

Shark Identification in Pacific Tropical Offshore Fisheries



These identification cards are produced by the Secretariat of the Pacific Community (SPC) to help improve catch data and statistics on sharks that interact with longline and purse-seine fisheries in the Western and Central Pacific (WCP). With a better understanding of shark stocks, regional fisheries managers can ensure that sharks are fished in a sustainable manner. The most likely users of the cards are fisheries observers, fishing masters and crew on board longline and purse-seine vessels in the WCP. Fisheries training institutions and fishing communities are other potential users.

This publication was made possible through financial support provided by the Governments of Australia, France and New Zealand.

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The production of these shark ID cards was conceived by Michel Blanc as part of a wider bycatch awareness campaign. Technical input was provided by Peter Stevens with the assistance of Doreen Brogan. The design was a team effort with the help of Teriihauroa Luciani and Aymeric Desurmet. Seventeen shark paintings are reproduced courtesy of Hawaii Division of Aquatic Resources.

Secretariat of the Pacific Community Cataloguing-in-publication data

Shark identification in Pacific tropical offshore fisheries / Secretariat of the Pacific Community. Illustrations by Les Hata.
Shark names also in Japanese, Mandarin Chinese and French

1. Sharks - Oceania - Identification. 2. Sharks - Oceania - Handbooks, manuals, etc.

I. Title. II. Secretariat of the Pacific Community.
597.321 AAGR2

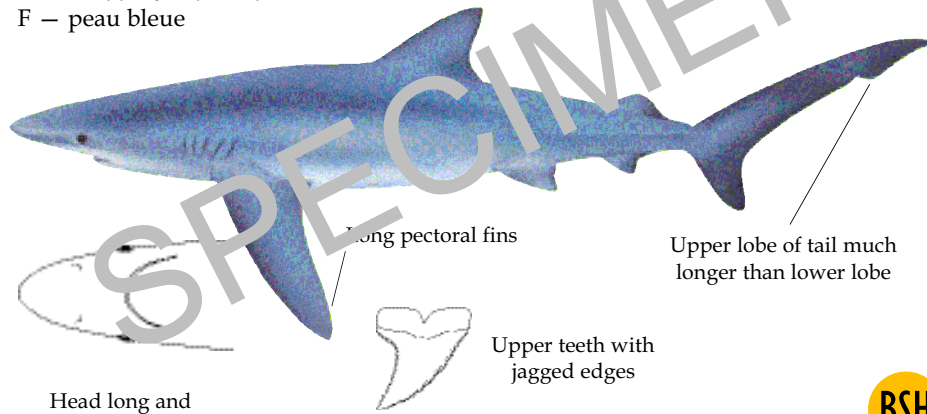
Agdex Pacific Islands 493/01

ISBN 982-00-0087-4

Blue shark

Prionace glauca

- J - ヨシキリザメ, ミズブカ, アオタ
- C - 大青鲨 (鋸鋒齒鯊)
- F - peau bleue



Head long and nose rounded

BSH

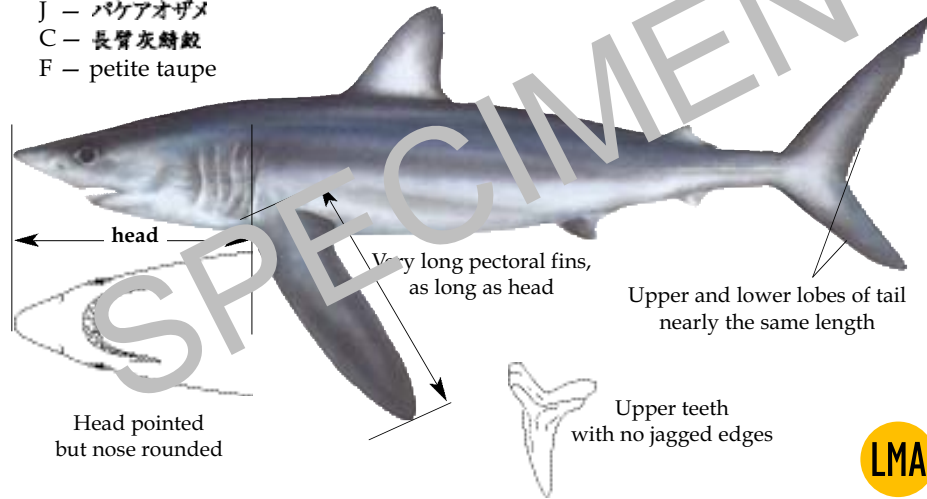
Sharks – with bluish colouring

Sharks — with bluish colouring

Longfin mako

Isurus paucus

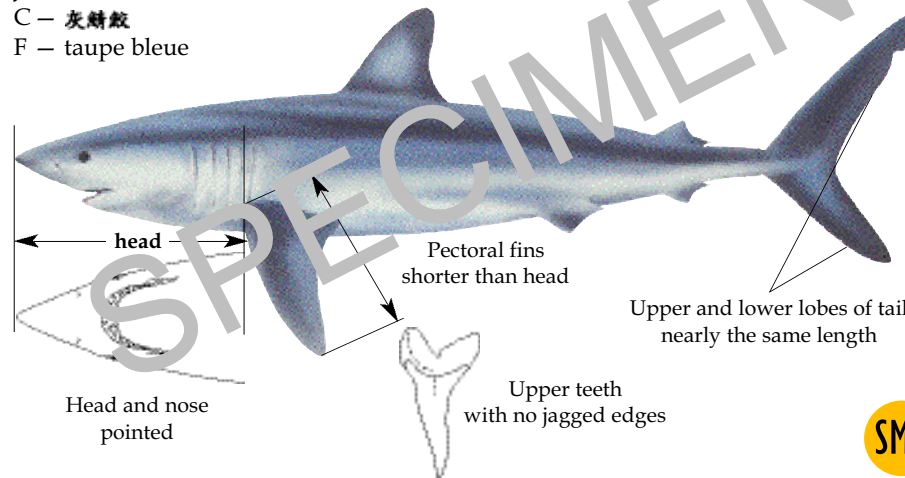
- J - パケアオサメ
- C - 長臂灰鯖鮫
- F - petite taupe



