

FISHERY STATISTICAL BULLETIN OF SOUTHEAST ASIA 2020



Southeast Asian Fisheries Development Center

SEC/ST/56

January 2023

© 2023

Southeast Asian Fisheries Development Center (SEAFDEC)

P.O. Box 1046, Kasetsart Post Office, Chatuchak, Bangkok 10903, Thailand

Reference to this publication could be made provided that the publication is properly cited. Electronic copy of this publication is also available at the SEAFDEC Institutional Repository (SIR), accessible through <http://repository.seafdec.org>. E-copy of the publication may be shared only for non-commercial purposes. However, public access to the e-copy of the publication could be made only through the publication URL in the SIR; and not through other domain without permission in writing from SEAFDEC.

ISSN 0857-748X

FOREWORD

In Southeast Asia, fishery statistics has been widely accepted as an important tool to support the formulation of fisheries policies and development of fisheries management frameworks and actions and to serve as a basis for understanding the status and trend of fishery resources. Since 1978, SEAFDEC had undertaken activities to compile fishery statistics data and information based on the national statistics data submitted by countries bordering the South China Sea and continued to implement relevant programs that include the compilation of fishery statistics. One of the activities was the annual publication compiled during 1976–2007 as the “Fishery Statistical Bulletin for the South China Sea Area.” Starting from 2008 until the present, however, the publication was changed to the “Fishery Statistical Bulletin of Southeast Asia.”

For this 2020 Fishery Statistical Bulletin of Southeast Asia, SEAFDEC is presenting the data and information with a brief analysis of the regional trends with the hope that it would be useful in assessing the factors that influence the continued rising fishery production at the national level. The publication of this 2020 Fishery Statistical Bulletin of Southeast Asia has been successfully realized with the continued support from the ASEAN Member States (AMSs) through their efforts in providing the most updated national fisheries data and information. SEAFDEC is, therefore, grateful to the national agencies and concerned personnel of the AMSs for their cooperation and support.

SEAFDEC is committed to continuing in assisting the AMSs in the sustainable development of their respective fisheries, and looks forward to strengthening the cooperation with the AMSs, especially on fisheries data compilation for the forthcoming issues of the Bulletin as well as other publications of SEAFDEC including the “Southeast Asian State of Fisheries and Aquaculture” that made use of the region fishery statistics together with other relevant information and came up with better knowledge on the status and trends of fisheries. Once again, SEAFDEC would like to thank the AMSs as well as related organizations for their cooperation and support in the compilation of fishery statistical data including inputs that went into this 2020 Bulletin. SEAFDEC will continue to enhance the awareness of the countries in the region on the utilization of fishery information for improved fisheries planning and management by compiling the fisheries statistics and data of Southeast Asia.



Ms. Malinee Smithrithee
Secretary-General
Southeast Asian Fisheries Development Center

CONTENTS

I EXPLANATORY NOTES

1. GENERAL NOTES	i
1.1 Data Sources	i
1.2 Incomplete Data	i
1.3 Time Reference.....	i
1.4 Unit of Measurement.....	i
1.5 Standard Symbols and Abbreviations	i
2. NOTES ON STATISTICS.....	ii
2.1 Statistical Coverage.....	ii
2.2 Geographical Coverage	ii
2.3 Fishery Structure and Sub-sectors.....	ii
2.3.1 Statistics on Capture Fishery	ii
2.3.1.1 Marine Capture Fishery	ii
2.3.1.2 Inland Capture Fishery.....	iv
2.3.2 Statistics on Aquaculture	vi
2.3.3 Statistics on Fish Price.....	viii

APPENDICES

1. Classification of Fishing Areas.....	ix
2. Classification of Small-scale and Commercial Fisheries.....	xiv
3. List of Aquatic Animals and Plants.....	xvi
4. Classification of Fishing Gears	xviii
5. Classification of Fishing Boats.....	xxi
6. Classification of Fishers and Farmers.....	xxii

II SUMMARY 2020

Overview of the Fisheries Sector of Southeast Asia in 2020	3
--	---

III STATISTICAL TABLES 2020

1. ANNUAL SERIES OF FISHERY PRODUCTION.....	23
1.1 Total Production	23
1.1.1 In Quantity.....	23
1.1.2 In Value	23
1.2 Marine Fishery Production.....	24
1.2.1 In Quantity.....	24
1.2.2 In Value	24

1.3 Inland Fishery Production.....	25
1.3.1 In Quantity.....	25
1.3.2 In Value.....	25
1.4 Aquaculture Production.....	26
1.4.1 In Quantity.....	26
1.4.2 In Value.....	26
2. FISHERY PRODUCTION BY SUB-SECTOR.....	28
2.1 In Quantity.....	28
2.2 In Value.....	29
3. MARINE CAPTURE FISHERY STATISTICS.....	30
3.1 Number of Fishing Boats by Type and Gross Tonnage.....	30
3.2 Number of Fishing Units by Size of Boat.....	32
3.2.1 Brunei Darussalam.....	32
3.2.2 Indonesia.....	33
3.2.3 Malaysia.....	34
3.2.4 Myanmar.....	35
3.2.5 Singapore.....	36
3.2.6 Thailand.....	37
3.3 Marine Capture Fishery Production by Species and by Fishing Area.....	38
3.3.1 In Quantity.....	38
3.3.2 In Value.....	58
3.4 Capture Production by Type of Fishing Gear and by Species.....	78
3.4.1 Brunei Darussalam.....	84
3.4.2 Indonesia.....	94
3.4.3 Malaysia.....	102
3.4.4 Singapore.....	104
3.4.5 Thailand.....	
4. INLAND CAPTURE FISHERY STATISTICS.....	112
4.1 Inland Capture Fishery Production by Species and by Fishing Area.....	112
4.1.1 In Quantity.....	112
4.1.2 In Value.....	116
4.2 Inland Fishery Production by Type of Water Bodies.....	120
4.2.1 In Quantity.....	120
4.2.2 In Value.....	120

