



# PIRFO

## Purse-seine fish ID cards

for Pacific Islands Regional Fisheries Observers



SPC

Secretariat  
of the Pacific  
Community

These identification cards are produced by the Secretariat of the Pacific Community (SPC) to help with the identification of fish species encountered by Fisheries Observers while onboard commercial tuna purse seiners that fish in the Western and Central Pacific Ocean (WCPO). The species included in these cards are the ones commonly recorded by observers on tuna purse seine vessels operating in the WCPO. The cards can be easily accessed by observers while working on deck during net hauling and brailing operations to verify and correctly identify fish species. The cards also assist in training observers operating within the Western and Central Pacific Fisheries Commission Convention Area.

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4. Fishery management – Oceania.

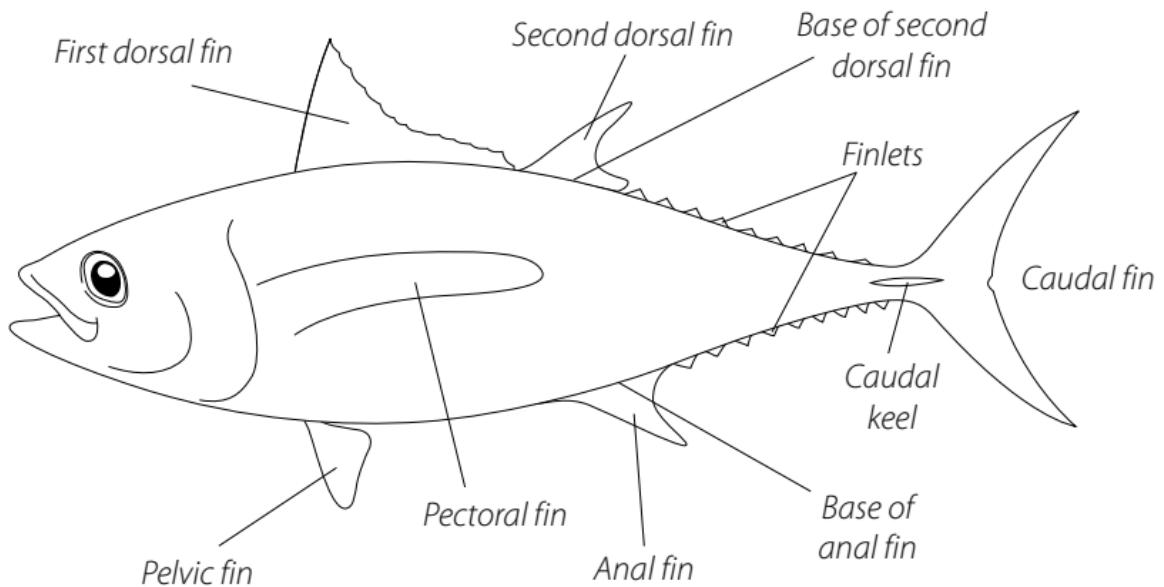
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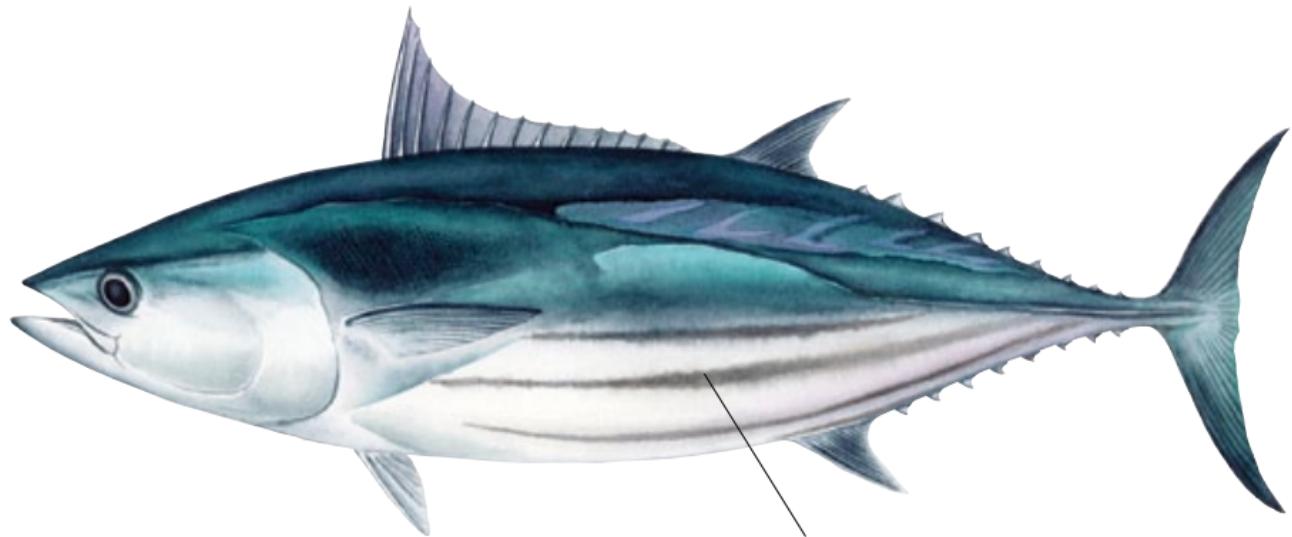
AACR2

# Tunas



# Skipjack tuna

*Katsuwonus pelamis*

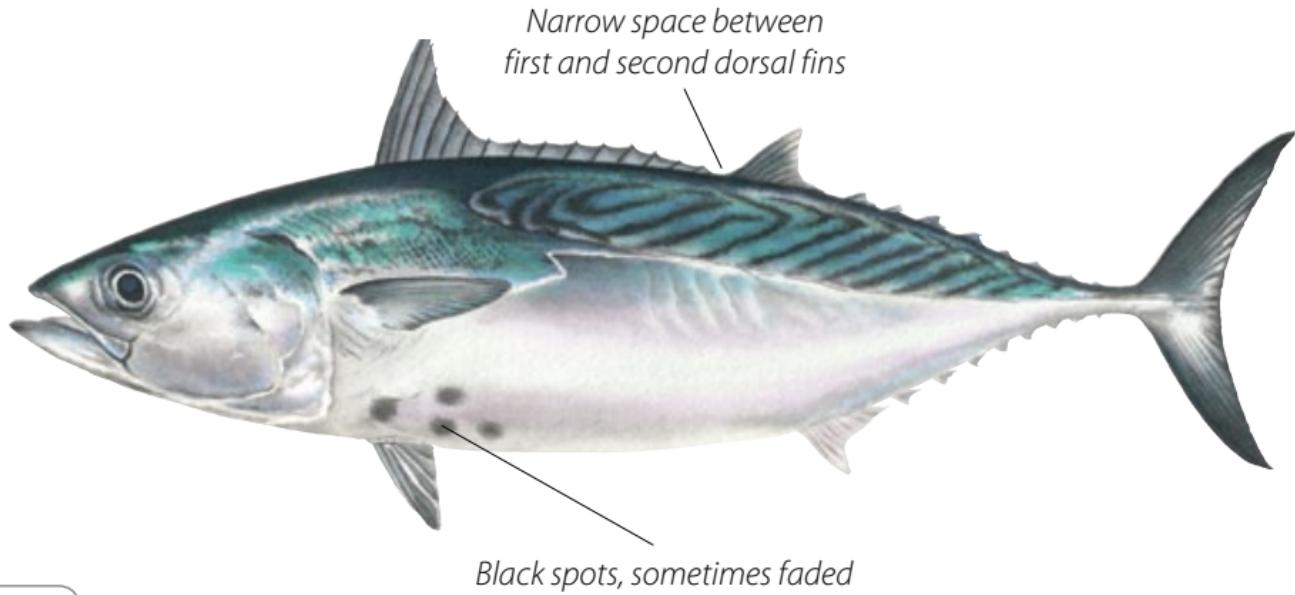


Three to five stripes along belly

SKJ

# Kawakawa

*Euthynnus affinis*

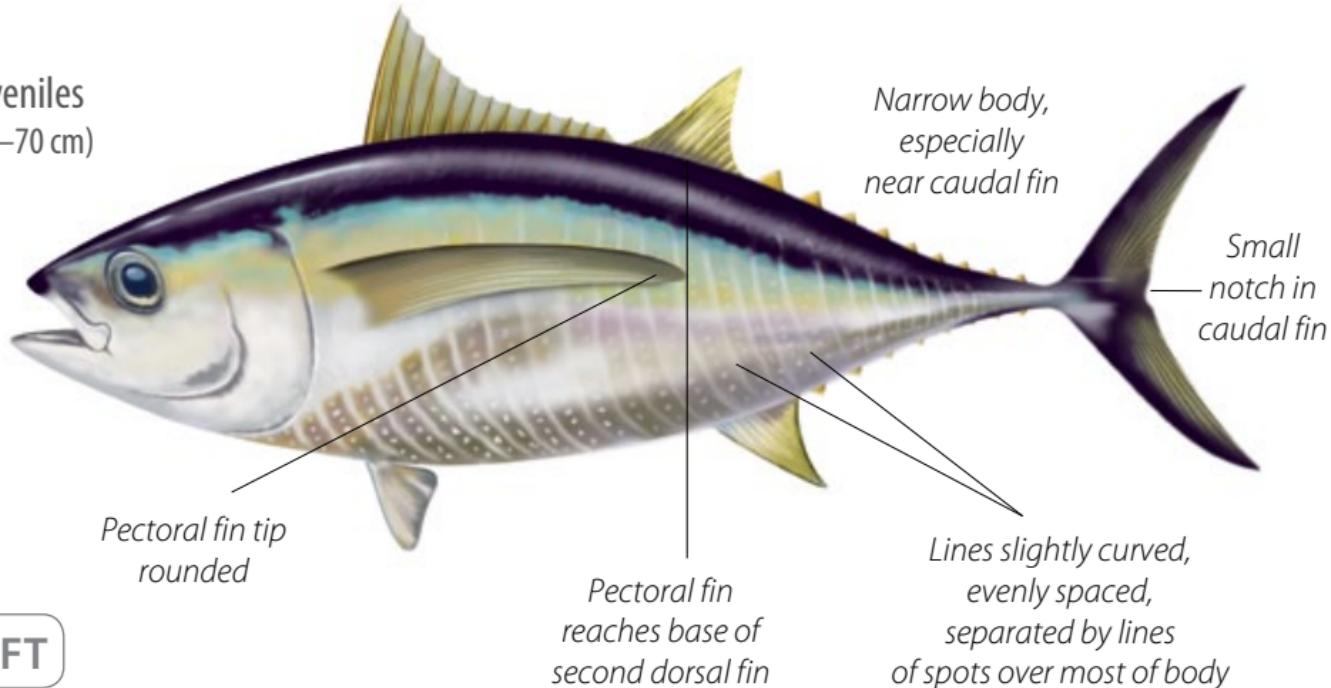


KAW

# Yellowfin tuna

*Thunnus albacares*

Juveniles  
(40–70 cm)