Shortfin mako

Isurus paucus

- J - アオザメ
- C - 灰鯖鮫
- F - taupe bleue



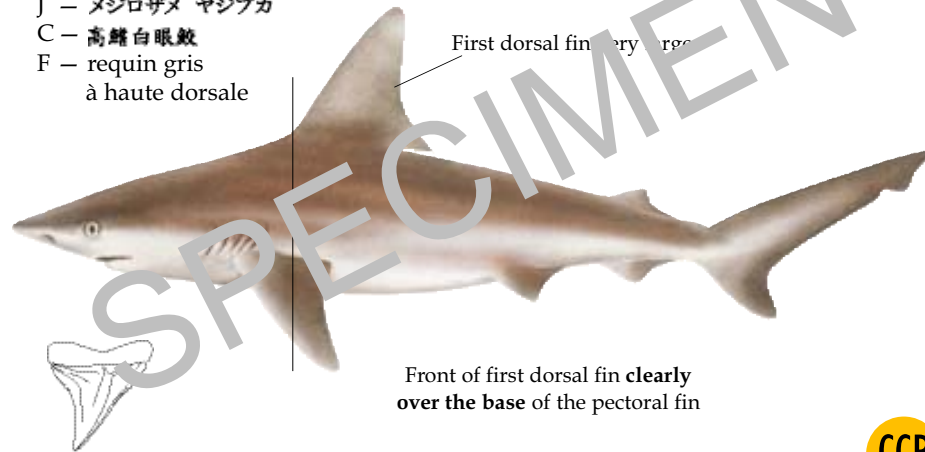
Sharks – with bluish colouring

Sharks — no obvious fin marks

Sandbar shark

Carcharhinus plumbeus

- J — メジロザメ ヤジブカ
- C — 高鰭白眼鯊
- F — requin gris
à haute dorsale

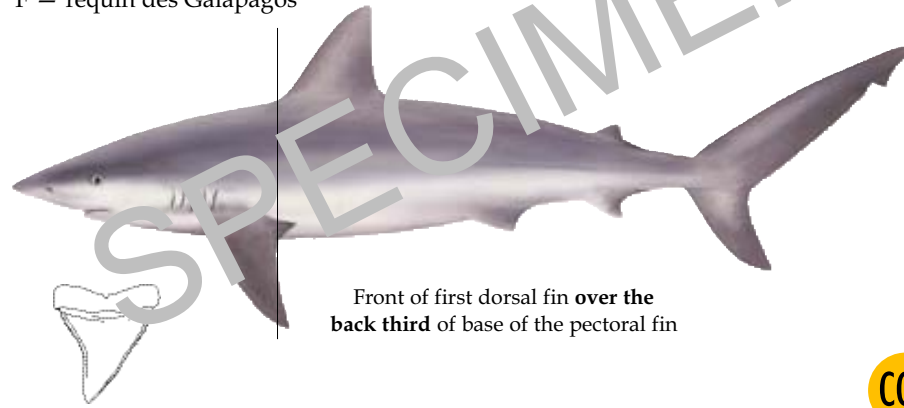


CCP

Galapagos shark

Carcharhinus galapagensis

- J - カラバゴスザメ
- C - 直翅真鲨
- F - requin des Galapagos



Front of first dorsal fin **over the**
back third of base of the pectoral fin

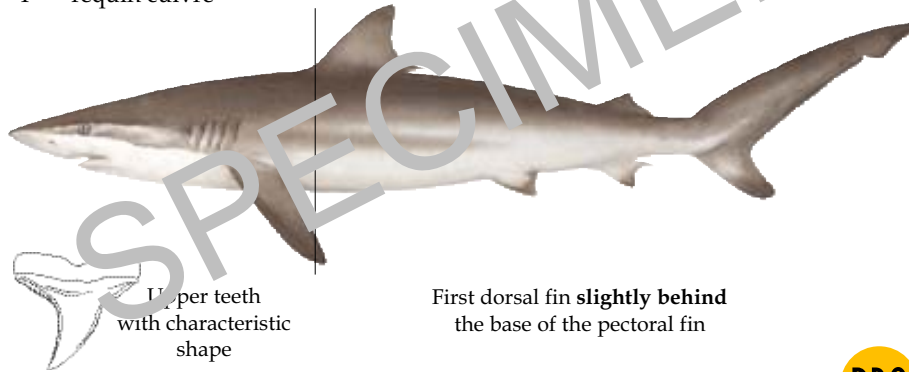
CCG

Sharks — no obvious fin marks

Copper shark (bronze whaler)

Carcharhinus brachyurus

- J – クロヘリメジロザメ
- C – 短尾白眼鯨
- F – requin cuivre



Upper teeth
with characteristic
shape

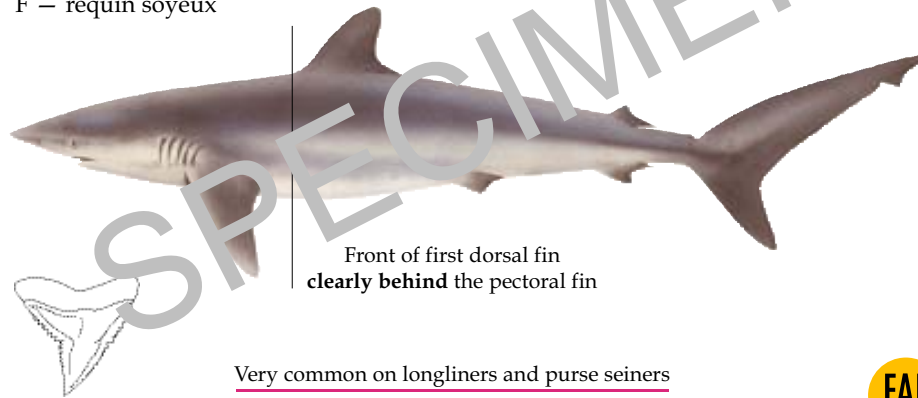
First dorsal fin **slightly behind**
the base of the pectoral fin

