL (Rodrigues). #

PC Heemstra © NFR-SAIAB



Source: Skelton 1993

*Microphis millepunctatus*, thousand-spot river pipefish, 15 cm SL, female (South Africa).

# = no species account

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Microphis argulus*, flatnosed river pipefish (Réunion).

© P Reith, MNHN



*Microphis ocellatus*, ocellated river pipefish (Sri Lanka).

Source: Pethiyagoda 1991



*Microphis brachyurus*, shorttailed river pipefish, 16 cm SL (Palau).

© R Winterbottom, ROM



*Microphis fluviatilis*, freshwater pipefish, 13 cm SL (N Mozambique).

R Bills © NRF-SAIAB



*Microphis millepunctatus*, thousand-spot river pipefish, 10 cm SL (Mauritius).

PC Heemstra © NRF-SAIAB



*Microphis ocellatus*, ocellated river pipefish (Sri Lanka).

Source: Pethiyagoda 1991

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses

*Minyichthys myersi*, Myer's pipefish, 4 cm TL (Indonesia).

© R.H. Kuiter

*Nannocampus elegans*, elegant pipefish, 5 cm SL (S Mozambique).

PC Heemstra © NRF-SAIAB

*Nannocampus elegans*, elegant pipefish (South Africa).

© M. Morris &amp; D. Pitchard

*Nannocampus* sp., deepwater nanno, 54 mm SL (South Africa).

PC Heemstra © NRF-SAIAB

*Nannocampus pictus*, painted reef pipefish, 65 mm SL (Comoros).

© R. Winterbottom, ROM

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



© SV Bogorodsky

*Phoxocampus belcheri*, rock pipefish, 4 cm SL (Red Sea).

© RH Kuiter

*Phoxocampus diacanthus*, pale-blotted pipefish, ~5 cm TL (Australia).

© SV Bogorodsky

*Siokunichthys bentuviai*, Bentuvia's pipefish, 6 cm SL (Red Sea).

© RH Kuiter

*Solegnathus hardwickii*, Hardwick's pipehorse, 45 cm TL (Japan). #

© SV Bogorodsky

*Siokunichthys bentuviai*, Bentuvia's pipefish (Red Sea).

© A Ryansky

*Siokunichthys breviceps*, softcoral pipefish (Indonesia).

© W Tan

*Siokunichthys herrei*, Herre's pipefish (Indonesia).

# = no species account

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



*Syngnathoides biaculeatus*, alligator pipehorse, 19 cm SL (S Mozambique).



*Syngnathus abaster*, black-striped pipefish (Black Sea).



*Syngnathus macrourus*, Hurghada pipefish, 9 cm SL (Gulf of Suez).



*Syngnathus safina*, wreck pipefish (Gulf of Aqaba).

© P. Heemstra © NRF-SAIAB

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© SV Bogorodsky

© T Paulius

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



PC Heemstra © NRF-SAIAB

*Syngnathus temminckii*, African longnose pipefish, 16 cm SL  
(South Africa).



© J Swanepoel

*Syngnathus temminckii*, African longnose pipefish (South Africa).



© G Zuluvez, SAIAB

*Syngnathus temminckii*, African longnose pipefish (South Africa).



AK Whitfield © NRF-SAIAB

*Syngnathus watermeyeri*, Watermeyer's pipefish, ~9 cm SL  
(South Africa).



PC Heemstra © NRF-SAIAB

*Syngnathus watermeyeri*, Watermeyer's pipefish, 12 cm SL  
(South Africa).



PC Heemstra © NRF-SAIAB

*Trachyrhamphus bicoarctatus*, double-ended pipefish, 39 cm SL, male  
(Red Sea).

## Family SYNGNATHIDAE, Pipefishes, pipehorses, seahorses



© J Stromvoll

*Trachyrhamphus bicoarctatus*, double-ended pipefish (S Mozambique).

© V Fraser

*Trachyrhamphus bicoarctatus*, double-ended pipefish (S Mozambique).

© JF Randall, Bishop Museum

*Trachyrhamphus bicoarctatus*, double-ended pipefish, 39 cm SL (Seychelles).

© V Bogorodsky

*Trachyrhamphus bicoarctatus*, double-ended pipefish, juvenile (Red Sea).

© V Bogorodsky

*Trachyrhamphus longirostris*, long-snouted pipefish, 20 cm SL (Red Sea).

© R H Kuiter

*Trachyrhamphus longirostris*, long-snouted pipefish, 30 cm TL (Indonesia).

## Family AULOSTOMIDAE, Trumpetfishes



*Aulostomus chinensis*, Chinese trumpetfish, 16 cm TL, juvenile (N Mozambique).

© A. Ahnheim © IMR



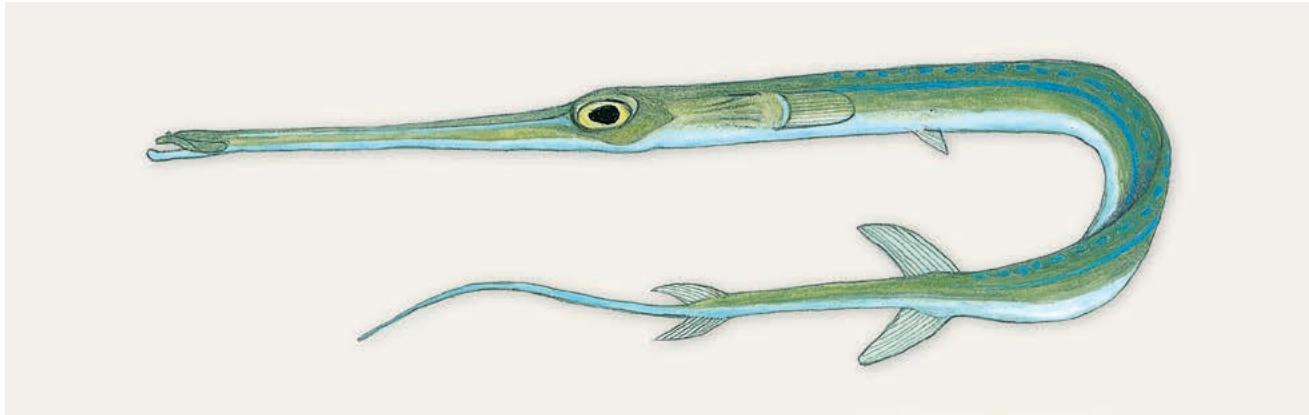
*Aulostomus chinensis*, Chinese trumpetfish (South Africa).



*Aulostomus chinensis*, Chinese trumpetfish (Red Sea).