5. AQUACULTURE STATISTICS.....	122
5.1 Aquaculture Production by Species and by Fishing Area.....	122
5.1.1 In Quantity.....	122
5.1.2 In Value.....	132
5.2 Aquaculture Production by Species of Ornamental Fishes.....	140
5.2.1 In Quantity.....	140
5.2.2 In Value.....	148
5.3 Seed Production from Aquaculture.....	156
5.3.1 Brunei Darussalam.....	156
5.3.2 Indonesia.....	157
5.3.3 Malaysia.....	159
5.3.4 Myanmar.....	160
5.3.5 Singapore.....	161
6. PRICE OF FRESH FISH.....	162
6.1 Producer Price for Capture Fishery Production by Species.....	162
7. FISHERS.....	172
7.1 Number of Fishers by Working Status.....	172

I

EXPLANATORY NOTES

I. EXPLANATORY NOTES

1. GENERAL NOTES

1.1 Data Sources

Data and information available from various sources could be used as inputs for the Bulletin. These include the data collected through statistical surveys, from government records and semi-governmental organizations. In addition, data and information derived from new statistical techniques or small-scale surveys could also be used to provide inputs to the Bulletin.

1.2 Incomplete Data

Although it is desirable that standardized and complete data be supplied for the Bulletin; data that may not be entirely compatible with the coverage, definition and classification but could be useful should also be reported by countries, provided that the extent of incompleteness indicated as a footnote.

1.3 Time Reference

The Fishery Statistical Bulletin of Southeast Asia has been published starting from the statistics of the year 2008. The statistical period, in principle, covers January to December of the reporting year. In cases where country was unable to supply the statistics of the reporting year by the timeline as indicated, the latest data available may be given, provided that the year to which the data belongs indicated in the space provided.

1.4 Unit of Measurement

Units of measurement used in the Bulletin are standardized as follows:

- Fishery production statistics in quantity are reported in metric tons, except ornamental fish and reptiles which are reported in pieces/numbers.
- Fishery production statistics in value are reported in US\$ 1,000.
- Fish prices are reported in US\$/kg.

1.5 Standard Symbols and Abbreviations

The following standard symbols and abbreviations are used throughout the tables in this Bulletin:

...	=	Not available
–	=	Magnitude zero or not applicable
0	=	Magnitude insignificant, <i>i.e.</i> , less than half of the measurement
MT	=	Metric Tons
US\$ 1,000	=	1,000 dollars in U.S. currency
No.	=	Number
Q	=	Quantity
V	=	Value

2. NOTES ON STATISTICS

2.1 Statistical Coverage

Fishery Statistical Bulletin of Southeast Asia covers the fishery statistics on Production; Fishing Units; Fishing Boats; Fishers; and Fish Price. Production (landings) covers fishes, crustaceans, mollusks, and other aquatic animals and plants taken for all purposes (capture fisheries and aquaculture) by all types and classes of fishing units and aquaculture activities operating in marine, brackishwater and freshwater areas, in appropriate geographical categories.

2.2 Geographical Coverage

The data also covers all production by commercial and small-scale fisheries and aquaculture activities in freshwater, brackishwater and marine water designated by FAO Fishing Area 57 (Indian Ocean, Eastern), 71 (Pacific, Western Central), 61 (Pacific, Northwest), and 04 (Asia, Inland Water). Countries and sub-areas to be used in marine fishery statistics are established in consistent with the FAO Fishing Areas (see detail description in *Appendix 1*).

2.3 Fishery Structure and Sub-sectors

In line with the structure of fisheries in the Southeast Asian region, the statistics are divided into two main sectors, *i.e.* Capture Fishery and Aquaculture. Capture means an economic activity to catch or collect aquatic organisms which grow naturally in public waters and which do not belong to the property of any person, whereas culture means an economic activity to rear the young aquatic organisms such as fry, fingerlings, oyster seeds, etc., to commercial size. Unlike capture, aquatic organisms under culture operations belong to the property of a specific person or a group of specific persons who manage them until they grow to commercial size.

2.3.1 Statistics on Capture Fishery

With concerns in the different environment of fishery resources and other components of capture fishery, the statistics compiled under this section are classified into two sub-sectors, namely Marine Capture Fishery and Inland Capture Fishery. Statistics on production or catch, fishing gears, fishing boats, fishing units, fishers, etc., should be collected and compiled under each sub-sector.

