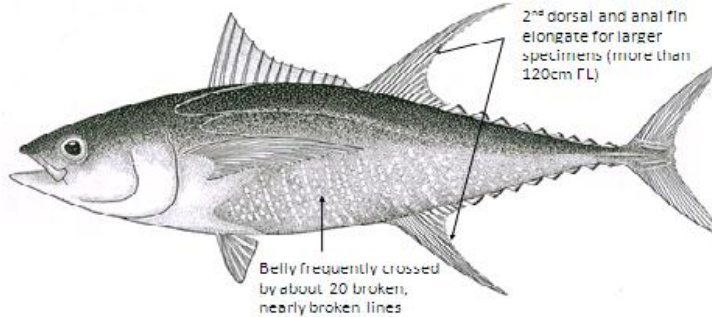


# SPECIES IDENTIFICATIONS SHEET OF MAJOR TUNA SPECIES FOUND IN SRI LANKA

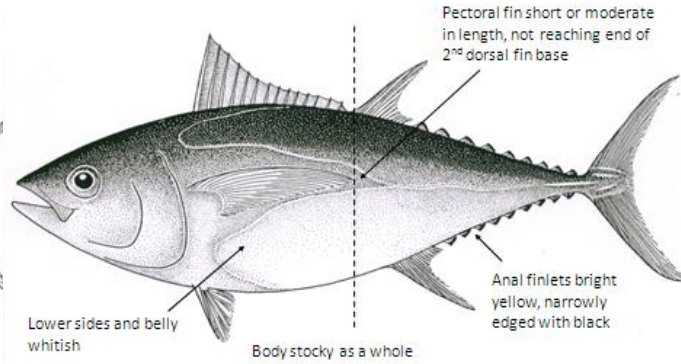
## Yellowfin tuna

Scientific name : *Thunnus albacares*  
 Sinhala name : Kelawalla  
 Fork length : 200 cm(Max)  
 Occurrence : Common



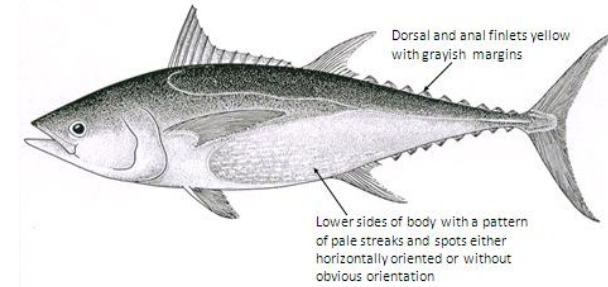
## Bigeye tuna

Scientific name : *Thunnus obesus*  
 Sinhala name : Asgedi kelawalla  
 Fork length : 200 cm(Max)



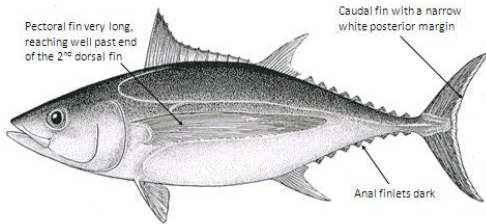
## Longtail tuna

Scientific name : *Thunnus tonggol*  
 Sinhala name : Iratawalla  
 Fork length : 130 cm(Max)  
 Occurrence : Rare



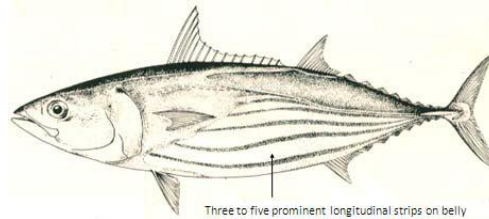
## Albacore

Scientific name : *Thunnus alalunga*  
 Sinhala name : Lansi kelawalla  
 Fork length : 127 cm(Max)  
 Occurrence : Rare