BRO

Silky shark

Carcharhinus falciformis

- J - クロトガリザメ
- C - 平滑白眼鯊
- F - requin soyeux



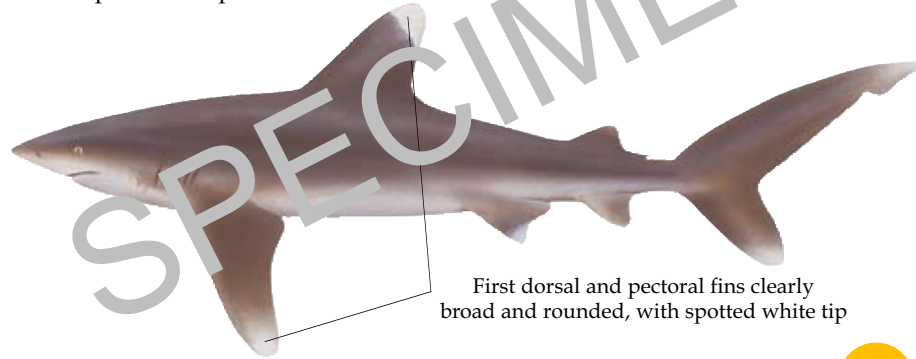
FAL

Sharks - no obvious fin marks

Oceanic whitetip

Carcharhinus longimanus

- J — ヨコザレ
- C — 汚斑白眼鯊
- F — requin océanique



First dorsal and pectoral fins clearly broad and rounded, with spotted white tip

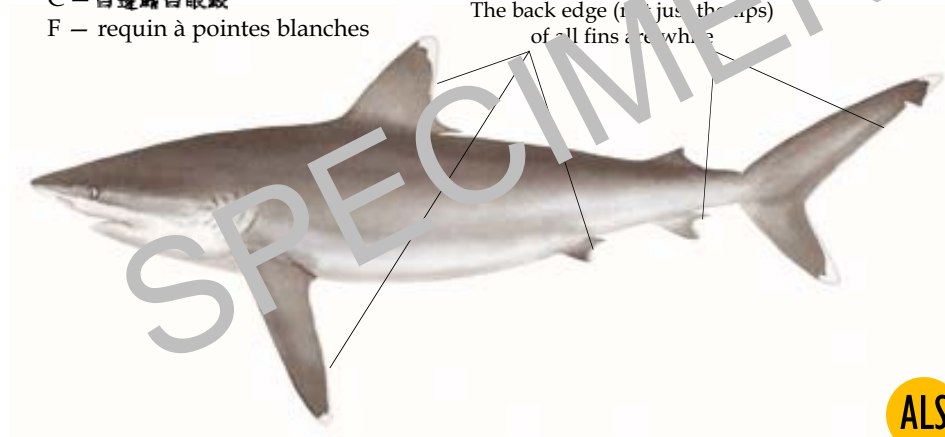
OCS

Silvertip shark

Carcharhinus albimarginatus

- J - ツマジロ
- C - 白邊鰐白眼鯨
- F - requin à pointes blanches

The back edge (not just the tips) of all fins are white



Sharks - with white tips

ALS

Sharks — with white tips

Whitetip reef shark

Triaenodon obesus

- J — ネムリブカ
- C — 鰐鯊
- F — requin corail



TRB

Blacktip reef shark

Carcharhinus melanopterus

- J - ツマグロ
- C - 汚翅白眼鯊
- F - requin à pointes noires

Distinct black markings at the tip of the
fin, dorsal fin and bottom lobe of tail



