

LIST OF SPECIES OCCURRING IN THE AREA

Code numbers are given for those families and species for which Identification Sheets are included

CHLAMYDOSELACHIDAE : Frilled sharks	CHLAM
<u>Chlamydoselachus anguineus</u> Garman, 1884	CHLAM Chlam 1
HEXANCHIDAE : Sixgill and sevengill sharks, cow sharks	HEX
<u>Heptanchias perlo</u> (Bonnaterre, 1788)	HEX Hept 1
<u>Hexanchus griseus</u> (Bonnaterre, 1788)	HEX Hex 1
<u>Hexanchus nakamurai</u> Teng, 1962	HEX Hex 2
? <u>Notorynchus cepedianus</u> (Peron, 1807)	HEX Noto 1
ECHINORHINIDAE : Bramble sharks	ECHIN
<u>Echinorhinus brucus</u> (Bonnaterre, 1788)	ECHIN Echin 1
SQUALIDAE : Dogfish sharks	SQUAL
<u>Centrophorus granulosus</u> (Bloch & Schneider, 1801)	SQUAL Centrop 1
<u>Centrophorus lusitanicus</u> Bocage & Capello, 1864	SQUAL Centrop 2
<u>Centrophorus moluccensis</u> Bleeker, 1856	SQUAL Centrop 5
<u>Centrophorus squamosus</u> (Bonnaterre, 1788)	SQUAL Centrop 3
<u>Centrophorus uyato</u> (Rafinesque, 1810)	SQUAL Centrop 4
<u>Centroscyllium ornatura</u> (Alcock, 1889)	
<u>Centroscymnus crepidater</u> (Bocage & Capello, 1864)	SQUAL Centros 2
<u>Dalatias licha</u> (Bonnaterre, 1788)	SQUAL Dal 1
<u>Deania profundorum</u> (Smith & Radcliffe, 1912)	
<u>Deania quadrispinosum</u> (McCulloch, 1915)	SQUAL Dean 2
<u>Etmopterus lucifer</u> Jordan & Snyder, 1902	
<u>Etmopterus sentosus</u> Bass, D'Aubrey & Kistnasamy, 1976	
<u>Euprotomicrus bispinatus</u> (Quoy & Gaimard, 1824)	
<u>Heteroscymnoides marleyi</u> Fowler, 1934	
<u>Isistius brasiliensis</u> (Quoy & Gaimard, 1824)	
<u>Scymnodon obscurus</u> (Vaillant, 1888)?	
<u>Squaliolus laticaudus</u> Smith & Radcliffe, 1912	
<u>Squalus asper</u> Merrett, 1973	SQUAL Squal 5
<u>Squalus megalops</u> (Macleay, 1881)	SQUAL Squal 4
<u>Squalus mitsukurii</u> Jordan & Snyder, in Jordan & Fowler, 1903	SQUAL Squal 6

? Presence in area uncertain

FAO Sheets

SHARKS

Fishing Area 51

PRISTIOPHORIDAE : Saw sharks

Pliotrema warreni Regan, 1906
Pristiophorus sp.

PRISTIOP

PRISTIOP Plio 1

SQUATINIDAE : Angel sharks

Squatina africana Regan, 1908

SQUAT

SQUAT Squat 5

HETERODONTIDAE : Bullhead shark

Heterodontus ramalheira (Smith, 1949)

HEY

NET Het 1

HEMISCYLLIIDAE : Longtail carpetsharks

Chiloscyllium arabicum Gubanov, in Gubanov & Shleib, 1980
Chiloscyllium caerulopunctatum Pellegrin, 1914
Chiloscyllium gryseum Müller & Henle, 1839
Chiloscyllium indicum (Gmelin, 1789)

? Chiloscyllium plagiosum (Bennett, 1830)

? Chiloscyllium punctatum Müller & Henle, 1839

HEMIS

HEMIS Chilo 1

HEMIS Chilo 2

STEGOSTOMATIDAE : Zebra sharks

Stegostoma fasciatura (Hermann, 1783)

STEG

STEG Steg 1

GINGLYMOSTOMATIDAE : Nurse sharks

Ginglymostoma brevicaudatum Günther, in Playfair & Günther, 1866
Nebrius ferrugineus (Lesson, 1830)

GINGL

GINGL Gingl 2

GINGL Nei) 1

RHINIODONTIDAE : Whale sharks

Rhiodon typus Smith, 1828

RHIN

RHIN Rhir 1

ODONTASPIDIDAE : Sand tiger sharks

Eugomphodus taurus (Rafinesque, 1810)