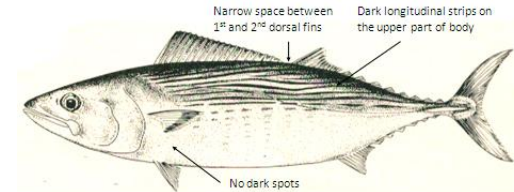
## Skipjack tuna

Scientific name : *Katsuwonus pelamis*  
 Sinhala name : Balaya  
 Fork length : 108 cm(Max)  
 Occurrence : Common



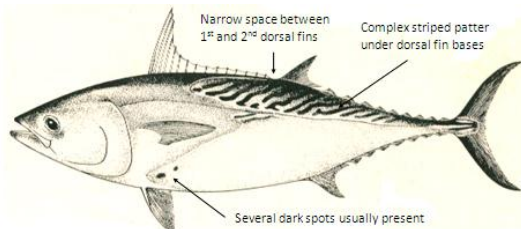
## Striped bonito

Scientific name : *Sarda orientalis*  
 Sinhala name : Thora balaya  
 Fork length : 100 cm(Max)  
 Occurrence : Average



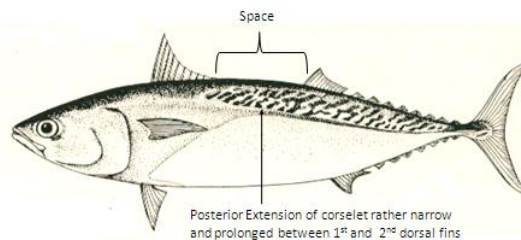
## Kawakawa

Scientific name : *Euthynus affinus*  
 Sinhala name : Atawalla  
 Fork length : 100 cm(Max)  
 Occurrence : Average



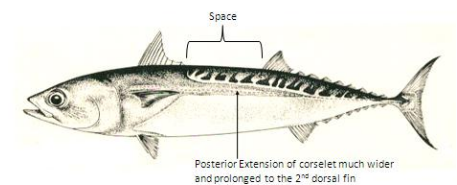
## Frigate tuna

Scientific name : *Auxis thazard*  
 Sinhala name : Alagoduwa  
 Fork length : 58 cm(Max)  
 Occurrence : Common



## Bullet tuna

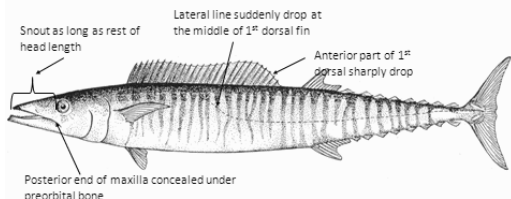
Scientific name : *Auxis rochei*  
 Sinhala name : Baita  
 Fork length : 50 cm(Max)  
 Occurrence : Common



# SPECIES IDENTIFICATIONS SHEET OF MAJOR TUNA LIKE SPECIES FOUND IN SRI LANKA

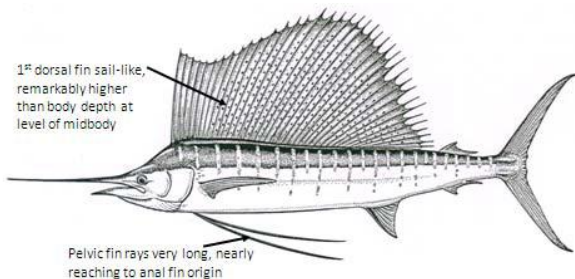
## Wahoo

Scientific name : *Acanthocybium solandri*  
 Sinhala name : Sawara  
 Fork length : 210 cm(Max)  
 Occurrence : Average



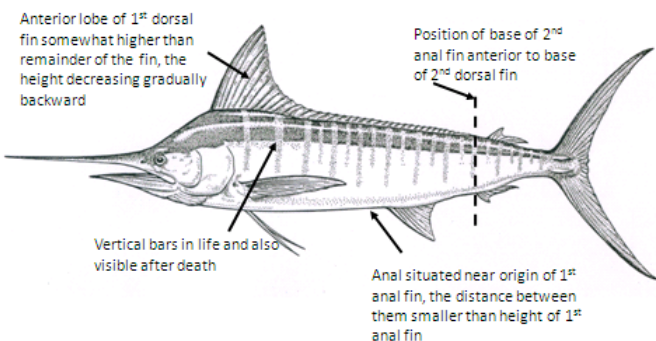
## Indo-pacific sail fish

Scientific name : *Istiophorus platipterus*  
 Sinhala name : Thalapatha  
 Fork length : 340 cm(Max)  
 Occurrence : Average