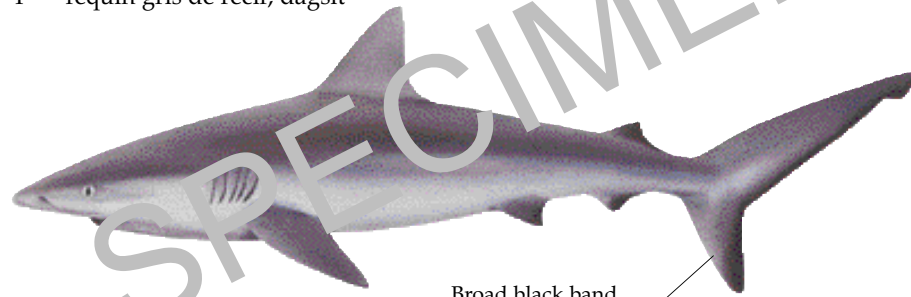
BLR

Sharks - with black fin/tail marks

Grey reef shark

Carcharhinus amblyrhynchos

- J — オグロメジロザメ, ハイイロメジロザメ
- C — 黒印白眼鯊
- F — requin gris de récif, dagsit



Broad black band
at the back edge of tail

AML

Blacktip shark

Carcharhinus limbatus

- J - カマストガリザメ
- C - 黒邊鰭白眼鯨
- F - requin bordé

Dark-to-black tips
on nostrils



CCL

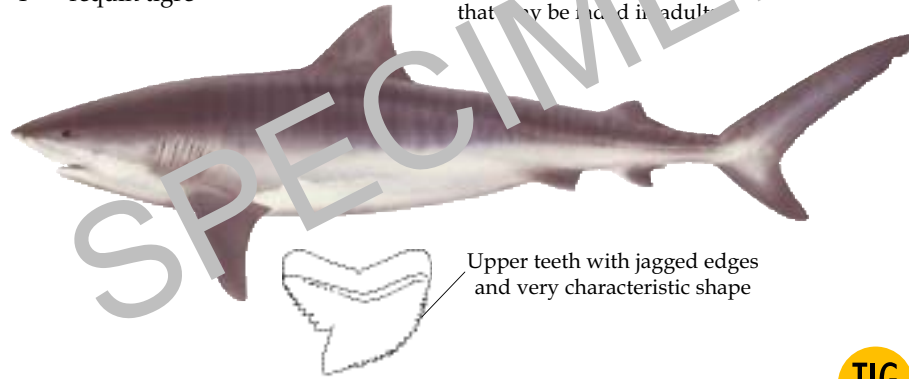
Sharks — with black fin/tail marks

Tiger shark

Galeocerdo cuvier

- J – イタチザメ, トラザメ
- C – 鮫紋
- F – requin tigre

Dark, tiger-stripe markings that may be faded in adults



Upper teeth with jagged edges and very characteristic shape

TIG

Bigeye sand tiger shark

Odontaspis noronhai

- J - ブラジルワニザメ
- C - 大眼砂鋸齒鯊
- F - requin noronhai



Large eyes

Upper lobe of tail much longer than lower lobe



Upper teeth without jagged edges and 3-pointed ends

ODH

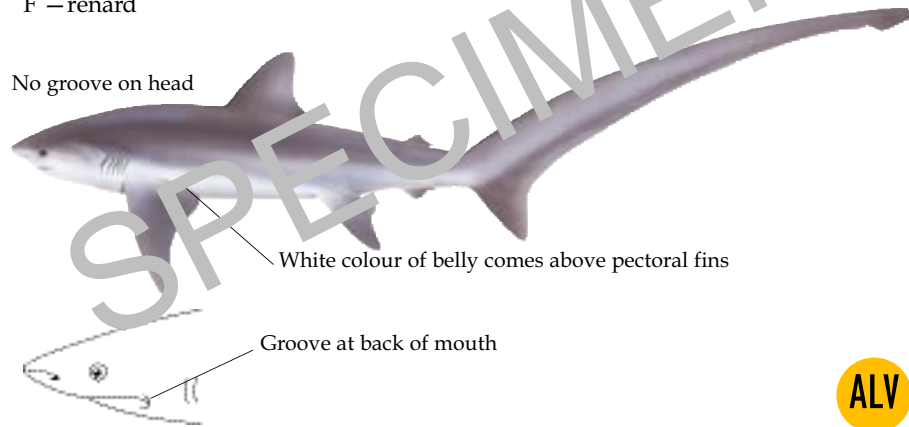
Sharks - other

Common thresher

Alopias vulpinus

- J - マオナガ, オナガザメ
- C - 狐鯨
- F - renard

No groove on head



White colour of belly comes above pectoral fins

