FISHES IN SONGKHLA LAKE

SEPTEMBER 1984

JAPAN INTERNATIONAL COOPERATION AGENCY

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Prepared by

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Volume I

(Fishes collected in the years 1981 - 83)

THE NATIONAL INSTITUTE
OF COASTAL AQUACULTURE
THAILAND

JAPAN INTERNATIONAL
COOPERATION AGENCY
JAPAN

PREFACE

"Fishes in Songkhla Lake" is a revision of the unpublished report, "Fishes of Songkhla Lake and Adjacent Waters", which was prepared by Songkhla Fisheries teams sponsored by the National Council of Research in 1970. Like its predecessor, this book also covers the area from Ko Nu and Ko Meo near the mouth of the lake in the south, to Thale Noi at the opposite end, and the freshwater areas around the basin. However, additional work has been done to increase the number of species of fishes and the number of photographs included in the book. It was also decided to include more distribution data for each species, which should make it easier to distinguish which are marine, estuary, freshwater, or cosmopolitan fish. Some of the species not included in this survey will be included in a second volume, which is to be completed in the next two years.

Earlier attempts to record fish fauna in the lake included a survey conducted by Dr. Nelson Annandale and published as the "Preliminary Report on the Fauna of the Thale Sap or Inland Sea of Singgora (now Songkhla)", in 1916. In it, he referred to surveys made earlier by Danish teams. Later, Dr. Henry W. Fowler published "Zoological Results of the Third de Schauensee Siamese Expedition (1934 - 1939)".

This was followed, in 1945, by Dr. H. M. Smith's "Freshwater Fishes of Siam (Thailand)", and in 1950, by Professor Chott Suvatti's "Fauna of Thailand". More recently, in 1968, Mr. Pramote Vanitkrong reported on "Fish Fauna in the Inner Part of Songkhla Lake", and the latest report was by Dr. Ranchai Tansakul, "The Fishes in Thale Noi", in 1983.

It is my sincere hope that this book will serve as a helpful reference source, and that it will decrease the amount of confusion over exactly which species of fish are to be found in the area of Songkhla Lake.

INTRODUCTION

Songkhla Lake is located in two provinces of southern Thailand, Songkhla and Phattalung, at Latitude 7° 08'N to 7° 50'N, and Longitude 100° 7'E to 100° 37'E. It is 20 km from east to west by 75 km from north to south, and has a total area of 1,290 km^2. The lake is subclassified into 3 distinct areas: Thale Noi, 37 km^2, at the northern end; Thale Luang, 974 km^2, in the center; and Thale Sap Songkhla Tonnok, 279 km^2, opening into the Gulf of Thailand in the south.

The temperature in the lake is high year round, ranging from 25° to 33°C, with an average of 27.4°C. Rainfall is heavy from October to January, with a maximum of about 600mm/month in November and December. The average rainfall from February through April is about 40mm/month. Altogether, about 1,800 million m^3 of water is discharged into the lake each year, the storage capacity of which is approximately 1,600 million m^3. The tide level of the lower part, Thale Sap Songkhla Tonnok, is 0.5m, and the current, as measured at the Songkhla fishing dock, is normally 0.8 to 1.2m/second. Both of these figures are lower for the inner lake, Thale Luang, due to its distance from the mouth of the lake.

For ease of reference, the entire lake area has been divided into 6 sections. A delimitation and description of each area follows:

Area I — Covers the mouth of Songkhla Lake and borders on Ko Nu, Ko Meo, and Hua Kao Deng. Sea water usually occupies the area, with salinity levels from 28 to 35 ‰. The substratum around the islands is rocky, but it changes to sandy loam near the coast. Water depth is from 5-6m near Ko Nu to 1m near the shore at Hua Kao Deng.

Area II — Covers the area from Hua Kao Deng to Ko Yo. The salinity level ranges from 25 to 28 ‰ in the rainy season (Oct. - Jan.), never remaining constant for long due to the tides. Bottom soil conditions range from sandy loam in the outer area to sandy clay in the inner area. The approximate depth is 1.2m, excluding the channel in front of Songkhla dock, which is about 12m deep.

Area III Covers the inner end of Thale Sap Songkhla Tonnok, from Ko Yo to Pak Raw. The salinity level ranges from 20 to 25 ‰, decreasing to 0 ‰ in the rainy season. The substratum is muddy clay, and the average depth is 1.9m.

Area IV Covers the area beginning with the narrow channel which connects the inner lakes and ending at a line from Ko Yai to Lam Chong Tanon. The water is always estuarial, with a salinity of from 10 to 20 ‰, decreasing to 0 ‰ depending on the amount of freshwater runoff into the lake. Bottom soil is muddy clay, and the depth is 1 - 1.2m in the lake, 5 - 7m in the channel.

Area V Covers the area from a line between Ko Yai and Lam Chong Tanon to the northern end of Thale Luang. It is a largely freshwater area with occasional intrusions of sea water, which raise the salinity to 5 - 8 ‰. These intrusions never last for long, however. The bottom soil is hard clay, and the average depth is 2m.

Area VI Covers Thale Noi, the freshwater reservoir connected to Thale Luang by a long, narrow channel (Klong Nan Ream). This section differs from the others in pH level; a level of 5 - 6 compared to a level of 7 - 8.2 for the other parts of Songkhla Lake. Most of the area is covered with aquatic weeds, the bottom soil is muddy clay combined with highly organic matter, and the depth is 1m.

Finally, the main fishing activities in Songkhla Lake are traps and net fisheries. A description of the fishing gear used, the area it is used in, and the types of fishes caught follows:

Gear	Area	Fishes
Wan Lei (gill net)	entire lake	Mullets
Wan Sam Chan (gill net with different mesh size)	Thale Sap	Shrimp
Pong Pang (set bag)	Thale Sap	Small fish and shrimp
Mora (trap)	Thale Sap	Fish and shrimp
Yor (4-arm scoop net)	entire lake	Mullets
Wan Roon (Shrimp scoop net)	Thale Sap	Shrimp

Lob (fish trap)	Thale Sap	Fish and shrimp
Wan Sam Kon (small impounding net, 300-500m)	Thale Sap	Fish and shrimp
Sai (fish trap)	Thale Luang Thale Noi	Fish and *Macrobrachium rosenbergii*
Wan Lom Yai (large impounding net, 1,500-3,000m)	Thale Luang	Fish and *Macrobrachium rosenbergii*
Lan (bamboo trap)	Thale Noi	Freshwater eel, *Fluta alba*
Hook	entire lake	Fish
Case net	entire lake	Fish, *Macrobrachium rosenbergii*
Wan Ka Pong (gill net, 13-15cm mesh size)	lake mouth	*Lates calcarifer*
Bam	lake mouth	Mullets

MATERIALS AND METHODS

Fish were collected for the survey beginning in 1981. Collection usually took place twice a week in the fish landing port of Songkhla Lake. The fish were photographed fresh, then preserved in a 10% formalin solution. All fishes were number coded and kept in the Museum of National Institute of Coastal Aquaculture (NICA), at Kaoseng, Songkhla, Thailand, except for those presented to the Faculty of Fisheries at Kasetsart University for their students to study.

The classification arrangement used in this report follows that of Dr. Joseph Nelson in "The Fish of the World."

ACKNOWLEDGEMENTS

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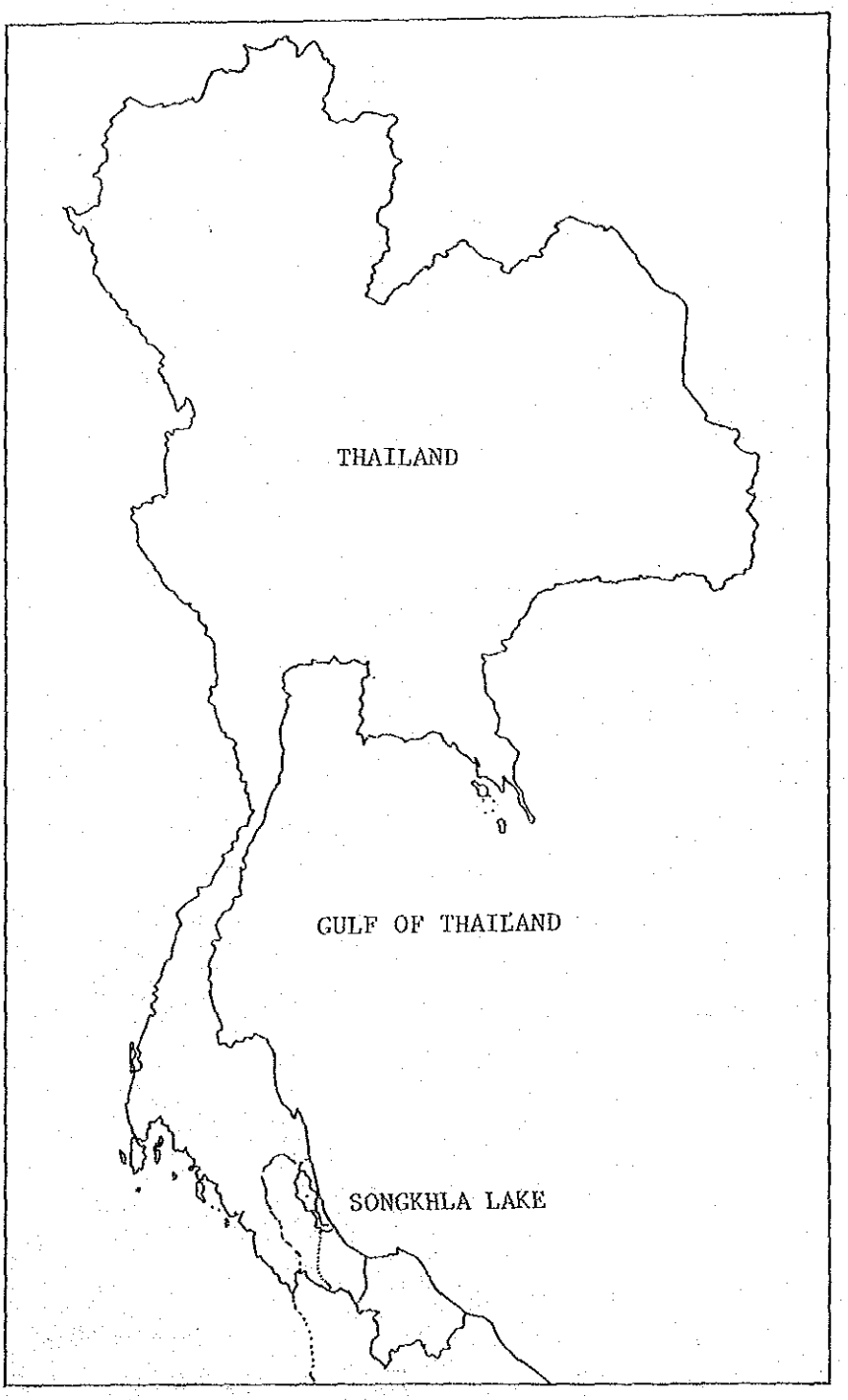
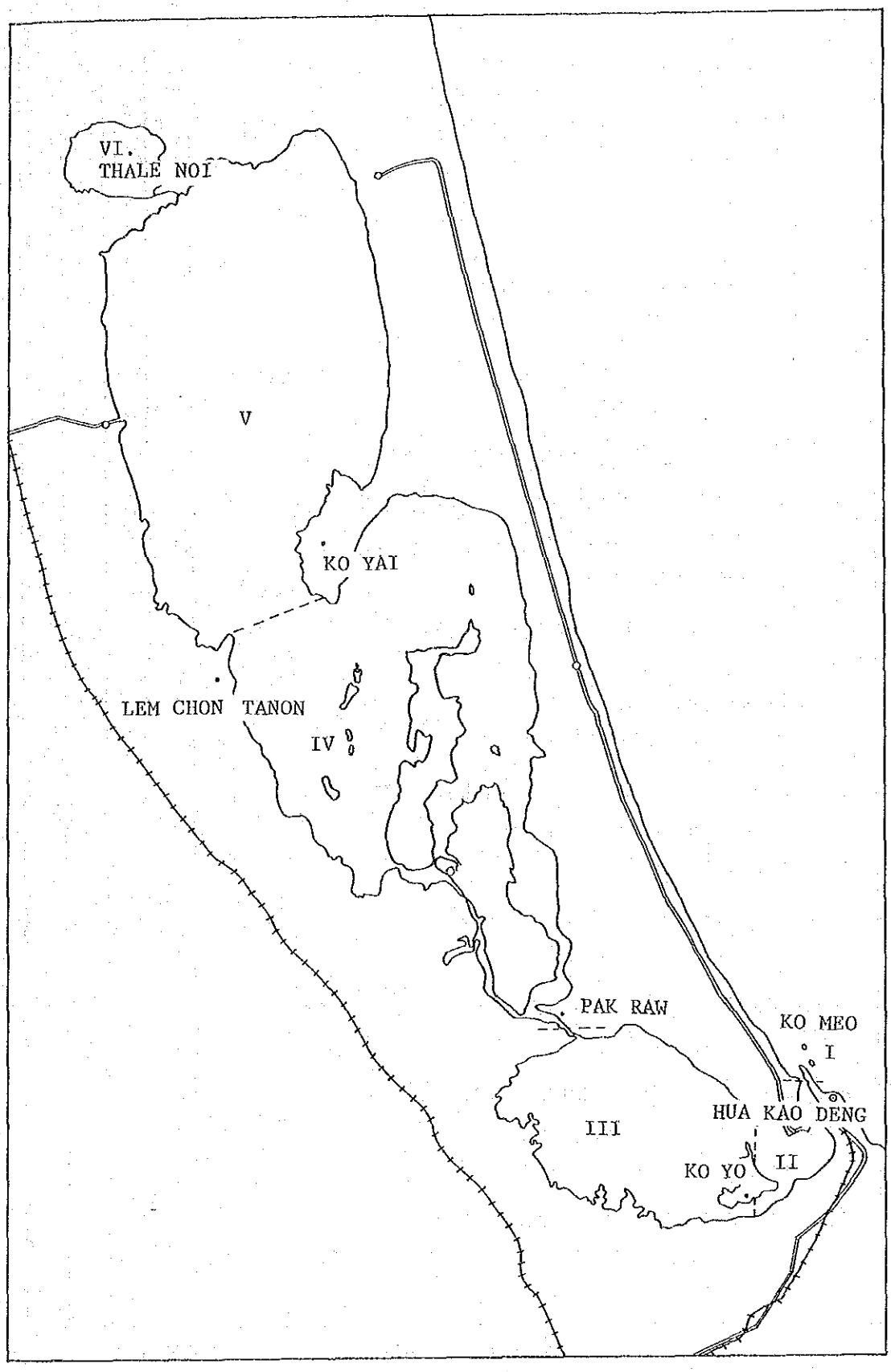
TANAKUMCHEP, and Mr. Supot CHENYAMPHIN for discussing and working with me, and to the staffs who helped in the collection of fishes. Finally, I would like to thank Ms. Arunee SANKASANYA for her work as photographer for this survey.



MAP OF THAILAND



SONGKHLA LAKE

FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
	Class Chondrichthyes						
	Order Lamniformes						
	Suborder Lamnoidei						
	Family Orectolobidae						
001	*Chiloscyllium griseum* (Müller et Henle, 1841)						
	Pla cha lam kob.	C	N	-	-	-	-
002	*Chiloscyllium punctatum* (Müller et Henle, 1841)						
	Pla cha lam kob.	C	N	-	-	-	-
	Family Carcharhinidae						
003	*Carcharhinus sorrah* (Müller et Henle, 1841)						
	Pla cha lam hu dam.	C	-	-	-	-	-
	Family Sphyrnidae						
004	*Sphyrna tudes* (Valenciennes, 1822)						
	Pla cha lam hua kon.	N	-	-	-	-	-
	Order Rajiformes						
	Family Rhinobatidae						
005	*Rhynchobatus djiddensis* (Forsskål, 1775)						
	Pla ro nun jued khao.	N	-	-	-	-	-
	Family Dasyatidae						
006	*Dasyatis bleekeri* (Blyth, 1860)						
	Pla ka ben khao.	N	-	-	-	-	-
007	*Dasyatis imbricatus* (Bloch & Schneider, 1801)						
	Pla ka bang.	A	A	A	C	-	-
008	*Taeniura lymma* (Forsskål, 1775)						
	Pla ka beng thong.	N	-	-	-	-	-
	Family Torpedinidae						
009	*Narke hardwickii* Gray, 1880 - 1835						
	Pla ka ben fri far.	N	-	-	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
	Class Osteichthyes						
	Order Osteoglossiformes						
	Family Notopteridae						
010	*Notopterus notopterus* (Pallas, 1769) Pla sa lat.	–	–	–	C	C	A
	Order Clupeiformes						
	Suborder Clupeoidei						
	Family Clupeidae						
011	*Anodontostoma chacunda* (Hamilton, 1822) Pla kok.	N	N	N	N	–	–
012	*Dussumieria acuta* Valenciennes, 1847 Pla ok lae.	C	C	–	–	–	–
013	*Escualosa thoracata* (Valenciennes, 1847) Pla ka tak khao.	A	A	A	–	–	–
014	*Herklotsichthys dispilonotus* (Bleeker, 1852) Pla lang khel.	C	C	C	C	–	–
015	*Hilsa (Tenualosa) toli* (Valenciennes, 1847) Pla ta lum puk.	N	N	C	C	N	–
016	*Nematalosa nasus* (Bloch, 1795) Pla kok ka dong.	N	C	C	C	–	–
017	*Pellona ditchela* Valenciennes, 1847 Pla bi pai.	C	C	C	–	–	–
018	*Sardinella fimbriata* (Valenciennes, 1847) Pla lang khel.	A	A	A	–	–	–
	Family Engraulidae						
019	*Coilia dussumieri* Valenciennes, 1848 Pla hang kai.	–	C	C	–	–	–

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NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
020	*Corica soborna* Hamilton & Buchanan, 1822 Pla ka tak, Pla ma li.	–	–	–	C	A	–
021	*Setipinna melanochir* (Bleeker, 1849) Pla meo hu dam.	N	N	C	C	C	–
022	*Stolephorus commersonii* Lacepède, 1803 Pla sai ton.	C	C	C	C	–	–
023	*Stolephorus indicus* (van Hasselt, 1823) Pla sai ton.	C	C	C	N	–	–
024	*Stolephorus tri* (Bleeker, 1852) Pla sai ton.	C	A	A	C	–	–
025	*Thryssa dussumieri* (Valenciennes, 1847) Pla meo.	N	N	N	–	–	–
026	*Thryssa hamiltonii* (Gray, 1835) Pla po pae.	C	C	C	N	–	–
027	*Thryssa kammalensis* (Bleeker, 1849) Pla meo hua lam.	N	N	N	–	–	–
028	*Thryssa mystax* (Bloch & Schneider, 1801) Pla meo.	N	C	C	C	–	–
029	*Thryssa setirostris* (Broussonet, 1782) Pla nga.	–	R	–	–	–	–
	Family Chirocentridae						
030	*Chirocentrus dorab* (Forsskál, 1775) Pla dab lao.	A	C	N	–	–	–
031	*Chirocentrus nudus* Swainson, 1839 Pla dab lao.	R	–	–	–	–	–
	Order Elopiformes						
	Suborder Elopoidei						
	Family Elopidae						

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NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
032	*Elops hawaiensis* Regan, 1909						
	Pla ta luerk yal.	N	N	N	–	–	–
	Family Megalopidae						
033	*Megalops cyprinoides* (Broussonet, 1782)						
	Pla ta luerk san.	N	N	–	–	–	–
	Suborder Albuloidei						
	Family Albulidae						
034	*Albula vulpes* (Linnaeus, 1758)						
	Pla ka bok yon.	R	–	–	–	–	–
	Order Anguilliformes						
	Suborder Anguilloidei						
	Family Muraenidae						
035	*Gymnothorax boschi* Bleeker, 1853						
	Pla lei ta lae.	N	N	–	–	–	–
036	*Gymnothorax picta* (Ahl, 1789)						
	Pla lei ta lae.	N	–	–	–	–	–
037	*Muraenesox cinereus* (Forsskål, 1775)						
	Pla mang korn.	C	C	C	N	–	–
038	*Muraenesox bagio* (Hamilton, 1822)						
	Pla mang korn.	C	C	C	–	–	–
039	*Uropterygius macrocephalus* (Lacepede, 1803)						
	Pla lei ta lae.	N	C	C	C	–	–
040	*Uropterygius marmoratus* (Lacepede, 1803)						
	Pla lei ta lae.	–	N	N	–	–	–
	Family Ophichthidae						
041	*Ophichthys apicalis* (Bennett, 1830)						
	Pla lei ngu.	C	C	C	N	–	–