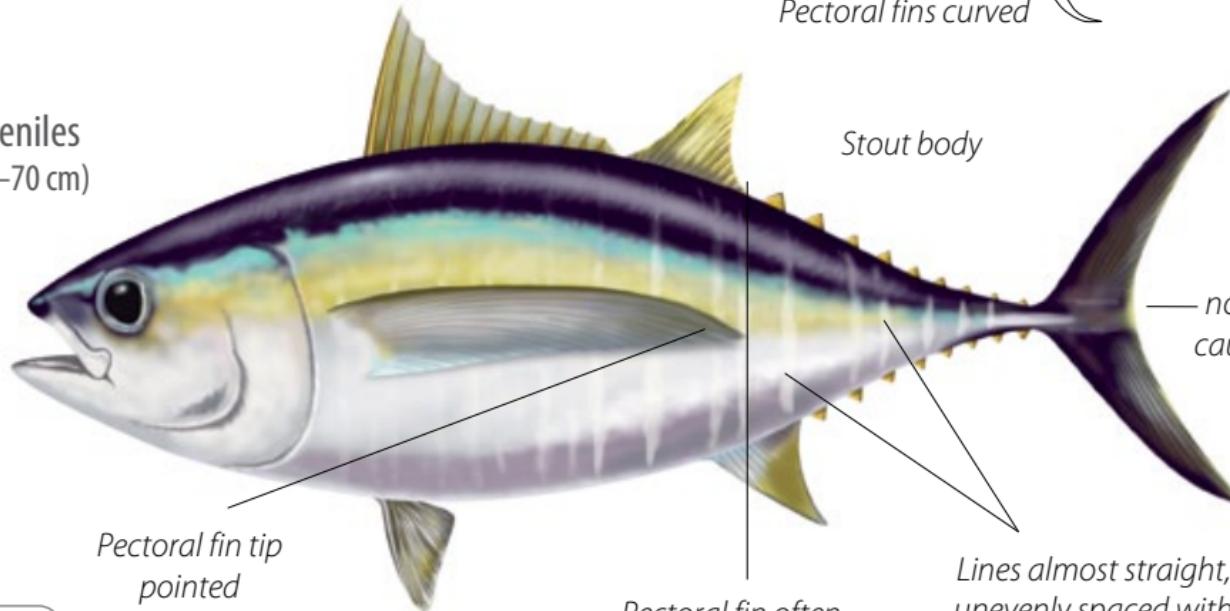


YFT

# *Bigeye tuna*

*Thunnus obesus*

Juveniles  
(40–70 cm)



BET

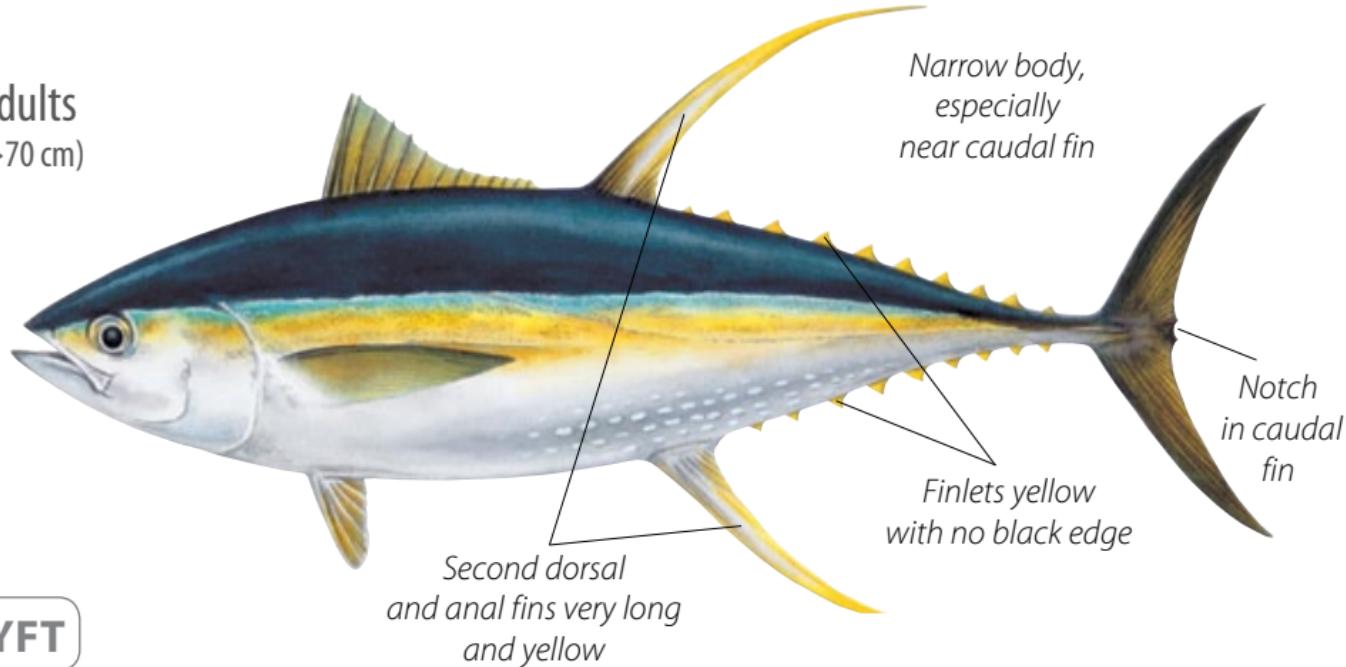
Tunas



# Yellowfin tuna

*Thunnus albacares*

Adults  
(>70 cm)

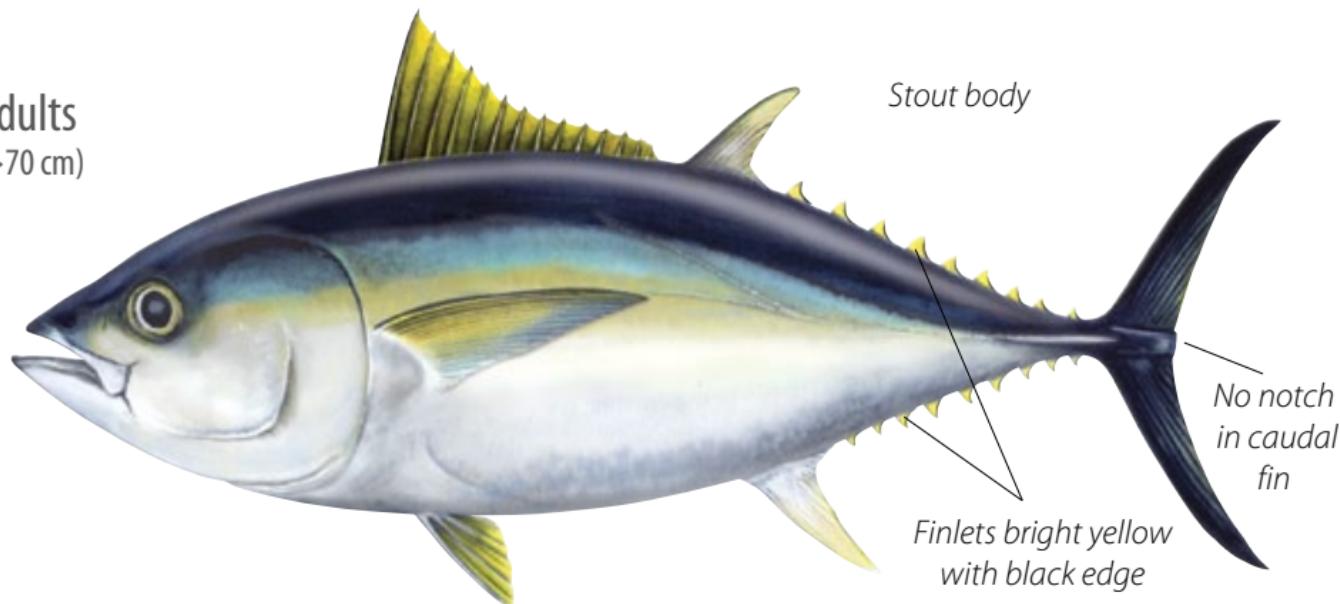


**YFT**

# *Bigeye tuna*

*Thunnus obesus*

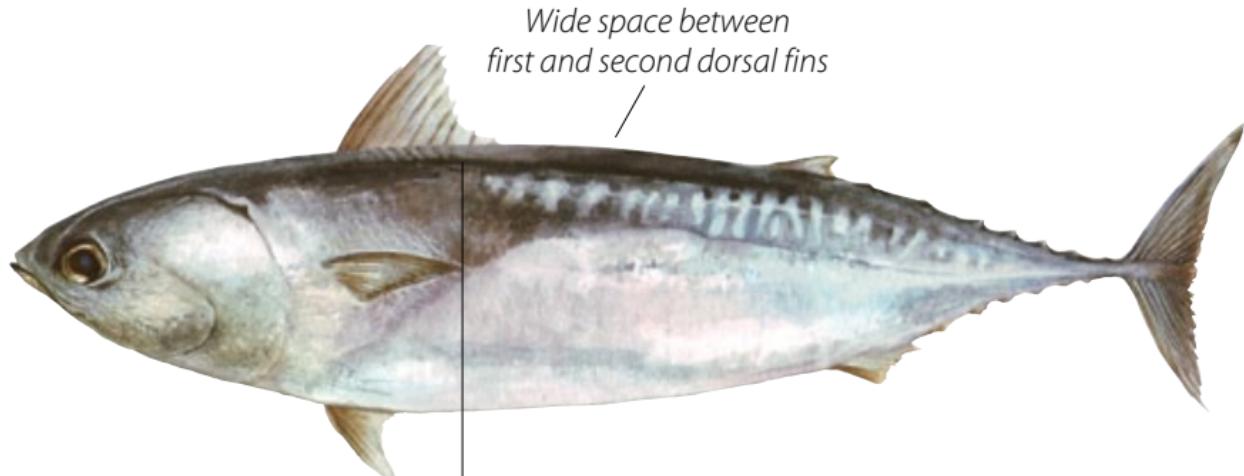
Adults  
(>70 cm)