2.3.1.1 Marine Capture Fishery

a. Coverage and Definition

Marine capture fishery is divided into two categories: small-scale fishery (including subsistence artisanal/traditional fishery) and commercial fishery. As it is impossible to establish common definition of these two categories in the region, the national distinction between small-scale and commercial fisheries of countries in the region is given in *Appendix 2*. The data for marine capture fishery excludes sport fishing, recreation, and research.

b. Marine Capture Production

The statistics for marine production represent the statistics on catches and landings of marine and brackishwater species of aquatic organisms, killed, caught, trapped or collected for all commercial, industrial, and subsistence purposes. The statistics in terms of quantity will be used to assess the stock of the marine organisms, to disclose the size of a fishing industry as a whole, and to be used as index showing the status and trend of a fishing industry by annual series of fisheries industry in monetary terms to adequately compare the economic size of the fisheries industry with those of other industries.

b.1 Unit of Measurement

1) Production in quantity

Production in quantity represents the weight equivalent of the landing. Production in quantity should be reported in metric tons, except those expressed in numbers or in kilograms. If production is reported in kilograms, this should be

converted into metric tons estimated by rounding off to the nearest hundredths. The production of ornamental fish and reptiles should be reported in numbers.

There are many instances where the catches on board fishing vessels are gutted, filleted, salted, dried, etc., or reduced to meals, oil, etc. The data on the landing of such species and products require conversion by accurate yield rates (conversion factors) to establish the live weight equivalents (nominal catches) at the time of their capture.

2) Production in value

Production in value represents the products' value equivalent of the landing (average monthly weighted value, where available). It is generally estimated by multiplying the quantity of production by the producers' price. In reporting production in value, the amount reported in the national currencies should be converted to US\$.

b.2 Statistics on Marine Capture Production

1) Production by species

Marine capture production covers production from all kinds of commercial and small-scale fisheries broken down by species (at the species, genus, family or higher taxonomic levels) into statistical categories called species items.

The standard statistical list of marine species is developed in consistent with the 'International Standard Statistical Classification of Aquatic Animals and Plants' (ISSCAAP) with two-digit group code. Statistics on marine species items or group items or group should be reported by referring to the FAO English name, taxonomic code in 10 digits, inter-agency 3-alpha code, and national/local name. Please refer to *Appendix 3* for the ISSCAAP and the List of Aquatic Animals and Plants in Southeast Asia.

2) Production by type of fishing gear

The production classified under commercial and small-scale fisheries, where possible, should be further classified into detailed types of fishing gear for each category.

To complete the statistics on production by type of fishing gear, the Regional Classification of Fishing Gear developed in consistent with the CWP-International Standard Statistical Classification of Fishing Gear (ISSCFG) is shown as *Appendix 4*.

c. Fishing Boats

Fishing boats can also be called in various terms as fishing vessels, fishing fleets, or fishing crafts. Fishing boat means any vessel, boat, ship or other craft that is equipped and used for fishing or in support of such activity. Statistics on fishing boats will be used to clarify the amount of capital invested in a fishery corresponding to the size of fishing boat. Such statistics can also be used as inputs for the economic analysis and measure of the material input productivity of fishing industry, and as a rough indication of the fishing effort considering the size of the fishing boat.

c.1 Coverage of Fishing Boats

The statistics should cover annual data of fishing boats in marine areas. All boats used in fishing, whether registered with the government or not, should be included.

c.2 Classification of Fishing Boats

Based on the characteristics of marine capture fishery in the Southeast Asian region, one fishing boat can operate various types of fishing gear as well as catching many target species.

The regional classification of fishing boats is therefore developed separately from the Coordinating Working Party on Fishery Statistics (CWP) in order to present the specificity of the fisheries situation of the region. In compiling the

statistics on fishing boats and fishing units for marine capture fisheries in the region, the Regional Classification of Fishing Boats by Type of Boats has been developed as shown in *Appendix 5*.

Tonnage is expressed uniformly in gross ton. When a unit other than gross tons is used to measure the size of the boat, this should be converted into gross tons. Although the method of measurement of the tonnage of fishing boats varies from country to country, statistics should be based on national measurement standards.

d. Fishing Units

Fishing unit means the smallest unit in fishing operation, which comprises generally a fishing boat, fishers and fishing gears. In cases where two fishing boats are jointly operated in fishing such as the pair trawl or two-boat purse seine, these two fishing boats are regarded as one fishing unit.

A fishing boat may be counted as two or more fishing units on the same year if it uses different kinds of fishing gears in separate seasons. For instance, in cases where a fishing boat operates trawl fishing half a year and gill net fishing during the other half of the year, the fishing boat is regarded as two fishing units. Fishing units are generally counted by type of fishing gear. The statistics on fishing unit is mainly used to consider the limitation of the number of fishing units for fisheries management.

d.1 Coverage of Fishing Units

The statistics should cover the annual data of fishing units operated in marine and coastal areas. Fishing units operating without boats or non-powered boats are excluded.

d.2 Classification of Fishing Units

Fishing units are classified by type and size of fishing boats as well as major type of fishing gear. In cases where a fishing unit operates more than one fishing boats such as the pair trawl and two-boat purse seine, the size is represented by the tonnage of the major single fishing boat from among the boats employed. The type of fishing gear is based on the national classifications. In order to facilitate reporting of the statistics on fishing units, please refer to *Appendix 4* for the details.

e. Fishers

e.1 Coverage of Fishers

The statistics on fishers are generally obtained from the Marine Fishery Census of the Member Countries. The statistics should cover all commercial and subsistence fishers operating in marine and brackishwater areas for catching and landing of all aquatic animals.

e.2 Classification of Fishers

Statistics on the number of fishers by sub-sectors of fisheries and working status should be based on the following two main categories: full-time fishers and part-time fishers. For the detailed classification of the fishers, please refer to *Appendix 6*.