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042	*Ophichthys cephalozona* (Bleeker, 1864) Pla lei ngu.	-	C	C	-	-	-
043	*Ophichthys lumbricoides* (Bleeker, 1852) Pla lei ngu.	-	N	-	-	-	-
044	*Ophichthys macclellandi* (Bleeker, 1852) Pla lei ngu.	N	N	-	-	-	-
045	*Ophichthys rhytidodermatoides* (Bleeker, 1852) Pla lei ngu.	-	A	A	-	-	-
046	*Pisoodonophis cancrivorus* (Richardson, 1844) Pla lei ngu.	-	C	C	-	-	-
	Order Gonorynchiformes Suborder Chanoidei Family Chanidae						
047	*Chanos chanos* (Forsskål, 1775) Pla nuan chan ta lae.	N	-	-	-	-	-
	Order Cypriniformes Suborder Cyprinoidei Family Cyprinidae						
048	*Cyclocheilichthys apogon* (Cuveir & Valenciennes, 1842) Pla ta deng.	-	-	-	-	C	A
049	*Esomus metallicus* Ahl, 1924 Pla siew nude yal.	-	-	C	C	C	C
050	*Hampala macrolepidota* van Hasselt, 1823 Pla ka soob.	-	-	-	C	A	A
051	*Labeo rohita* (Hamilton, 1822) Pla yee sok thed.	-	-	-	-	-	C
052	*Labiobarbus lineatus* (Sauvage, 1878) Pla sa.	-	-	-	-	-	R

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NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
053	*Osteochilus hasseltii* (Cuvier & Valenciennes, 1842) Pla soi nok kao.	–	–	–	C	A	A
054	*Osteochilus melanopleura* (Bleeker, 1852) Pla prom hua men.	–	–	–	–	C	C
055	*Oxygaster oxygastroides* (Bleeker, 1852) Pla paep khao.	–	–	–	–	C	A
056	*Puntius gonionotus* (Bleeker, 1850) Pla ta pien khao.	–	–	–	–	C	C
057	*Puntius leiacanthus* (Bleeker, 1860) Pla ta pien sai.	–	–	–	A	A	A
058	*Puntius orphoides* (Cuvier & Valenciennes, 1842) Pla kam cham.	–	–	–	–	C	C
059	*Puntius partipentazona* (Fowler, Pla sua kang lai.	–	–	–	C	A	A
060	*Rasbora argyrotaenia* (Bleeker, 1850) Pla siew.	–	–	–	–	C	A
061	*Rasbora borapetensis* H.M. Smith, 1934 Pla siew hang deng.	–	–	–	–	C	A
062	*Rasbora trilineata* Steindachner, 1870 Pla siew hang ta kai.	–	–	–	–	C	A
	Family Cobitidae						
063	*Cobitophis anguillaris* (Vaillant, 1902) Pla kor.	–	R	–	–	–	–
064	*Lepidocephalus hasselti* Hora, 1924 Pla sai.	–	–	–	–	–	C
	Order Siluriformes						
	Family Ariidae						

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NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
065	*Arius caelatus* (Cuvier & Valenciennes, 1840) Pla kot deng.	–	–	N	A	A	N
066	*Arius maculatus* (Thunberg, 1792) Pla kot hua on.	–	–	N	A	A	N
067	*Arius sagor* (Hamilton, 1822) Pla kot key ling.	–	A	A	–	–	–
068	*Arius thalassinus* (Rupple, 1835 – 1840) Pla rew kew.	N	N	–	–	–	–
069	*Arius venosus* Cuvier & Valenciennes, 1840 Pla nok jok.	C	C	C	N	–	–
070	*Osteogeneiosus militaris* (Linnaeus, 1758) Pla kot hua on, pla kot.	–	–	–	A	A	–
	Family Plotosidae						
071	*Plotosus canius* Hamilton, 1822 Pla duk ta lae.	–	A	A	A	A	–
072	*Plotosus lineatus* (Thunberg, 1791) Pla sam khel.	N	–	–	–	–	–
	Family Siluridae						
073	*Ompox bimaculatus* (Bloch, 1797) Pla oan.	–	–	–	–	C	A
	Family Bagridae						
074	*Mystus cavasius* (Hamilton, 1822) Pla ka yeng bai khao.	–	–	–	–	C	C
075	*Mystus gulio* (Hamilton, 1822) Pla ka yeng nu.	–	–	C	C	A	A
076	*Mystus nemurus* (Cuvier & Valenciennes, 1839) Pla kot nam jued.	–	–	–	–	A	A

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077	*Mystus planiceps* (Cuvier & Valenciennes, 1839) Pla ka yeng.	–	–	–	–	N	N
	Family Clariidae						
078	*Clarias batrachus* (Linnaeus, 1758) Pla duk dan.	–	–	–	–	C	C
079	*Clarias macrocephalus* Gunther, 1864 Pla duk uey.	–	–	–	–	C	C
	Order Myctophiformes						
	Family Synodontidae						
080	*Saurida tumbil* (Bloch, 1795) Pla pak kom.	C	C	C	–	–	–
081	*Trachinocephalus myops* (Bloch & Schneider, 1801) Pla pak kom hu dam.	N	–	–	–	–	–
	Family Harpadontidae						
082	*Harpadon nehereus* (Hamilton, 1822) Pla nued youn.	N	N	–	–	–	–
	Order Gadiformes						
	Suborder Gadoidel						
	Family Bregmacerotidae						
083	*Bregmaceros macclellandi* Thompson, 1840 Pla ku rao keat, Pla sai pin.	–	C	C	–	–	–
	Order Batrachoidiformes						
	Family Batrachoididae						
084	*Halaphryne gangene* (Hamilton & Buchanan, 1822) Pla kob, Pla uk.	N	C	C	–	–	–
085	*Halophryne trispinosus* (Günther, 1861) Pla uk.	–	–	–	C	C	–
	Order Lophiiformes						
	Suborder Antennarioidei						

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NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
	Family Antennariidae						
086	*Histrio histrio* (Linnaeus, 1758) Pla kob.	R	–	–	–	–	–
	Order Atheriniformes						
	Suborder Exocoetoidei						
	Family Exocoetidae						
087	*Cypselurus oligolepis* (Bleeker, 1866) Pla nok jok.	C	N	–	–	–	–
088	*Hemiramphus far* (Forsskål, 1775) Pla tab tal.	N	–	–	–	–	–
089	*Hemiramphus gaimardi* Cuvier & Valenciennes, 1846 Pla ka tung heo pak deng.	–	–	C	C	C	C
090	*Hemiramphus marginatus* (Forsskål, 1775) Pla tak.	N	N	–	–	–	–
091	*Hemiramphus unifasciatus* Ranzani, 1842 Pla tak.	–	–	–	A	A	A
092	*Rhynchorhamphus georgii* Valenciennes, 1846 Pla ka tung heo.	N	N	–	–	–	–
093	*Zenarchopterus ectuntio* (Hamilton, 1822) Pla ka tung heo.	–	N	N	C	C	C
094	*Zenarchopterus rasori* (Popta, 1912) Pla tak.	C	C	C	–	–	–
	Family Belonidae						
095	*Ablennes hians* (Valenciennes, 1846) Pla ka tung heo me mai.	C	–	–	–	–	–
096	*Strongylura leiura* (Bleeker, 1850) Pla ka tung heo ta lae.	–	–	C	C	C	–

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097	*Strongylura strongylura* (van Hasselt, 1823) Pla ka tung heo kwai.	–	–	C	C	C	–
098	*Tylosurus annulatus* (Cuvier & Valenciennes, 1846) Pla ka tung heo ta lae.	–	N	N	–	–	–
099	*Tylosurus crocodilus* (Peron et LeSueur, 1821) Pla ka tung heo ta lae.	C	–	–	–	–	–
100	*Xenantodon cancila* (Hamilton, 1822) Pla ka tung heo meuang	–	–	–	–	C	C
101	*Xenantodon canciloides* (Bleeker, 1853) Pla ka tung heo meuang.	–	–	–	–	C	C
	Suborder Atherinoidei						
	Family Atherinidae						
102	*Atherina forskali* (Rüpple, 1853) Pla kang nuang.	C	N	–	–	–	–
103	*Atherina valenciennesi* Bleeker, 1853 Pla hua keng.	A	A	A	C	–	–
	Suborder Cyprinodontoidei						
	Family Cyprinodontidae						
104	*Panchax panchax* (Hamilton, 1822) Pla hua ta kua.	–	C	C	C	A	A
	Order Beryciformes						
	Suborder Berycoidei						
	Family Holocentridae						
105	*Myripristis hexagonus* (Lecepede, 1802) Pla kao mao kam dam.	C	N	–	–	–	–

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NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
106	*Sargocentron rubrum* (Forsskål, 1775)						
	Pla kao mao nam luek.	C	N	–	–	–	–
	Order Syngnathiformes						
	Suborder Syngnathoidei						
	Family Syngnathidae						
107	*Kaupia boaja* (Bleeker, 1851)						
	Pla jim fun jo ra ke.	–	–	–	C	A	A
108	*Syngnathoides biaculeatus* (Bloch, 1875)						
	Pla jim fun jo ra ke.	R	–	–	–	–	–
109	*Syngnathus cyanospilus* (Bleeker, 1854)						
	Pla jim fun.	N	–	–	–	–	–
	Order Synbranchiformes						
	Suborser Synbranchoidei						
	Family Synbranchidae						
110	*Fluta alba* (Zuiew, 1793)						
	Pla lai.	–	–	–	–	C	A
111	*Macrotrema caligans* (Cantor, 1849)						
	Pla lai.	–	–	N	N	N	–
	Order Scorpaeniformes						
	Suborder Scorpaenoidei						
	Family Scorpaenidae						
112	*Vespicula trachinoides* (Cuvier & Valenciennes, 1829)						
	Pla ka rang hua khone.	–	N	N	–	–	–
	Family Synanceiidae						
113	*Minous monodactylus* (Bloch & Schneider, 1801)						
	Pla ka rang hua khone.	N	N	–	–	–	–
	Suborder Platycephaloidei						
	Family Platycephalidae						
114	*Platycephalus indicus* (Linnaeus, 1758)						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
	Pla hang kwai.	A	A	A	C	–	–
	Order Perciformes						
	Suborder Percoidei						
	Family Centropomidae						
115	*Ambassis commersonii* Cuvier & Valenciennes, 1828						
	Pla kae chin.	C	C	C	–	–	–
116	*Ambassis gymnocephalus* (Lacepede, 1802)						
	Pla kae chin.	A	A	A	A	–	–
117	*Ambassis kopsii* Bleeker, 1858						
	Pla kae chin.	A	A	A	A	–	–
118	*Lates calcarifer* (Bloch, 1790)						
	Pla ka pong khao.	A	A	C	C	–	–
	Family Serranidae						
119	*Cephalopolis boenack* (Bloch, 1790)						
	Pla ka rang hin.	C	–	–	–	–	–
120	*Cephalopolis pachycentron* (Valenciennes, 1828)						
	Pla ka rang ban.	A	–	–	–	–	–
121	*Epinephelus areolatus* (Forsskål, 1775)						
	Pla ka rang lai hang tad.	N	–	–	–	–	–
122	*Epinephelus Bleekeri* (Vaillant & Bocourt, 1877)						
	Pla ka rang jued lueng.	A	C	C	–	–	–
123	*Epinephelus sexfasciatus* (Valenciennes, 1828)						
	Pla ka rang lai sua.	N	N	–	–	–	–
124	*Epinephelus malabaricus* (Bloch & Schneider, 1801)						
	Pla ka rang pak mae nam.	A	A	A	C	–	–
125	*Epinephelus megachir* (Richardson, 1846)						
	Pla ka rang sua kep yal.	N	N	–	–	–	–
126	*Epinephelus moara* (Temminck et Schlegel, 1843)						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
	Pla ka rang lai tuk kae.	N	-	-	-	-	-
	Family Grammistidae						
127	*Diploprion bifasciatum* Cuvier, 1828						
	Pla ka pong lueng lek.	N	-	-	-	-	-
	Family Teraponidae						
128	*Pelates quadrilineatus* (Bloch, 1797)						
	Pla kang lai.	C	C	C	C	-	-
129	*Terapon jarbua* (Forsskål, 1775)						
	Pla kang ta pao.	A	A	A	C	-	-
130	*Terapon puta* Cuvier & Valenciennes, 1829						
	Pla kang lai lek.	C	C	C	C	-	-
131	*Terapon theraps* Cuvier, 1829						
	Pla kang lai khet yai.	C	C	C	C	-	-
	Family Priacanthidae						
132	*Priacanthus tayenus* Richardson, 1846						
	Pla ta to.	N	-	-	-	-	-
	Family Apogonidae						
133	*Apogon hyalosoma* Bleeker, 1853						
	Pla um kai.	N	N	-	-	-	-
134	*Apogon multitaeniatus* (Ehrb.) Cuvier & Valenciennes, 1828						
	Pla um kai.	N	N	-	-	-	-
135	*Apogon quadrifasciatus* Cuvier, 1828						
	Pla um kai se tab.	A	A	C	-	-	-
136	*Archamia liniolata* (Cuvier, 1828)						
	Pla um kai.	N	N	-	-	-	-
	Family Sillaginidae						
137	*Sillago sihama* (Forsskål, 1775)						
	Pla bu ruit.	A	A	N	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
	Family Lactariidae						
138	*Lactarius lactarius* (Bloch & Schneider, 1802)						
	Pla bai ka nuan.	N	N	-	-	-	-
	Family Rachycentridae						
139	*Rachycentron canadum* (Linnaeus, 1766)						
	Pla chon ta lae.	C	N	-	-	-	-
	Family Echeneidae						
140	*Echeneis naucrates* Linnaeus, 1758						
	Pla tid.	C	C	-	-	-	-
	Family Carangidae						
141	*Alepes djedaba* (Forsskål, 1775)						
	Pla se kung.	C	C	C	-	-	-
142	*Alepes melanoptera* Swainson, 1839						
	Pla se kung tong	C	C	-	-	-	-
143	*Alepes para* (Cuvier, 1833)						
	Pla ta to.	C	A	C	-	-	-
144	*Alectis ciliaris* (Bloch, 1788)						
	Pla pom nang lai.	N	N	-	-	-	-
145	*Alectis indica* (Rupple, 1830)						
	Pla pom nang.	C	C	-	-	-	-
146	*Atropus atropus* (Bloch & Schneider, 1801)						
	Pla jui jin.	N	N	-	-	-	-
147	*Atule mate* (Cuvier, 1833)						
	Pla se kung kob.	C	C	-	-	-	-
148	*Carangichthys oblongus* (Cuvier, 1833)						
	Pla se kung.	N	N	-	-	-	-
149	*Carangoides chrysophrys* (Cuvier, 1833)						
	Pla se kung.	C	C	C	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
150	*Carangoides ciliarius* (Rupple, 1830) Pla se kung.	N	N	-	-	-	-
151	*Carangoides praeustus* Bennett, 1830 Pla hang kew mor.	N	N	-	-	-	-
152	*Caranx macrurus* Bleeker, 1851 Pla se kung.	N	N	-	-	-	-
153	*Caranx sexfasciatus* Quoy et Gaimard, 1824 Pla se kung tong.	C	C	C	-	-	-
154	*Elagatis bipinnulata* (Quoy et Gaimard, 1824) Pla lueng phong.	R	-	-	-	-	-
155	*Megalaspis cordyla* (linnaeus, 1758) Pla hang kang.	A	C	C	-	-	-
156	*Scomberoides commersonianus* Lacepede, 1801 Pla sa la.	C	C	C	-	-	-
157	*Scommeroides tol* (Cuvier, 1832) Pla sa la.	A	A	C	-	-	-
158	*Selar boops* (Valenciennes, 1833) Pla se kung tong.	A	A	C	-	-	-
159	*Selaroides leptolepis* (Cuvier, 1833) Pla kang lueng.	A	A	A	-	-	-
160	*Trachinotus baillonii* (Lacepede, 1802) Pla neua on.	R	-	-	-	-	-
161	*Trachinotus blochii* (Lacepede, 1802) Pla neua on, Pla an sa.	N	N	-	-	-	-
162	*Zonichthys nigrofasciata* (Rupple, 1826 - 1831) Pla sam lee.	N	-	-	-	-	-
	Family Formiidae						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
163	*Apolectus niger* (Bloch, 1795) Pla ja ra met dam.	C	N	–	–	–	–
	Family Menidae						
164	*Mene maculata* (Bloch et Schneider, 1801) Pla pra jan.	N	N	N	–	–	–
	Family Leiognathidae						
165	*Gazza minuta* (Bloch, 1797) Pla pan ta lae.	N	N	–	–	–	–
166	*Leiognathus brevirostris* (Valenciennes, 1835) Pla pan lek.	A	A	A	A	C	N
167	*Leiognathus elongatus* (Gunther, 1874) Pla pan khel.	A	N	N	–	–	–
168	*Leiognathus equula* (Forsskål, 1775) Pla pan yai.	A	A	A	A	C	–
169	*Leiognathus smithursti* (Ramsay & Ogilby, 1886) Pla pan yai.	R	–	–	–	–	–
170	*Leiognathus species* Pla pan lek.	–	R	–	–	–	–
171	*Leiognathus splendens* (Cuvier, 1829) Pla pan yai.	C	C	C	–	–	–
172	*Secutor ruconius* (Hamilton, 1822) Pla pan beer.	C	C	C	C	–	–
	Family Lutjanidae						
173	*Caesio erythrogaster* Cuvier, 1830 Pla lueng pong mor.	A	–	–	–	–	–
174	*Lutjanus argentimaculatus* (Forsskål, 1775) Pla ka pong se leard.	C	C	–	–	–	–