BET

# Bullet tuna

*Auxis rochei rochei*



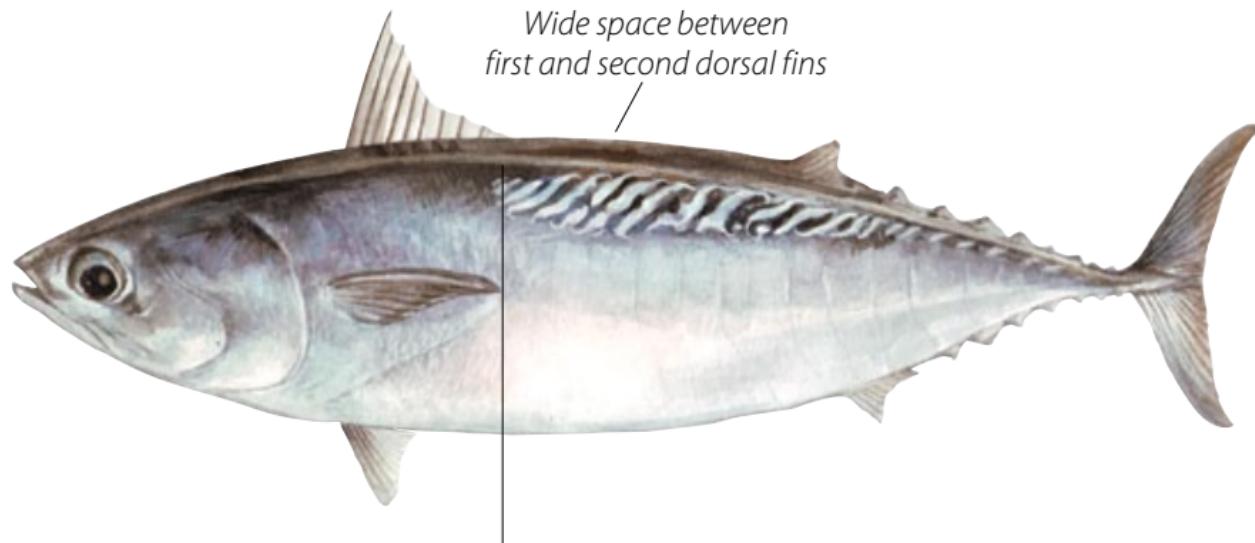
*Wide space between  
first and second dorsal fins*