- (a) Full-time fishers: fishers who spend all of their working time in fishing.
- (b) Part-time fishers: fishers who spend part of their working time in fishing.

2.3.1.2 Inland Capture Fishery

a. Coverage and Definition

Inland Capture Fishery refers to any activity involving the catching or collection of aquatic organisms, which grow naturally in inland water bodies for economic, livelihoods and food security purposes. The statistics cover the annual data of commercial and subsistence operations for catching and collecting, and landing production of all aquatic animals in freshwater areas.

The statistics on inland capture fishery cover all productions and the people involved in fishing designated by FAO Fishing Area 04.

b. Inland Capture Production

The statistics for inland capture production represent the catch of freshwater species of aquatic organisms that are killed, caught, trapped or collected for all commercial and subsistence purposes.

b.1 Unit of Measurement

1) Production in quantity

Production in quantity represents the weight equivalent of aquatic organisms killed, caught, trapped or collected in inland water bodies. Production in quantity should be reported in metric tons, except those expressed in numbers. If production is reported in kilograms, this should be converted into metric tons estimated by rounding off to the nearest hundredths.

2) Production in value

Production in value represents an estimation of the value equivalent at the first point of sale, indicating seasonal variations in the average total value where available, with estimations including aquatic products caught and collected for subsistence and household purposes. In reporting production in value, the amount reported in national currencies should be converted to US\$.

b.2 Statistics on Inland Capture Production

1) Production by species

Inland capture production covers all aquatic animals and plants in inland waters broken down by species (at the species, genus, family or higher taxonomic levels) into statistical categories called species items. The standard statistical list of freshwater species is developed in consistent with the 'International Standard Statistical Classification of Aquatic Animals and Plants' (ISSCAAP). The statistics of freshwater species items or groups should be reported using the same format as that for marine species. The regional standard statistical list of aquatic species is given in *Appendix 3* and could be referred to from the List of Aquatic Animals and Plants in Southeast Asia.

2) Production by type of water bodies

Statistics on production from inland capture fishery should be presented in accordance with the following types of water bodies:

- (a) Lakes: non-flowing, naturally enclosed bodies of water, including regulated natural lakes but excluding reservoirs
- (b) Rivers: running water body such as rivers, drainage canals, irrigation canals which also cover creeks, streams and other linear water bodies
- (c) Floodplains/rice fields: seasonally flooded areas including paddy fields
- (d) Reservoirs: artificial impoundments of water used for irrigation, flood control, municipal water supplies, recreation, hydroelectric power generation, and so forth
- (e) Others: any water bodies other than the above; Peri-urban wetland is included in this category

3) Production by type of fisheries

Inland fishery is quite diverse in its involvement of different groups of people, the scale of operation and the types of gear/boat used, as well as in its seasonal variation. As available records would allow, the statistics under the Framework should try to reflect such variations.

- (a) Categories of scale:
 - Commercial
 - Family/small-scale
 - Household occasional fishing

- (b) Categories of application/seasonality/licensing:
 - Fishing lots/Leasable fisheries and other types of licensed fisheries and/or areas for (commercial) fishing
 - Dai fisheries (term used to exemplify the national/regional importance of specific type of fisheries)
 - Community fisheries and other rights-based fisheries at village level
 - “On farm” fishing, fishing in rice fields, etc.
- (c) Categories of equipment/gear/boat:
 - Set nets/traps
 - Gear operated from boats
 - Mobile gear/hand line/hooks/etc.

c. Fishers

c.1 Coverage of Fishers

The statistics on fishers for inland capture fishery are generally obtained from the respective National Fishery Census (or Agricultural Census). Statistics on fishers cover fishers engaged in inland capture fishery while persons operate fishing in marine area as well as any type of aquaculture should be excluded.

c.2 Classification of Fishers

Fishers in this section are mostly rural people who, in one way or another, seasonally or the whole year, full-time or part-time, are involved in activities related to the catch and collection of aquatic organisms in inland water bodies. Some of the information/statistics related to household occasional fishing could also be found in other sources of statistics that are available at fisheries agencies.