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
175	*Lutjanus fulvifamma* (Forsskál, 1775) Pla ka pong kang pun.	N	N	-	-	-	-
176	*Lutjanus johnii* (Bloch, 1792) Pla ka pong tong.	A	C	C	-	-	-
177	*Lutjanus limniscatus* (Culvier & Valenciennes, 1828) Pla ka pong tab dam.	N	-	-	-	-	-
178	*Lutjanus lineolatus* (Rupple, 1828) Pla ka pong ta to.	R	-	-	-	-	-
179	*Lutjanus malabaricus* (Bloch & Schneider, 1801) Pla ka pong san hang pan.	C	N	-	-	-	-
180	*Lutjanus russelli* (Bleeker, 1849) Pla ka pong kang pan.	A	A	A	C	-	-
181	*Lutjanus spilurus* (Bennett, 1832) Pla ka pong tab nam ngan.	N	-	-	-	-	-
182	*Lutjanus vaigiensis* (Quoy & Gaimard, 1824) Pla ka pong nam tan deng.	N	-	-	-	-	-
183	*Lutjanus vitta* (Quoy & Gaimard, 1824) Pla ka pong kang lueng.	A	A	A	C	-	-
	Family Nemipteridae						
184	*Nemipterus hexodon* (Quoy & Gaimard, 1824) Pla sai deng.	C	C	C	-	-	-
185	*Nemipterus tambuloides* (Bleeker, 1853) Pla sai deng.	N	-	-	-	-	-
186	*Nemipterus tolu* (Valenciennes, 1830) Pla sai deng kep yal.	C	C	-	-	-	-
187	*Pentapus setosus* Cuvier & Valenciennes, 1830 Pla sai rung.	C	-	-	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
188	*Scolopsis dubiosus* Weber, 1913 Pla sai khao tab.	A	N	–	–	–	–
189	*Scolopsis vosmeri* (Bloch, 1792) Pla khang.	A	N	–	–	–	–
	Family Lobotidae						
190	*Datnioides quadrifasciatus* (Sevastianov, 1809) Pla ka pong hin.	–	–	–	C	C	–
191	*Lobotes surinamemsis* (Bloch, 1790) Pla ka pong dam.	N	N	N	N	–	–
	Family Gerreidae						
192	*Gerres abbreviatus* Bleeker, 1850 Pla dok mark kep san.	N	N	–	–	–	–
193	*Gerres filamemtosus* Cuvier, 1829 Pla dok mark kep yal.	A	A	A	A	–	–
194	*Gerres macrosoma* Bleeker, 1854 Pla dok mark.	C	C	–	–	–	–
195	*Gerres poeti* Cuvier & Valenciennes, 1830 Pla dok mark.	C	C	C	–	–	–
	Family Pomadasyidae						
196	*Pomadasys hasta* (Bloch, 1790) Pla hua keng.	A	A	A	A	–	–
197	Pomadasys maculatus (Bloch, 1797) Pla hua keng.	N	N	–	–	–	–
198	*Plectorhynchus niger* (Cuvier, 1830) Pla kang ta pao dam.	N	N	–	–	–	–
199	*Plectorhynchus pictus* (Thunberg, 1793) Pla kang ta pao.	C	C	C	–	–	–
	Family Lethrinidae						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
200	*Lethrinus haematopterus* Temminck & Schlegel, 1844 Pla mu see.	A	A	A	-	-	-
201	*Lethrinus miniatus* (Bloch & Schneider, 1801) Pla mu see pak yal.	R	-	-	-	-	-
	Family Sparidae						
202	*Sparus berda* Forsskål, 1775 Pla e kuit.	N	N	-	-	-	-
	Family Sciaenidae						
203	*Chrysochir aureus* (Richardson, 1846) Pla jued na mom.	N	N	-	-	-	-
204	*Dendrophysa russelli* Cuvier, 1830 Pla jued na san.	C	A	A	C	-	-
205	*Johnius carutta* Bloch, 1801 Pla jued na mom.	C	C	C	-	-	-
206	*Johnius dussumieri* (Valenciennes, 1833) Pla jued na mom.	C	C	C	-	-	-
207	*Johniops sina* (Cuvier & Valenciennes, 1830) Pla jued.	C	C	-	-	-	-
208	*Nibea soldado* (Lacepede, 1802) Pla jued mar.	A	A	A	C	-	-
209	*Otolithes ruber* (Schneider, 1801) Pla jued tien.	C	C	C	-	-	-
210	*Pennahia macrocephalus* (Tang, 1937) Pla jued.	C	C	-	-	-	-
211	*Pennahia macrophthalmus* (Bleeker, 1850) Pla jued kep tao.	C	C	C	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC	AREA I	II	III	IV	V	VI
212	*Protonibea diacanthus* (Lecepede, 1802)						
	Pla jued lai.	N	N	–	–	–	–
	Family Mullidae						
213	*Mulloidichthys flavolineatus* (Lacepede, 1801)						
	Pla peap.	R	–	–	–	–	–
214	*Upeneus sulphureus* Cuvier, 1829						
	Pla peap tab lueng.	C	C	C	–	–	–
215	*Upeneus tragula* Richardson, 1846						
	Pla peap lai.	C	C	C	–	–	–
	Family Monodactylidae						
216	*Monodactylus argenteus* (Linnaeus, 1758)						
	Pla shew.	C	C	C	N	–	–
	Family Pempheridae						
217	*Pempheris moluca* Culvier & Valencinnes, 1831						
	Pla ka dee ta lae.	C	–	–	–	–	–
	Family Kyphosidae						
218	*Kyphosus cinerascens* (Forsskál, 1775)						
	Pla sa lit ta lae.	N	–	–	–	–	–
219	*Kyphosus vaigiensis* (Quoy & Gaimard, 1824)						
	Pla sa lit ta lae.	N	–	–	–	–	–
	Family Ephippidae						
220	*Drepane punctata* (Linnaeus, 1758)						
	Pla bai po.	N	N	–	–	–	–
221	*Platax orbicularis* (Forsskál, 1775)						
	Pla hu chang.	N	–	–	–	–	–
222	*Platax teira* (Forsskál, 1775)						
	Pla hu chang kep yal.	C	C	–	–	–	–
	Family Scatophagidae						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
223	*Scatophagus argus* (Linnaeus, 1766) Pla ta khab.	C	A	A	A	C	N
224	*Scatophagus tetracanthus* (Lecepede, 1802) Pla ta khab hua deng.	N	–	–	–	–	–
	Family Chaetodontidae						
225	*Chelmon rostratus* (Linnaeus, 1758) Pla pe sua pak yal.	N	–	–	–	–	–
226	*Chaetodon octofasciatus* Bloch, 1787 Pla pe sua.	C	–	–	–	–	–
227	*Pomacanthus annularis* (Bloch, 1789) Pla sin sa mut.	N	–	–	–	–	–
	Family Nandidae						
228	*Nandus nebulosus* (Gray, 1830 - 1835) Pla dom she	–	–	–	–	–	C
229	*Pristolepis fasciatus* (Bleeker, 1851) Pla mor chang jeb.	–	–	–	–	C	A
	Family Cichlidae						
230	*Tilapia nilotica* (Linnaeus, 1852) Pla nin.	–	–	–	–	–	C
	Faily Pomacentridae						
231	*Abudefduf bankieri* (Richardson, 1846) Pla sa lit hin.	N	–	–	–	–	–
232	*Abudefduf bengalensis* (Bloch, 1787) Pla sa lit hin ban.	A	N	–	–	–	–
233	*Abudefduf vaigiensis* (Quoy & Gaimard, 1824) Pla sa lit hin ban.	C	N	–	–	–	–

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
234	*Pomacentrus tripunctatus* Cuvier & Valenciennes, 1930						
	Pla sa lit hin.	C	–	–	–	–	–
	Family Cepolidae						
235	*Acanthocepola abbreviata* (Cuvier & Valenciennes, 1835)						
	Pla ka bee.	N	–	–	–	–	–
	Suborder Mugiloidei						
	Family Mugilidae						
236	*Liza oligolepis* (Bleeker, 1859)						
	Pla ka bok lek.	N	N	N	–	–	–
237	*Liza tade* (Forsskål, 1775)						
	Pla ka bok hua ban.	C	C	C	–	–	–
238	*Liza vaigiensis* (Quoy & Gaimard, 1824)						
	Pla ka bok ton tai.	N	N	–	–	–	–
239	*Mugil caeruleomaculatus* Lacepede, 1803						
	Pla mok.	N	N	–	–	–	–
240	*Mugil cephalus* Linnaeus, 1758						
	Pla ya.	N	N	–	–	–	–
241	*Mugil dussumieri* Valenciennes, 1836						
	Pla ka bok dam.	A	A	A	A	–	–
242	*Mugil longimanus* Gunther, 1861						
	Pla ka bok khao.	A	A	A	C	–	–
243	*Valamugil seheli* (Forsskål, 1775)						
	Pla mok.	C	C	C	–	–	–
	Suborder Sphyraenoidei						
	Family Sphyraenidae						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME	AREA					
	SCIENTIFIC AND THAI	I	II	III	IV	V	VI
244	*Sphyraena jello* Cuvier, 1829						
	Pla sak, Pla nam dok mai.	C	C	C	-	-	-
	Suborder Polynemoidei						
	Family Polynemidae						
245	*Eleutheronema tetradactylum* (Shaw, 1804)						
	Pla ku rao nued se sen.	C	A	A	N	-	-
246	*Polydactylus plebeius* (Broussonet, 1782)						
	Pla ku rao.	R	-	-	-	-	-
247	*Polydactylus sexfilis* (Valenciennes, 1831)						
	Pla ku rao.	N	N	-	-	-	-
	Suborder Labroidei						
	Family Labridae						
248	*Halichoeres hyrtli* (Bleeker, 1862)						
	Pla nok kung tong lai ban.	C	-	-	-	-	-
249	*Halichoeres nigrescens* (Bloch & Schneider, 1801)						
	Pla nok kung tong khel.	A	-	-	-	-	-
	Family Scaridae						
250	*Scarus ghobban* Forsskål, 1775						
	Pla nok khal.	C	-	-	-	-	-
	Suborder Gobioidei						
	Family Gobiidae						
251	*Acentrogobius caninus* (Cuvier & Valenciennes, 1837)						
	Pla bu hua to.	A	A	A	A	-	-
252	*Acentrogobius chlorostigmatoides* (Bleeker, 1849)						
	Pla bu hua to.	C	A	A	C	-	-
253	*Acentrogobius cyanomos* (Bleeker, 1849)						
	Pla bu hua to.	-	C	C	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
254	*Acentrogobius decoratus* (Herre, 1927) Pla bu.	C	C	–	–	–	–
255	*Acentrogobius gobiceps* (Hora, 1923) Pla bu.	–	C	C	–	–	–
256	*Acentrogobius viridipunctatus* (Valenciennes, 1837) Pla bu hua to.	C	C	C	–	–	–
257	*Apocryptodon madurensis* (Bleeker, 1849) Pla khur.	–	C	C	–	–	–
258	*Brachygobius xanthomelas* (H.M. Smith, 1931) Pla bu sua,	–	–	C	–	–	–
259	*Ctenogobius criniger* (Cuvier & Valenciennes, 1837) Pla bu hua to.	A	A	A	C	–	–
260	*Ctenogobius vexillifer* (Fowler, 1937) Pla bu.	N	N	–	–	–	–
261	*Glossogobius biocellatus* (Valenciennes, 1837) Pla bu hin.	C	C	C	–	–	–
262	*Glossogobius giuris* (Hamilton, 1822) Pla bu tong.	C	A	A	A	–	–
263	*Gnatholepis calliurus* Jordan & Seale, 1905 Pla bu khao.	C	C	C	N	–	–
264	*Ophiocara porocephala* (Valenciennes, 1837) Pla bu hua man.	N	N	–	–	–	–
265	*Oxyeleotris mamoratus* (Bleeker, 1852) Pla bu sai.	–	–	–	–	N	C
266	*Oxyurichthys ophthalmonema* (Bleeker, 1856 – 1857). Pla bu, Pla khur.	C	A	A	C	–	–

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
267	*Parapocryptes serperaster* (Richardson, 1846) Pla keua.	C	A	C	C	–	–
268	*Pogonogobius planifrons* (Day, 1873) Pla bu.	–	C	C	–	–	–
269	*Prionobutis koilomatodon* (Bleeker, 1849) Pla bu fun lead.	N	C	C	C	–	–
270	*Pseudapocryptes lanceolatus* (Bloch, 1801) Pla thong thel.	C	A	A	A	–	–
271	*Stigmatogobius javanicus* (Bleeker, 1856) Pla bu.	C	N	–	–	–	–
	Family Trypauchenidae						
272	*Boleophthalmus boddarti* (Pallas, 1770) Pla tin.	–	C	C	–	–	–
273	*Taenioides cirratus* (Blyth, 1860) Pla kua.	–	N	N	–	–	–
274	*Taenioides nigrimaginatus* Hora, 1924 Pla kua.	–	A	A	C	–	–
275	*Trypauchen vagina* (Bloch, 1801) Pla plued.	A	A	A	A	–	–
276	*Trypauchenichthys typus* Bleeker, 1860 Pla plued.	–	N	N	N	–	–
	Suborder Acanthuroidei						
	Family Siganidae						
277	*Siganus guttatus* (Bloch, 1787) Pla sa lit hin jued se som.	N	N	–	–	–	–
278	*Siganus javus* (Linnaeus, 1766) Pla sa lit hin tab khao.	A	A	A	A	–	–

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
279	*Siganus oramin* (Bloch & Schneider, 1801) Pla sa lit hin jued khao.	A	A	A	A	-	-
280	*Siganus virgatus* (Valenciennes, 1835) Pla sa lit hin lai.	N	N	-	-	-	-
	Suborder Scombroidei						
	Family Trichiuridae						
281	*Trichiurus lepturus* Linnaeus, 1758 Pla dab nueng.	C	C	-	-	-	-
282	*Lepturacanthus savala* (Cuvier, 1829) Pla dab nueng.						
	Family Scombridae	N	N	-	-	-	-
283	*Rastrelliger brachysoma* (Bleeker, 1851) Pla too.	A	N	-	-	-	-
284	*Rastrelliger kanagurta* (Cuvier, 1816) Pla lang.	A	N	-	-	-	-
285	*Scomberomorus commerson* (Lacepede, 1800) Pla in see ban.	C	C	-	-	-	-
286	*Scomberomorus guttatus* (Bloch & Schneider, 1801) Pla in see jued.	C	C	-	-	-	-
	Suborder Stromateoidei						
	Family Stromateidae						
287	*Pampus argenteus* (Euphrason, 1788) Pla ja ra met khao.	N	N	-	-	-	-
288	*Pampus chinensis* (Euphrason, 1788) Pla ja ra met thao.	N	N	-	-	-	-
	Suborder Anabantoidei						
	Family Anabantidae						

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
289	*Anabas testudineus* (Bloch, 1792)						
	Pla mor thai.	-	-	-	-	A	A
	Family Belontiidae						
290	*Trichopsis vittatus* (Cuvier & Valenciennes, 1831)						
	Pla krim.	-	-	C	C	C	A
291	*Trichogaster pectoralis* (Regan, 1910)						
	Pla sa lit.	-	-	-	-	-	C
292	*Trichogaster trichopterus* (Pallas, 1770)						
	Pla ka di mor.						
	Suborder Channoidei						
	Family Channidae						
293	*Channa lucius* Fowler, 1831						
	Pla ka song.	-	-	-	-	C	A
294	*Channa micropeltes* Fowler, 1831						
	Pla cha do.	-	-	-	-	C	A
295	*Channa striata* Fowler, 1831						
	Pla chon.	-	-	-	C	A	A
	Suborder Mastacembeloidei						
	Family Mastacembelidae						
296	*Mastacembelus circumcinctus* Hora, 1924						
	Pla ka ting.	-	-	-	-	N	N
	Order Gobiesociformes						
	Suborder Callionymoidei						
	Family Callionymidae						
297	*Callionymus sagitta* Pallas, 1770						
	Pla man kron noi hua lam.	C	C	C	-	-	-
298	*Dactylopus dactylopus* (Valenciennes, 1837)						
	Pla man korn noi.	C	C	-	-	-	-

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NOT SO COMMON = N RARE = R

FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
299	*Repomucenus schaapi* Bleeker, 1852						
	Pla man korn noi.	C	C	C	–	–	–
300	*Synchiropus altivelis* (Temminck & Schlegel, 1845)						
	Pla man korn noi.	N	N	–	–	–	–
	Order Pleuronectiformes						
	Suborder Psettodoidei						
	Family Psettodidae						
301	*Psettodes erumei* (Bloch & Schneider, 1801)						
	Pla seek deo.	N	–	–	–	–	–
	Suborder Pleuronectoidei						
	Family Paralichthyidae						
302	*Pseudorhombus arsius* (Hamilton, 1822)						
	Pla lin kwai.	C	A	A	–	–	–
	Suborder Soleoidei						
	Family Soleidae						
303	*Synaptura commersoniana* (Lacepede, 1802)						
	Pla lin ma khob khao.	R	R	–	–	–	–
304	*Synaptura orientalis* (Bloch & Schneider, 1801)						
	Pla lin kwai kon dam, Pla pok.	A	A	A	A	C	–
	Family Cynoglossidae						
305	*Cynoglossus bilineatus* (Lacepede, 1802)						
	Pla yod muong.	–	C	C	–	–	–
306	*Cynoglossus cynoglossus* (Hamilton & Buchanan, 1822)						
	Pla lin ma.	–	A	A	A	–	–
307	*Cynoglossus lingua* Hamilton & Buchanan, 1822						
	Pla lin ma lai.	–	A	A	A	–	–
308	*Cynoglossus macrolepidotus* (Bleeker, 1851)						
	Pla lin ma.	–	C	C	–	–	–

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME	AREA					
	SCIENTIFIC AND THAI THAI	I	II	III	IV	V	VI
309	*Cynoglossus semifasciatus* Day, 1878-88						
	Pla lin ma lai.	-	N	N	-	-	-
310	*Paraplagusis bilineata* (Bloch, 1787)						
	Pla lin ma.	-	N	-	-	-	-
	Order Tetraodontiformes						
	Suborder Balistoidei						
	Family Triacanthidae						
311	*Triacanthus biaculeatus* (Bloch, 1786)						
	Pla wua ja mut san.	C	C	A	A	C	-
	Family Balistidae						
312	*Balistes rotundatus* Procè, 1822						
	Pla wua.	R	-	-	-	-	-
313	*Abalistes stellatus* (Anonymous, 1798)						
	Pla wua.	N	-	-	-	-	-
314	*Monacanthus chinensis* (Osbeck, 1757)						
	Pla wua hang pat.	C	C	C	-	-	-
315	*Monacanthus curtorhynchus* Bleeker, 1855						
	Pla wua.	C	C	C	-	-	-
316	*Monacanthus choirocephalus* Bleeker, 1852						
	Pla wua.	C	C	C	-	-	-
	Suborder Tetraodontoidei						
	Family Tetraodontidae						
317	*Arothron reticularis* (Bloch & Schneider, 1801)						
	Pla pak pao lai khao.	R	-	-	-	-	-
318	*Chelonodon patoca* (Hamilton, 1822)						
	Pla pak pao jued khao.	N	-	-	-	-	-
319	*Lagocephalus lunaris lunaris* (Bloch & Schneider, 1801)						
	Pla pak pao.	N	N	-	-	-	-

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FISHES OF SONGKHLA LAKE

NICA NO.	NAME SCIENTIFIC AND THAI	AREA I	II	III	IV	V	VI
320	*Lagocephalus lunaris spadiceus* (Richardson, 1845) Pla pak pao.	C	C	–	–	–	–
321	*Takifugu oblongus* (Bloch, 1786) Pla pak pao lai.	A	C	C	–	–	–
322	*Tetraodon fluviatilis* Hamilton, 1822 Pla pak pao lai sua.	C	C	C	–	–	–
323	*Tetraodon immaculatus* Bloch & Schneider, 1801 Pla pak pao dam.	C	C	C	–	–	–
324	*Tetraodon leiurus* Bleeker, 1852 Pla pak pao nam chet.	–	–	–	C	C	C
325	*Tetraodon palembangensis* Bleeker, 1852 Pla pak pao lai sua.	N	N	–	–	–	–
326	*Tetraodon stellatus* Bloch & Schneider, 1908 Pla pak pao kon dam.	N	–	–	–	–	–
	Family Diodontidae						
327	*Diodon holocanthus* Linnaeus, 1758 Pla pak pao nam tu rein.	R	–	–	–	–	–

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BIBLIOGRAPHY

Annandale, Nelson. 1916. Preliminary Report on the Fauna of the Tale Sap or Inland Sea of Singgora. Jour. Nat. Hist. Soc. Siam. Vol.2: 89-102.

Areerattana, Sopra, 1970. Morphological description of genus Labiobarbus van Hasselt. Fresh water division, Dept. of Fisheries, Thailand. Annual Report 1970: P.14-28.

Banasopit, Thien. 1968. Handbook of the Snapper (Lutjanidae) of Thai waters. Marine Fish. Lab., Thailand. Contribution No. 12.

"_____" 1969. Handbook of the Grouppers (Serranidae) of Thai waters. Marine Fish. Lab., Thailand. Contribution No. 14.

"_____" 1971. Introduction to the Butterfly fish. Thai Fish. Gazz. Vol. 24(2): 239-264.

Berg, L.S. 1940. Classification of Fishes both Recent and Fossil. A.J. Reprints Agency, New Delhi.

Bhukasawan, Teraphun. 1966. The Freshwater fish survey on Ubonratana reservoir area. Thai Fish. Gazz. Vol. 19(4): 553-570.

"_____" et al. 1976. Preimpoundment fisheries survey on the Pattani River. National Inland Fisheries Institute, Thailand. Annual Report: p.85-119.

Boonyarattaparin, Sitte. 1970. Fishes of the genus Trichopsis Kner found in Thailand. Freshwater Fish, Div., Thailand. Annual Report: p.98-120.

Brohmmanonda, Pairoj et al. 1966. Catches taken from set bag in the mouth area of Songkhla Lake. Annual Report Songkhla Fisheries Station, Thailand: p.189-204.

"_____" 1972. Cast net fishing in inner part of Songkhla Lake. Annual Report Songkhla Fish. Sta. (Contribution No. 4).

"_____" and et al. 1978-79. Survey on the fisheries resource in Songkhla Lake by set bag. Annual Rep. Songkhla Fish. Sta.: p.380-393.

Chaiyakam, Kanit and et al. 1982. Impact on fisheries resource by motored push net in outer part of Songkhla Lake. National Institute of Coastal Aquaculture, Thailand, Contribution No. 5.