*Pectoral fin tip does not reach  
front edge of patterned area*

BLT

# Frigate tuna

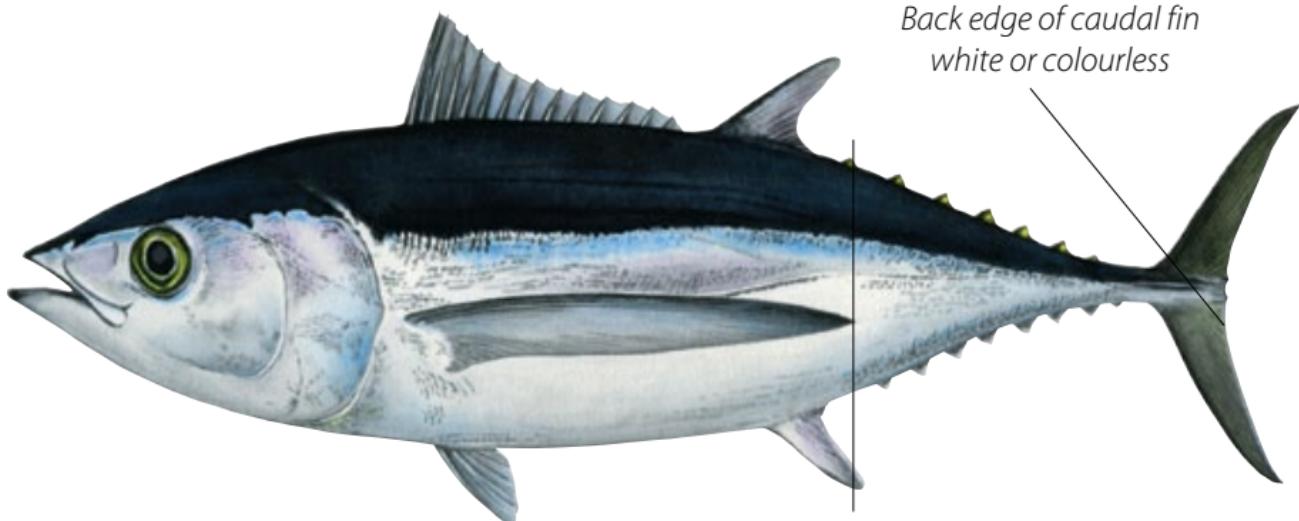
*Auxis thazard thazard*



FRI

# Albacore tuna

*Thunnus alalunga*

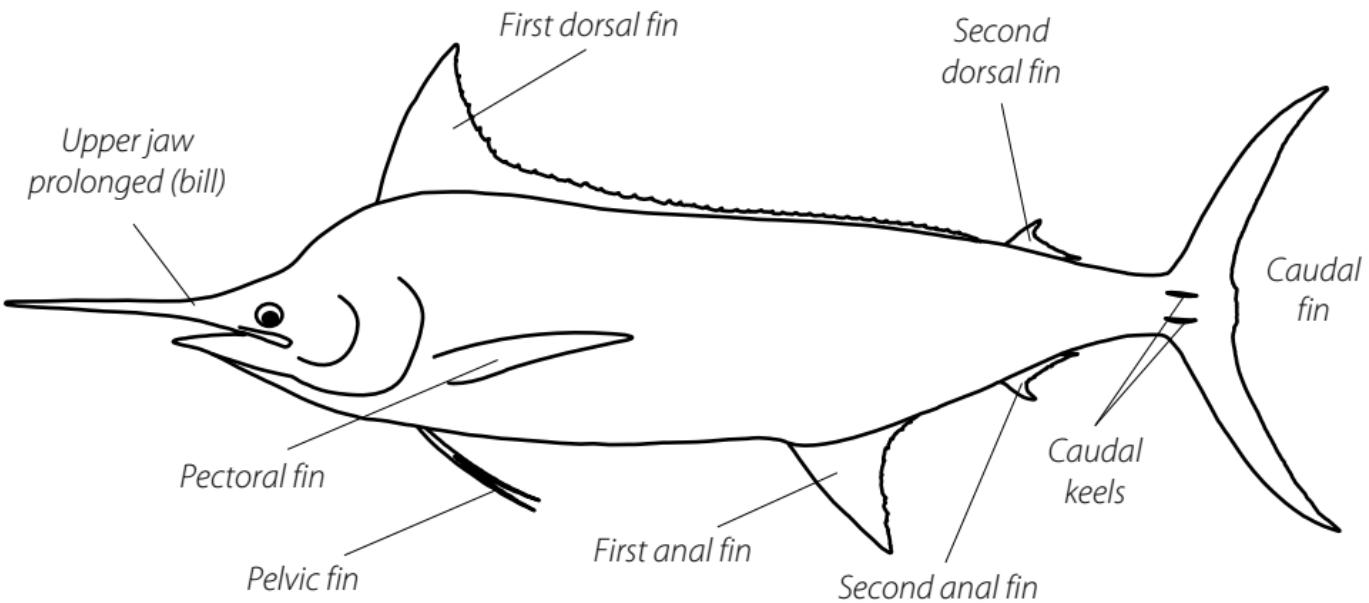


Back edge of caudal fin  
white or colourless

Pectoral fin reaches way past base  
of second dorsal and anal fins

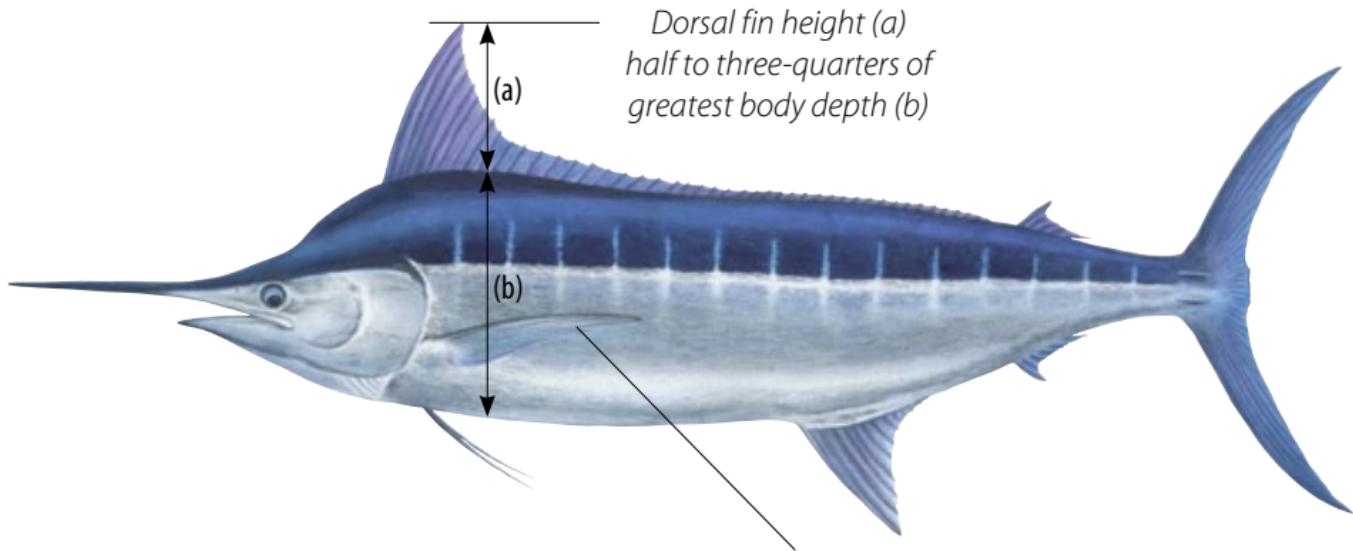
ALB

# Billfish



# Blue marlin

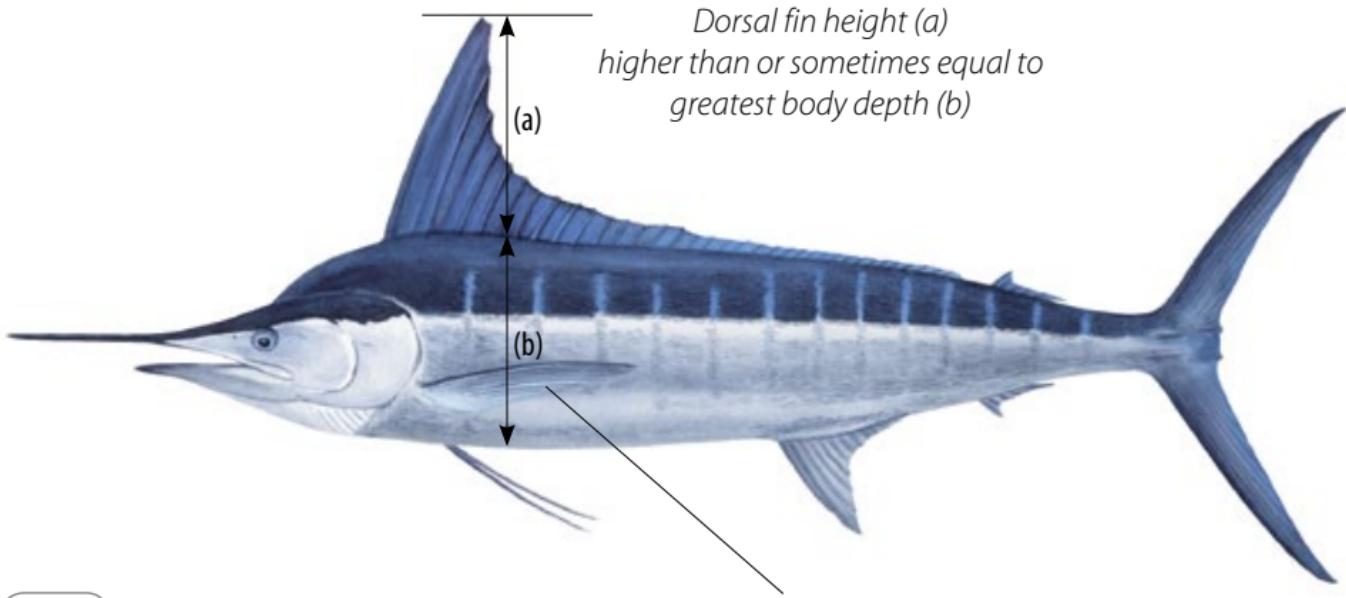
*Makaira nigricans*



BUM

# Striped marlin

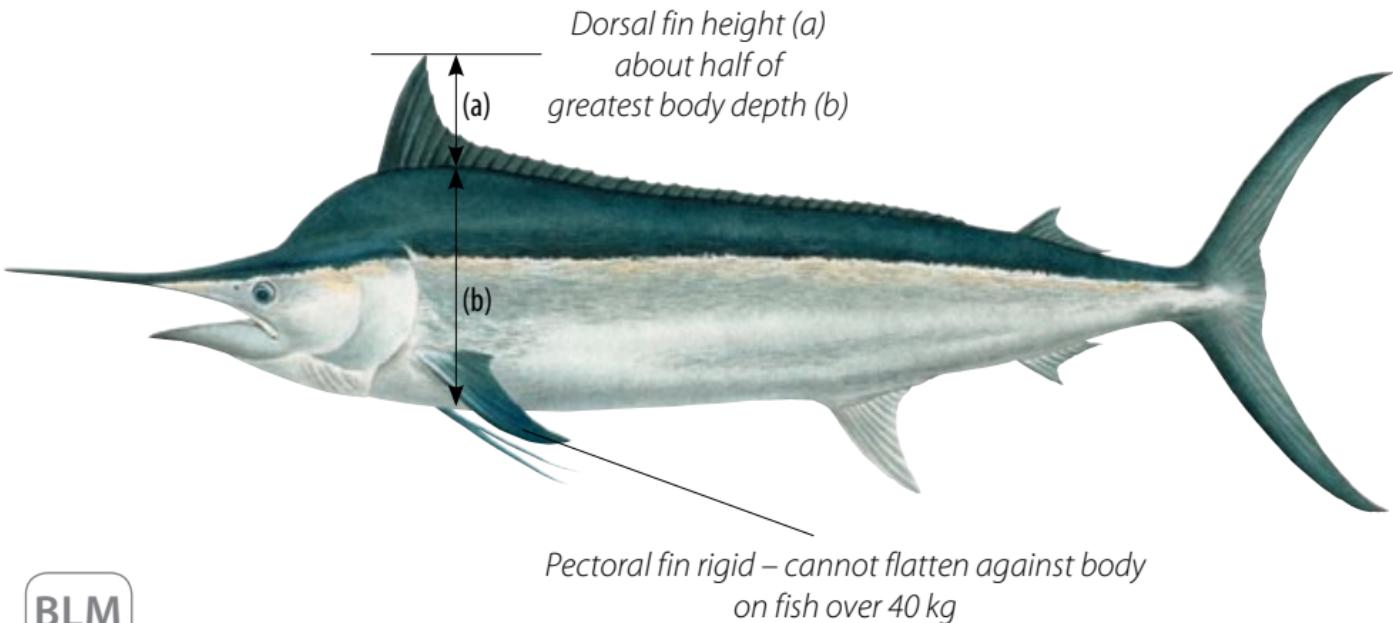