As far as possible, the relative involvement of people in fishing should be reported to reflect the importance of inland fisheries to the countries, whether nationally, locally, seasonally as well as for rural livelihood in general. Fishers/people involved in fishing could be classified into:

- (a) Full-time fishers
- (b) Part-time fishers (including seasonally full-time fishers)
- (c) Occasional fishing by household members (which could be a daily exercise)

2.3.2 Statistics on Aquaculture

a. Coverage and Definition

Aquaculture means the farming of aquatic organisms including fish, mollusks, crustaceans, echinoderms, and aquatic plants. Farming implies some forms of intervention in the rearing process to enhance production, such as regular stocking, feeding and protection from predators, etc. Farming also implies individual or cooperate ownership of or rights resulting from contractual arrangements to the stock being cultivated primarily for livelihood and business activities. For statistics purposes, aquatic organisms harvested by an individual or corporation, which has owned them throughout their rearing period, contribute to aquaculture; whereas aquatic organisms exploited by the public as a common property resources, with or without appropriate licenses, are the capture fisheries.

Considering the different ecology and resources in aquaculture, the statistics on aquaculture could be classified into three sub-sectors, namely: mariculture, brackishwater culture, and freshwater culture. The distinction between these categories should be based on culture environment where the aquatic organism is farmed or cultivated. Considering aquaculture production, some aquatics species can be cultured in various environments, *e.g.* Java barb, tilapia, milkfish, etc., its production then could be reported in more than one sub-sector.

1) Mariculture

The farming or growing-out of aquatic animals/plants takes place in full seawater. This includes the culture of groupers, milkfish and other marine fishes in sea cages offshore or in coral reef coves; abalone and giant clams in coral reefs; seaweeds in longlines along the sea coasts; oysters in longlines.

2) Brackishwater culture

The farming or growing-out of aquatic animals/plants takes place in estuaries, river mouths, mangrove lagoons or in ponds with seawater. This includes culture of groupers and other fishes in cages; milkfish and penaeid shrimps in ponds; mud crab in pens in mangroves; oysters, mussels and other bivalves in estuaries.

3) Freshwater culture

The farming or growing-out of aquatic animals/plants takes place in lakes, reservoirs, rivers, rice fields, small farm impoundments or in freshwater ponds. This includes culture of carps, tilapias and other freshwater fish species in reservoirs, lake cages, and ponds; catfishes in ponds; freshwater prawns in ponds.

b. Aquaculture Production**b.1 Unit of Measurement****1) Production in quantity**

Production in quantity represents the weight at farm gate. Production in quantity should be reported in metric tons, except those expressed in numbers. If production is reported in kilograms, this should be converted into metric tons estimated by rounding off to the nearest hundredths.

2) Production in value

Production in value represents the producers' price at farm gate. It is generally estimated by multiplying the quantity of production by the farm gate price by species. In reporting production in value, the amount reported in the national currencies should be converted to US\$.

b.2 Statistics on Aquaculture Production

Aquaculture production means the output of farmed aquatic organisms either for final consumption or as raw materials for transformation into other products or for trade. It includes commodities quantified by numbers rather than by weight such as ornamental fishes and hatchery outputs. The statistics on production could be classified into the following categories:

1) Production by culture environment

The statistics on production should be based on the culture environment where the aquatic organism was cultivated, such as mariculture, brackishwater culture and freshwater culture. One species can be reported in more than one type of environment depending on its tolerance and the culture status in each country.

2) Production by species

Production from aquaculture could be broken down by species from all types of culture environments in the Southeast Asian region. The list of species is provided in *Appendix 3* and could be referred to from the List of Aquatic Animals and Plants in Southeast Asia.

3) Production by methods of culture

To facilitate aquaculture management, the production statistics should be reported by methods of culture such as ponds, pens, paddy field or paddy cum fish, etc. The definition of each method is described below:

- (a) Ponds and tanks: artificial units of varying sizes constructed above or below ground level capable of holding and interchanging water
- (b) Pens: water areas confined by net, mesh and other barriers allowing uncontrolled water column between substrate and surface; where pens and enclosures will generally enclose a relatively large volume of water

- (c) Cages: open or covered enclosed structures constructed with net, mesh, or any porous material allowing natural water interchange. These structures may be floated, suspended, or fixed to the substrate but still permitting water interchange from below
- (d) Paddy fields: paddy fields used for rice and aquatic organisms; rearing them in rice paddies to any marketable size
- (e) Others: methods other than the above; rafts, ropes, stakes are included in this category

c. Artificial Seed Production

The statistics on artificial seed production is presented in order to assess the recruitment in aquaculture and facilitate management purpose. Production could be reported by species in terms of the number of larvae, fingerlings, juveniles, etc., used that focuses on two main objectives, *i.e.* for wild stock enhancement and aquaculture practices. As part of wild stock enhancement, production covers both the number released to a controlled environment and to the wild; whereas production for aquaculture practices covers seed stocks for mariculture, brackishwater culture and freshwater culture.

d. Aquaculture Unit

Aquaculture unit refers to a management unit, which operates aquaculture in marine, brackishwater and freshwater areas. The term covers both economic units (companies) and households conducting activities in culturing aquatic organisms. In Southeast Asian countries, the use of this term varies from country to country, *e.g.* fishing establishments in Indonesia, farms in Singapore and Thailand.

e. Area under Culture

Area under culture can be referred to as the net area and gross area. Net area refers to the areas of the culture facilities but limited to the water surface area, whereas gross area refers to the culture facilities, including not only the water surface area but also the area of the dike surrounding the water area. For ponds and cages, the area under culture should be reported both in net area and gross area, while for the other culture methods, this could be reported only as net area. The number of culture facilities should also be reported in order to facilitate aquaculture management.

f. Fish Farmers

Fish farmers (or aquaculture workers) under this item, refer to persons who are engaged in aquaculture activities such as people working in farms, hatcheries, and employed in shellfish culture operations, maintenance of aquaculture facilities, water supply, feeding, etc. As the number of fish farmers engaged in aquaculture often varies according to the season such as harvesting or construction of the aquaculture facilities, only the fish farmers who are engaged full-time in aquaculture are counted in reporting the statistics on the number of fish farmers.