Collette, Bruce B. 1965. Hemiramphidae (Pisces, Synentognathi) from tropical West Africa. Atlantidae Report No. 8. Danish Science Press, Ltd.

Cressey, Roger. 1981. Revision of Indo-West Pacific Lizardfishes of the genus Synodus (Pisces: Synodontidae). Smithsonian Contributions to Zoology, No. 342.

Davidson, Alan. 1975. Fish and Fish Dishes of Laos. Imprimerie Nationale Vientiane.

Day, Francis. 1878-1888. The Fishes of India; 2 Vols. William Dawson & Sons, Ltd.

Department of Fisheries, Thailand. 1964. Marine Fishes of Thailand.

"_____" 1968. Some fish species found in Mekong River. Inland Fisheries Div., Thailand. Tech. Rep. No. 2.

Donsawat, Mitee. 1968. A study on the groupers (Epinephelidae) in Thai waters. Thesis, faculty of Fisheries; Kasetsart University.

Faculty of Fisheries, Kasetsart University. 1980. Guide to species of Fishes.

Fishcher, W. & P.J.P. Whitehead (Eds.) 1974. F A O species identification sheets for fisheries purposes. Eastern Indian Ocean and Western Central Pacific. 4 Vols.

Fowler, H.W. 1935-36. Zoological Results of the de Schauensee third Siamese Expedition. Proceeding of the Academy of Natural Sciences of Philadelphia.

"_____" 1967. The fishes of Oceania. Johnson Reprint Corpo.

Grant, E.M. 1982. Guide to fishes. Dept. of Harbours and Marine Brisbane, Queenland.

Greenfield, David W. 1968. The zoogeography of Myripristis (Pisces: Holocentridae). Syst. Zool., 17:76-87.

Gushiken, Soko. 1983. Revision of the Carangid fishes of Japan Galaxea, 2: 135-264.

Hongskul, Veravat. 1966. Chub mackerel in the gulf of Thailand. Mar. Fish. Lab., Circular Paper No. 1.

Jhingran, V.G. 1983. Fish and Fisheries of India. Hindustan Publ. Corp.

Kanabodee, Thavat. 1969. Uncommon Fishes in Gulf of Thailand. Thai Fish. Gazz. Vol. 18(2): 229-238.

Katayama, Masao. 1973. Serranid Fishes of the Okinawa Islands. Bull. of the Fac. of Edu., Yamaguchi Univ. Vol. 23, Pt. 2: 197-208.

Katayama, M., Tokiharu Abe and Tri-Thuc Nguyen. 1977. Notes on some Japanese and Australian Fishes of the family Centropomidae. Bull. of Tokai Reg. Fish. Res. Lab. No. 90: p.45-57.

Kawatomo, Nobuyuki et al. 1972. Illustrations of some freshwater fishes of the Mekong Delta, Vientnam. Contribution No. 1: Fac. of Agri., Univ. of Cantho.

Kuhlmorgen-Hille, George. 1968. An Illustrated field key to the fish family Leiognathidae in the Gulf of Thailand. Marine Fish. Lab., Thailand. Contribution No. 12.

Kungvankij, Pinit. 1972. Biological study of Red Snapper *Lutjanus sanguineus* (Cuv. & Val.). Thai Fish. Gazz. Vol. 25(3): 349-372.

Kyushin, Kenichiro et al. 1977. Fishes of Indian Ocean. Japan Marine Fishery Resource Research Center.

"_____" 1982. Fishes of South Chaina Sea. Japan Marine Fishery Resourse Research Center.

Mahasawadi, Chaichan. 1976. A Systematic study of the Catfish family Ariidae in Thai waters. Thesis, Fac. of Fisheries, Kasetsart Univ.

Marine Biological Association of India. 1964. Proceedings of the Symposium on Scombroid fishes; part 1-2. Marine Bio. Ass. of India.

Masuda, Hajime, Chuichi Araga and Tetsuo Yoshino. 1975. Coastal Fishes of Southern Japan. Tokai University.

Masuda, Shigeo. 1942. Notes on the Japanese fishes of the genus Epinephelus. Annotationes Zoologicae Japonenses. Vol. 21 (2): 106-122.

Matsuura, Keiichi and Takeshi Shimizu. 1982. The Squirrelfish genus Adioryx, a Junior Synonym of Sargocentron. Japanese Journal of Ichthyology. Vol. 29(1): 93-94.

Mcinerny, Derek and Geoffrey Gerard. 1974. All about Tropical Fish. Macmillan Pub.

Mee, G.F. 1963. The Callionymidae of Western Australia (Pisces). Journal of the Royal Society of Western Australia. Vol. 46, Part 3.

Monkolprasit, Supap. 1969. Aquarium Fishes in Thailand. Kasetsart Journal. Vol. 8(2): 117-145.

"_____" 1973. The fishes of the Leiognathid genus Secutor, with the description of a new species from Thailand. Kasetsart Univ. Fish. Res. Bull. No. 6: 10-17.

"_____" 1977. A check list of Cartilagenous Fishes (Subclass Selachii) found in Thai-waters and adjacent areas. Notes from Fac. Fish., Kasetsart Univ., No. 8: 1-3.

"_____" et al. 1977. Handbook for the study of fishes taxonomy. Kasetsart Univ., Thailand

"_____" 1979. Fish Fauna at Siracha Bay: On the project of study on the effect of water pollution on aquatic animals and fisheries at Siracha Bay. Fac. Fish., Kasetsart Univ., Thailand.

"_____" and Suebsin Sontirat. 1980. Systematic studies of coral reef fishes from the Indian Ocean, Phuket (Thailand). Kasetsart Univ. Fish. Res. Bull. No. 11.

"_____" 1983. Systematic studies of coral-cods (Serranidae) from the Andaman Sea (Phuket, Thailand). Kasetsart Univ. Fish. Res. Bull. No. 14.

Morgans, J.F.C. 1965. East African Fishes of the *Epinephelus tauvina* complex, with a description of a new species. Ann. & Mag. Nat. Hist. Ser. 13. Vol. VIII: 257-273.

Munprasith, Ussanee. 1976. Deep sea animals in the Andaman Sea. Thai Fish. Gazz. Vol. 29(2): 191-210.

Munro, Ian S.R. 1955. The Marine and Freshwater Fishes of Ceylon. Dept. of External Affairs, Canberra.

Nakabo, Tetsuji. 1982. Revision of the Family Draconettidae. Japan. Jour. Icht.. Vol. 28(4): 355-367.

Nakabo, T. 1982. Revision of genera of the Dragonets (Pisces; Callionymidae). Pub. of the Seto Marine Biological Laboratory. Vol. XXVII, Nos. 1/3.

Nakabo, T., Eiichi, Yamamoto and Chung-Hui Chen. 1982. Two new Species of the genus Fortorepus (Callionymidae) from the Emperor Seamounts, North Central Pacific. Japan. Jour. Icht. Vol.29 (4) : 349-353.

Nakabo, T. 1983. Revision of the Dragonets (Pisces: Callionymidae) found in the waters of Japan. Pub. Seto Mar. Bio. Lab. Vol. XXVII, Nos. 4/6.

"_____" 1983. Comparative osteology and phylogenetic relationships of the Dragonets (Pisces: Callionymidae) with some thoughts of their evolutionary history. The Seto Mar. Bio. Lab. Vol. XXVIII, Nos. 1/4.

National Inland Fisheries Institute, 1980. Freshwater Fishes of Thailand. Tech. Pap. No.1.

Nelson, Joseph S. 1976. Fishes of the world. A Wiley-Interscience Publ.

Phettongkam, Manat and W. Thasananukulkit. 1972. On the biology of *Sciaena resselli* (Cuv. & Val.) in the inner Gulf of Thailand. Third Symp. of Mar. Fish.; Mar. Fish. Lab., Thailand.

Power, Allan. 1978. The Great Barrier Reef. Summit Books, Sydney.

Punka, Nittaya. 1968. A Review of the Drum Fishes (Sciaenidae) of Thailand. Thesis, Fac. Fish., Kasetsart Univ.

Punpoka, Supap. 1964. A Review of the Flatfishes (Pleuronectiformes - Heterosotomata) of the Gulf of Thailand and its tributaries in Thailand with Additions (1967). Kasetsart Univ. Fish. Bull. No.1 and No.3.

Pupipat, Thusanee. 1981. Life history of Pla-nil, *Tilapia nilotica* (Linn.) National Inland Fisheries Institute; Tec. Pap. No. 7.

Randall, John E. and Adam Ben-Tuvia. 1983. A review of the groupers (Pisces: Serranidae; Epinephelinae) of the Red Sea, with description of a new species of Cephalopholis. Bull. Mar. Scie. Vol. 32(2): 373-426.

Refen, Robert R. 1963. Handbook of the food fishes of the Gulf of Thailand. The George Vanderbilt Foundation and the University of California. S I O Ref. No. 63-18.

Rosenblatt, Richard H. and John E. McCosker. 1970. A key to the genera of the Ophichthid Eels, with description of two new genera and three new species from the Eastern Pacific. Pacific Science. Vol. 24: 494-504.

Roxas, Hilario A. 1934. A review of Philippine Mugilidae. The Philippine Journal of Science. Vol. 54(3): 392-429.

Sahavacharin, Songchai and Pairoj Brohmmanonda. 1968. Some Biological aspects of Mullet, *Mugil dussumieri* Cuv. & Val. Annual Report Songkhla Fisheries Station 1968: p. 120-130.

"_____" 1969. Preliminary study on the biology of Indian Halibat *Psettoides erumei* (Bloch). Ann. Rep. Songkhala Fish. Stat. 1969; p.142-151.

Sahavacharin, S. 1971-72. Preliminary study on the biology of *Sillago Sihama* (Forsskäl). Ann. Rep. Songkhla Fish. Stat. 1972: 203-210.

Sato, Torao. 1978. A Synopsis of the Sparoid fish genus Lethrinus with the description of a new species. Univ. Museum, Univ. of Tokyo. Bull. No. 15.

Scott, J. S. 1959. Introduction to sea fishes of Malaya. Ministry of Agriculture, Malaya.

Schultz, Leonard P. and Collaborations. 1953. Fishes of the Marshall and Marianas Islands. United Stated Government Printing Office. Vol. 1.

Shen, S. C. 1959. Anchovies found in Taiwan. Rep. of the Institute of Fishery Biology of Ministry of Economic Affairs and National Taiwan Univ. Vol. I(3): 24-40.

"_____" 1969. Additions to the study on the Flatfishes in the Adjacent waters of Hong Kong. Ibid. Vol. II(3): 19-27.

Shimizu, T. and Takeshi Yamakawa. 1979. Review of the Squirrelfishes (Sub family Holocentridae: Order Beryciformes) of Japan, with a description of a new species. Japan. Jour. Icht. Vol. 26(2): 109-147.

Shinohara, Shiro, 1960. A Review of the Lutjanus (Snappers) found in the waters of Ryukyu (I). Bull. of Arts & Sci. Div. Univ. Ryukyus. Math. & Nat. Sci. No.4.

"_____" 1962. A Review of the Lutjanidae found in the waters of Ryukyu (II). Ibid. No. 5.

"_____" 1966. Studies on the Lutjanid fishes of the Ryukyu Islands - Anatomy, Taxonomy and Distribution. Bull. Arts & Sci. Div., Univ. Ryukyus Math. & Nat. Sci. No. 9 : 179-301.

Sirimontaporn, Pairoj and et al. 1982. Studies on the gill net fisheries in Songkhla Lake with special relation to the water quality and environmental factors. Seminar report on Brackish water Div., Dept. Fish., Thailand.

Smith, H.M. 1945. The Freshwater Fishes of Siam or Thailand. Smith Sonian Institution, by T.F.H. Publ., Inc.

Smith, J.L.B. 1965. The sea fishes of Southern Africa. Central New Agency, Ltd., South Africa.

"_____" 1969. Icthyology Papers 1931-1942; Vol. I. The J.L.B. Smith Ins. Icth., Rhodes Univ. 1969.

"_____" 1969. Ichthyological Bulletins I-20 (1956-1961). Dept. of Ichthyology, Rhodes Univ.

"_____" and Margaret Mary Smith. 1969. The Fishes of Seyshelles. The J.L.B. Smith Inst. Icht., Rhodes Univ.

Sontirat, Suebsin and et al. 1971. Systematic Studies of Feather back fish in Thailand. Thai Fish. Gazz. Vol. 24(3): 383-391.

"_____" 1980. Relationship of Silurid fishes of Thailand. Thai Fish. Gazz. Vol. 33(3): 277-287.

Srirungroj, Malei. 1970. Fishes of the genus Cyclocheilichthys Bleeker found in Thailand. Ann. Rep. Inl. Fish. Div., Dept. Fish., Thailand.

Sukhawong, Somchart and et al. 1969. Some biological aspects of Anchovy *Setipinna melanochir* in Songkhla Lake. Songkhla Fish. Stat. Ann. Rep. Thailand.

"_____" 1974. Systematic study on fishes of the family Mugillidae in Songkhla Lake. Ann. Rep. Songkhla Fish. Stat.

"_____" 1977. Study on the distribution and abundance of Economical juvenile fish in the outer part of Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

Sookchareon, Prajuab and S. Wichiansanka. 1965-67. Check list of Fauna and Flora of Songkhla Lake and adjacent areas. Ann. Rep. Songkhla Fish. Stat., Thailand.

Sukjareon, P. and S. Wongsomnuk. 1966. Aquatic animals caught with three-men encircling net from Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

Sukhavisidh, Preyanart. 1978. On the Taxonomy of *Rastrelliger* spp. know from Thailand. Mar. Fish. Lab., Thailand.

"_____" 1978. Notes on *Decapterus* spp. know from Thaiwaters. Mar. Fish. Lab. Tech. Pap. No.3.

"_____" 1979. Some *Sardinella* spp. in Gulf of Thailand and Andaman Sea. Mar. Fish. Lab. Tech. Pap. No. 79/1.

"_____" 1979. Taxonomic Charactor of some Anchovys in Gulf of Thailand and Adjacent Sea. Mar. Fish. Lab. Tech. Pap. No. 1.

"_____" 1981. A new species and a review of the Silver Biddy genus Gerres (Family Gerridae). Mar. Fish. Lab. Tech. Pap. No.2.

"_____" and Phenkae Chinjetpong. 1982. Some Economic fishes of Thailand. Mar. Fish. Div. Tech. Pap. No.6, 1982.

Suvatti, C. 1950. Fauna of Thailand. Department of Fisheries.

Taki, Yasuhiko. 1974. Fishes of the Lao Mekong Basin. United States Agency for International Development. Mission to Laos Agriculture Division.

"_____" 1975. Systematics and distribution of Indochinese Thai Clupeid fishes in the subfamily Pellonulinae. Japan. Jour. Icht. Vol. 22(2): 77-82.

Ten, S.M. and K.S. Tan. 1974. Biology of the Tropical Grouper *Epinephelus tauvina* (Forsskal). I. A Preliminary study on Hermaphroditism in *E. tauvina*. Singapore Jour. Pri. Ind. Vol. 2(2): 123-133.

Thomson, J.M. 1953. The Mugilidae of Australia and Adjacent Seas. Australian Jour. Mar. Fresh. Res. Vol. 5(I): 70-129, 1953.

Vanitkrong, Pramote. 1970. Fishes collection in Songkhla Lake (inner part) Prog. Rep. Min. Agri: 1931-1957.

Veerasakul, Dhida. 1973. Study on the Catfish in Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

Weber, M. and de Beaufort. 1936-1962. Fishes of the Indo-Australian Achipelago; XI Vols. E.J. Brill, Deiden.

Wichiansanka, Suchart. 1965. Observation on the aquatic animals caught by Set Bag (Pong Phang) and Bamboo Screen Block Trap (Morha) in the outer part of Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

"_____" and et al. 1971-1972. Fishing with Encircling Net in inner part of Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

"_____" 1977. Fishing by Bamboo Fence Trap in outer part of Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

"_____" 1978. Survey on the Fisheries resources with Encircling Net in inner part of Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

Whitehead, P.J.P. 1967. The Clupeoid Fishes of Malaya. Journal of the Marine Biological Association of India. Vol. IX(2): 224-280.

"_____" 1972. A Synopsis of the Clupeoid Fishes of India. Jour. Mar. Bio. Ass. India. Vol. 14(I): 160-256.

Wongratana, Prachit. 1966. Spiny eel. Thai Fish. Gazz. Vol. 19(4): 549-552.

Wongratana, Tosaporn. 1978. *Sillago intermedius*, a new species of sand whiting from Gulf of Thailand. (Pisces; Sillaginidae). Mar. Fish. Div., Thailand Tech. Pap. No. 1.

Wongratana, T. 1968. A check list of fishes caught during the trawls surveys in the Gulf of Thailand and off the east coast of the Malay Penninsula. Mar. Fish. Lab., Mar. Fish. Div., Thailand. Contribution No. 13.

"_____" 1972. Contribution to the sea fishes from Thailand in the Biologische Austalt Helgoland, Zentrale, Hamburg, Germany. Third symposium on marine fisheries, Mar. Fish. Lab., Thailand

"_____" 1975. A new goby *Cryptocentrus crocatus*, with descriptions of other species of the genus from Thailand. Puket Marine Biological Center, Thailand. Bull. No. 6.

"_____" 1975. A record of Flatheadfish in Thaiwaters. Puket Mar. Bio. Cent. Bull. No. 7.

"_____" 1979. An occurrence of *Thyrsitoides merleyi* Fowler, in the Andaman sea (Pisces; Gempylidae). Mar. Fish. Lab. Thailand. Tech. Pap. No. 79/2.

"_____" 1980. A study of Andaman fishes taken from handlines. Mar. Fish. Lab., Thailand, Tech. Pap. No. 80/2.

"_____" 1980. Bait fishes obtained from night light and lift net experiments off the Andaman Coast of Thailand. Mar. Fish. Lab., Thailand Tech. Pap. No. 80/1.

"_____" 1983. Diagnoses of 24 new species and proposal of a new name for a species of Indo-Pacific Clupeoid fishes. Japan. Jour. Icht. Vol. 29(4): 385-407.

Wongsomnuk, Saward and et al. 1968. Fishes collected by gillnet in Songkhla Lake. Songkhla Fish. Stat, Thailand, Ann. Rep.

"_____" 1968. Preliminary study on the life history of *Mystus nemurus* Cuv. & Val. in Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

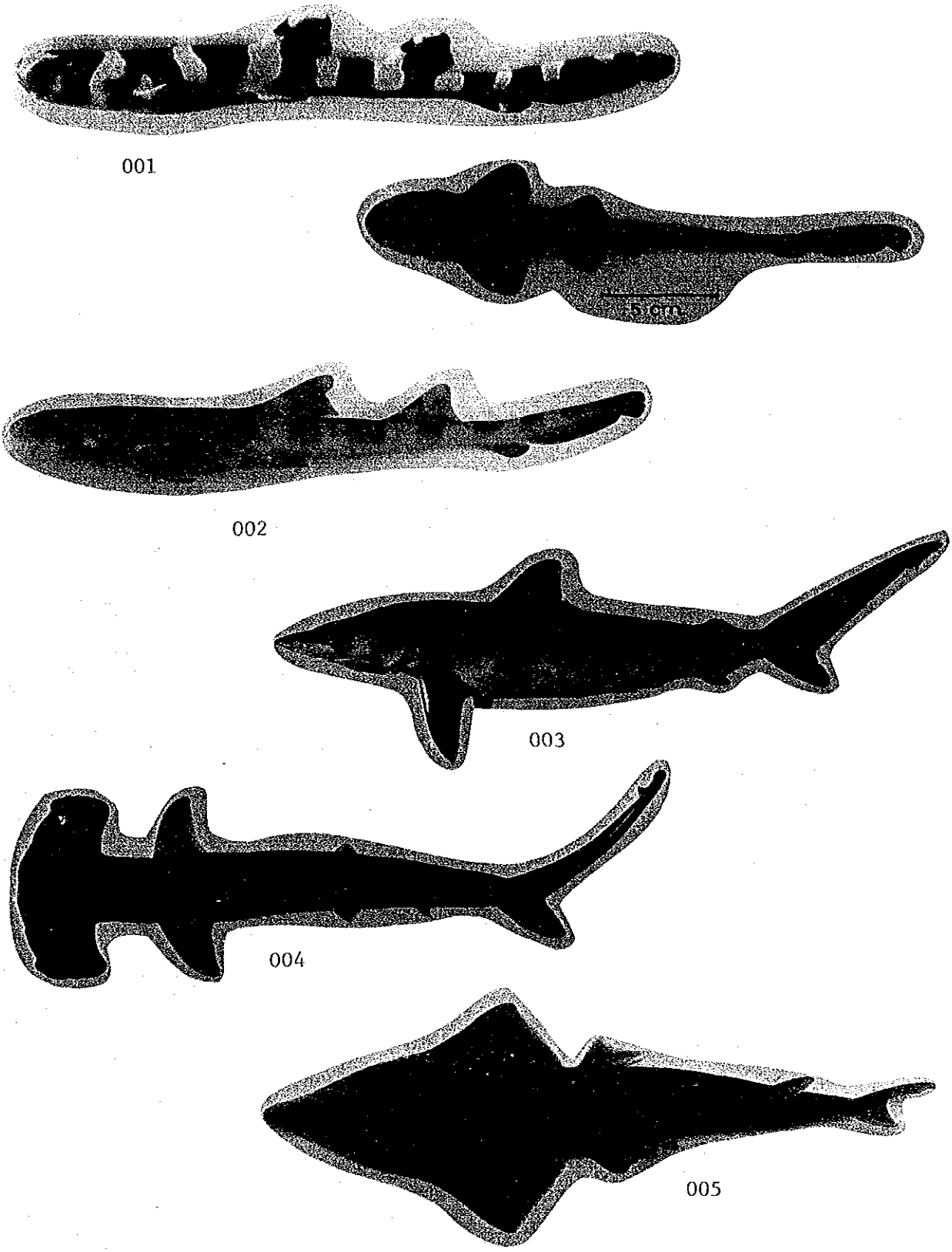
"_____" 1969. Some biological aspects of Pla ka pong, *Lates calcarifer* Bloch in Songkhla Lake. Ann Rep. Songkhla Fish. Stat., Thailand.