*Tetrapturus audax*



MLS

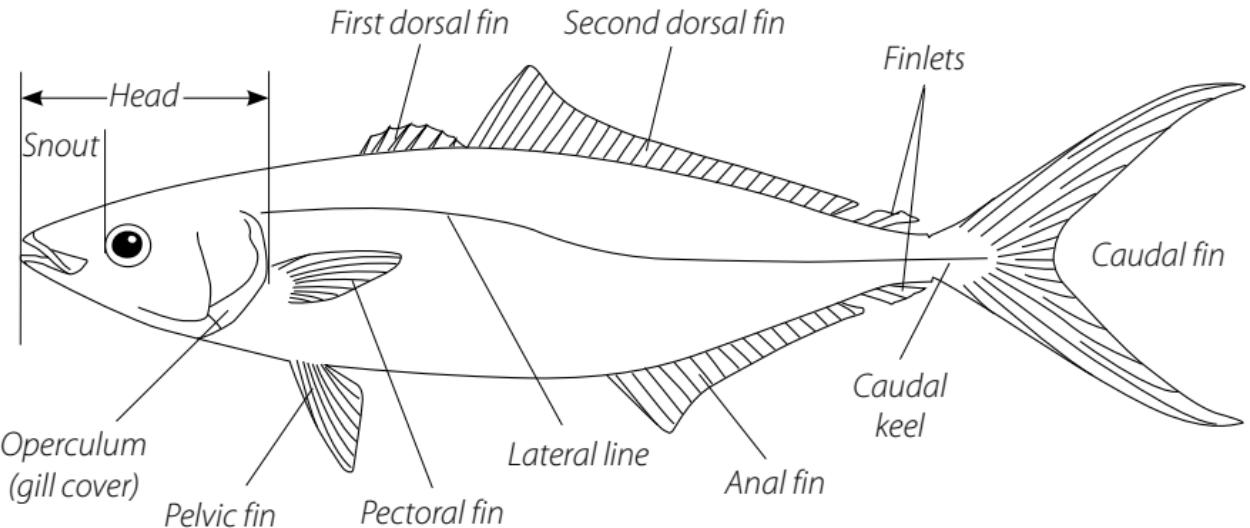
# Black marlin

*Makaira indica*



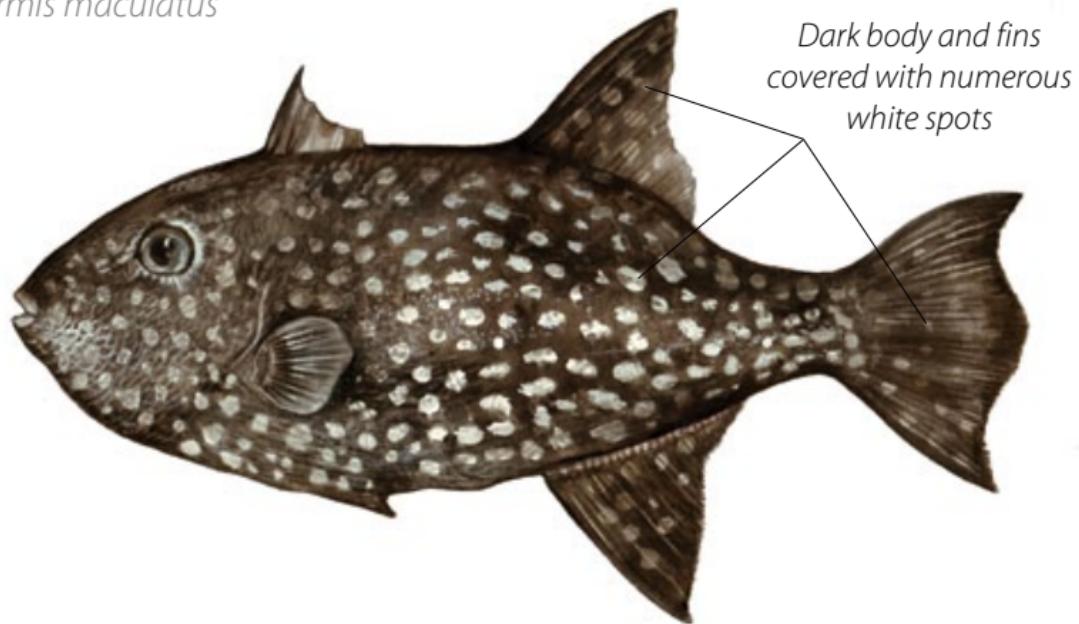
BLM

# Other pelagics



# Spotted oceanic triggerfish (Rough triggerfish)

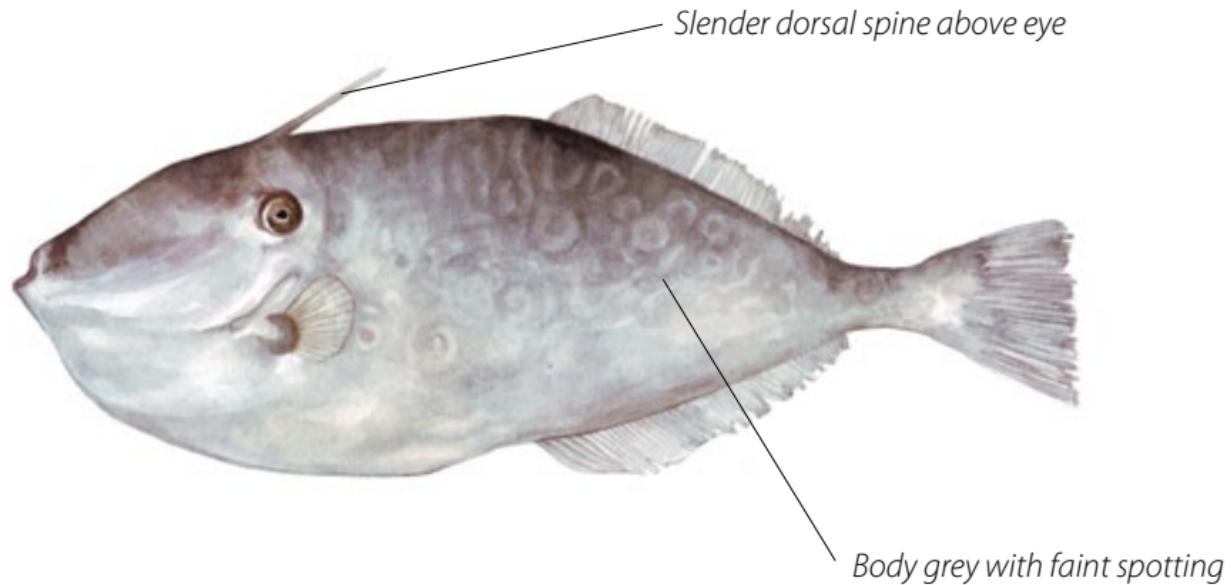
*Canthidermis maculatus*



CNT

# *Unicorn leatherjacket filefish*

*Aluterus monoceros*

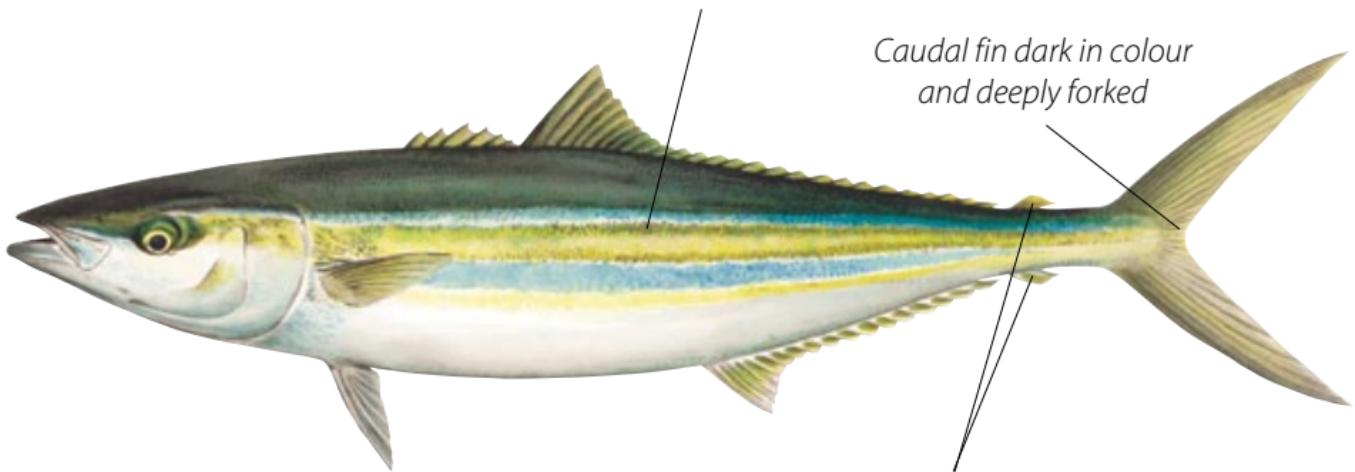


ALM

# Rainbow runner

*Elagatis bipinnulata*

Blue and yellow stripes on side

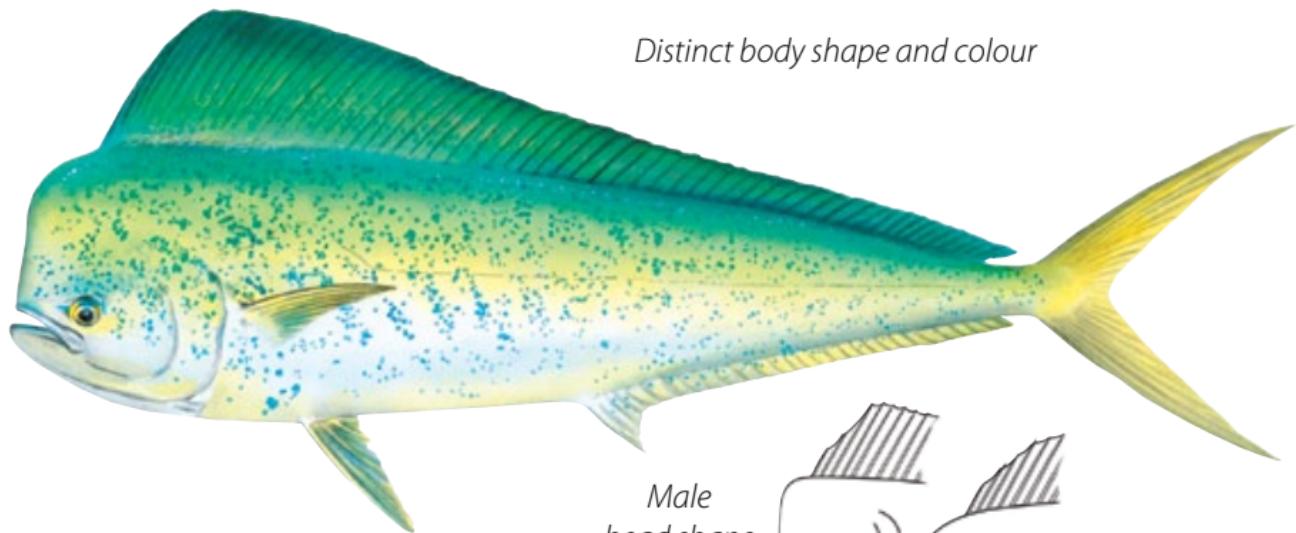


Two-rayed finlet behind  