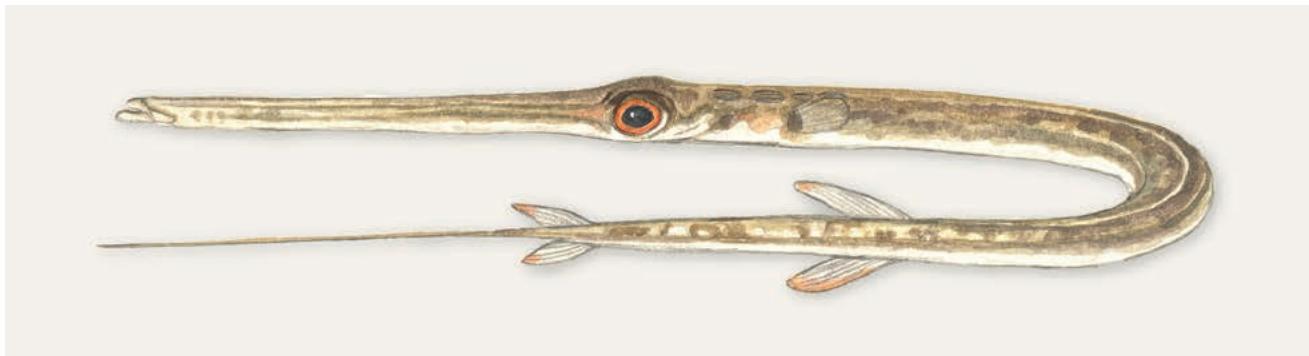
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## Family FISTULARIIDAE, Flutemouths



Source: CFSA

*Fistularia commersonii*, smooth flutemouth, 48 cm TL (South Africa).



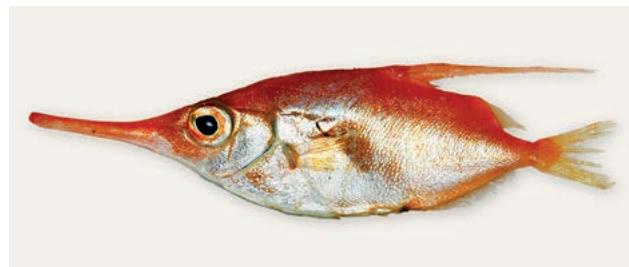
*Fistularia petimba*, serrate flutemouth, 29 cm FL (Mozambique).

Family **FISTULARIIDAE**, Flutemouths

© SV Bogorodsky

*Fistularia petimba*, serrate flutemouth, 50 cm SL (Red Sea).Family **MACRORAMPHOSIDAE**, Snipefishes, bellowsfishes

O Alwheim © IMR

*Centriscops humerosus*, banded snipefish, 14 cm TL, juvenile (South Africa).

S Ribes © AV2010

*Macroramphosus gracilis*, slender snipefish (Madagascar).

PC Heemstra © NRI-SNAB

*Macroramphosus scolopax*, deep-body snipefish, 9 cm SL (Mozambique).

O Alwheim © IMR

*Notopogon macrosolen*, smooth bellowsfish, 23 cm SL, male (South Africa).

S Ribes © AV2010

*Notopogon xenosoma*, longspine bellowsfish, 11 cm SL (Madagascar).

Family **CENTRISCIDAE**, Shrimpfishes

© SVBogenrodt

*Aeoliscus punctulatus*, spotted shrimpfish (Gulf of Aqaba).

© R Koch

*Aeoliscus punctulatus*, spotted shrimpfish (Mozambique).

© JFRandall, Bishop Museum

*Aeoliscus strigatus*, striped shrimpfish, 11 cm TL (Seychelles).

© JFRandall, Bishop Museum

*Centriscus scutatus*, groovy shrimpfish, 9 cm TL (Kuwait).Family **SCORPAENIDAE**, Scorpionfishes, lionfishes

© JFRandall, Bishop Museum

*Brachypterois serrulata*, sawcheek scorpionfish, 8 cm SL (Oman).

© JFRandall, Bishop Museum

*Caracanthus madagascariensis*, Madagascar coral croucher, 3 cm SL (Seychelles).

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



*Caracanthus unipinna*, pygmy coral croucher, 3 cm SL (Comoros).

PC Heemstra © NRM-SAIAB



*Dendrochirus biocellatus*, ocellated lionfish, 4 cm SL (Comoros).

PC Heemstra © NRM-SAIAB



*Dendrochirus hemprichi*, Red Sea dwarf lionfish (Red Sea).

© SV Bogorodsky



*Dendrochirus hemprichi*, Red Sea dwarf lionfish, 10 cm SL (Red Sea).

PC Heemstra © NRM-SAIAB



*Dendrochirus zebra*, zebra lionfish, 5 cm SL (Seychelles).

PC Heemstra © NRM-SAIAB



*Ebosia falcata*, falcate lionfish, 12 cm TL, female (Myanmar).

O Alvheim © IMR



*Ebosia falcata*, falcate lionfish, 15 cm TL, male (Myanmar).

O Alvheim © IMR



*Ebosia vespertina*, western falcate lionfish, male (Madagascar).

M Lee © AVZ 2010

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



R Palmer © NRF-SAJAB

*Ebisia vespertina*, western falcate lionfish, female (South Africa).

PC Heemstra © NRF-SAJAB

*Helicolenus dactylopterus*, jacopever, 23 cm SL (Mozambique).

PC Heemstra © NRF-SAJAB

*Iracundus signifer*, decoy scorpionfish, 7 cm SL (South Africa).

PC Heemstra © NRF-SAJAB

*Neomerinthe nielseni*, spotfin scorpionfish, 7 cm SL (N Mozambique).

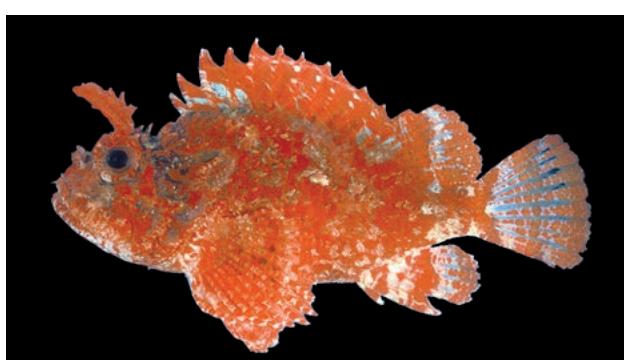
R Palmer © NRF-SAJAB

*Parapterois heterura*, blackfoot firefish (South Africa).

PC Heemstra © NRF-SAJAB

*Parascorpaena aurita*, golden scorpionfish, 35 mm SL (Seychelles).