Wongsommuk, S and Sujin maneewong. 1973-74. Preliminary study on the biology of mud bream, *Sparus berda* Forsskål in Songkhla Lake. Ann. Rep. Songkhla Fish. Stat., Thailand.

Yesaki, Mitsuo. 1982. Illustrated key to small and/or immature species of Tuna and Bonitos of the Southeast Asian Region. F A O IPTP/82/WP/4 and SCS/82/WP/II3.

Yu, Ming-Jenn. 1968. The Labrid fishes of Taiwan. Ichthyological Series No. 4, Dept. Bio., Coll. Sci., Tunghai University.

F I S H E S



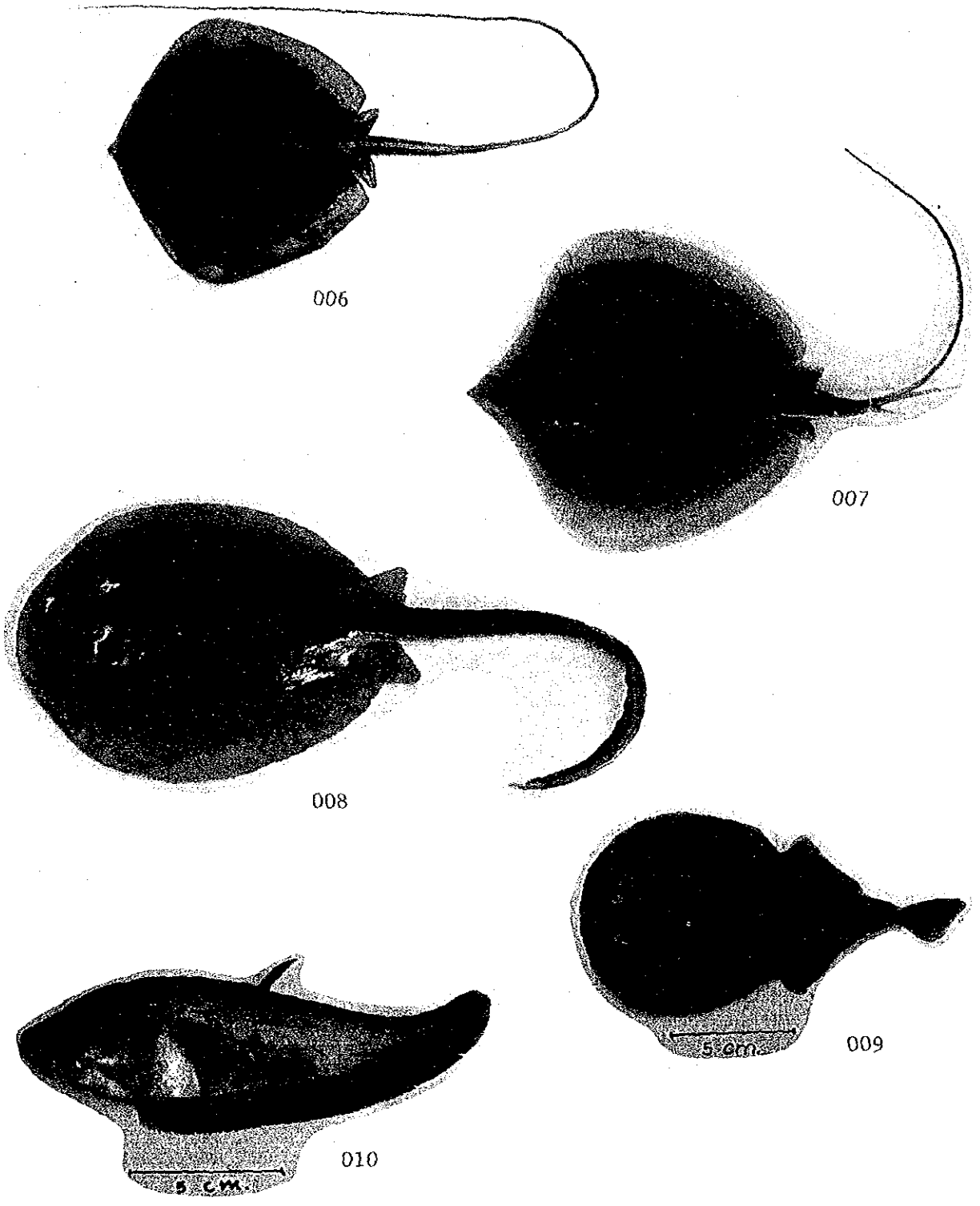
001 *Chiloscyllium griseum*

002 *Chiloscyllium punctatum*

003 *Carcharhinus sorrah*

004 *Sphyrna tudes*

005 *Rhynchobatus djiddensis*



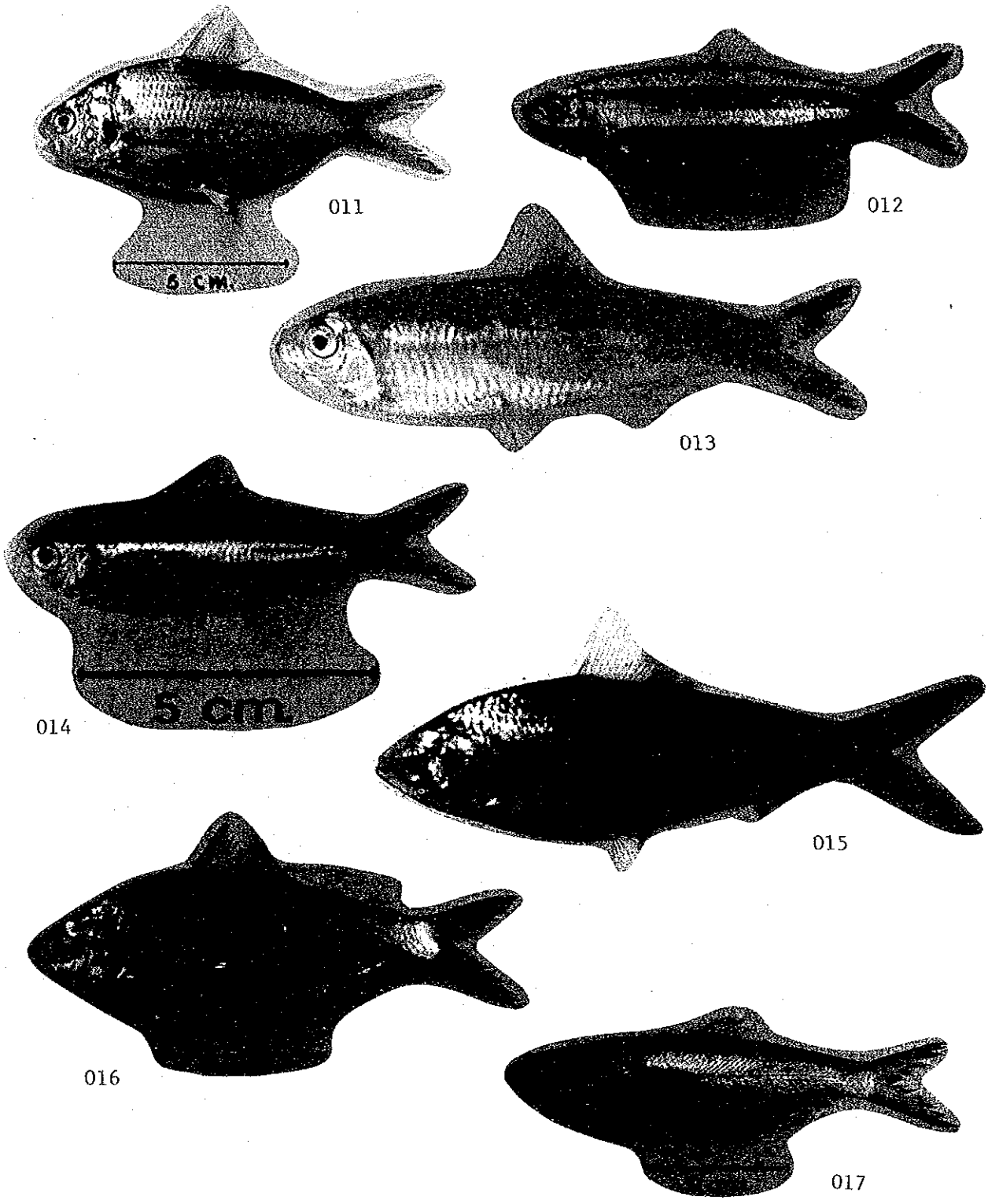
006 *Dasyatis bleekeri*

007 *Dasyatis imbricatus*

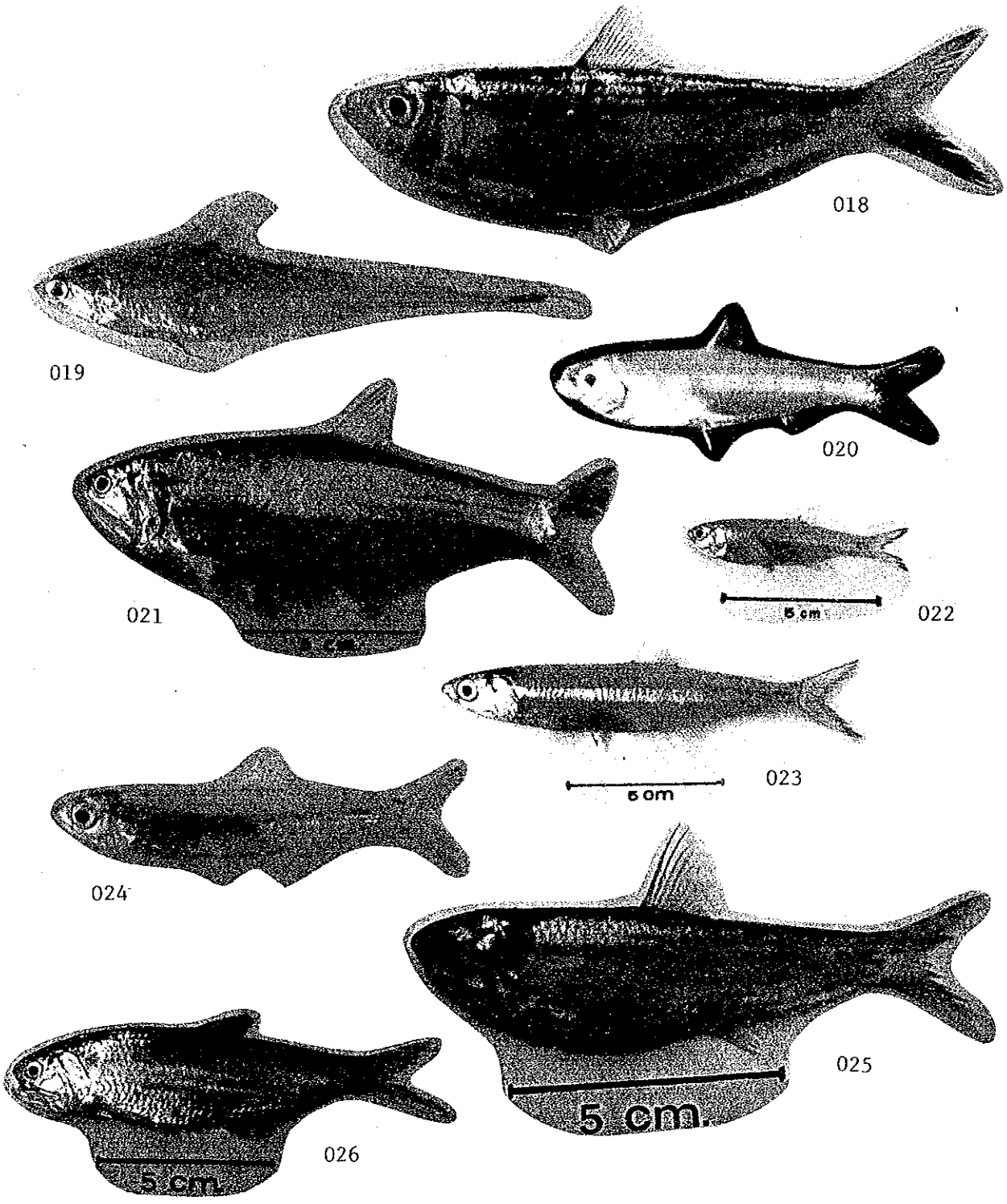
008 *Taeniura lymma*

009 *Narke hardwickii*

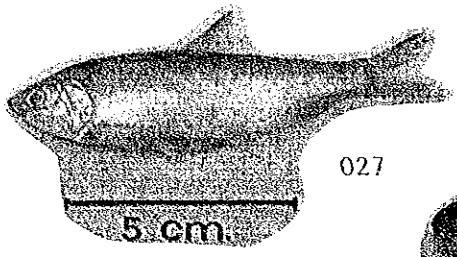
010 *Notopterus notopterus*



011	*Anodontostoma chacunda*	015	*Hilsa (Tenualosa) toli*
012	*Dussumieria acuta*	016	*Nematalosa nasus*
013	*Escualosa thoracata*	017	*Pellona ditchela*
014	*Herklotsichthys dispilonotus*		



		022	*Stolephorus commersonii*
018	*Sardinella fimbriata*	023	*Stolephorus indicus*
019	*Coilia dussumieri*	024	*Stolephorus tri*
020	*Corica soborna*	025	*Thryssa dussumieri*
021	*Setipinna melanochir*	026	*Thryssa hamiltonii*



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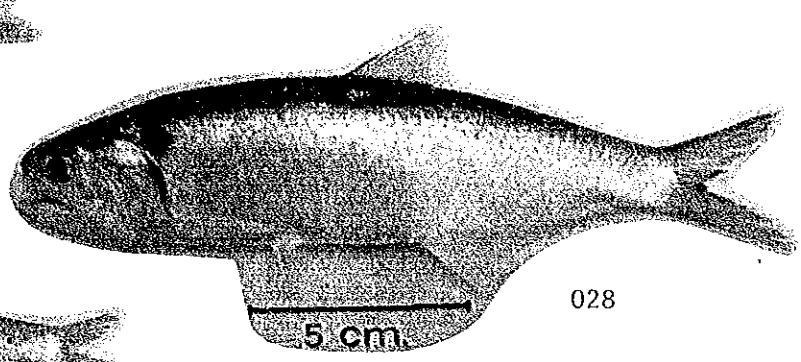

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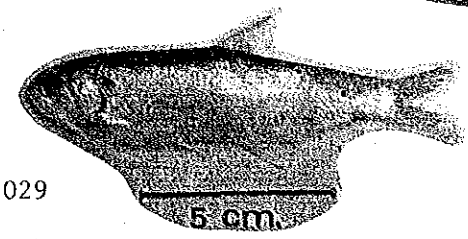

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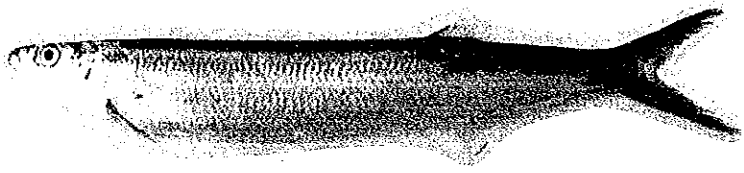

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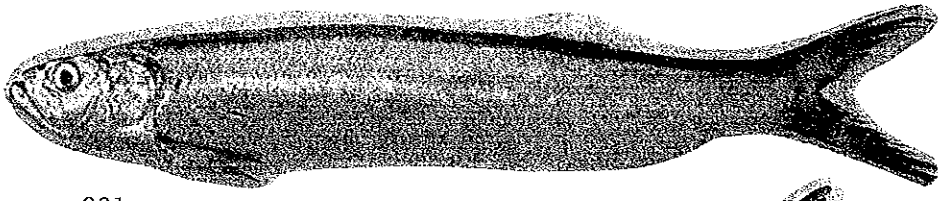

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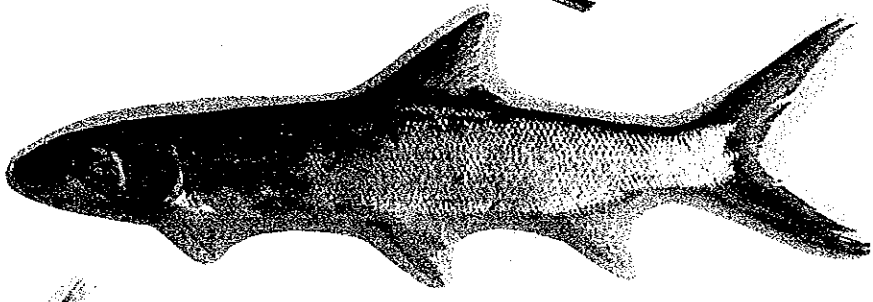

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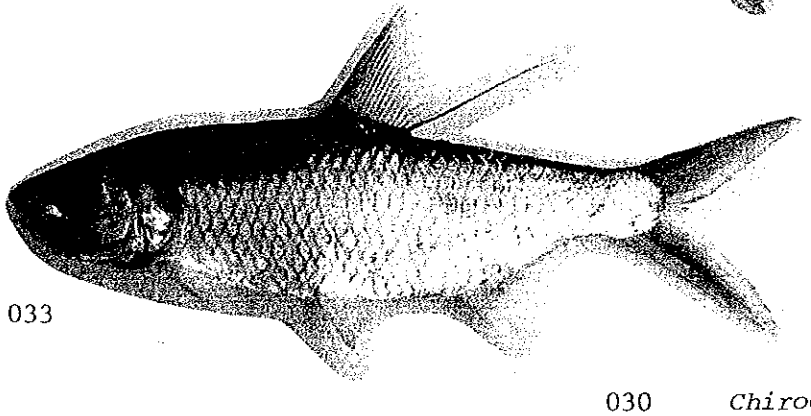

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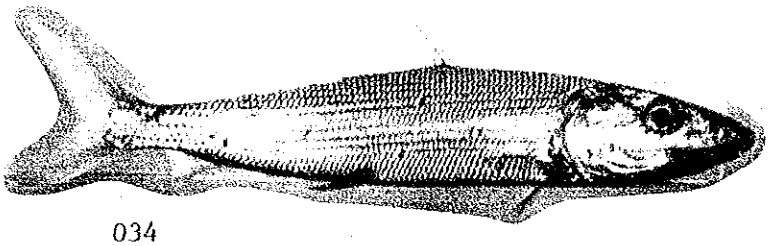
		030	*Chirocentrus dorab*
027	*Thryssa kammalensis*	031	*Chirocentrus nudus*
028	*Thryssa mystax*	032	*Elops hawaiensis*
029	*Thryssa setirostris*	033	*Megalops cyprinoides*