second dorsal and anal fins

RRU

# Mahi mahi

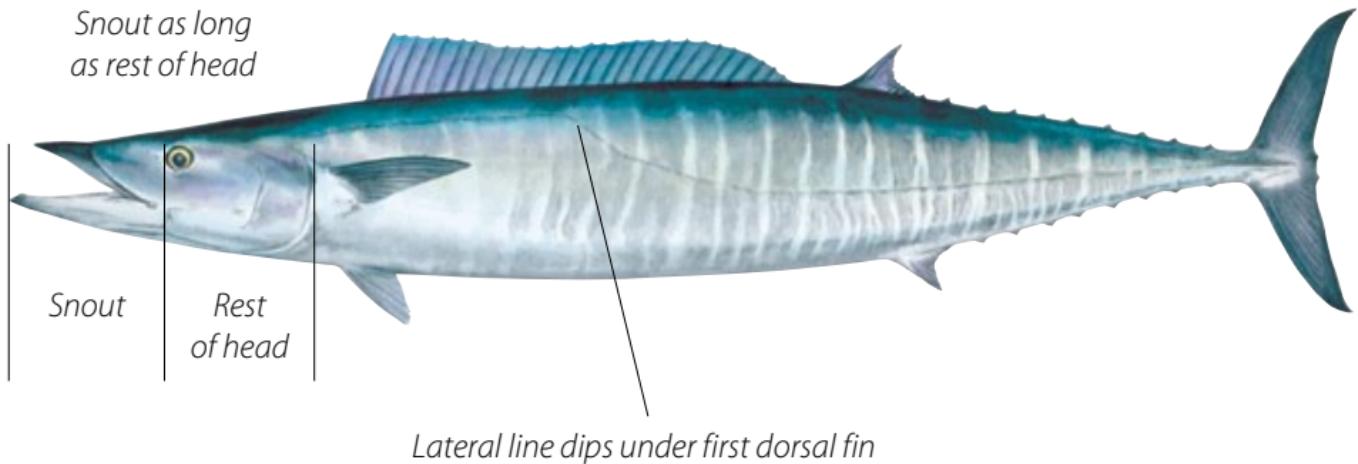
*Coryphaena hippurus*



DOL

# Wahoo

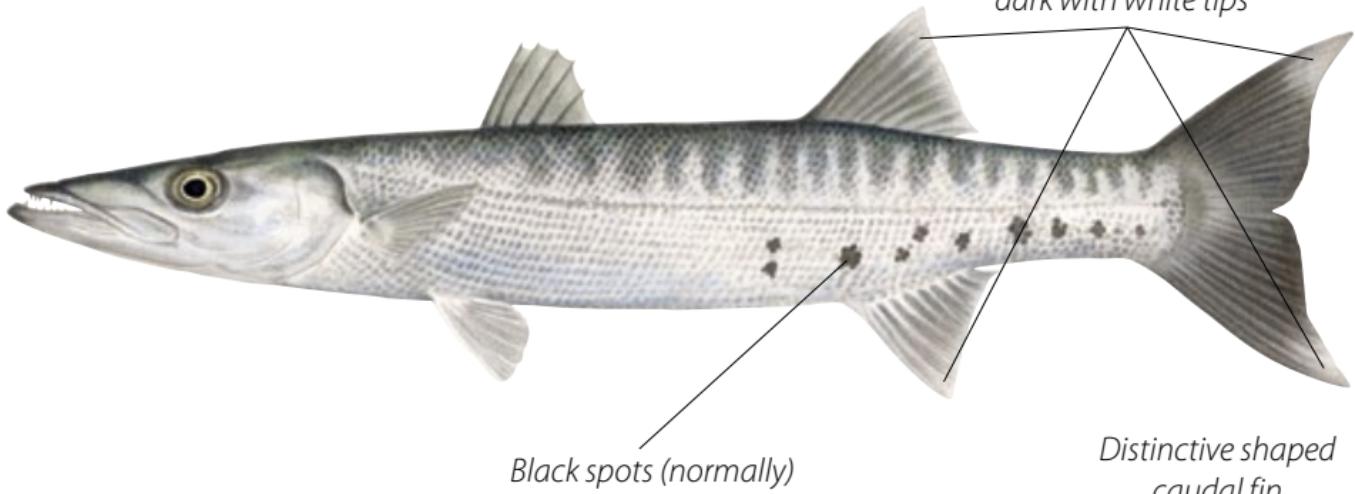
*Acanthocybium solandri*



WAH

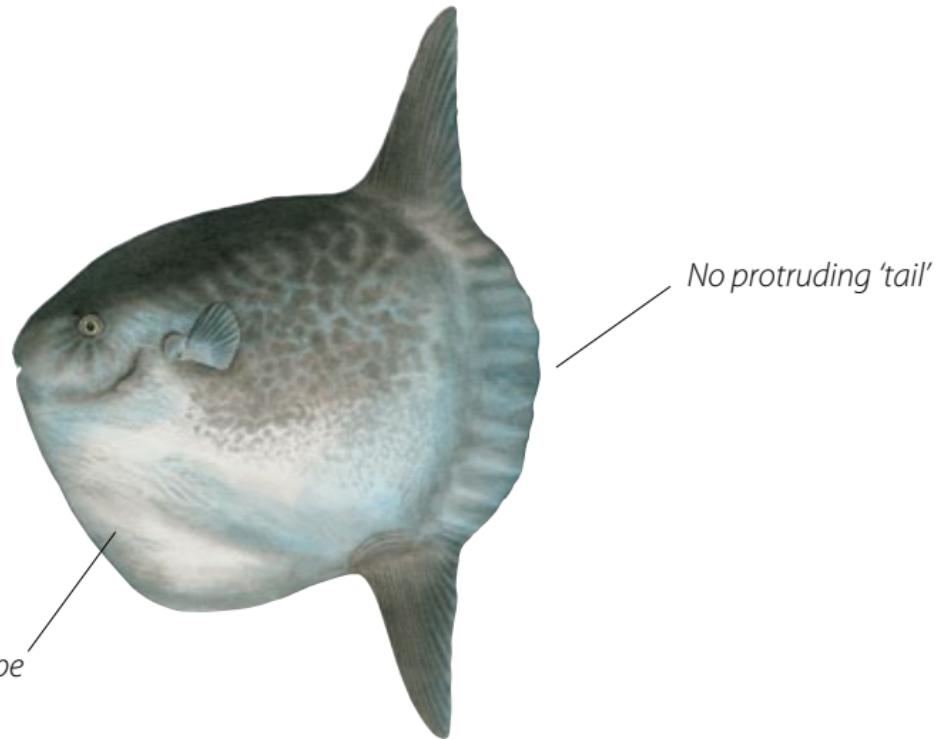
# Great barracuda

*Sphyraena barracuda*



# Ocean sunfish

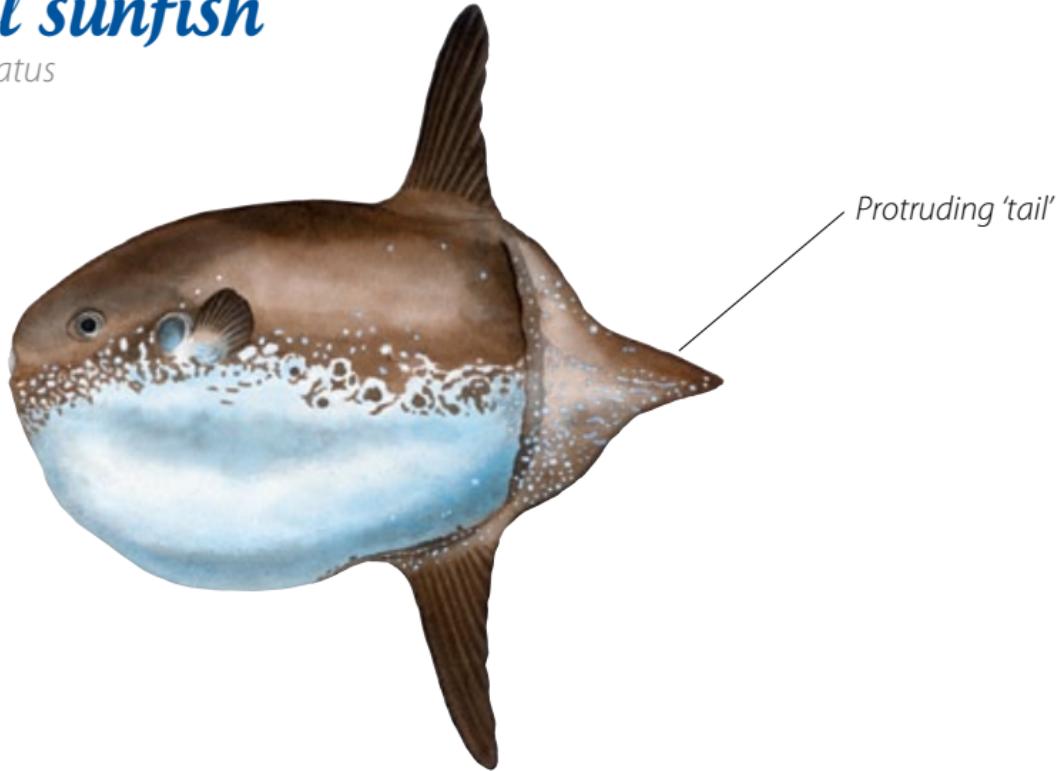
*Mola mola*



MOX

# Sharptail sunfish

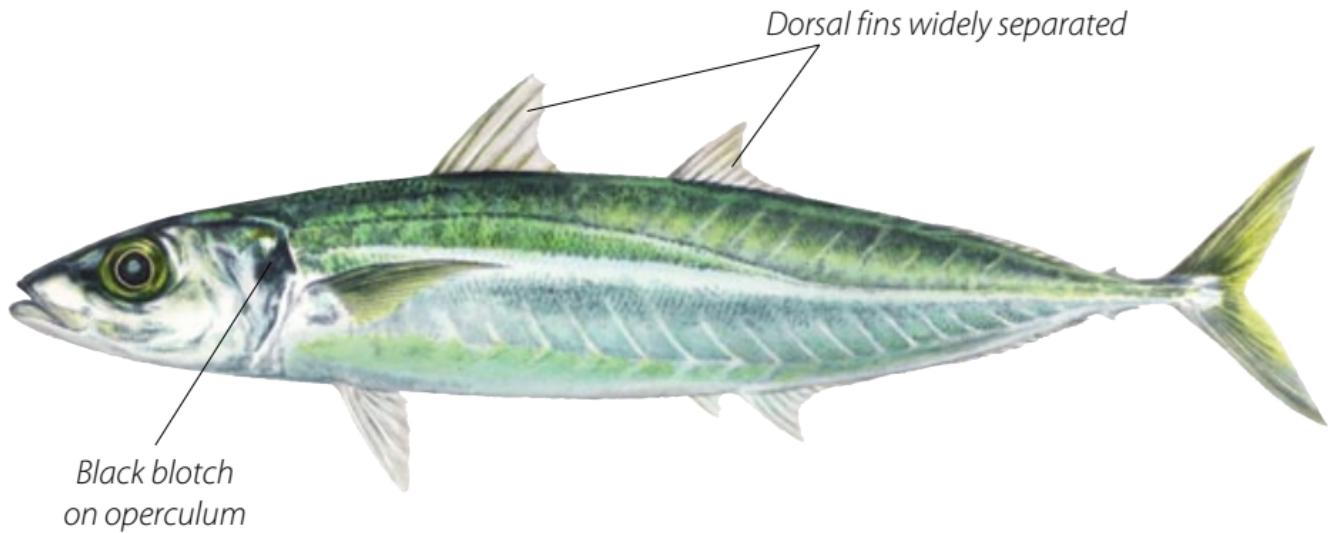
*Masturus lanceolatus*



MRW

# Mackerel scad

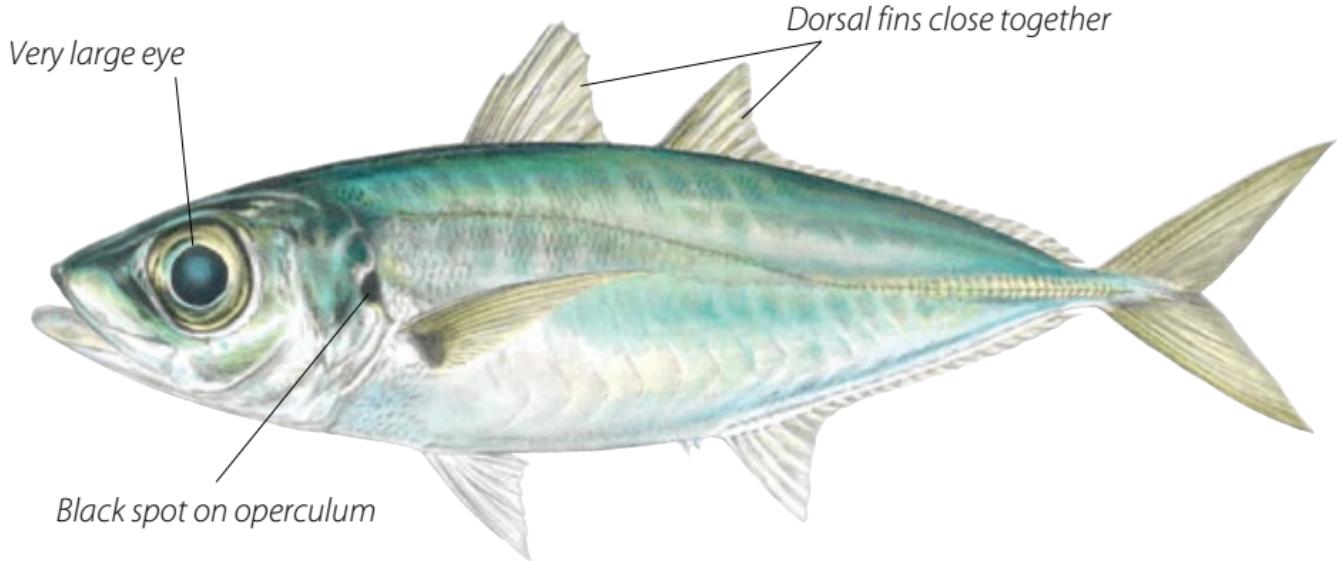
*Decapterus macarellus*



MSD