© JE Randall, Bishop Museum

*Parascorpaena mcdadmsi*, McAdam's scorpionfish, 7 cm SL (South Africa).

PC Heemstra © NRF-SAJAB

*Parascorpaena mossambica*, Mozambique scorpionfish, 8 cm SL (South Africa).

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



*Pontinus nigerimum*, blacklash scorpionfish, 27 cm TL  
(Saya de Malha Bank).

© Alkheim © IMRASCLME



*Pontinus nigerimum*, blacklash scorpionfish, 19 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB



*Pteroidichthys amboinensis*, Ambon scorpionfish, 4 cm SL (Indonesia).

© JF Randall, Bishop Museum



*Pterois antennata*, broadbarred lionfish, 17 cm SL (South Africa).

PC Heemstra © NRF-SAIAB



*Pterois brevifpectoralis*, short-finned lionfish, 12 cm SL  
(Saya de Malha Bank).

© HUMZ



*Pterois cincta*, Red Sea lionfish (Red Sea).

© SV Bogorodsky

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



*Pterois miles*, devil firefish, 31 cm SL, adult (Seychelles).

O Albrecht © IMR



*Pterois mombasae*, Mombasa turkeyfish, 14 cm SL (Oman).

© JE Randall, Bishop Museum



*Pterois radiata*, radial lionfish, 12 cm SL (Seychelles).

PC Heemstra © NRI-SAHAB



*Pterois russelii*, plaintail lionfish, 18 cm SL (SW India).

© JE Randall, Bishop Museum



*Pterois russelii*, plaintail lionfish, 18 cm TL (N Mozambique).

O Albrecht © IMR



*Rhinopias eschmeyeri*, Eschmeyer's scorpionfish (South Africa).

© JFereira



*Rhinopias frondosa*, weedy scorpionfish, 12 cm SL (N Mozambique).

PC Heemstra © NRI-SAHAB



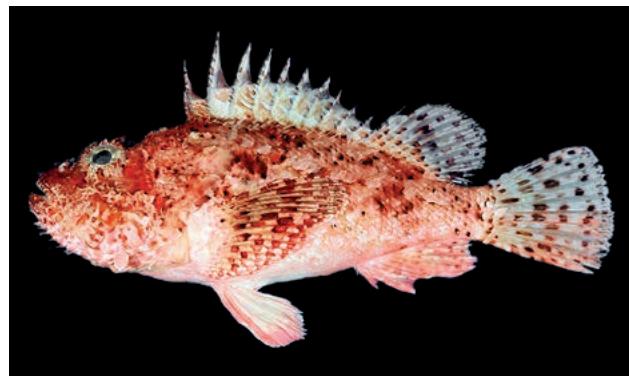
*Rhinopias xenops*, tattered scorpionfish, 12 cm SL (Hawaii).

© JE Randall, Bishop Museum

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



Scorpaena cf. scrofa, red bigscale scorpionfish, ~30 cm TL (South Africa).



Scorpaena cf. scrofa, red bigscale scorpionfish, 18 cm SL (South Africa). © PC Heemstra, © NRF-SAIAB



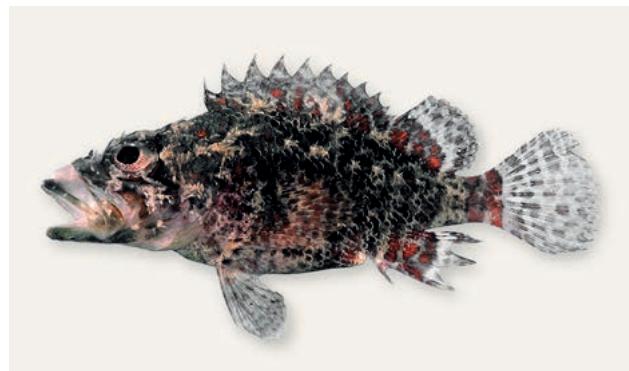
Scorpaenodes albaiensis, long-rayed scorpionfish, 6 cm SL (Maldives). © JF Randall, Bishop Museum



Scorpaenodes corallinus, coral scorpionfish, 6 cm SL (Hawaii). © JF Randall, Bishop Museum



Scorpaenodes evides, cheekspot scorpionfish, 8 cm SL (Oman). © JF Randall, Bishop Museum



Scorpaenodes guamensis, Guam scorpionfish, 6 cm SL (Rodrigues). © PC Heemstra, © NRF-SAIAB



Scorpaenodes guamensis, Guam scorpionfish (Red Sea). © SV Bogorodsky

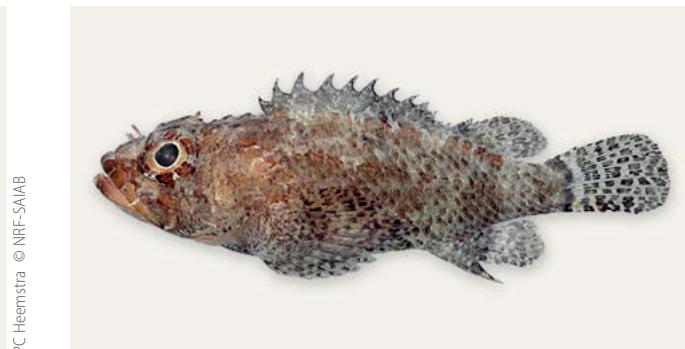


Scorpaenodes hirsutus, hairy scorpionfish (Red Sea). © SV Bogorodsky

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



Scorpaenodes hirsutus, hairy scorpionfish, 3 cm SL (South Africa).



Scorpaenodes kelloggi, dwarf scorpionfish, 3 cm SL (Seychelles).



Scorpaenodes minor, minor scorpionfish, 4 cm SL (Japan).



Scorpaenodes parvipinnis, lowfin scorpionfish, 8 cm SL (South Africa).



Scorpaenodes parvipinnis, lowfin scorpionfish (Red Sea).



Scorpaenodes steinitzi, Steinitz's scorpionfish, 5 cm SL (Gulf of Aqaba).



Scorpaenodes steinitzi, Steinitz's scorpionfish (Red Sea).



Scorpaenodes varipinnis, blotchfin scorpionfish, 5 cm SL (Comoros).

PC Heemstra © NFR-SAIAB

PC Heemstra © NFR-SAIAB

© JE Randall, Bishop Museum

PC Heemstra © NFR-SAIAB

© SV Bogorodsky

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## Family SCORPAENIDAE, Scorpionfishes, lionfishes



*Scorpaenopsis barbata*, bearded scorpionfish, 15 cm SL (Oman).