?? Eugomphodus tricuspidatus (Day, 1878)

Odontaspis ferox (Risso, 1810)

? Odontaspis noronhai (Maul, 1955)

ODONT

ODONT Eug 1

ODONT Odont 1

PSEUDOCARCHARIIDAE : Crocodile sharks

Pseudocarcharias kamoharai (Matsubara, 1936)

PSEUD

PSEUD Pseud 1

MITSUKURINIDAE : Goblin sharks

Mitsukurina owstoni Jordan, 1898

MITSU

MITSU Mitsu 1

? Presence in area uncertain

?? Dubious species, possibly a synonym of E. taurus

FAO Sheets

SHARKS

Fishing Area 51

ALOPIIDAE : Thresher sharks

ALOP

Alopias pelagicus Nakamura, 1936
Alopias superciliosus (Lowe, 1839)
Alopias vulpinus (Bonnaterre, 1788)

ALOP Alop 3
ALOP Atop 1
ALOP Alop 2

LAMNIDAE : Mackerel sharks

LAMN

Carcharodon carcharias (Linnaeus, 1758)

LAMN Car 1

Isurus oxyrinchus Rafinesque, 1810
Isurus paucus Guitart, 1966

LAMN Isur 1
LAMN Isur 2

Lamna nasus (Bonnaterre, 1788)

LAMN Lamn 1

SCYLIORHINIDAE : Catsharks

SCYL

Apristurus indicus (Brauer, 1906)

Atelomycterus marmoratus (Bennett, .1830)

SCYL Atel 1

Cephaloscyllium sufflans (Regan, 1921)
Cephaloscyllium silasi (Talwar, 1974)

Halaelurus alcocki Garman, 1913
Halaelurus boesemani Springer & D'Aubrey, 1972
Halaelurus hispidus (Alcock, 1891)
Halaelurus lineatus Bass, D'Aubrey & Kistnasamy, 1975
Halaelurus lutarius Springer & D'Aubrey, 1972
Halaelurus natalensis (Regan, 1904)
Halaelurus cuagga (Alcock, 1899)
Haploblepharus edwardsii (Voigt, in Cuvier, 1832)
Haploblepharus fuscus Smith, 1950
Holohalaelurus punctatus (Gilchrist, 1914)
Holohalaelurus regani (Gilchrist, 1922)
Poroderma africanum (Gmelin, 1789)
Poroderma marleyi Fowler, 1934
Poroderma pantherinum (Smith, in Müller & Henle, 1838)
Scyliorhinus capensis (Smith, in Müller & Henle, 1838)

PROSCYLLIIDAE : Finback catsharks

PROS

Ctenacis fehlmani (Springer, 1968)

Eridacnis radcliffei Smith, 1913
Eridacnis sinuans (Smith, 1957)