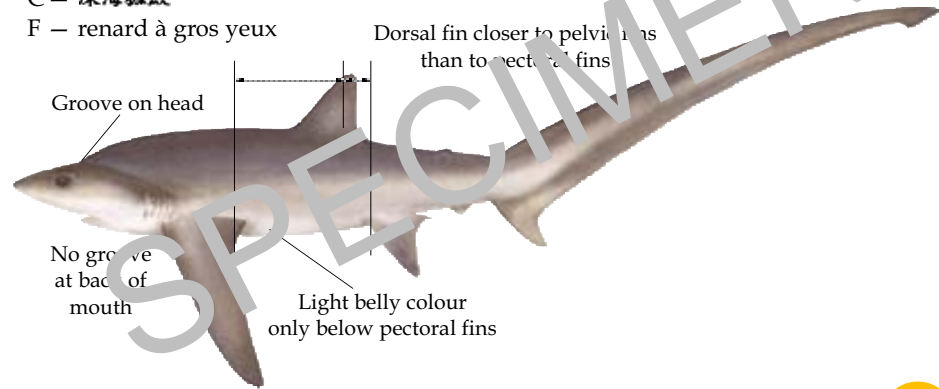
Groove at back of mouth

ALV

Bigeye thresher

Alopias superciliosus

- J - ハチワレ
- C - 深海狐鮫
- F - renard à gros yeux



Thresher Sharks

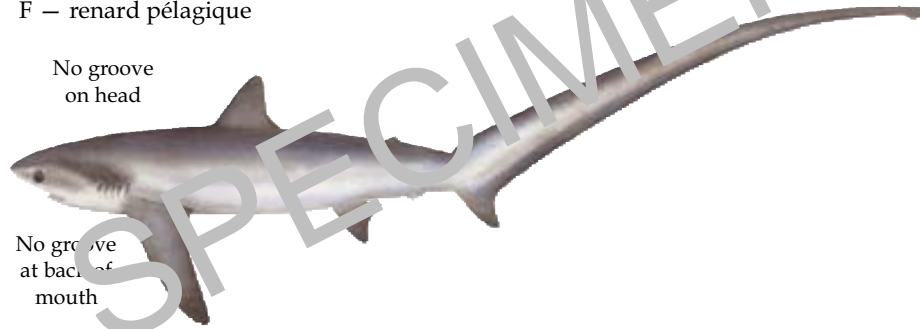
BTH

Pelagic thresher

Alopias pelagicus

- J - ニタリ
- C - 淺海孤鯨
- F - renard pélagique

No groove
on head



No groove
at back of
mouth

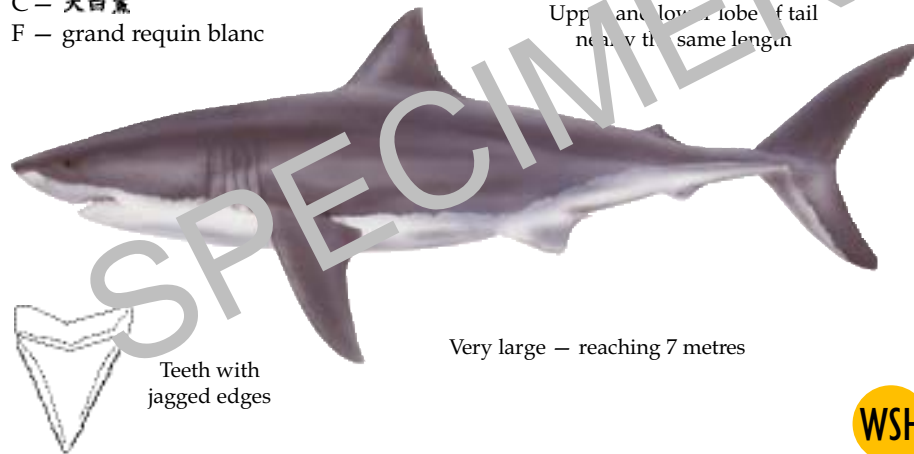
PTH

Great white shark

Carcharodon carcharias

- J - ホホジロザメ, ホホジロ, イラギ, マイラ
- C - 大白鯊
- F - grand requin blanc

Upper and lower lobe of tail
nearly the same length



Teeth with jagged edges

Very large - reaching 7 metres

WSH

Sharks - very large

Sharks – very large

Basking shark

Cetorhinus maximus

- J – ウバザメ
- C – 象鯨 (姥鯨)
- F – pélerin

Massive gill slits that go almost all the way around the head

Very small teeth



Huge – can be as big as 12 metres long

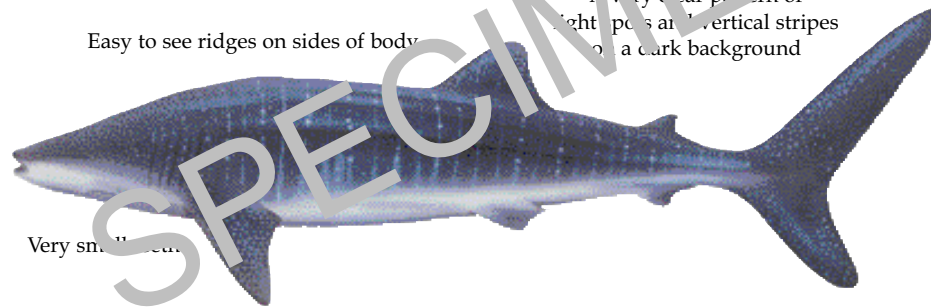
BSK

Whale shark

Rhincodon typus

- J - ジンベエザメ
- C - 鯨鯨
- F - requin baleine

Very small head
 Easy to see ridges on sides of body
 A very clear pattern of light spots and vertical stripes on a dark background