© JE Randall, Bishop Museum



*Scorpaenopsis cotticeps*, sculpin scorpionfish, 5 cm SL (Philippines).

© JE Randall, Bishop Museum



*Scorpaenopsis diabolus*, false scorpionfish, 9 cm SL (South Africa).

PC Heemstra © NRI-SAAB



*Scorpaenopsis gibbosa*, humpbacked scorpionfish, 6 cm SL (Rodrigues).

PC Heemstra © NRI-SAAB



*Scorpaenopsis gilchristi*, Gilchrist's scorpionfish, 4 cm SL (South Africa).

PC Heemstra © NRI-SAAB



*Scorpaenopsis longispina*, longspined false stonefish, 8 cm SL (Rodrigues).

PC Heemstra © NRI-SAAB



*Scorpaenopsis macrochir*, rough humpbacked scorpionfish, ~9 cm TL (Indonesia).

© JE Randall, Bishop Museum



*Scorpaenopsis neglecta*, yellowfin scorpionfish, 8 cm SL (India).

© JE Randall, Bishop Museum

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



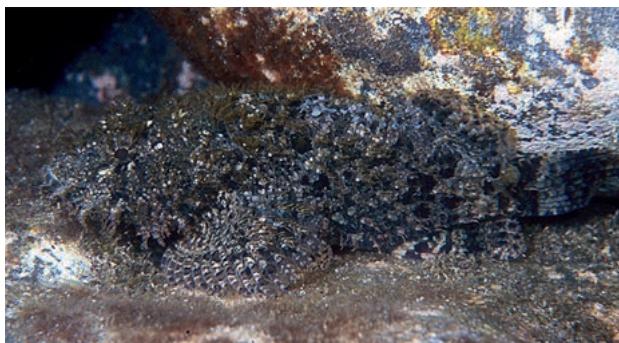
*Scorpaenopsis oxycephala*, tasselled scorpionfish, 9 cm SL (Seychelles).

© JE Randall, Bishop Museum



*Scorpaenopsis possi*, Poss's scorpionfish, 14 cm SL (Red Sea).

© SV Bogorodsky



*Scorpaenopsis ramaraoi*, Rama-Rao's scorpionfish.

© JE Randall, Bishop Museum



*Scorpaenopsis venosa*, raggy scorpionfish, 7 cm SL (SW India).

© JE Randall, Bishop Museum



*Scorpaenopsis vittapinna*, bigmouth scorpionfish, 5 cm SL (South Africa).

© PC Heemstra © NPF-SNAB



*Scorpaenopsis vittapinna*, bigmouth scorpionfish, 4 cm SL (South Africa).

© JE Randall, Bishop Museum



*Sebastapistes cyanostigma*, yellowspotted scorpionfish, 5 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Sebastapistes cyanostigma*, yellowspotted scorpionfish (Red Sea).

© JE Randall, Bishop Museum

## Family SCORPAENIDAE, Scorpionfishes, lionfishes



*Sebastapistes fowleri*, dwarf scorpionfish, 2 cm SL (French Polynesia).

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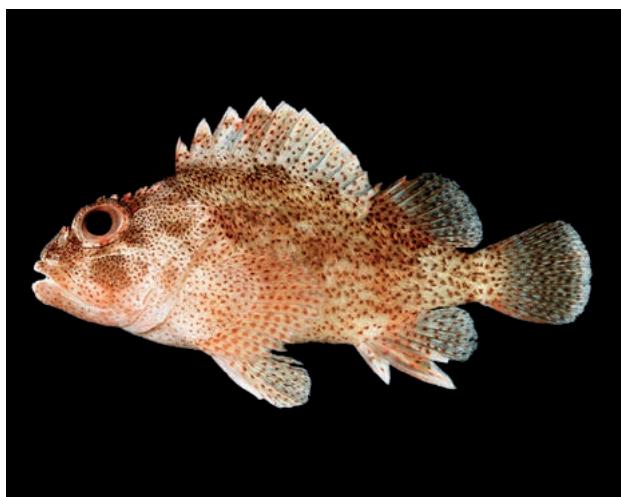
*Sebastapistes mauritiana*, spineblotch scorpionfish, 6 cm SL (Mauritius).

© JE Randall, Bishop Museum



*Sebastapistes strongia*, barchin scorpionfish (Red Sea).

© SV Bogorodsky



*Sebastapistes tinkhami*, darkspotted scorpionfish, 4 cm SL (Réunion).

© JE Randall, Bishop Museum



*Sebastes capensis*, false jacopever, 28 cm TL (South Africa). #

O Alvhheim © IMR



*Taenianotus triacanthus*, paperfish, ~10 cm SL (Comoros).

PC Heemstra © NRF-SAIAB

# = no species account

## Family TETRAROGIDAE, Waspfishes



*Ablabys binotatus*, redskinfish, 3 cm SL (S Mozambique).

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*Ablabys macracanthus*, spiny waspfish (Indonesia).

© C. Floros



*Ablabys taenianotus*, cockatoo waspfish, ~10 cm TL (Indonesia).

© D.A. Pollock



*Coccotropsis gymnoderma*, smooth-skin waspfish, 4 cm SL (South Africa).

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*Coccotropsis gymnoderma*, smooth-skin waspfish (South Africa).

© G.Zilavez, SURG



*Ocosia possi*, Poss's waspfish (Mascarene Ridge).

© O. Alvheim © IMR/ASCLME



*Paracentropogon longispinis*, wispy waspfish, ~10 cm TL (Indonesia).

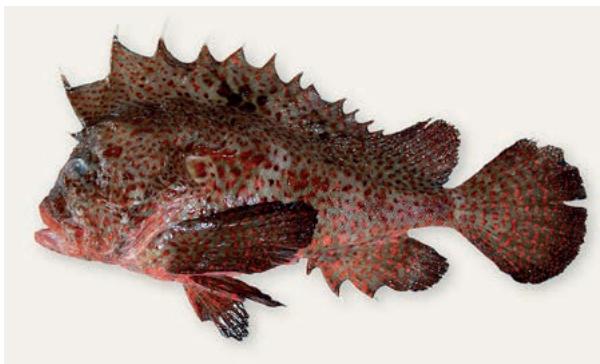
© D.A. Pollock



*Richardsonichthys leucogaster*, whiteface waspfish, 8 cm SL (Mozambique).

© P.C. Heemstra © NRI-SAB

## Family TETRAROGIDAE, Waspfishes



*Snyderina guentheri*, Günther's waspfish, 17 cm TL (SW India).