2.3.3 Statistics on Fish Price

a. Coverage

Statistics on fish price cover aquatic organisms in the form of fresh fish only, which includes marine and freshwater species, but excluding processed fish.

b. Definition of Price

Statistics on price refer to products' price, considered as average weighted price which is realized at wholesale markets or in landing centers where producers sell their catches (applicable in some countries in the region). The price is determined (there) by means of auction, negotiation between producers and wholesalers and middlemen, etc., which can also be used to estimate the total production in value.

c. Unit of Price

The products' price has been reported in US\$ per kilogram of fresh fish by species. The figure includes two digits after the decimal point by rounding off to the nearest hundredths.

Appendix 1**CLASSIFICATION OF FISHING AREAS**

The fishing areas of the Southeast Asian region, established for fishery statistical purposes, consist of inland and marine fishing areas, which is consistent with the definition and classification of capture fishery. They are standardized in accordance with the FAO Major Fishing Areas, the boundaries of which were determined in consultation with international fishery agencies taking into account various considerations, including:

- (i) The boundary of national regions and the natural divisions of oceans and seas;
- (ii) The boundary of adjacent statistical fisheries bodies already established in inter-governmental conventions and treaties;
- (iii) Existing national practices;
- (iv) National boundaries;
- (v) The longitude and latitude grid system;
- (vi) The distribution of the aquatic fauna; and
- (vii) The distribution of the resources and the environmental conditions within an area.

1. Inland Fishing Areas

All inland waters of Southeast Asian countries are identified under the Area 04 (Asia, Inland Water). There is no sub-area that is recognized for the collection of catch and effort data for the Southeast Asian region. The data presented by Lao PDR, which is the sole landlocked country in the region, are therefore reported under Area 04 only.

2. Marine Fishing Areas

The marine fishing areas of the Southeast Asian countries are identified under Area 57 (Indian Ocean, Eastern), Area 71 (Pacific, Western Central) and Area 61 (Pacific, Northwest). Countries and their sub-areas to be used in marine fishery statistics are as follows:

Countries	Sub-areas for marine fishery statistics	FAO Marine Fishing Area	SEAFDEC Sub-area
a) Brunei Darussalam		71	71i
b) Cambodia		71	71b
c) Indonesia		57,71	
	West Sumatra	57	57e
	South Java	57	57e
	Malacca Strait	57,71	57d, 71k
	East Sumatra	71	71k
	North Java	71	71k
	Bali-Nusa Tenggara	57	57f, 71k
	South-West Kalimantan	71	71k
	East Kalimantan	71	71k
	South Sulawesi	71	71k
	North Sulawesi	71	71k
	Maluku-Papua	71	71k

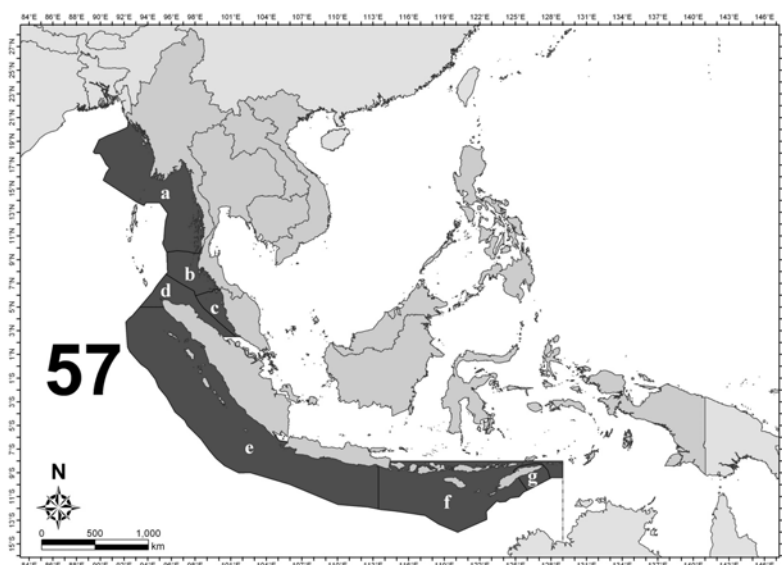
Countries	Sub-areas for marine fishery statistics	FAO Marine Fishing Area	SEAFDEC Sub-area
d) Malaysia			
	West Coast of Peninsula Malaysia	57	57c
	East Coast of Peninsula Malaysia	71	71e
	Sarawak	71	71f
	Sabah (including Labuan)	71	71g
e) Myanmar		57	57a
f) Philippines		71	71j
	Luzon	71	71j
	Visayas	71	71j
	Mindanao	71	71j
g) Singapore		71	71h
h) Thailand		57,71	
	Gulf of Thailand	71	71a
	Indian Ocean	57	57b
i) Viet Nam		61,71	
	North Viet Nam	61	61a
	Central Viet Nam	61	61b
	Southwest Viet Nam	71	71c
	Southeast Viet Nam	71	71d

Area 57 (Indian Ocean, Eastern)

Under fishing Area 57, marine fishery statistics such as production, species, fishing gears, fishing vessels, fishing units, etc., will be collected and reported within the Exclusive Economic Zone (EEZ) of each country.