Huge - can be as big as 18 metres long

RHN

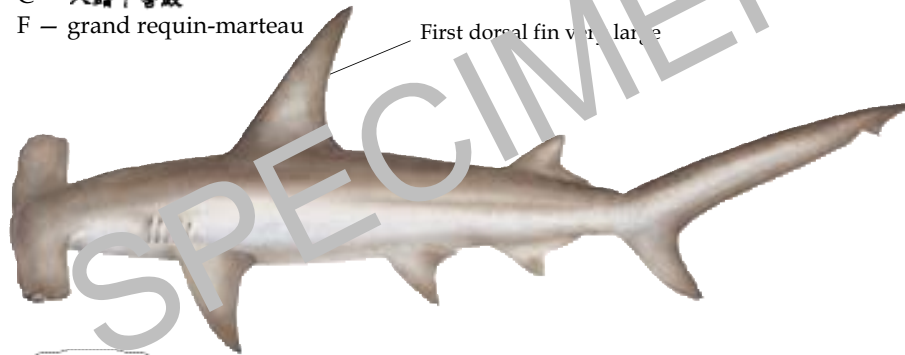
Sharks - very large

Great hammerhead

Sphyrna mokarran

- J — ヒラシユモクザメ
- C — ハヅヅサメ
- F — grand requin-marteau

First dorsal fin very large



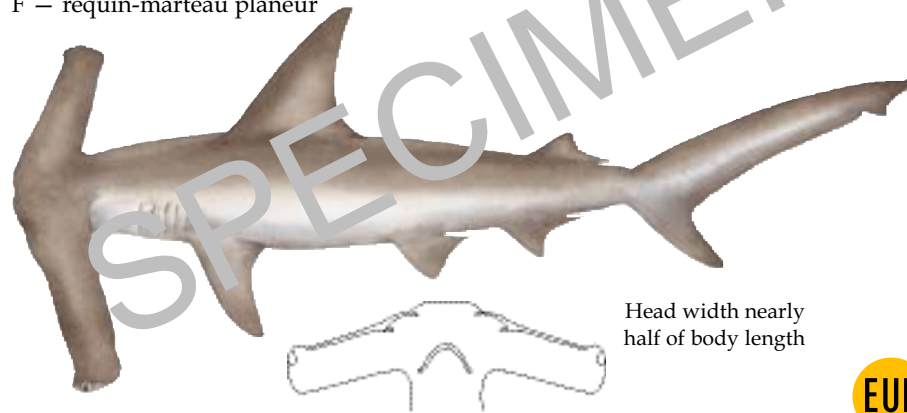
Front of head nearly straight with slight dent in middle

SPK

Winghead shark

Eusphyrus blochii

- J - インドシュモクザメ
- C - 勃氏美雙髻鲨
- F - requin-marteau planeur



Head width nearly
half of body length

EUB

Sharks - hammerheads

Scalloped hammerhead

Sphyrna lewini

- J — アカシュモクザメ
- C — 紅肉ノ髻鯊
- F — requin-marteau halicorne



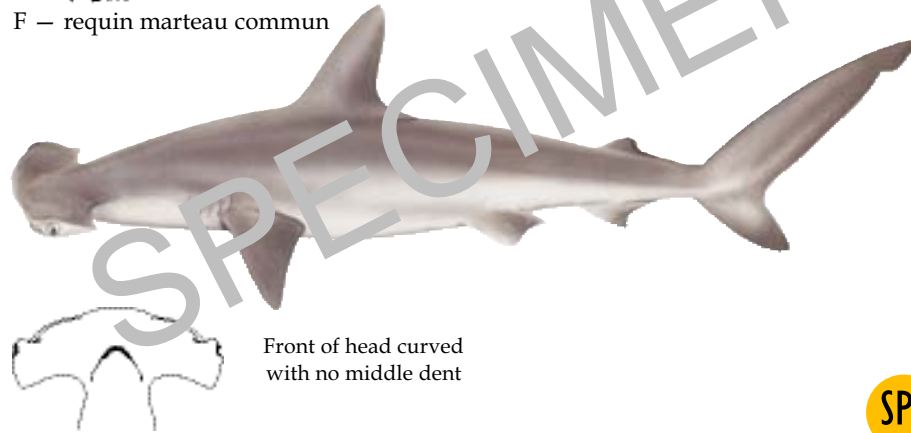
Front of head curved with middle dent and a distinct lobe at each end