KK Bremer © CMRI



*Snyderina* sp., 13 cm SL (Mozambique Channel). #

PC Heemstra © NRF-SAIAB



*Snyderina* sp., Mozambique Channel waspfish (South Africa). #

© P Timm



*Vespicula dracaena*, brown smooth stingfish, 3 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

## Family APLOACTINIDAE, Velvetfishes



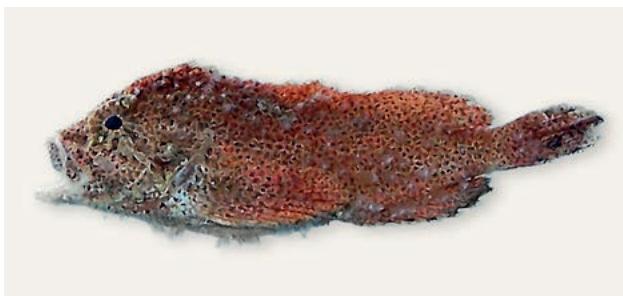
*Acanthosphex leuynnis*, wasp-spine velvetfish, ~10 mm TL (Philippines).

© P Marker



*Acanthosphex leuynnis*, wasp-spine velvetfish (New Guinea).

© GR Allen



*Cocotropus monacanthus*, roughskin velvetfish, 25 mm SL (South Africa).

© A Grant © NRF-SAIAB



*Cocotropus roseomaculatus*, rose-spotted velvetfish, 29 mm SL, type (South Africa).

© H Imamura

# = no species account

## Family APLOACTINIDAE, Velvetfishes



© D Golani, HUJ

*Cocotropus steinitzi*, Steinitz's velvetfish (Red Sea).



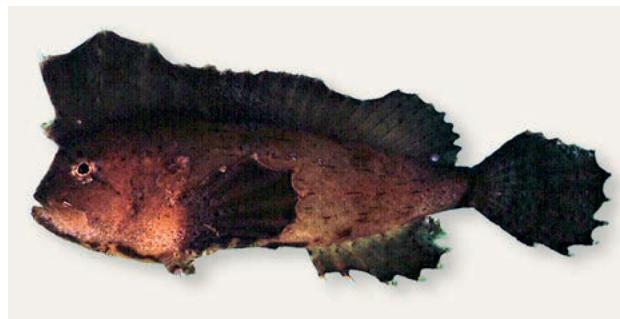
© JE Randall, Bishop Museum

*Ptarmus gallus*, cock velvetfish, 31 mm SL (Red Sea).



© SV Bogorodsky

*Ptarmus gallus*, cock velvetfish (Red Sea).



O Con © NRF-SAIAB

*Ptarmus jubatus*, crested velvetfish (South Africa).

## Family CONGIOPODIDAE, Horsefishes



G Gouws © NRF-SAIAB

*Congiopodus spinifer*, spinyhorsefish, 17 cm SL (South Africa).



PC Heemstra © NRF-SAIAB

*Congiopodus torvus*, smooth horsefish, 18 cm SL (South Africa).

## Family SETARCHIDAE, Deepsea bristly scorpionfishes



O Alvhheim © IMR

*Ectreposebastes imus*, midwater scorpionfish, 18 cm TL, adult (Mozambique).



O Alvhheim © IMR

*Ectreposebastes imus*, midwater scorpionfish, 6 cm TL, juvenile (Mozambique).

Family **SYNANCEIIDAE**, True stonefishes, stingfishes

*Choridactylus multibarbus*, orange-banded stingfish, 9 cm SL (Bahrain).

© J.E Randall, Bishop Museum



*Choridactylus striatus*, lined stingfish, 19 cm SL (Oman).

© J.E Randall, Bishop Museum



*Choridactylus natalensis*, three-stick stingfish, 10 cm SL (Mozambique).

© C Heemstra © NRF-SANAB



*Inimicus filamentosus*, filament-finned stinger, 13 cm SL (Seychelles).

© J.E Randall, Bishop Museum



*Inimicus filamentosus*, filament-finned stinger (South Africa).

© C van Jaarsveld



*Inimicus filamentosus*, filament-finned stinger (South Africa).

© C van Jaarsveld



*Inimicus sinensis*, spotted ghoul (Indonesia).

© DA Polack

Family **SYNANCEIIDAE**, True stonefishes, stingfishes

*Minous coccineus*, one-stick stingfish, 6 cm SL (Red Sea).

© SV Bogorodsky



*Minous coccineus*, one-stick stingfish, 9 cm SL (Red Sea).

© SV Bogorodsky



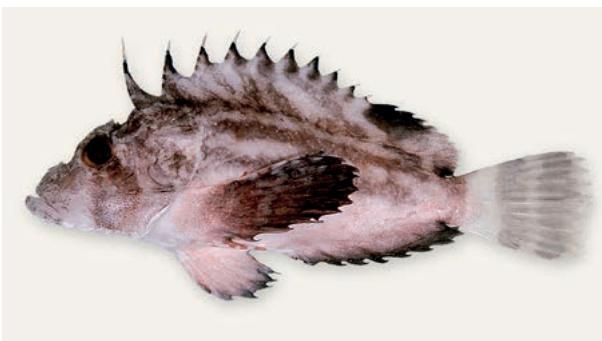
*Minous coccineus*, one-stick stingfish, 8 cm TL (Mozambique).

O Alvheim © IMR



*Minous longimanus*, 10 cm TL (Seychelles).

O Alvheim © IMR/ASCLME



*Minous monodactylus*, grey stingfish, 5 cm SL (Kuwait).

© JE Randall, Bishop Museum



*Minous ?trachycephalus*, 6 cm SL (Kuwait).

© JE Randall, Bishop Museum



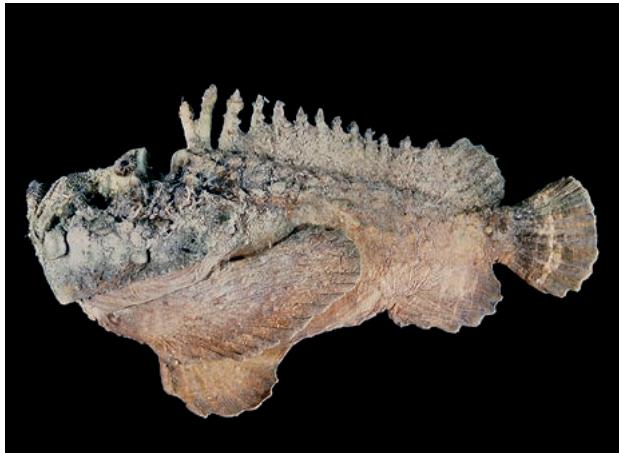
*Pseudosynanceia melanostigma*, blackfin stonefish, ~16 cm SL (Pakistan).