# *Bigeye scad*

*Selar crumenophthalmus*

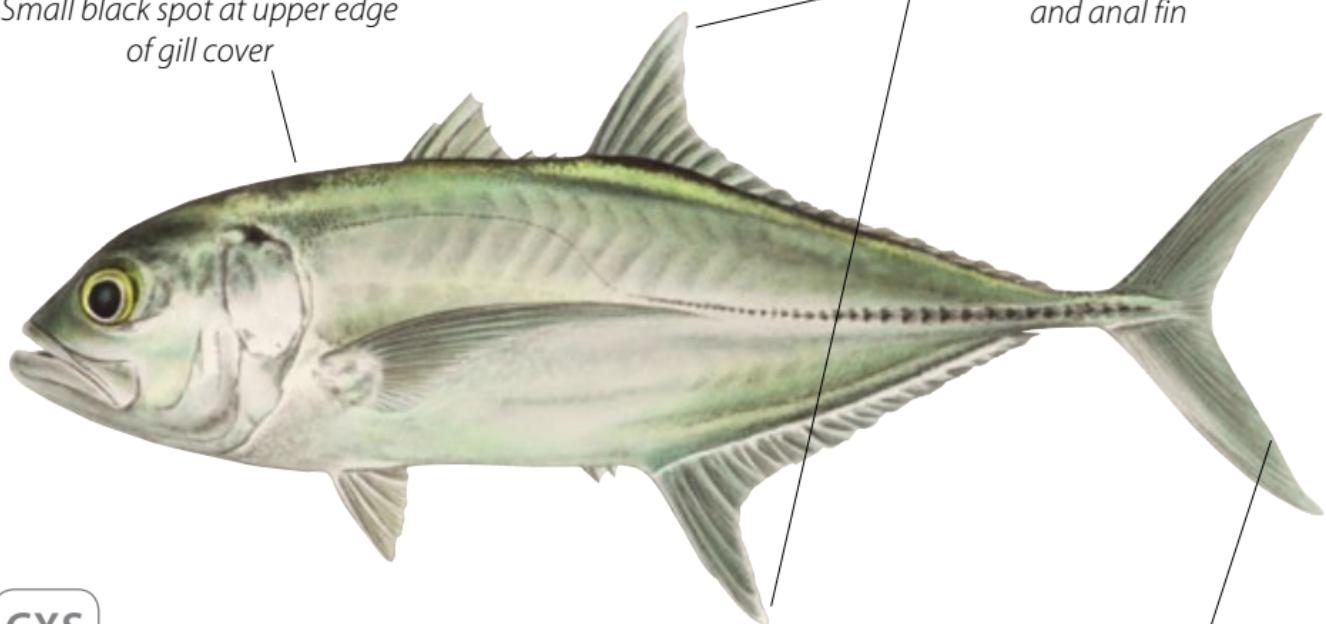


BIS

# Bigeye trevally

*Caranx sexfasciatus*

Small black spot at upper edge  
of gill cover



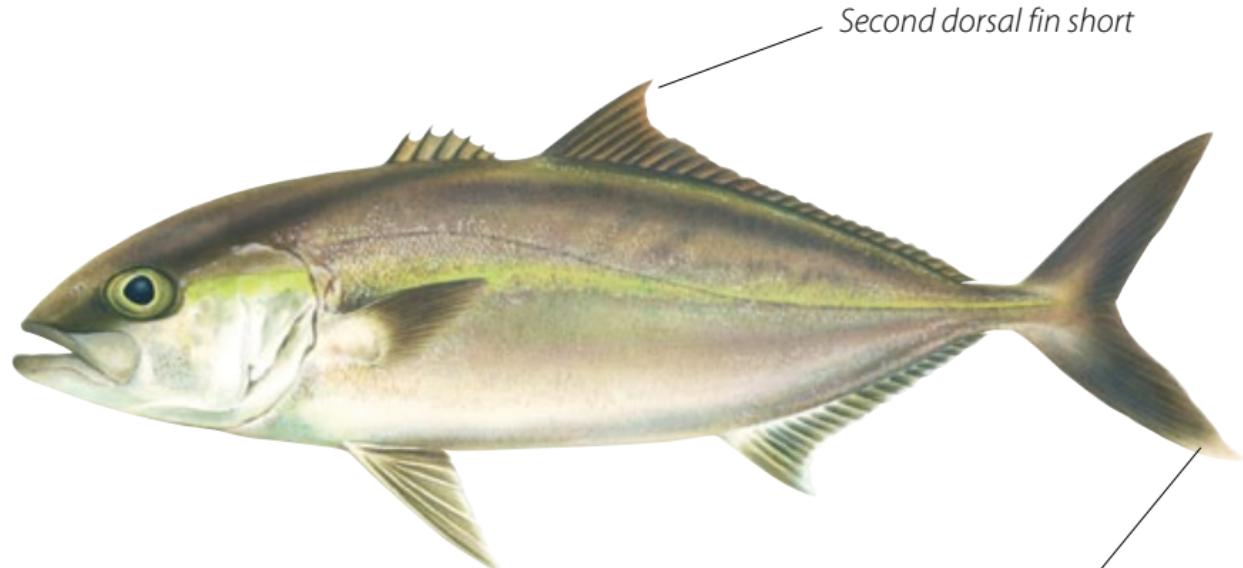
White tip on second dorsal  
and anal fin

CXS

Black margin on caudal fin

# *Greater amberjack*

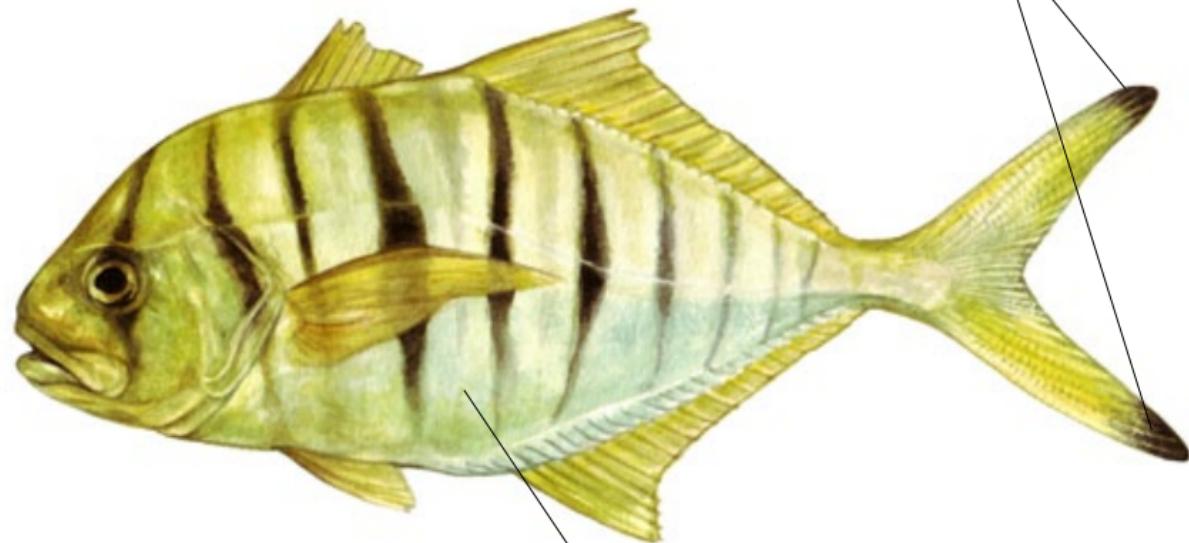
*Seriola dumerili*



AMB

# Golden trevally

*Gnathanodon speciosus*



Dark tips on tail

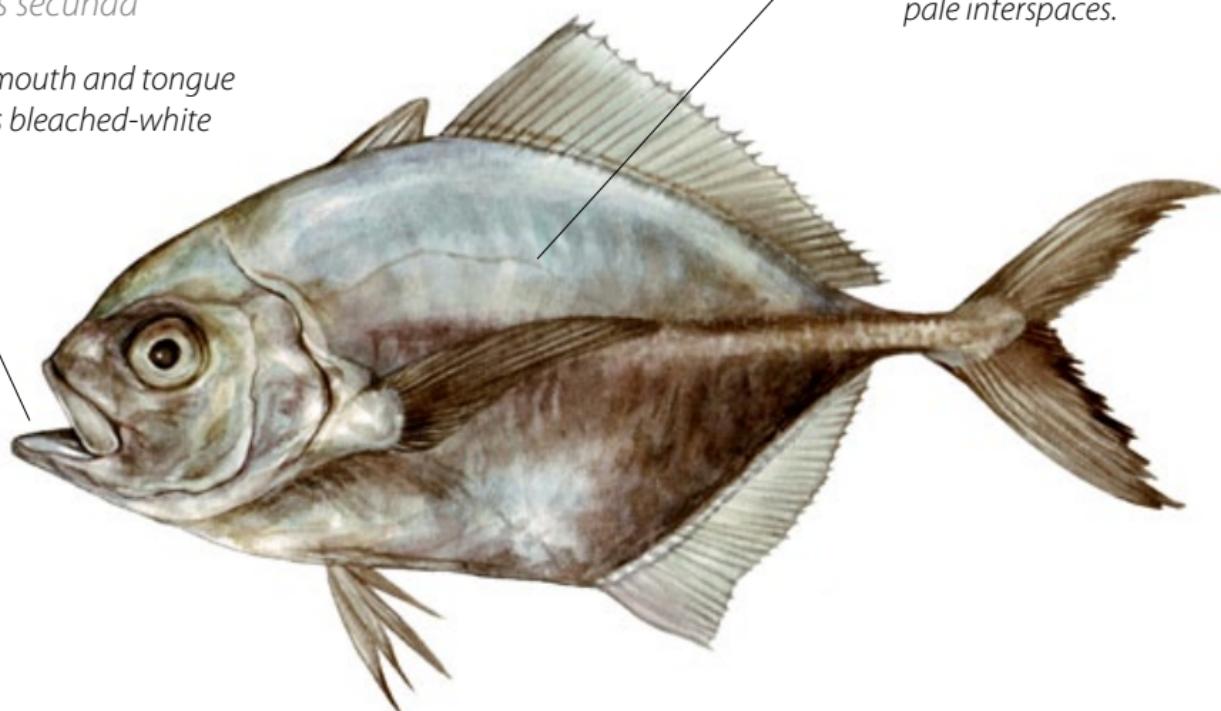
Juveniles bright yellow with 7-11 black bars.  
Adults silver with golden belly.