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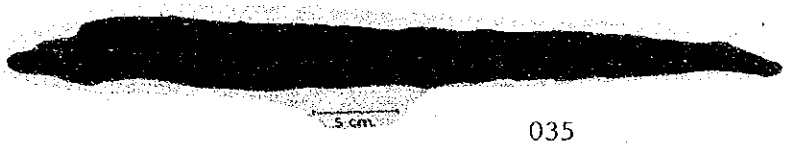

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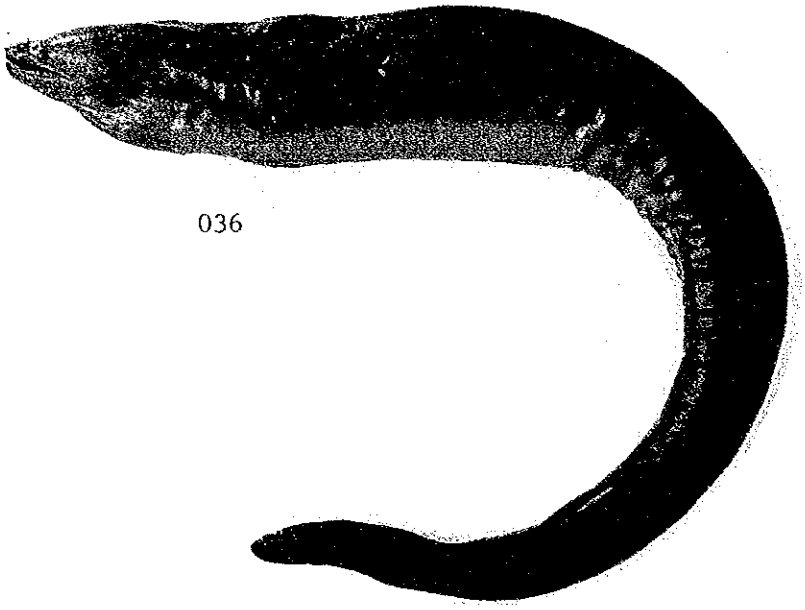

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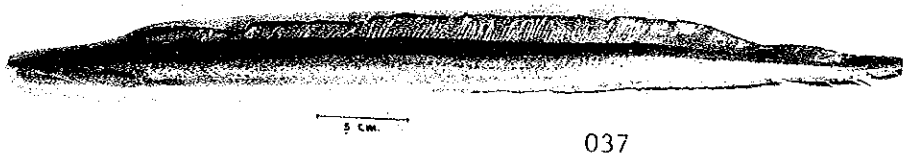

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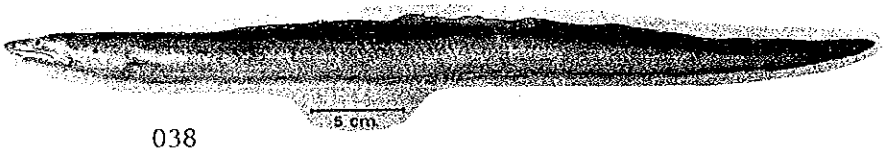
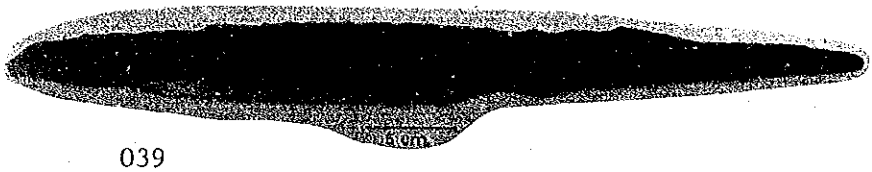


038

034	*Albula vulpes*	037	*Muraenesox cinereus*
035	*Gymnothorax boschi*	038	*Muraenesox bagio*
036	*Gymnothorax picta*		



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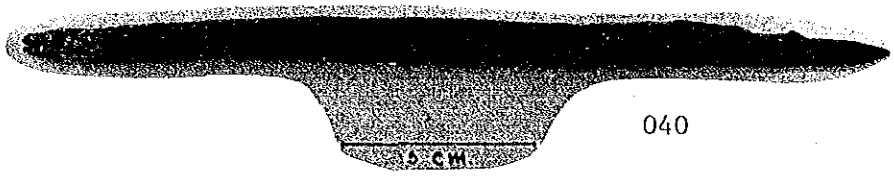

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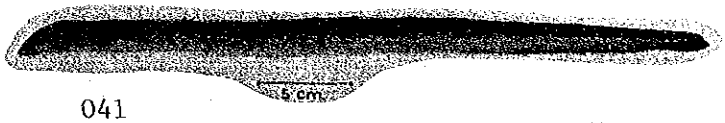

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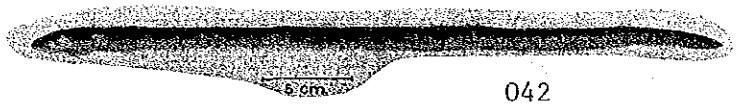

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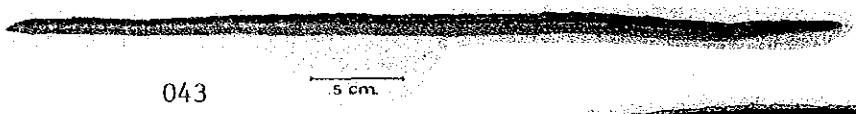

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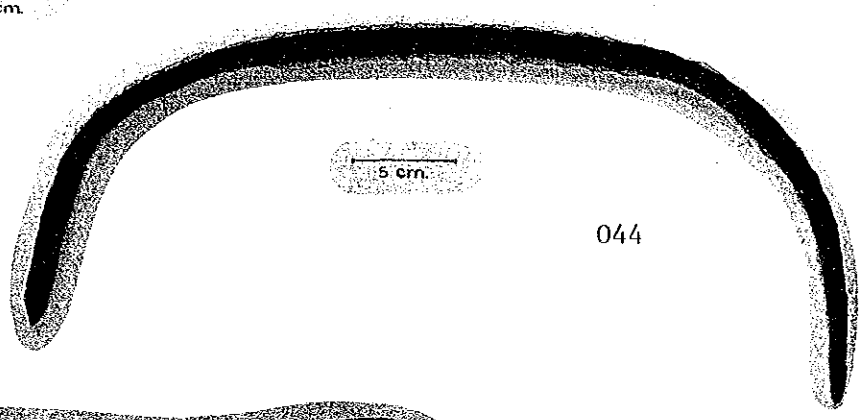

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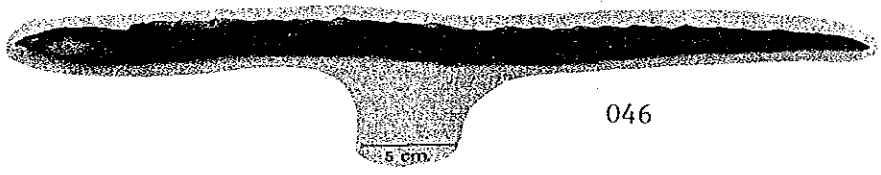
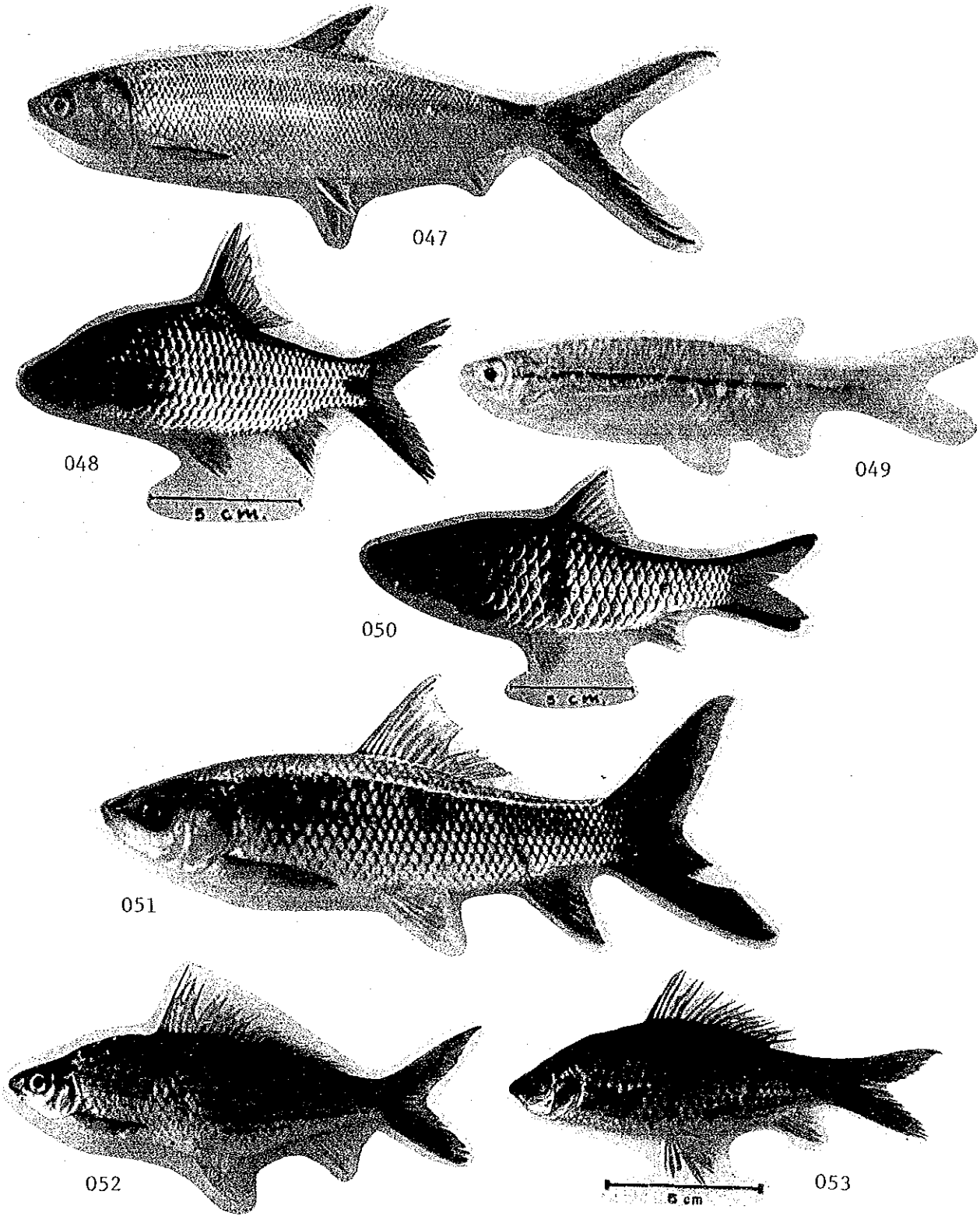
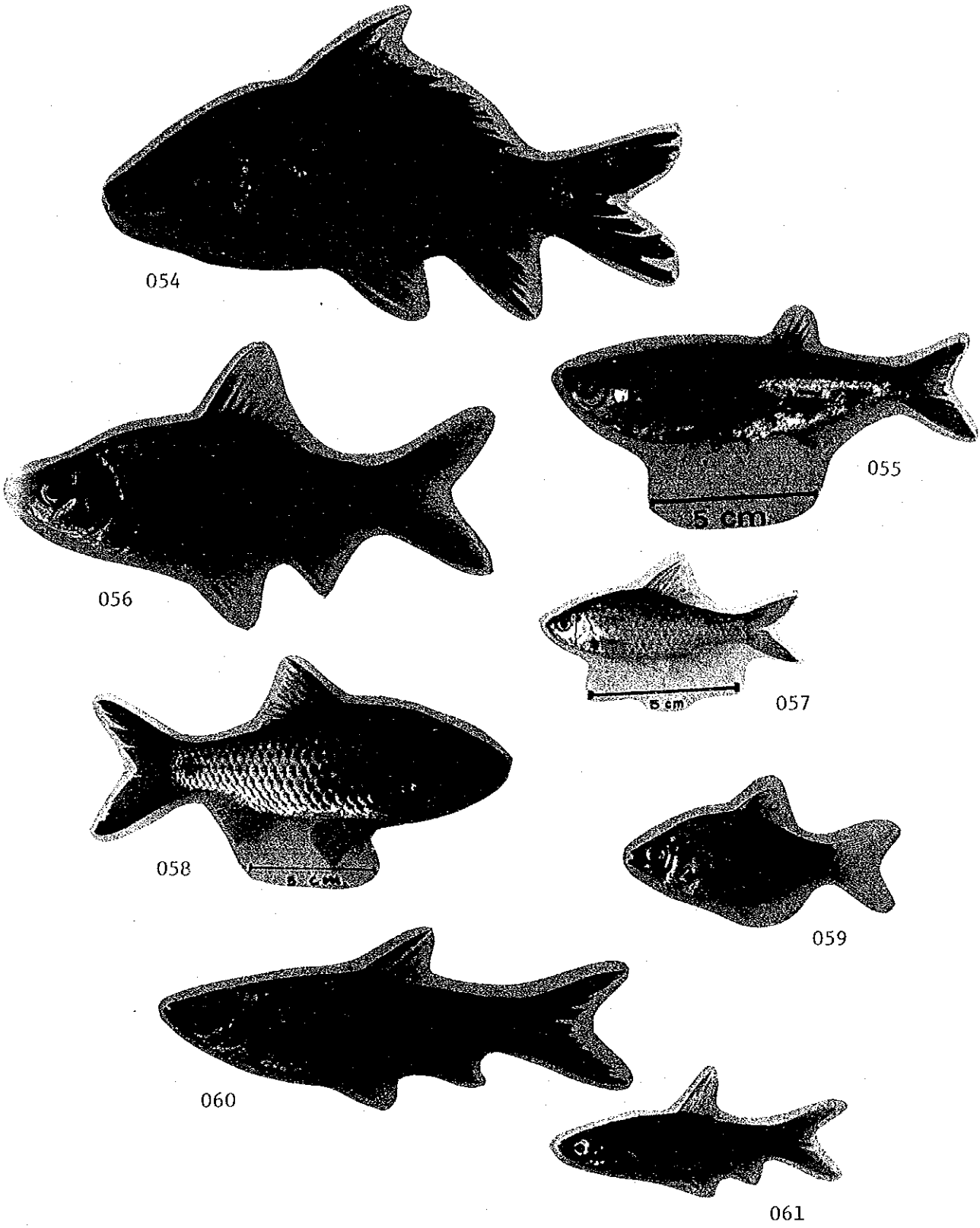


046

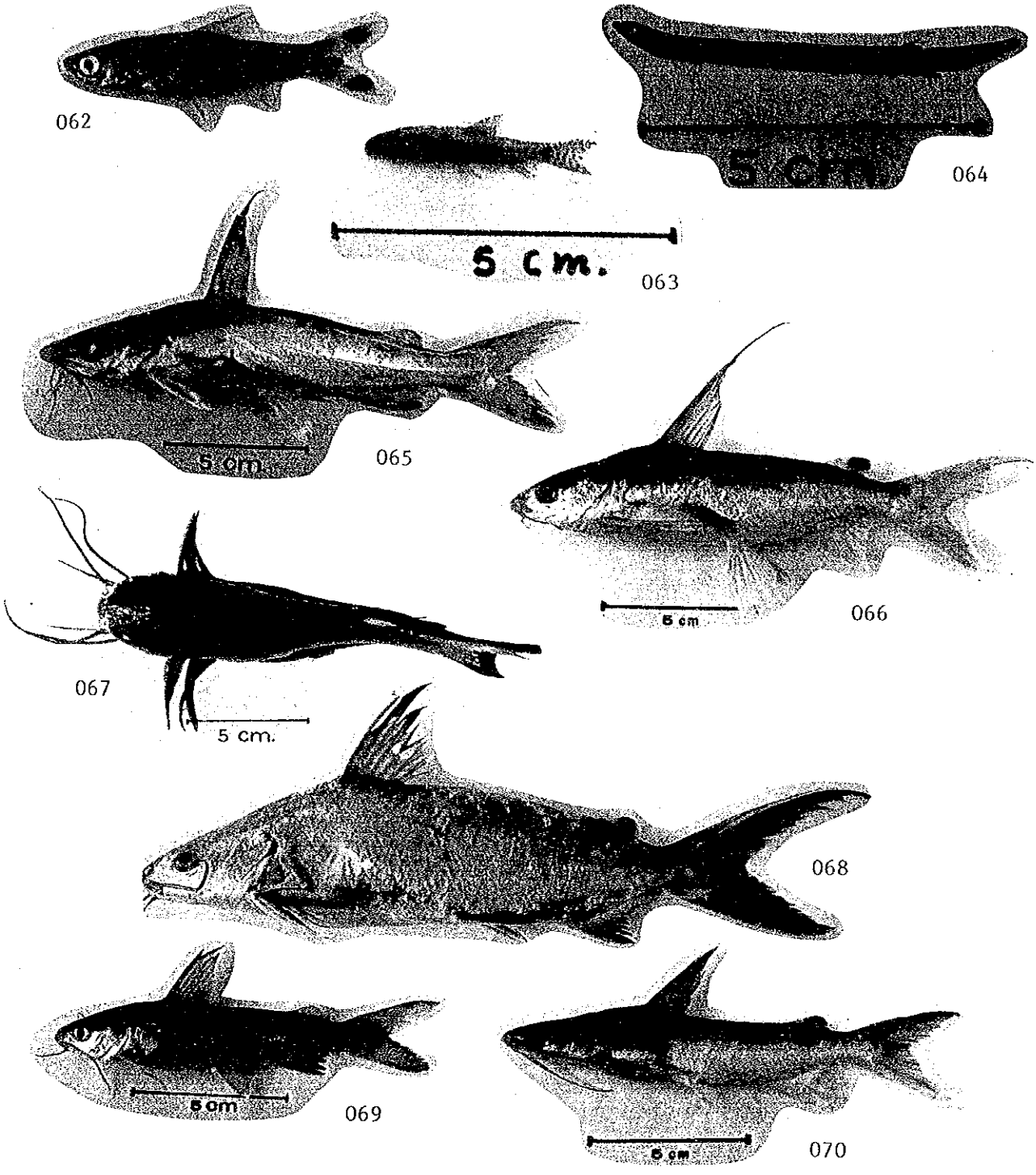
039	*Uropterygius macrocephalus*	043	*Ophichthys lumbricoides*
040	*Uropterygius marmoratus*	044	*Ophichthys macclellandi*
041	*Ophichthys apicalis*	045	*Ophichthys rhytidodermatoides*
042	*Ophichthys cephalozona*	046	*Pisoodonophis cancrivorus*