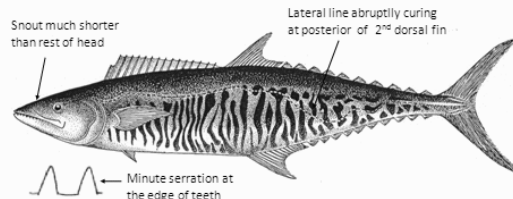
## Striped marlin

Scientific name : *Tetrapturus audax*  
 Sinhala name : Koppara(Iri)  
 Fork length : 350 cm(Max)  
 Occurrence : Rare



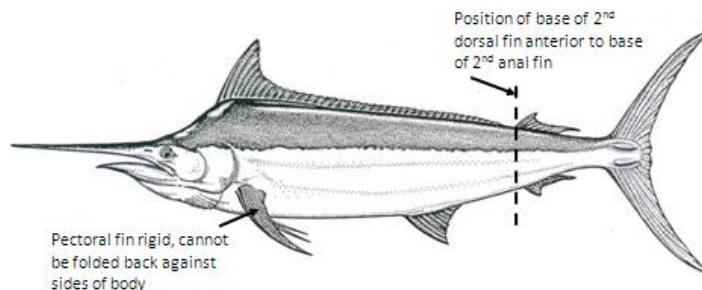
## Narrowbarred spanish mackerel

Scientific name : *Scomberomorus commerson*  
 Sinhala name : Ahin thora  
 Fork length : 220 cm(Max)  
 Occurrence : Average



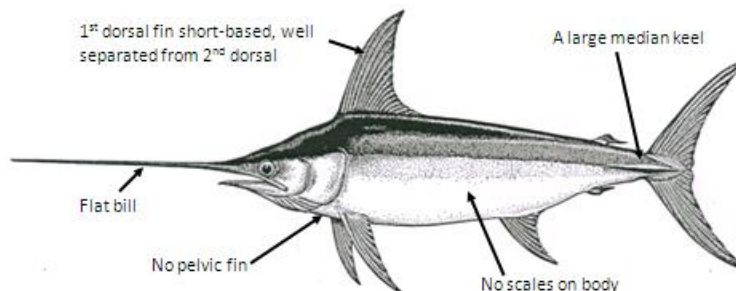
## Black marlin

Scientific name : *Makaria indica*  
 Sinhala name : Koppara(kalu)  
 Fork length : 460cm(Max)  
 Occurrence : Average



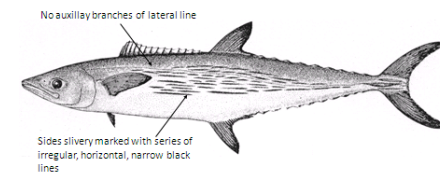
## Sword fish

Scientific name : *Xiphias gladius*  
 Sinhala name : Sappara  
 Fork length : 445 cm(Max)  
 Occurrence : Average



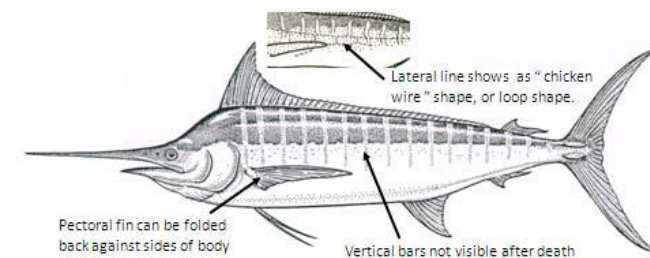
## Streaked seerfish

Scientific name : *Scomberomorus lineatus*  
 Sinhala name : Thora anjilawa  
 Fork length : 80 cm(Max)  
 Occurrence : Average