GLT

# Cottonmouth jack

*Uraspis secunda*

Inside of mouth and tongue  
appears bleached-white

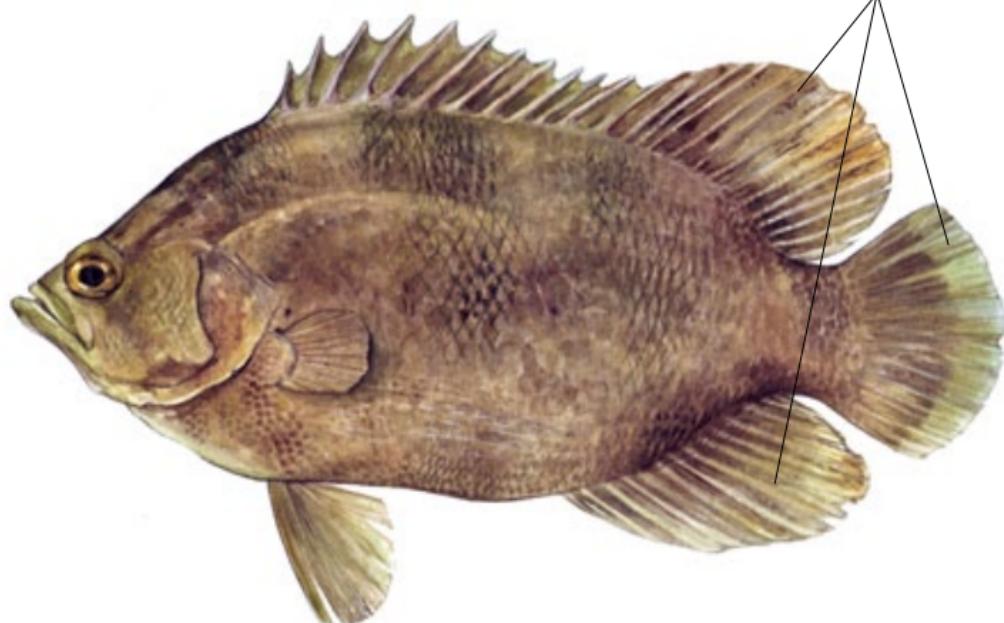


Adults dark to bluish black.  
Juveniles with 6-7 dark bands with  
pale interspaces.

USE

# Triple tail

*Lobotes surinamensis*

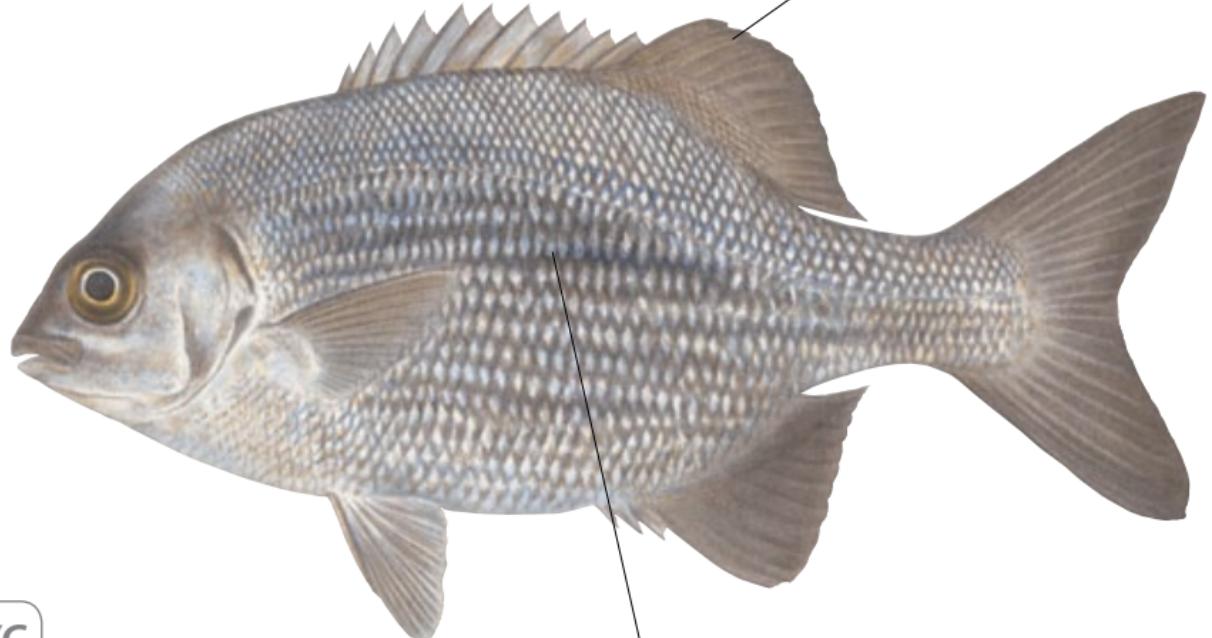


Large, rounded posterior lobes of dorsal and anal fins that are equal to caudal fin in size.

LOB

# Blue sea chub

*Kyphosus cinerascens*



Rear dorsal fin distinctly elevated

Silvery grey with thin dark horizontal lines on side

KYC

# Pilotfish

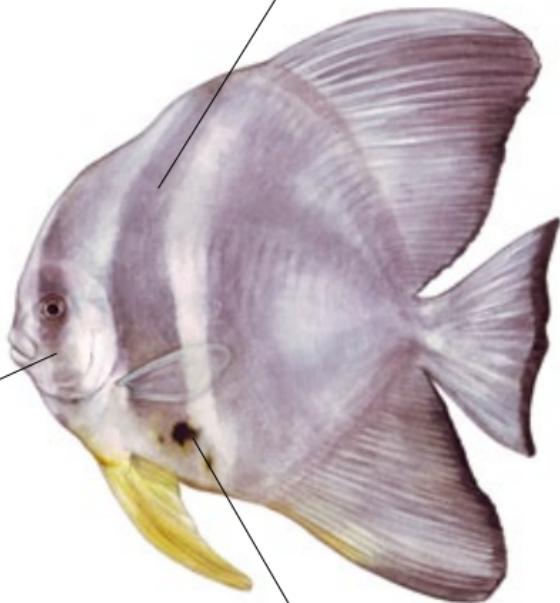
*Naucrates ductor*



NAU

# Batfish

*Platax teira*



Dark to faint bar  
through eye

Second bar from front of dorsal fin to ventral fin

Large dark blotch above rear edge of ventral fin

BAO

# **Index**

<i>Acanthocybium solandri</i> . . . . .	22
Albacore tuna . . . . .	12
<i>Aluterus monoceros</i> . . . . .	19
<i>Auxis rochei rochei</i> . . . . .	10
<i>Auxis thazard thazard</i> . . . . .	11
Batfish. . . . .	35
Bigeye scad . . . . .	27
Bigeye trevally . . . . .	28
Bigeye tuna (adult) . . . . .	9
Bigeye tuna (juvenile) . . . . .	7
Black marlin . . . . .	16
Blue marlin . . . . .	14
Blue sea chub . . . . .	33
Bullet tuna . . . . .	10
<i>Canthidermis maculatus</i> . . . . .	18
<i>Caranx sexfasciatus</i> . . . . .	28
<i>Coryphaena hippurus</i> . . . . .	21
Cottonmouth jack . . . . .	31
<i>Decapterus macarellus</i> . . . . .	26
<i>Elagatis bipinnulata</i> . . . . .	20
<i>Euthynnus affinis</i> . . . . .	5
Frigate tuna . . . . .	11
<i>Gnathanodon speciosus</i> . . . . .	30
Golden trevally . . . . .	30

Great barracuda . . . . .	23
Greater amberjack . . . . .	29
<i>Katsuwonus pelamis</i> . . . . .	4
Kawakawa . . . . .	5
<i>Kyphosus cinerascens</i> . . . . .	33
<i>Lobotes surinamensis</i> . . . . .	32
Mackerel scad . . . . .	26
Mahi mahi . . . . .	21
<i>Makaira indica</i> . . . . .	16
<i>Makaira nigricans</i> . . . . .	14
<i>Masturus lanceolatus</i> . . . . .	25
<i>Mola mola</i> . . . . .	24
<i>Naucrates ductor</i> . . . . .	34
Ocean sunfish . . . . .	24
Pilotfish. . . . .	34
<i>Platax teira</i> . . . . .	35
Rainbow runner . . . . .	20
Rough triggerfish. . . . .	18
<i>Selar crumenophthalmus</i> . . . . .	27
<i>Seriola dumerili</i> . . . . .	29
Sharptail sunfish . . . . .	25
Skipjack tuna . . . . .	4
<i>Sphyraena barracuda</i> . . . . .	23
Spotted oceanic triggerfish . . . . .	18
Striped marlin . . . . .	15
<i>Tetrapturus audax</i> . . . . .	15

<i>Thunnus alalunga</i>	12
<i>Thunnus albacares</i>	6/8
<i>Thunnus obesus</i>	7/9
Triple tail	32
Unicorn leatherjacket filefish	19

## ***Index of FAO codes***

<b>ALB</b>	<i>Thunnus alalunga</i>	12
<b>ALM</b>	<i>Aluterus monoceros</i>	19
<b>AMB</b>	<i>Seriola dumerili</i>	29
<b>BAO</b>	<i>Platax teira</i>	35
<b>BET</b>	<i>Thunnus obesus</i>	7/9
<b>BIS</b>	<i>Selar crumenophthalmus</i>	27
<b>BLM</b>	<i>Makaira indica</i>	16
<b>BLT</b>	<i>Auxis rochei rochei</i>	10
<b>BUM</b>	<i>Makaira nigricans</i>	14
<b>CNT</b>	<i>Canthidermis maculatus</i>	18
<b>CXS</b>	<i>Caranx sexfasciatus</i>	28
<b>DOL</b>	<i>Coryphaena hippurus</i>	21
<b>FRI</b>	<i>Auxis thazard thazard</i>	11

<i>Uraspis secunda</i>	31
Wahoo	22
Yellowfin tuna (adult)	8
Yellowfin tuna (juvenile)	6

<b>GBA</b>	<i>Sphyraena barracuda</i>	23
<b>GLT</b>	<i>Gnathanodon speciosus</i>	30
<b>KAW</b>	<i>Euthynnus affinis</i>	5
<b>KYC</b>	<i>Kyphosus cinerascens</i>	33
<b>LOB</b>	<i>Lobotes surinamensis</i>	32
<b>MLS</b>	<i>Tetrapturus audax</i>	15
<b>MOX</b>	<i>Mola mola</i>	24
<b>MRW</b>	<i>Masturus lanceolatus</i>	25
<b>MSD</b>	<i>Decapterus macarellus</i>	26
<b>NAU</b>	<i>Naucrates ductor</i>	34
<b>RRU</b>	<i>Elagatis bipinnulata</i>	20
<b>SKJ</b>	<i>Katsuwonus pelamis</i>	4
<b>USE</b>	<i>Uraspis secunda</i>	31
<b>WAH</b>	<i>Acanthocybium solandri</i>	22
<b>YFT</b>	<i>Thunnus albacares</i>	6/8

For sharks and rays, please refer to the set of cards

'Shark and ray identification in tropical offshore fisheries' produced by SPC.



**SPC**  
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