© HB Ormanay



*Synanceia nana*, Red Sea stonefish, 9 cm SL (Bahrain).

© JE Randall, Bishop Museum

Family **SYNANCEIIDAE**, True stonefishes, stingfishes*Synanceia horrida*, estuarine stonefish, 17 cm SL (Indonesia).

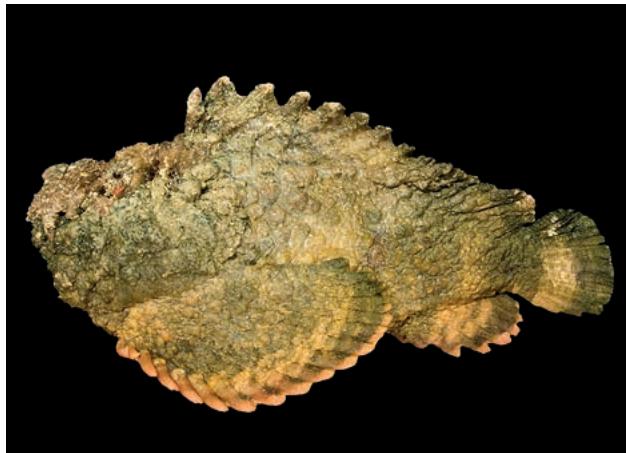
© J.F.Randall, Bishop Museum

*Synanceia verrucosa*, stonefish, ~4 cm TL, juvenile with algae growth (Red Sea).

© J.K.L. Mee

*Synanceia verrucosa*, stonefish, 31 cm SL, dorsal view (Mauritius).

PC Heemstra © NRF-SAIAB

*Synanceia verrucosa*, stonefish, 14 cm SL (Red Sea).

© SV Bogorodsky

Family **APISTIDAE**, Bearded waspfishes*Apistus carinatus*, ocellated waspfish, 9 cm SL (Red Sea).

© SV Bogorodsky

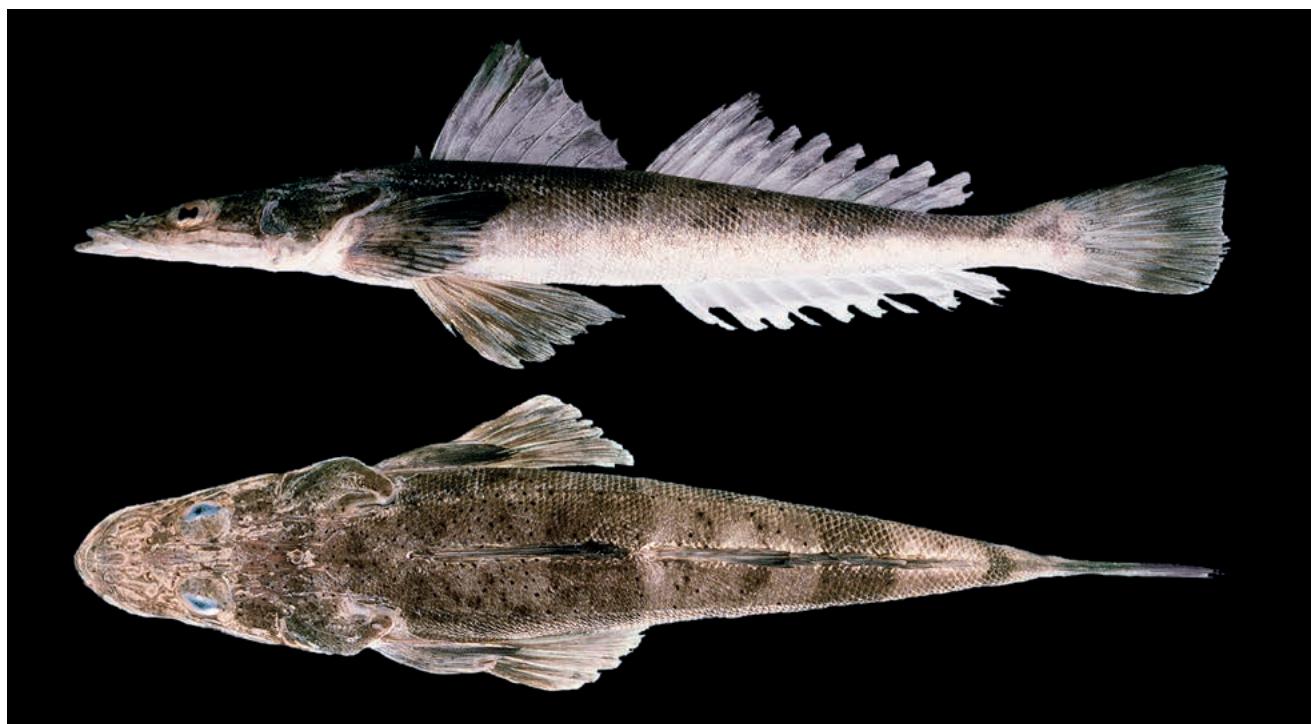
*Parabembras robinsoni*, rosy flathead, 16 cm SL (Mozambique).

© NRF-SAIAB

## Family PLATYCEPHALIDAE, Flatheads



*Cociella heemstrai*, yellowtail flathead, 17 cm SL, paratype (S Mozambique).



*Cociella punctata*, spotted flathead, 22 cm SL (SW India).



*Cociella somaliensis*, spot-tail flathead (Pakistan).

PC Heemstra © NRF-SAAIB

© JE Randall, Bishop Museum

© HB Osmany

## Family PLATYCEPHALIDAE, Flatheads



*Cociella somaliensis*, spot-tail flathead, 22 cm SL, preserved holotype (Somalia).



*Grammoplites scaber*, rough flathead (Malaysia).



*Grammoplites suppositus*, spotfin flathead, 18 cm SL (SW India).



*Grammoplites vittatus*, Pakistan flathead, 17 cm TL, dorsal view (Persian/Arabian Gulf).

S Raredon  
© Smithsonian Institution

© H Iimamura

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S Raredon © Smithsonian Institution

## Family PLATYCEPHALIDAE, Flatheads



*Inegocia japonica*, Japanese flathead, 16 cm SL (Japan).

© S Kimura, FRUM



*Kumococcius rodericensis*, spiny flathead, 14 cm SL, dorsal view (India).

© JE Randall, Bishop Museum



*Onigocia bimaculata*, two-spot flathead, 6 cm SL, dorsal view (Japan).

© H Imamura



*Onigocia ?oligolepis* (Gulf of Aqaba).

© SV Bogorodsky



*Papilloculiceps longiceps*, Madagascar flathead (Gulf of Aqaba).