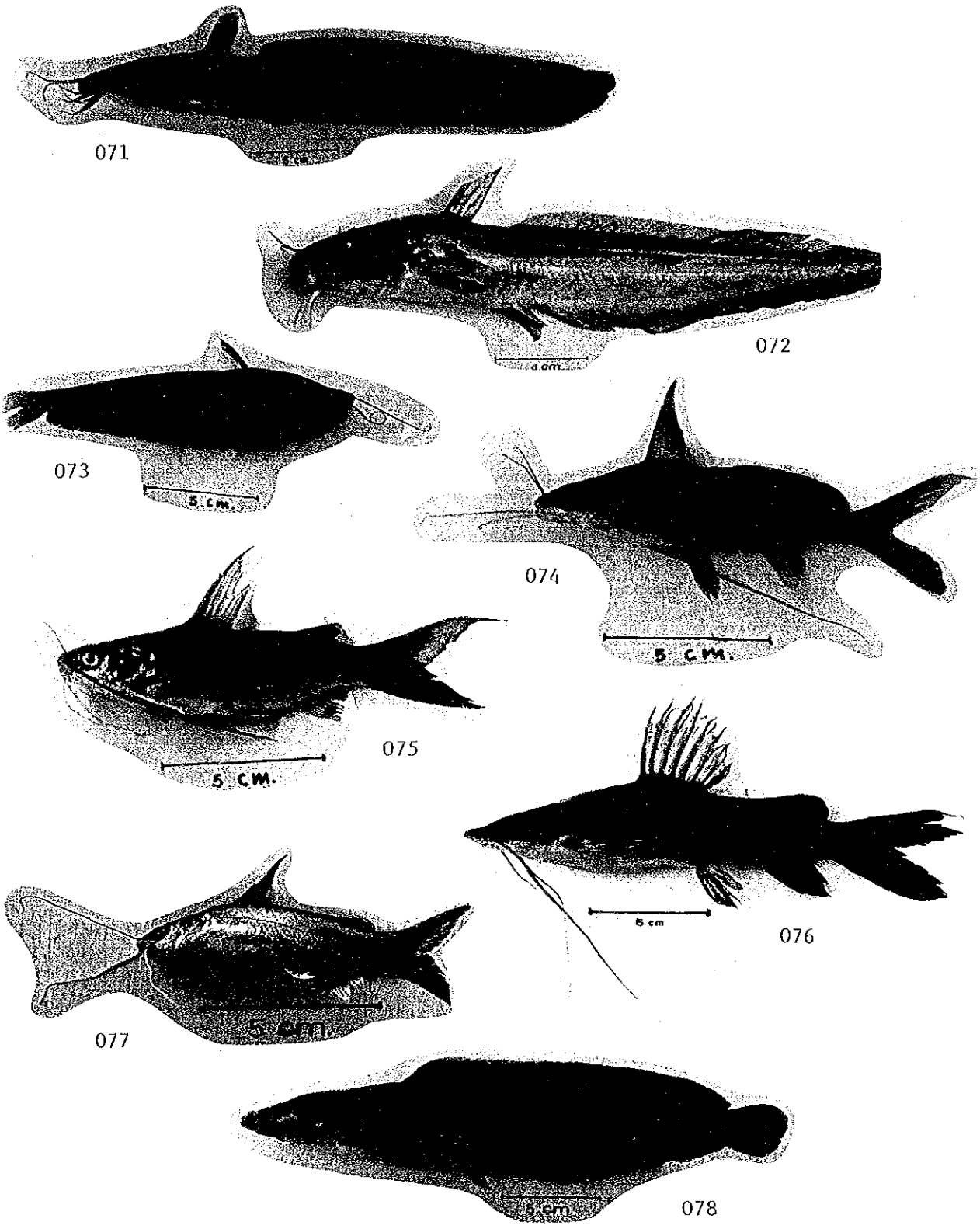
047	*Chanos chanos*	051	*Labeo rohita*
048	*Cyclocheilichthys apogon*	052	*Labiobarbus lineatus*
049	*Esomus metallicus*	053	*Osteochilus hasseltii*
050	*Hampala macrolepidota*		



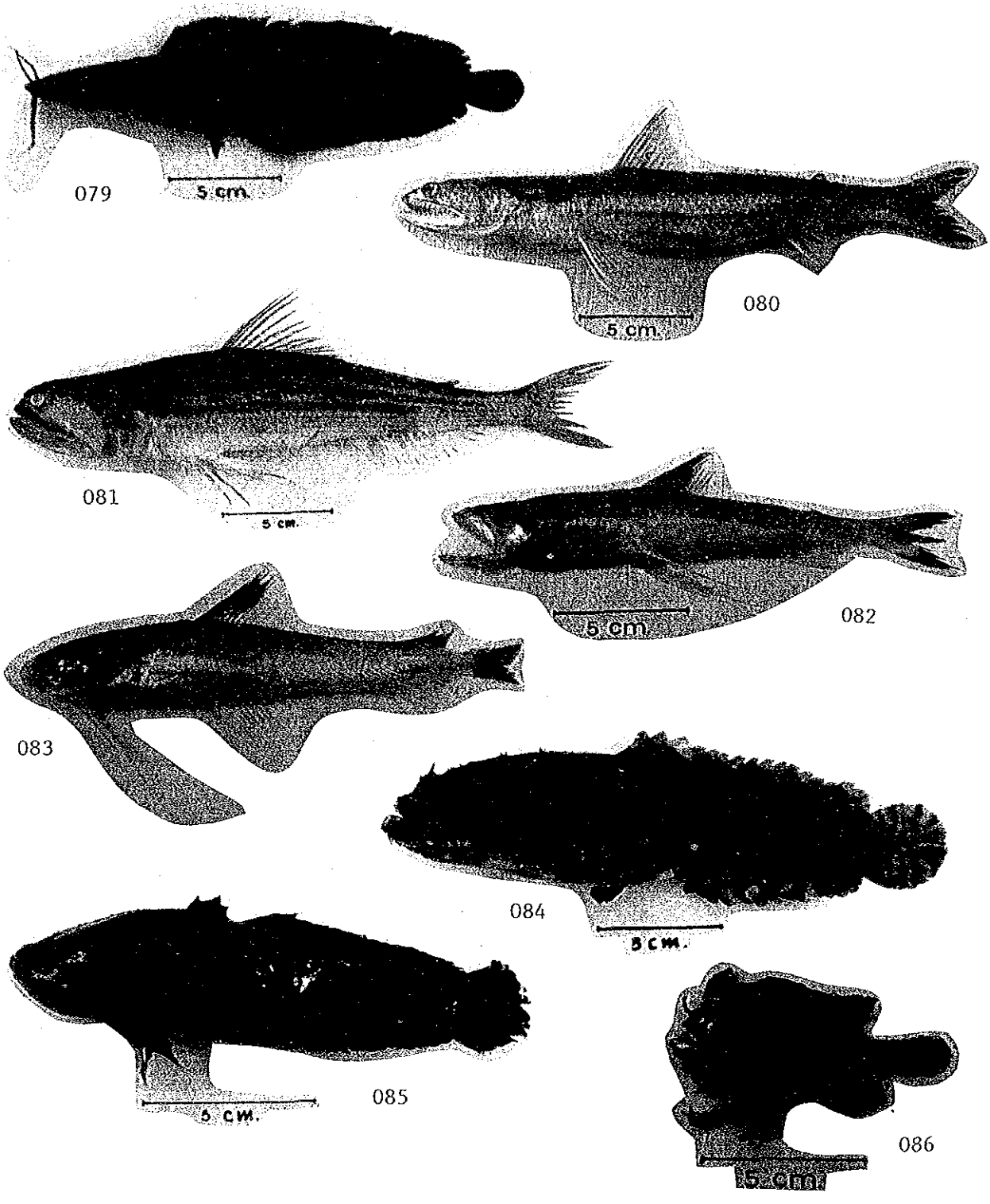
054	*Osteochilus melanopleura*	058	*Puntius orphoides*
055	*Oxygaster oxygastroides*	059	*Puntius partipentazona*
056	*Puntius gonionotus*	060	*Rasbora argyrotaenia*
057	*Puntius leiacanthus*	061	*Rasbora borapetensis*



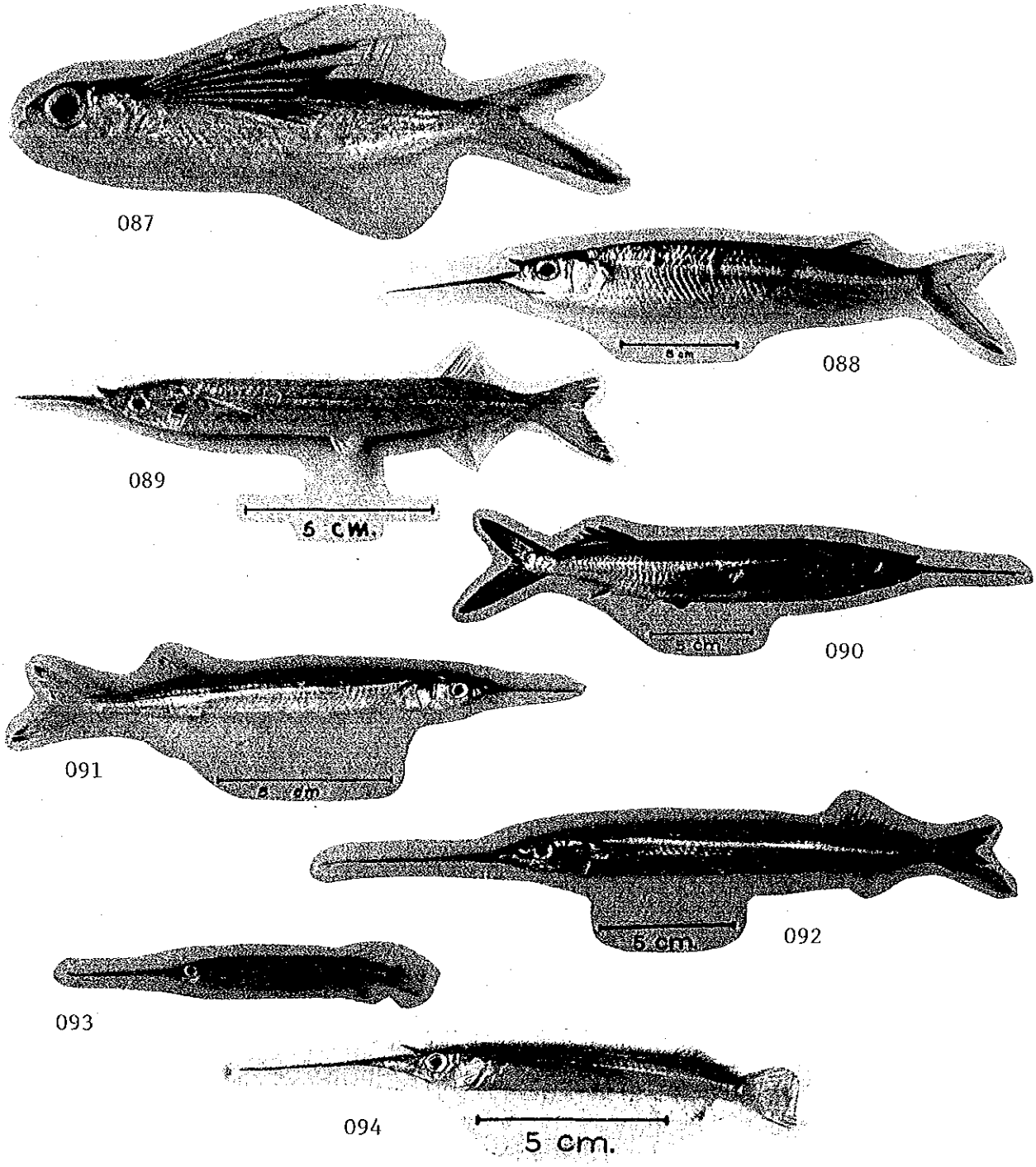
062	*Rasbora trilineata*
063	*Cobitophis anguillaris*
064	*Lepidocephalus hasselti*
065	*Arius caelatus*
066	*Arius maculatus*
067	*Arius sagor*
068	*Arius thalassinus*
069	*Arius venosus*
070	*Osteogeneiosus militaris*



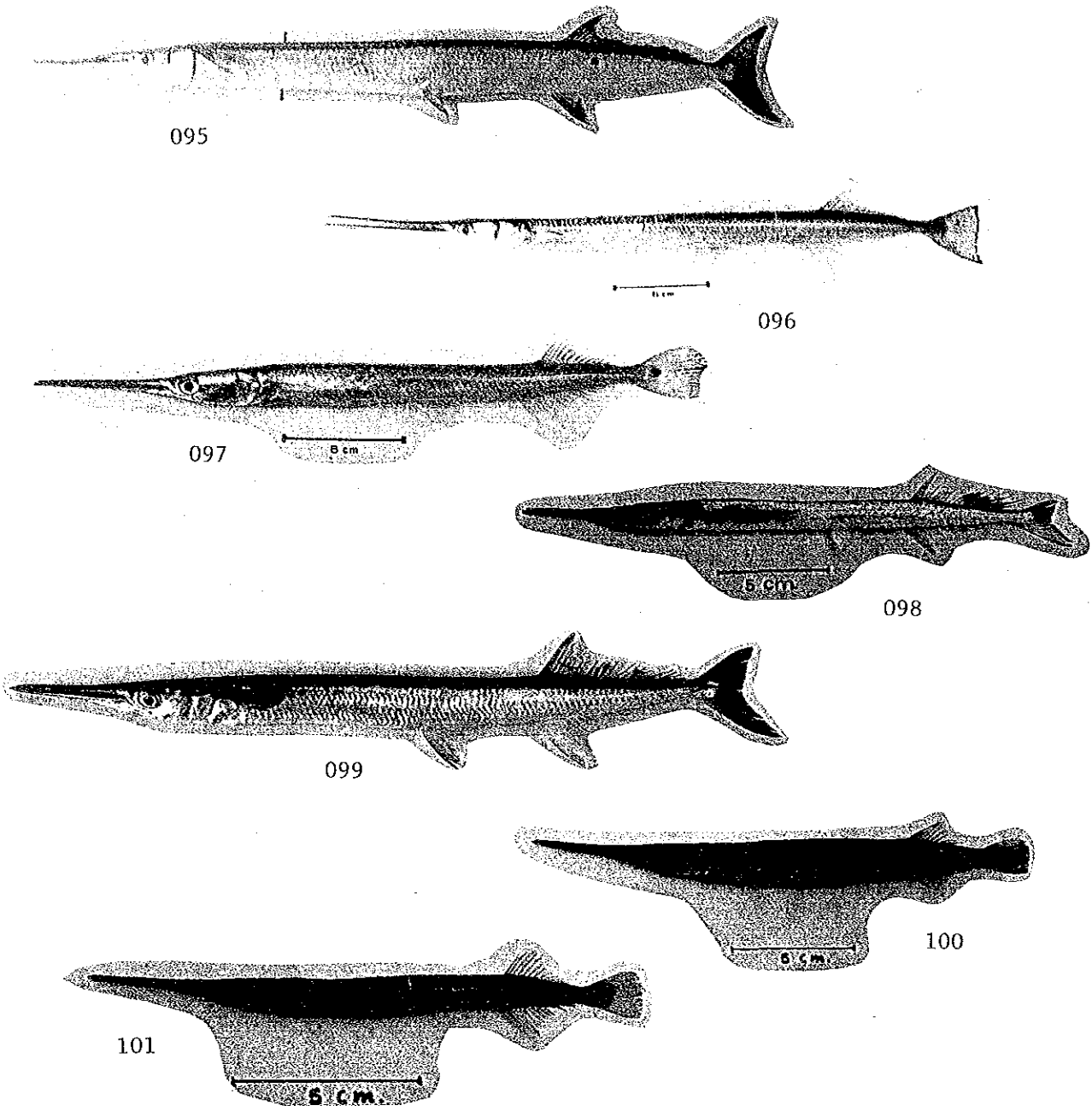
071	*Plotosus canius*	075	*Mystus gulio*
072	*Plotosus lineatus*	076	*Mystus nemurus*
073	*Ompox bimaculatus*	077	*Mystus planiceps*
074	*Mystus cavasius*	078	*Clarias batrachus*



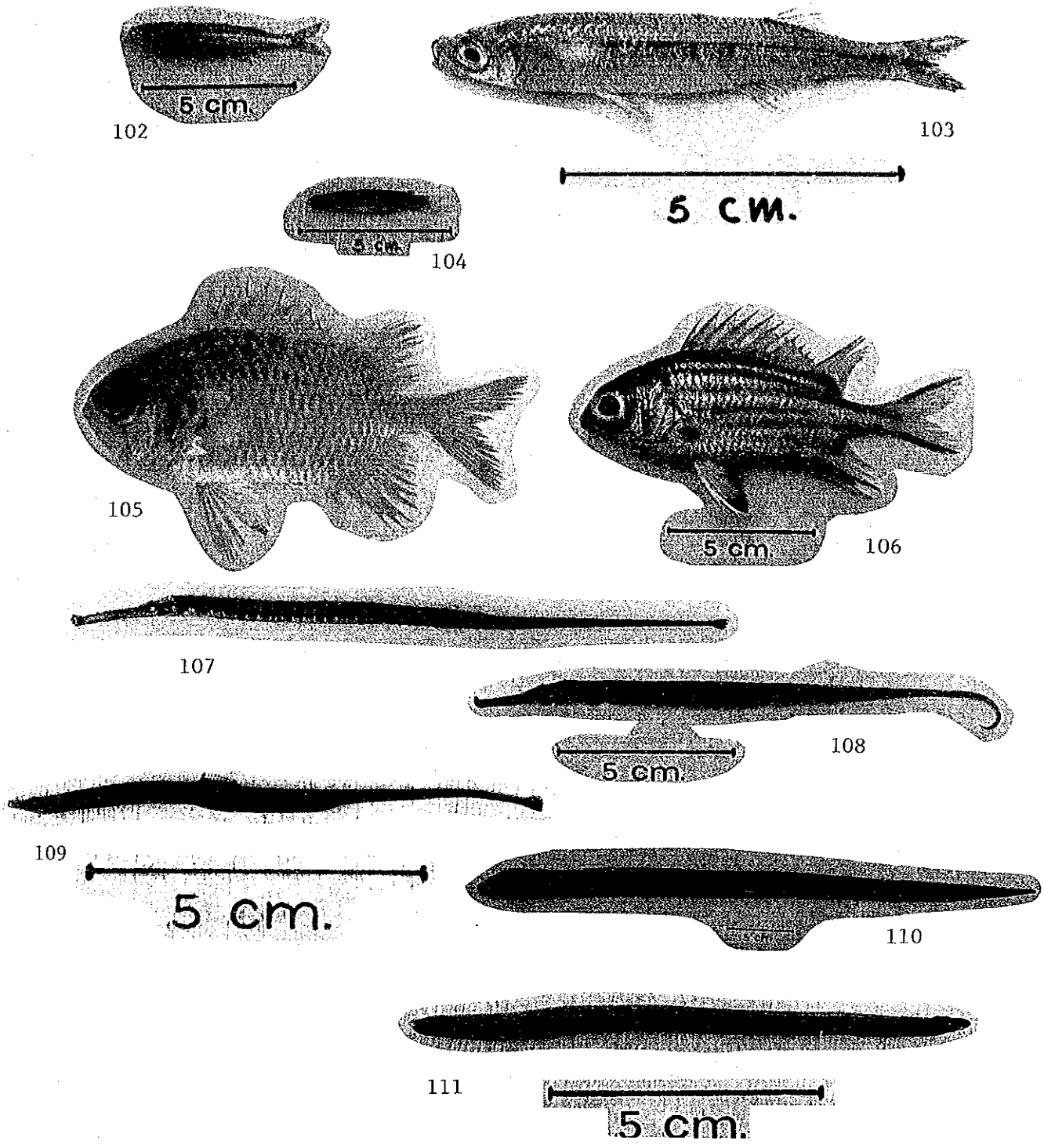
079	*Clarias macrocephalus*	083	*Bregmaceros macclellandi*
080	*Saurida tumbil*	084	*Halaphryne gangene*
081	*Trachinocephalus myops*	085	*Halophryne trispinosus*
082	*Harpadon nehereus*	086	*Histrio histrio*



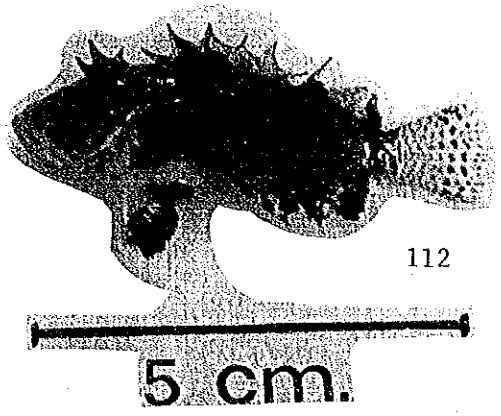
087	*Cypselurus oligolepis*	091	*Hemiramphus unifasciatus*
088	*Hemiramphus far*	092	*Rhynchorhamphus georgii*
089	*Hemiramphus gaimardi*	093	*Zenarchopterus ectuntio*
090	*Hemiramphus marginatus*	094	*Zenarchopterus rasori*



095	*Ablennes hians*	099	*Tylosurus crocodilus*
096	*Strongylura leiura*	100	*Xenantodon cancila*
097	*Strongylura strongylura*	101	*Xenantodon canciloides*
098	*Tylosurus annulatus*		



102	*Atherina forskali*	107	*Kaupia boaja*
103	*Atherina valenciennesi*	108	*Syngnathoides biaculeatus*
104	*Panchax panchax*	109	*Syngnathus cyanospilus*
105	*Myripristis hexagonus*	110	*Fluta alba*
106	*Sargocentron rubrum*	111	*Macrotrema caligans*