SPL

Smooth hammerhead

Sphyrna zygaena

- J - シロシュモクザメ
- C - ヲ髻鯊
- F - requin marteau commun



Front of head curved
with no middle dent

SPZ

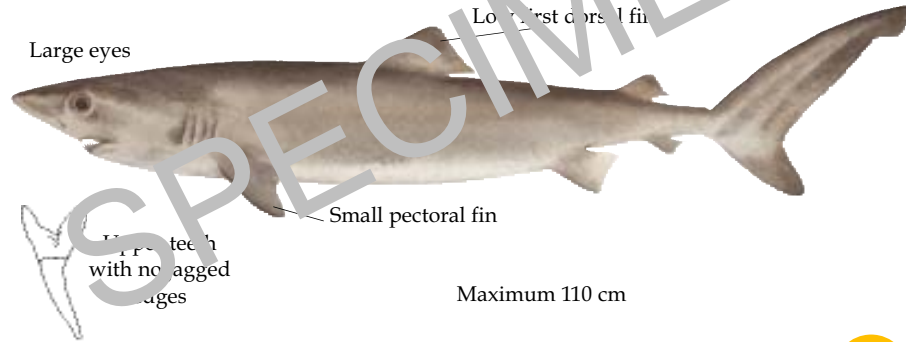
Sharks - hammerheads

Sharks – small

Crocodile shark

Pseudocarcharia kamoharai

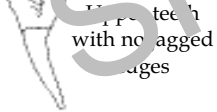
- J – ミズワニ, シックイ, トビツキ
- C – 蒲原氏擬鯊
- F – requin crocodile



Large eyes

Low first dorsal fin

Small pectoral fin



Upper teeth with no ragged edges

Maximum 110 cm

PSK

Cookie cutter shark

Isistius brasiliensis

- J - ダルマザメ
- C - 雪茄鮫
- F - squalolet féroce



Maximum 50 cm

ISB

Sharks - small

Help keep the oceans and the fishing industry healthy!

Identify, record and correctly report every shark caught on your vessel

Sharks are crucial in ocean food chains. By killing and eating old or sick animals they help keep marine eco-systems healthy.

Several shark species are targeted or caught in large numbers as bycatch in the Western and Central Pacific.

We know sharks reproduce slowly compared to other fish but there is a lot we don't know. We do know that both marine eco-systems and people's livelihoods depend on sharks and their associated fisheries and so sharks must not become over-fished!

The information that you report helps add to our knowledge about sharks and helps the fishing industry.

海と水産部(Sea and Fisheries)の使命
実船で漁獲されたすべてのサメの種を特定し、記録し、正しく報告してください。

サメは食物連鎖上、重要な種です。サメは病弱動物の肉を消費することによって、生態系を健全に維持しています。西太平洋でいくつかのサメが標的種、または副産物として(獲獲)されています。私たちは、他の魚と比べてサメの再生(回復)の速度が遅いことを知っています。私たちは、海の生態系と人々の生計(生活)がサメと関係していることを知っています。私たちは、海の生態系と人々の生計(生活)がサメと関係していることを知っています。ですからサメは乱獲されてはいけません。あなたが報告する情報は、私たち(Sea and Fisheries)の使命を達成するのに役立ちますし、水産業にとっても有益な情報になります。

幫助維持海洋及漁業的健康!
仔細記錄並正確回報所捕獲的鯊魚

鯊魚在海洋食物鏈中所扮演角色举足轻重。它們藉由掠食年老或生病的海洋生物來維持海洋生態系統的健康。部分種類的鯊魚在西太平洋海域大量的被漁獲或副獲。我們瞭解鯊魚繁殖的速度遠不如其他硬骨魚類。但人類對於鯊魚實仍有諸多不解之處。我們瞭解海洋生態系統、以及人類賴以生存的鯊魚漁業均建立在鯊魚身上。因此必須謹慎鯊魚免於過捕。您所提供的資料將有助於我們更進一步了解鯊魚。這將有助於鯊魚漁業的發展。