© SV Bogorodsky

## Family PLATYCEPHALIDAE, Flatheads



PC Heemstra © NRF-SAIAB

*Onigocia pedimacula*, broadband flathead, 7 cm SL (Rodrigues).



© SV Bogorodsky

*Papilloculiceps longiceps*, Madagascar flathead, 30 cm SL (Gulf of Suez).



© SV Bogorodsky

*Platycephalus indicus*, bartail flathead, 19 cm SL (Gulf of Suez).

## Family PLATYCEPHALIDAE, Flatheads



*Rogadius pristiger*, thorny flathead, 13 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB



*Rogadius serratus*, serrated flathead, 16 cm SL (Thailand).

© S Kimura, FRIM



*Rogadius serratus*, serrated flathead, 8 cm SL, dorsal view (Seychelles).

© JE Randall, Bishop Museum



*Sorsogona humerosa*, white-margined flathead, 11 cm SL, holotype (Mozambique).

PC Heemstra © NRF-SAIAB

Family PLATYCEPHALIDAE, Flatheads

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© H Imanura

*Sorsogona melanoptera*, obscure flathead (Thailand).



© SV Bogorodsky

*Sorsogona prionota*, half-spined flathead, 16 cm SL (Gulf of Suez).



© H Imanura

*Sorsogona tuberculata*, tuberculated flathead, 9 cm SL, dorsal view (W Australia).

## Family PLATYCEPHALIDAE, Flatheads



© S Kimura, FRLM

*Suggrundus macracanthus*, large-spined flathead, 15 cm SL (Thailand).



PC Heemstra © NRF-SA/AB

*Sunagocia arenicola*, sand flathead, 6 cm SL (Rodrigues).



© H Iimamura

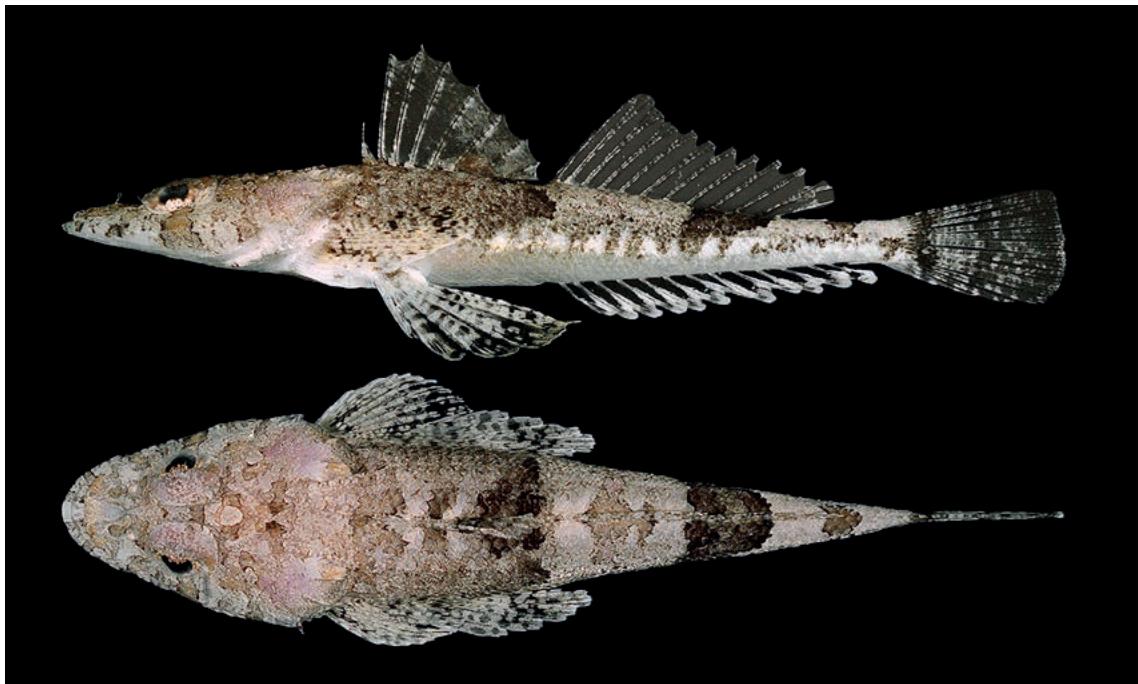
*Sunagocia otaitensis*, fringelip flathead, 12 cm SL, dorsal view (Australia).

## Family PLATYCEPHALIDAE, Flatheads



PC Heemstra © NRF-SAIAB

*Sunagocia* sp., 15 cm SL (Mozambique). #



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*Thysanophrys celebica*, Sulawesi flathead, 8 cm SL (Kuwait).



PC Heemstra © NRF-SAIAB

*Thysanophrys chiltonae*, longsnout flathead, 8 cm SL (South Africa).

# = no species account

Family **PLATYCEPHALIDAE**, Flatheads

© SV Bogorodsky

*Thysanophrys springeri*, Red Sea flathead (Red Sea).

Family **HOPLICHTHYIDAE**, Spiny flatheads

P.C. Heemstra © NRF-SAIAB

*Hoplichthys acanthopleurus*, ultra-spiny flathead, 17 cm SL (Mozambique).



© NRF-SAIAB

*Hoplichthys acanthopleurus*, ultra-spiny flathead (South Africa).

## Family DACTYLOPTERIDAE, Helmet gurnards



© DA Polack

*Dactyloptena orientalis*, oriental helmet gurnard, 8 cm SL, adult lateral and dorsal views (S Mozambique); and juvenile (Japan).



Source: CFSI

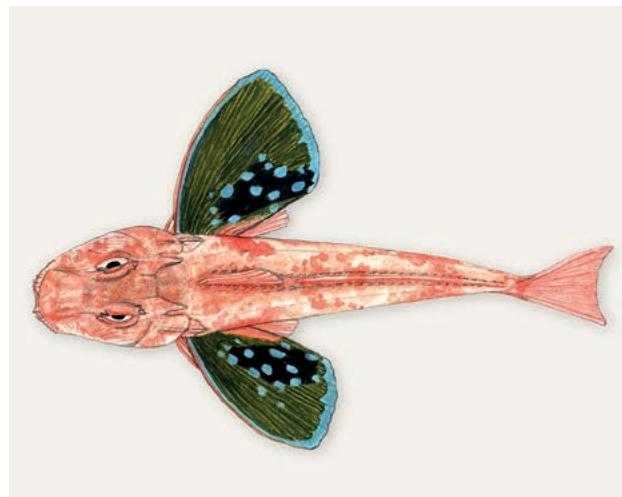
*Dactyloptena peterseni*, rufous helmet gurnard, 6 cm TL, juvenile, lateral and dorsal views (Comoros); 32 cm TL, adult (Saipan).