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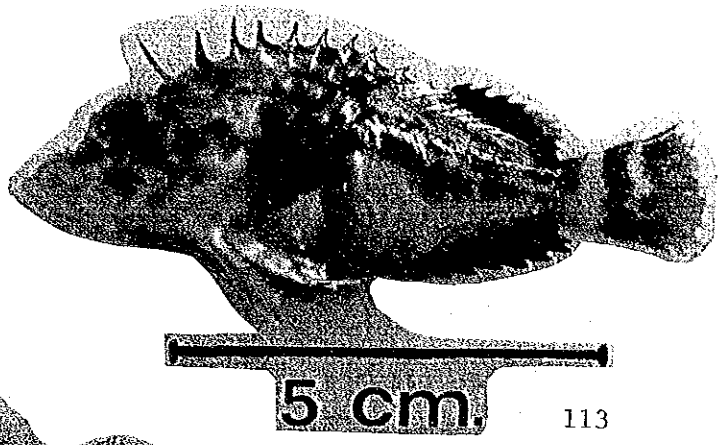

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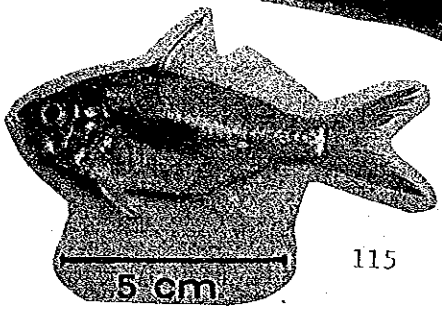

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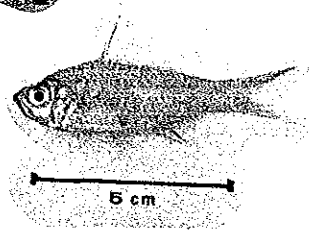

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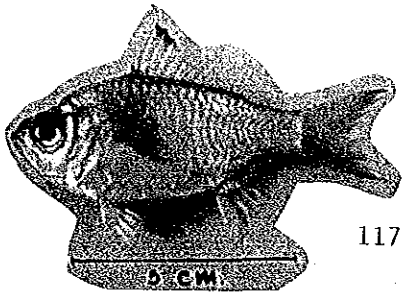

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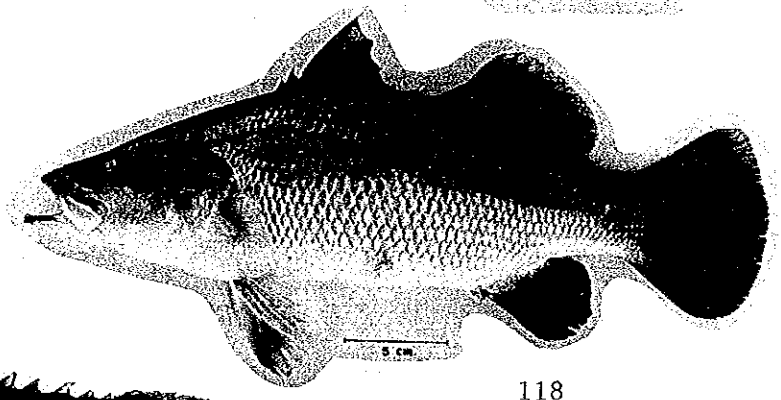

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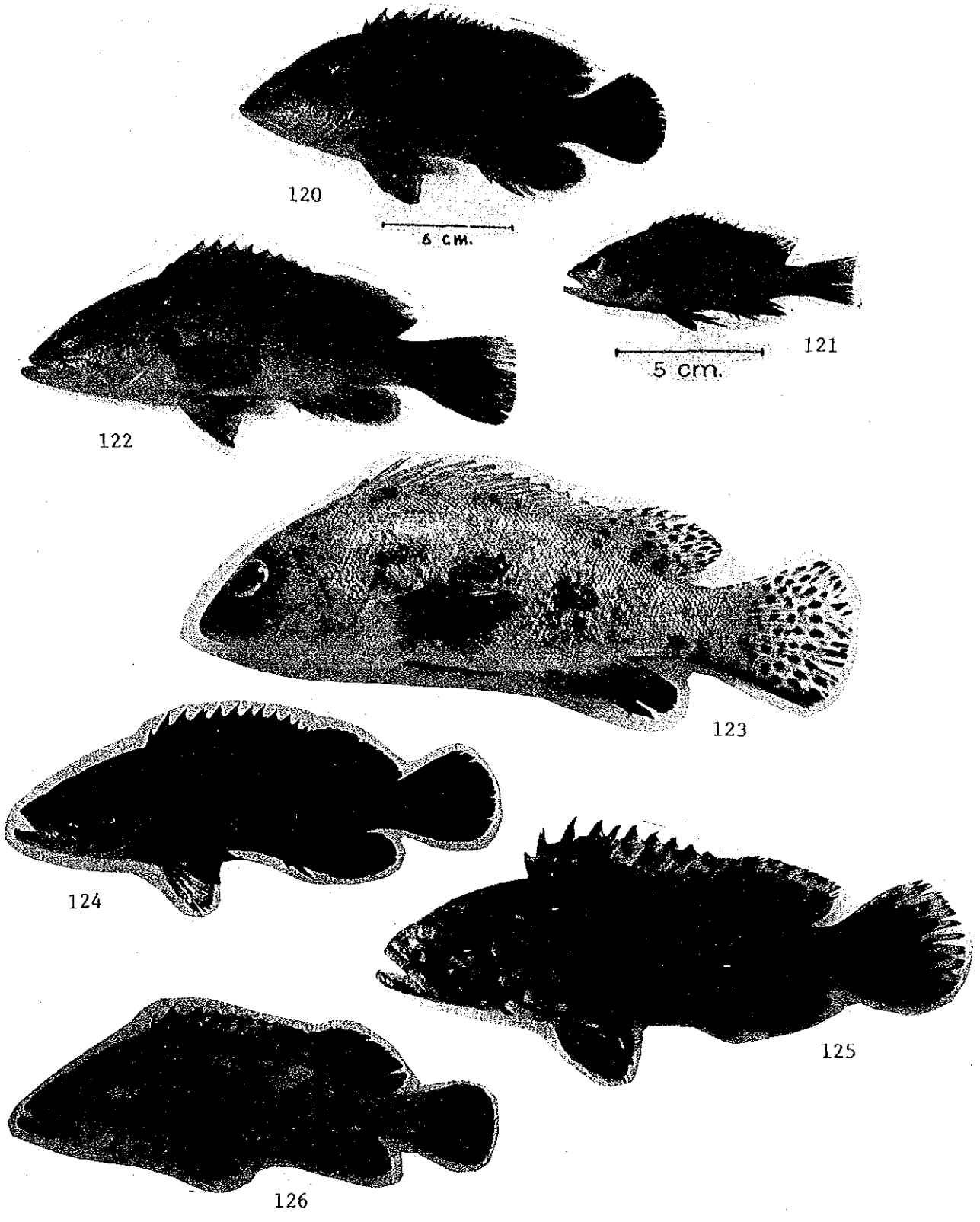
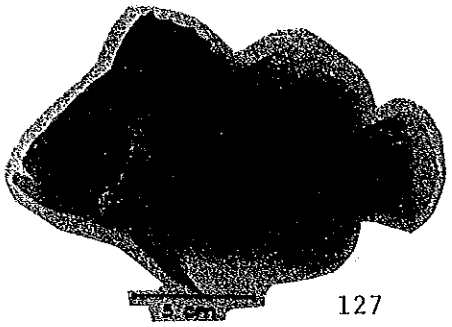
119

112	*Vespicula trachinoides*	116	*Ambassis gymnocephalus*
113	*Minous monodactylus*	117	*Ambassis kopsii*
114	*Platycephalus indicus*	118	*Lates calcarifer*
115	*Ambassis commersonii*	119	*Cephalopolis boenack*



		123	*Epinephelus sexfasciatus*
120	*Cephalopolis pachycentron*	124	*Epinephelus malabaricus*
121	*Epinephelus areolatus*	125	*Epinephelus megachir*
122	*Epinephelus bleekeri*	126	*Epinephelus moara*



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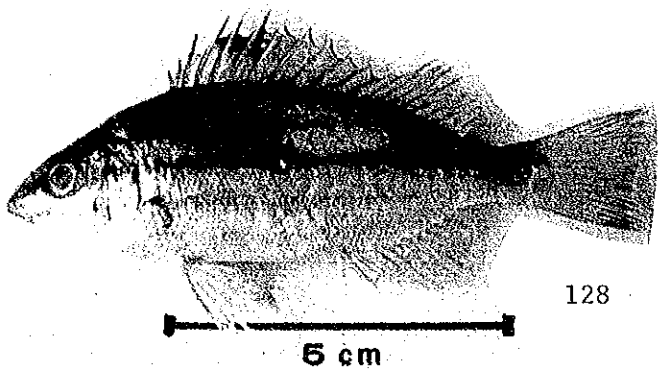

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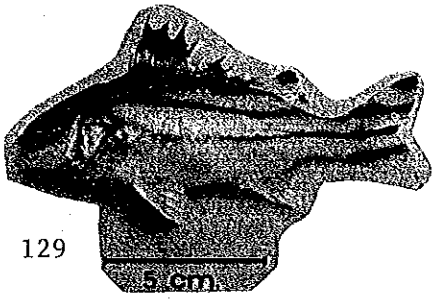

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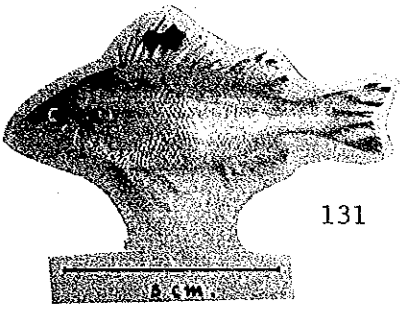

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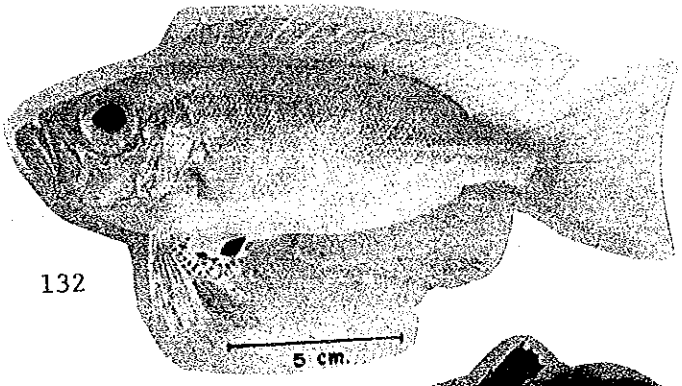

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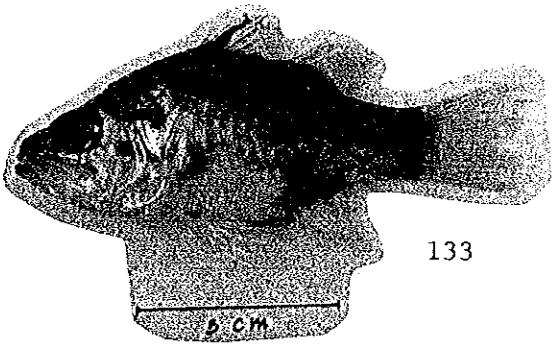

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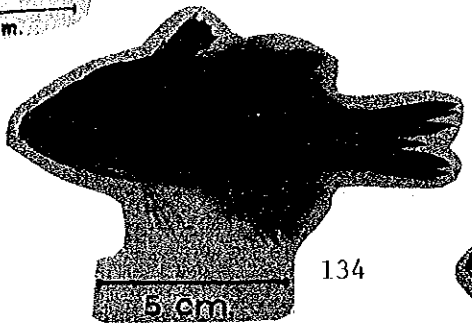
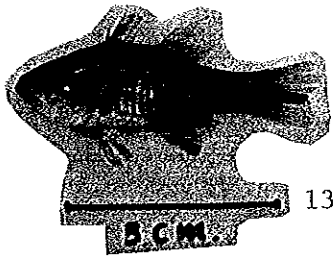
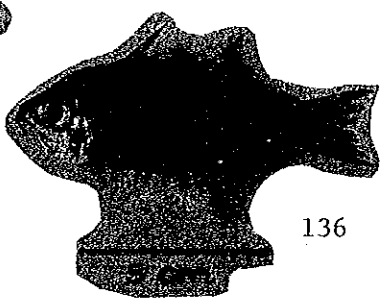


134



135



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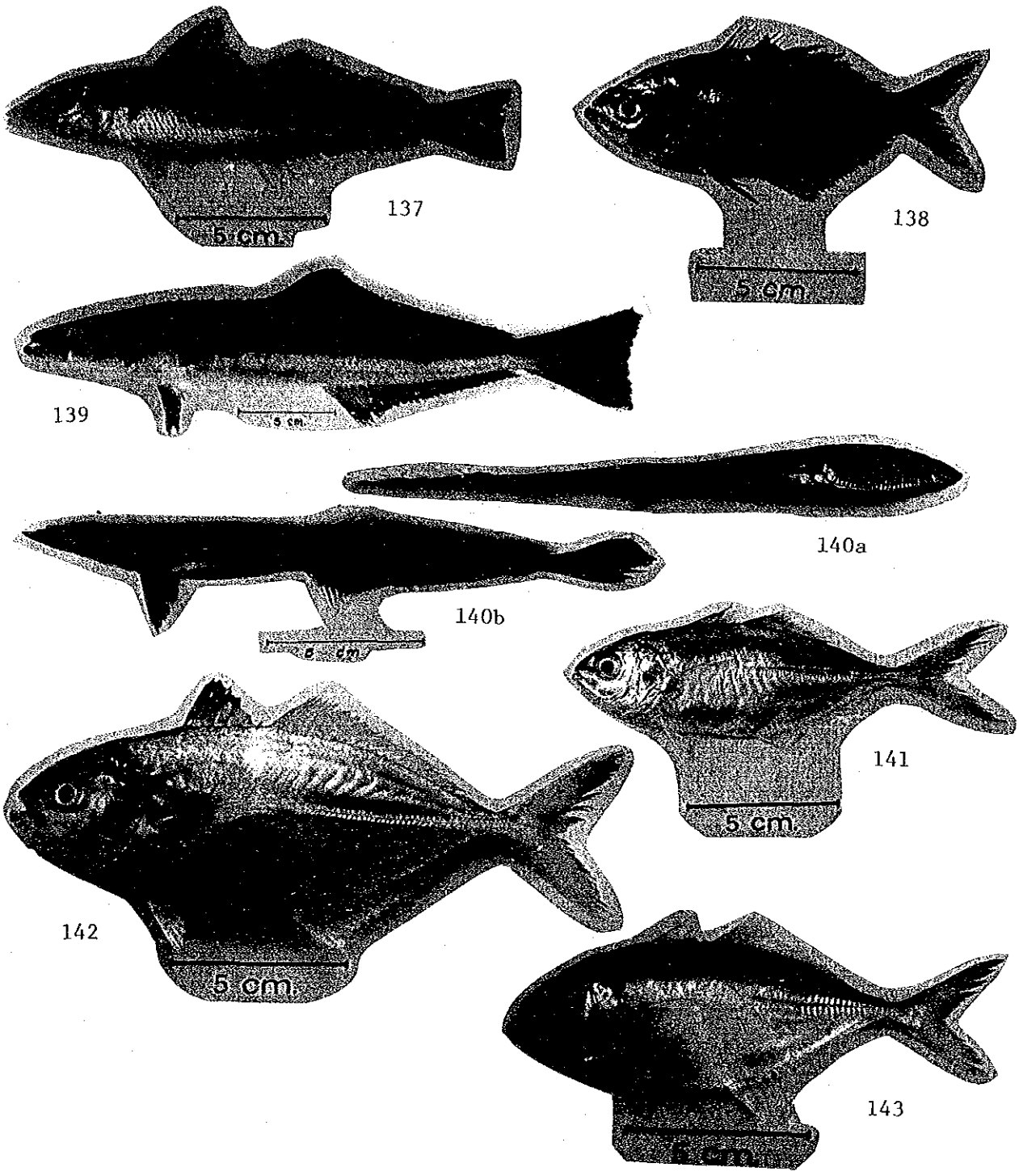
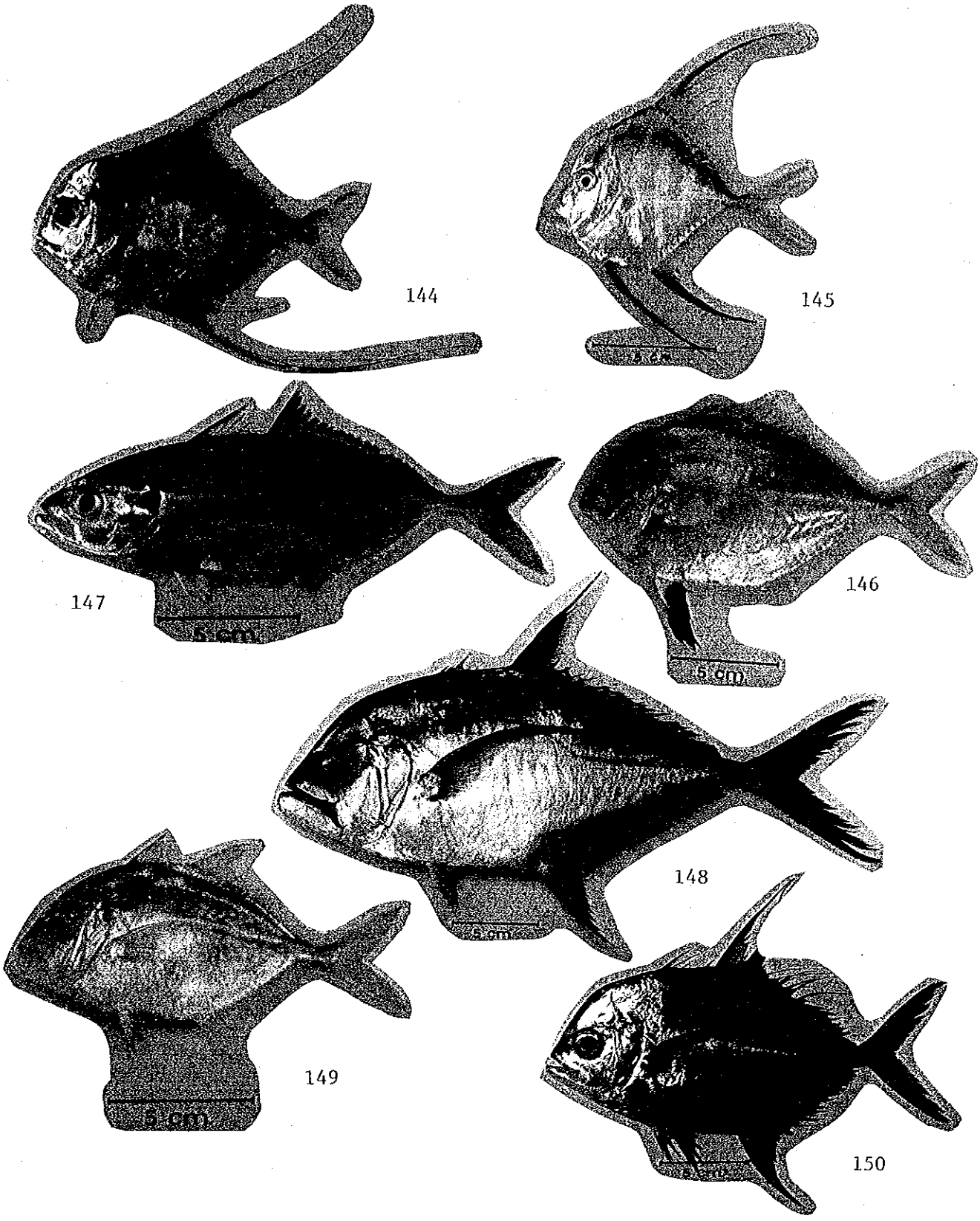
127	*Diploprion bifasciatum*	132	*Priacanthus tayenus*
128	*Pelates quadrilineatus*	133	*Apogon hyalosoma*
129	*Terapon jarbua*	134	*Apogon multitaeniatus*
130	*Terapon puta*	135	*Apogon quadrifasciatus*
131	*Terapon theraps*	136	*Archamia liniolata*



137	*Sillago sihama*	141	*Alepes djedaba*
138	*Lactarius lactarius*	142	*Alepses melanoptera*
139	*Rachycentron canadum*	143	*Alepes para*
140	*Echeneis naucrates*		



144 *Alectis ciliaris*

145 *Alectis indica*

146 *Atropus atropus*

147 *Atule mate*

148 *Carangichthys oblongus*

149 *Carangoides chrysophrys*

150 *Carangoides ciliarius*