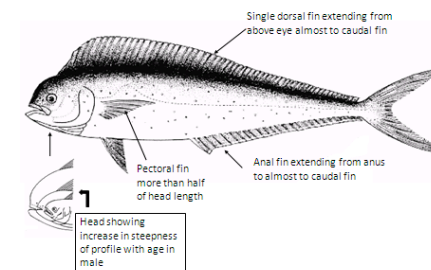
## Indo-pacific blue marlin

Scientific name : *Makaria mazara*  
 Sinhala name : Koppara(nil)  
 Fork length : 440 cm(Max)  
 Occurrence : Average



## Dolphinfish

Scientific name : *Coryphaena hippurus*  
 Sinhala name : Vannawa  
 Fork length : 200 cm(Max)  
 Occurrence : Average



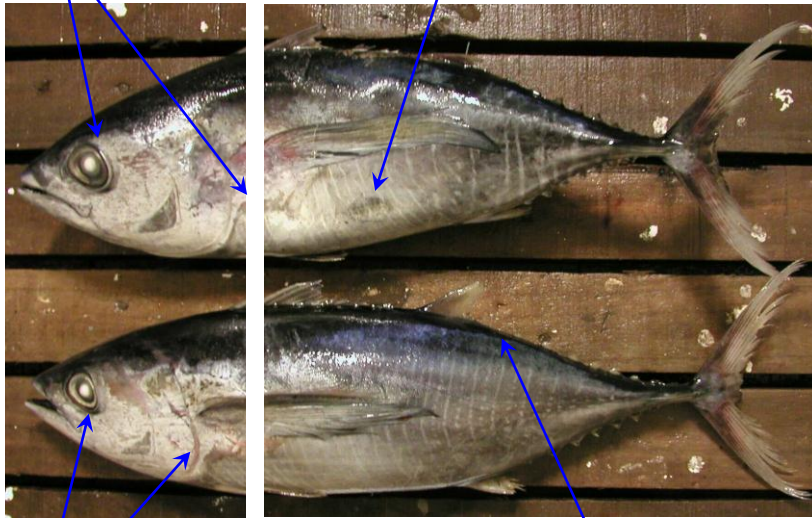
v4: 3-23-04

## External Characteristics

### Head and eye morphology and Body Marking

#### ➤ Bigeye

- greater head length and depth vs Fork Length than yellowfin
- greater eye diameter compared to yellowfin of same Fork Length
- irregular, vertical, widely spaced lines
- mostly straight white lines, fewer spots or dashes



#### ➤ Yellowfin

- shorter head length and depth vs Fork Length than bigeye
- smaller eye diameter compared to bigeye of same Fork Length
- conspicuous, chevron pattern of closely spaced silvery lines
- lines alternate between solid lines and rows of dots