## Family TRIGLIDAE, Gurnards



*Chelidonichthys capensis*, Cape gurnard, 60 cm TL (South Africa).

Source: CESA



*Chelidonichthys kumu*, bluefin gurnard, 19 cm SL, dorsal view showing inner pectoral fin (South Africa).



AD Connell © NPF-SAIMA/B

*Chelidonichthys kumu*, bluefin gurnard, 22 cm SL (South Africa).



© SJ Swanepoel

*Chelidonichthys lastoviza africanus*, African gurnard (South Africa).



© DR King

*Chelidonichthys lastoviza africanus*, African gurnard (South Africa).

## Family TRIGLIDAE, Gurnards



PC Heemstra © NRF-SAIAB

*Chelidonichthys queketti*, lesser gurnard, 24 cm SL (South Africa).

© NRF-SAIAB/JAGO

*Chelidonichthys queketti*, lesser gurnard (South Africa).*Lepidotrigla alcocki*, Alcock's gurnard, 14 cm SL (Saya de Malha Bank).

© SV Bogorodsky

*Lepidotrigla bispinosa*, bullhorn gurnard, 14 cm SL (Qatar).

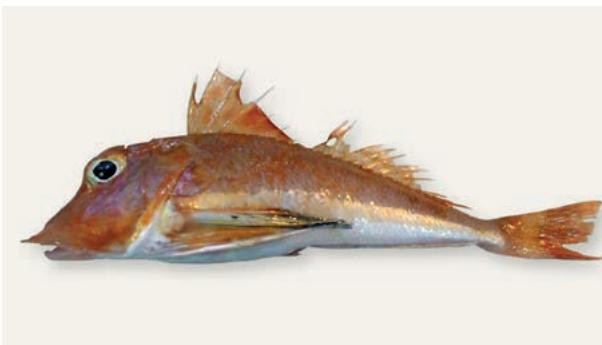
PC Heemstra © NRF-SAIAB

*Lepidotrigla faurei*, prickly gurnard, 11 cm SL (Mozambique).

R Palmer © NRF-SAIAB

*Lepidotrigla faurei*, prickly gurnard (South Africa).

## Family TRIGLIDAE, Gurnards



*Lepidotrigla longipinnis*, long-finned gurnard, 12 cm SL (Myanmar).

© PN Psomadakis, FAO



*Lepidotrigla longipinnis*, long-finned gurnard (Myanmar).

© Alvheim, IMR © FAO



*Lepidotrigla multispinosa*, spiny gurnard, 13 cm SL (Mozambique).

© Alvheim © IMR



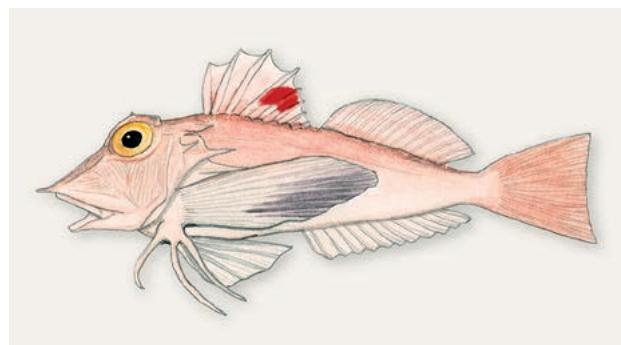
*Lepidotrigla omanensis*, Oman gurnard (Myanmar).

© Alvheim, IMR © FAO



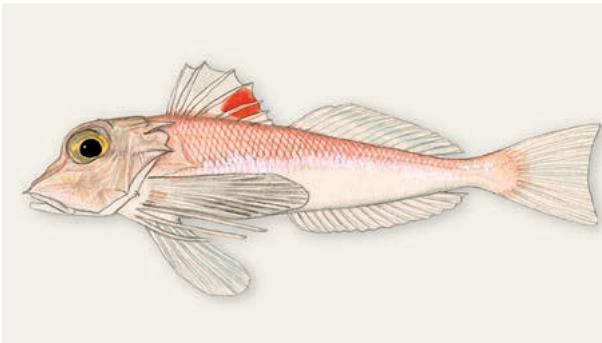
*Lepidotrigla omanensis*, Oman gurnard, 11 cm SL (Myanmar).

© PN Psomadakis, FAO



*Lepidotrigla sayademalha*, Saya de Malha gurnard, 10 cm SL (Saya de Malha Bank).

© HUMZ



*Lepidotrigla spiloptera*, spotwing gurnard, 9 cm SL (Persian/Arabian Gulf).



*Pterygotrigla (Otohime) amaokai*, Amaoka's gurnard, holotype (Saya de Malha Bank).

## Family TRIGLIDAE, Gurnards



*Pterygotrigla (Otohime) arabica*, Arabian gurnard, 15 cm TL (Myanmar).

O Alvhelm, IMR © FAO



*Pterygotrigla (Otohime) arabica*, Arabian gurnard, 17 cm SL (SW India).

KV Akhilesh © CMFRI

## Family PERISTEDIIDAE, Armoured gurnards



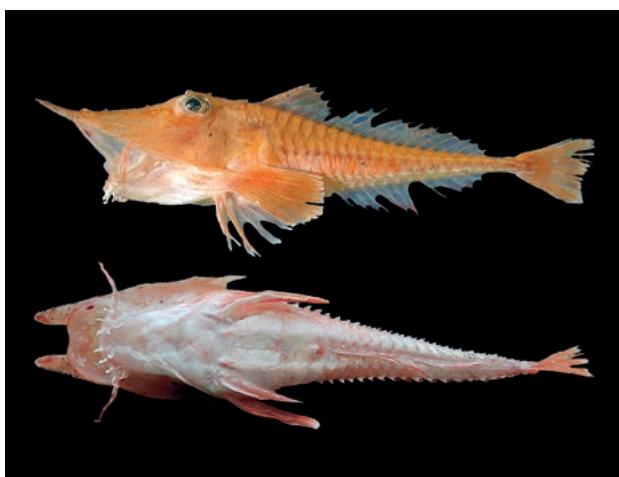
*Peristedion weberi*, 16 cm SL (South Africa).

PC Heemstra © NRI-SAIAB



*Satyrichthys laticeps*, 14 cm SL (South Africa).

PC Heemstra © NRI-SAIAB



*Satyrichthys laticeps*, 21 cm SL (Mozambique).

PC Heemstra © NRI-SAIAB



*Scalicus hians*, 15 cm SL (Mozambique). #

PC Heemstra © NRI-SAIAB

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