PSEUDOTRIAKIDAE : False catsharks

PSEUDOT

Pseudotriakis microdon Capello, 1868

PSEUDOT Pseu 1

TRIAKIDAE : Houndsharks	TRIAK
? <u>Galeorhinus galeus</u> (Linnaeus, 1758)	
<u>Hypogaleus hyugaensis</u> (Miyosi, 1939)	TRIAK Hypo 1
<u>Iago omanensis</u> (Norman, 1939)	TRIAK Iago 1
<u>Iago</u> sp.	
<u>Mustelus manazo</u> Bleeker, 1854	TRIAK Must 6
<u>Mustelus mosis</u> Hemprich & Ehrenberg, 1899	TRIAK Must 7
<u>Scylliogaleus queckettii</u> Boulenger, 1902	TRIAK Scyl 1
? <u>Triakis megalopterus</u> (Smith, 1849)	
HEMIGALEIDAE : Weasel sharks	HEMIG
<u>Chaenogaleus macrostomus</u> (Bleeker, 1852)	HEMIG Cheen 1
<u>Hemigaleus microstomus</u> Bleeker, 1852	HEMIG Hemig 1
<u>Hemipristis elongatus</u> (Klunzinger, 1871)	HEMIG Hemip 1
* <u>Paragaleus</u> sp.	
CARCHARHINIDAE : Ground or requiem sharks	CARCH
<u>Carcharhinus albimarginatus</u> (Rüppell, 1837)	CARCH Carch 17
<u>Carcharhinus altimus</u> (Springer, 1950)	CARCH Carch 2
<u>Carcharhinus amblyrhynchoides</u> (Whitley, 1934)	CARCH Carch 18
<u>Carcharhinus amblyrhynchos</u> (Bleaker, 1856)	CARCH Carch 19
<u>Carcharhinus amboinensis</u> (Müller & Henle, 1839)	CARCH Carch 14
<u>Carcharhinus brachyurus</u> (Günther, 1870)	CARCH Carch 15
<u>Carcharhinus brevipinna</u> (Müller & Hanle, 1839)	CARCH Carch 3
<u>Carcharhinus dussumieri</u> (Valenciennes, in Müller & Henle, 1839)	CARCH Carch 20
<u>Carcharhinus falciformis</u> (Bibron, in Müller & Hanle, 1839)	CARCH Carch 24
<u>Carcharhinus galapagensis</u> (Snodgrass & Heller, 1905)	CARCH Carch 16
<u>Carcharhinus hemiodon</u> (Valenciennes, in Müller & Henle, 1839)	CARCH Carch 21
<u>Carcharhinus leucas</u> (Valenciennes, in Müller & Henle, 1839)	CARCH Carch 6
<u>Carcharhinus limbatus</u> (Valenciennes, in Müller & Henle, 1839)	CARCH Carch 7
<u>Carcharhinus longimanus</u> (Poey, 1661)	CARCH Carch 8
<u>Carcharhinus macloti</u> (Müller & Henle, 1839)	CARCH Carch 22
<u>Carcharhinus melanopterus</u> (Quoy & Gaimard, 1824)	CARCH Carch 23
<u>Carcharhinus obscurus</u> (LeSueur, 1818)	CARCH Carch 9
<u>Carcharhinus plumbeus</u> (Nardo, 1827)	CARCH Carch 11
<u>Carcharhinus sealei</u> (Pietschmann, 1916)	CARCH Carch 24
<u>Carcharhinus sorrah</u> (Valenciennes, in Müller & Henle, 1839)	CARCH Carch 25
<u>Carcharhinus wheeleri</u> Garrick, 1982	CARCH Carch 26
<u>Galeocerdo cuvieri</u> (Peron & LeSueur, in LeSueur, 1822)	CARCH Gal 1
<u>Glyphis gangeticus</u> (Müller & Henle, 1839)	CARCH Glyp 1
<u>Lamiopsis temmincki</u> (Müller & Henle, 1839)	CARCH Lamnio 1
<u>Loxodon macrorhinus</u> Müller & Henle, 1839	CARCH Lox 1

? Presence in area uncertain

* An undescribed species, to be named by the writer, occurring in the Arabian Sea south to southeastern India and probably Sri Lanka, and possibly off Madagascar (where it was ascribed to the Atlantic Paragaleus, P. pectoralis). It is taken in the Indian shark fishery and marketed fresh for human consumption

<u>Negaprion acutidens</u> (Rüppell, 1837)	CARCH Neg 2
<u>Prionace glauca</u> (Linnaeus, 1758)	CARCH Prion 1
<u>Rhizoprionodon acutus</u> (Rüppell, 1837)	CARCH Rhiz 3
<u>Rhizoprionodon oligolinx</u> Springer, 1964	CARCH Rhiz 4
<u>Scoliodon laticaudus</u> Müller & Henle, 1838	CARCH Scol 1
<u>Triaenodon obesus</u> (Rüppell, 1837)	CARCH Tria 1

SPHYRNIDAE : Hammerheads

SPHYRN

<u>Eusphyra blochii</u> (Cuvier, 1817)	SPHYRN Eus 1
<u>Sphyrna lewini</u> (Griffith & Smith, in Cuvier, Griffith & Smith, 1834)	SPHYRN Sphyrn 1
<u>Sphyrna mokarran</u> (Rüppell, 1837)	SPHYRN Sphyrn 3
<u>Sphyrna zygaena</u> (Linnaeus, 1758)	SPHYRN Sphyrn 4

Note: Basic knowledge of the biology of many species is often very deficient or entirely lacking, and fishery workers can contribute much new information on this subject. If possible, representative material of rare or uncommon species should be forwarded to large national museum collections, and basic information, such as total length, weight, sex, maturity, stomach contents, locality of capture, date, collector, method of collection, depth of capture, as well as photographs of the sharks in side, top and bottom views, should be recorded. Difficulties with the keys, or the possible use of better field characters, should be brought to the attention of the author, so that modifications can be made in subsequent versions of this section. Problems might also arise from the occurrence, in the area, of previously unrecorded species, new species, or variations within species not taken into consideration in the present keys and species accounts.

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