v4: 3-23-04

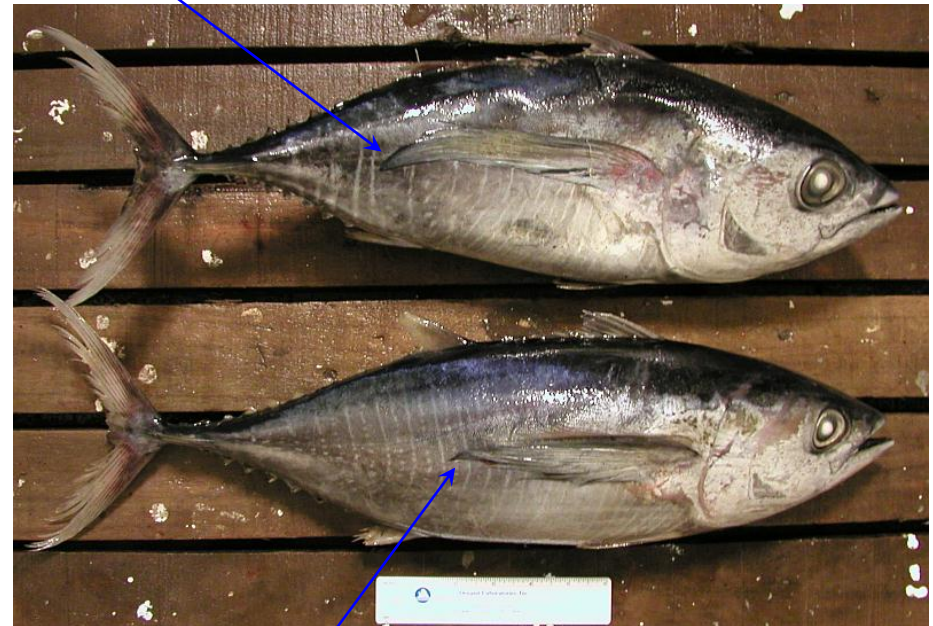
## External Characteristics

### Pectoral fin length and characteristics

(for fish ~46-110 cm)

#### ➤ Bigeye

- pectoral fin reaching beyond base of second dorsal fin
- pectoral fin thin, pointed and flexible



#### ➤ Yellowfin

- pectoral fin reaching no further than center of base of second dorsal fin
- pectoral fin thicker, stiffer compared to bigeye

v4: 3-23-04

## External Characteristics

### Pectoral fin characteristics



#### ➤ Bigeye

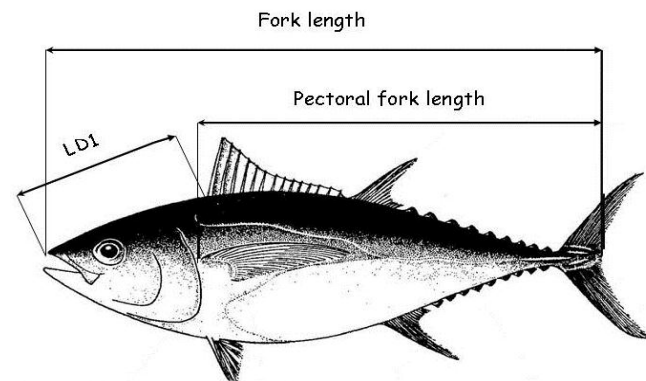
- pectoral fin tip often points ventrally when folded
- pectoral fin tip thin, pointed, “floppy”, often split
- forms a smooth arc when erected, fine tip easily split



#### ➤ Yellowfin

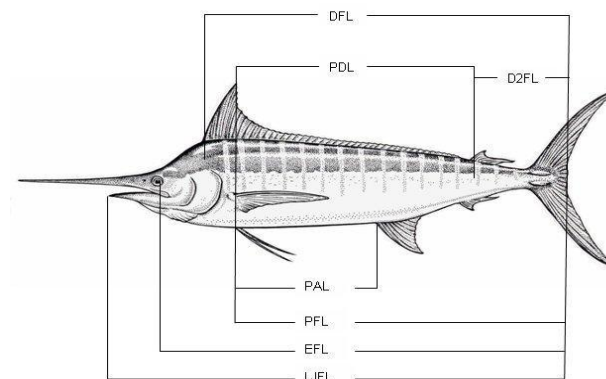
- pectoral fin shorter, thicker, “blade-like” compared to bigeye

### (1) Types of measurements used for tuna



LD1: Length to the first dorsal fin (Projected straight distance from the tip of the snout to the anterior base of the first dorsal fin)

### (2) Types of measurements used for billfish



DFL: Projected straight distance between the most anterior insertion of the dorsal fin and the fork of the tail

PDL: Projected straight distance between the most anterior insertion of the pectoral fin and the most anterior insertion of the second dorsal fin.

D2FL: Projected straight distance between the most anterior insertion of the second dorsal fin and the fork of the tail

PAL: Projected straight distance between the most anterior insertion of the pectoral fin to the most posterior rim of the anal sphincter.

PFL: Projected straight distance between the most anterior insertion of the pectoral fin and the fork of the tail.

EFL: Projected straight distance from the caudal margin of orbit to the fork of the tail.

LJFL: Projected straight distance from the tip of the lower jaw to the shortest caudal ray (fork of the caudal fin.).