To facilitate the reporting fishery statistics by each country, the fishing area in the Southeast Asian region can be divided into 6 sub-areas under which correspond to the existing EEZs of Myanmar, Thailand, Malaysia and Indonesia. The sub-areas under Area 57 are as follow:

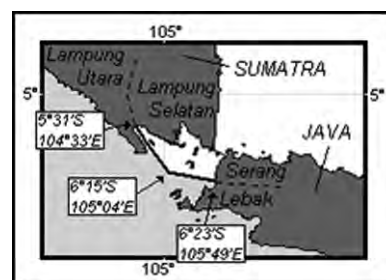
- Sub-area 57a: Marine fishing area of Myanmar
- Sub-area 57b: Marine fishing area of Thailand (Indian Ocean)
- Sub-area 57c: Marine fishing area of Malaysia (West Coast of Peninsula Malaysia)
- Sub-area 57d: Marine fishing area of Indonesia (Malacca Strait)
- Sub-area 57e: Marine fishing area of Indonesia (West Sumatra and South Java)
- Sub-area 57f: Marine fishing area of Indonesia (Bali-Nusa Tenggara)



Sub-areas of the fishing Area 57, Indian Ocean, Eastern

Boundary between Area 57 and 71

1. At the Strait of Malacca, the areas bounded by a line commencing from East Sumatra and across the strait at 2° 30' N latitude to meet the West Coast of Peninsular Malaysia.
2. At marine waters between Sumatra and Java, the areas bounded by a line commencing on the coast of Sumatra at the boundary between the District of Lampung Utara and the District of Lampung Selatan at 5°31' S latitude, 104°33' E longitude. The boundary is running along a rhomb line between Cape Tjuku Redak on the mainland of Sumatra and Cape Batu Kebucung on the Island of Tebuan to the position 6° 15' S latitude, 105° 04' E longitude; then along a rhomb line between Cape Parat on the Island of Panaitan and the southeastern tip of the Island of Rakarta to the western coast of Java at the boundary between the District of Lebak and the District of Serang at 6° 23' S latitude, 105° 49' E longitude.
3. At marine waters of Java and Bali-Nusa Tenggara, the areas bounded by a line commencing from 8°00' S latitude starting from the coast of South Java at Surabaya and running east to meet at 129°00' E longitude; thence running due south until meet northern coast of Australia. The area under the line is recognized as the fishing Area 71. The area above the line is accepted as fishing Area 57.



Boundary line for the Area 57 and 71 at the marine waters between Sumatra and Java

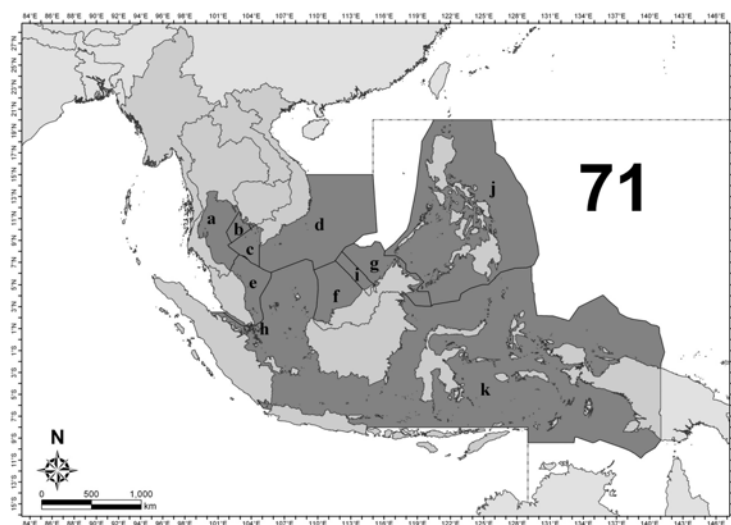


Boundary line for the Area 57 and 71 at the marine waters of South Java and Bali-Nusa Tenggara

Area 71 (Pacific, Western Central)

Under fishing Area 71, marine fishery statistics such as production, species, fishing gears, fishing vessels, fishing units, etc., will be collected and reported within the Exclusive Economic Zone (EEZ) of each country. There are 8 Southeast Asian countries identified under fishing Area 71, namely Brunei Darussalam, Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand and Viet Nam. To facilitate reporting fishery statistics by each country, the fishing area can be divided into 11 sub-areas, corresponding to the existing EEZ of these countries. The sub-areas under Area 71 are as follows:

- Sub-area 71a: Marine fishing area of Thailand (Gulf of Thailand)
- Sub-area 71b: Marine fishing area of Cambodia
- Sub-area 71c: Marine fishing area of Viet Nam (Southwest Viet Nam)
- Sub-area 71d: Marine fishing area of Viet Nam (Southeast Viet Nam)
- Sub-area 71e: Marine fishing area of Malaysia (East Coast of Peninsular Malaysia)
- Sub-area 71f: Marine fishing area of Malaysia (Sarawak)
- Sub-area 71g: Marine fishing area of Malaysia (Sabah)
- Sub-area 71h: Marine fishing area of Singapore
- Sub-area 71i: Marine fishing area of Brunei Darussalam
- Sub-area 71j: Marine fishing area of Philippines (Luzon, Visayas, Mindanao)
- Sub-area 71k: Marine fishing area of Indonesia (East Sumatra, North Java, Bali-Nusa Tenggara, South-West Kalimantan, East Kalimantan, South Sulawesi, North Sulawesi, Maluku-Papua)

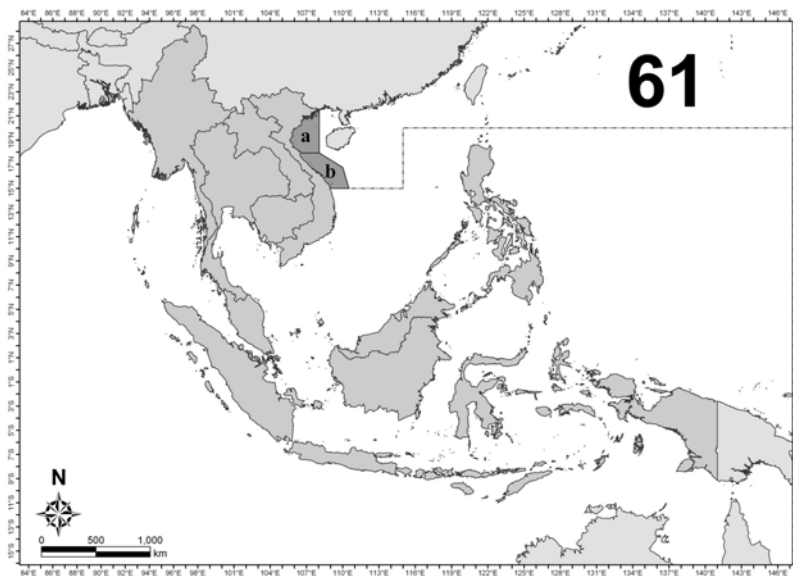


Sub-areas of the fishing Area 71, Pacific, Western Central

Area 61 (Pacific, Northwest)

Under fishing Area 61, the marine fishery statistics such as production, species, fishing gears, fishing vessels, fishing units, etc., will be collected and reported within the Exclusive Economic Zone (EEZ) of each country. There is only one country identified under fishing Area 61, which is Viet Nam. The fishing area can be divided into 2 sub-areas as follows:

- Sub-area 61a: Marine fishing area of Viet Nam (North Viet Nam)
- Sub-area 61b: Marine fishing area of Viet Nam (Central Viet Nam)



Sub-areas of the fishing Area 61, Pacific, Northwest

CLASSIFICATION OF SMALL-SCALE AND COMMERCIAL FISHERIES

Due to different legal definitions used by each country, the following table shows the classification of small-scale and commercial fisheries of countries in the region.

Countries	Small-scale Fisheries	Commercial Fisheries
Brunei Darussalam	Small-scale/artisanal fisheries: Operating in all zones but concentrating in Zone 1 (0-3 nm)	Trawler, seiner, long liner a) <60 GT; <350 Hp operating in Zone 2 b) 60.1-150 GT; 351-600 Hp operating in Zone 3 c) 151-200 GT; 600-800 Hp operating in Zone 4
Cambodia	Coastal fisheries, small-scale fisheries with/without engine (from 5-50 Hp) operating in Zone 1	Commercial fisheries: more than 50 Hp operating in Zone 2
Indonesia	Fisheries that its operation without using boat, using non-power boat, using outboard motor size <5 GT, or inboard motor size <5 GT	a) Fisheries that its operation using outboard motor size 5-30 GT or inboard motor size 5-30 GT b) Fisheries that its operating using outboard motor size \geq 30 GT
Lao PDR	-	-
Malaysia	Traditional fisheries: small-scale fisheries using traditional fishing gears (<i>i.e.</i> other than trawls and purse seines) with vessel less than 40 GRT operating in all zones concentrating in Zone 1	Commercial fisheries: Medium and large-scale fisheries using commercial fishing gears such as trawls and purse seines a) With vessels less than 40 GRT operating in Zone 2 b) With vessels from 40-70 GRT operating in Zone 3 c) With vessels above 70 GRT operating in Zone 4
Myanmar	Coastal fisheries: vessels of less than 30 ft or using less than 12 Hp engine operating in Zone 1	Industrial fisheries: vessels more than 30 ft or using more than 12 Hp engines operating in Zone 2
Philippines	Municipal fisheries: small-scale fisheries with vessels of less than 3 GT operating in Zone 1 and 2	Commercial fisheries: a) Small-scale commercial fisheries: from 3.1-20 GT vessels operating in Zone 2; can also operate within 10.1-15 km (within Zone 1) if authority is granted by the concerned local government unit (LGU) b) Medium-scale commercial fisheries: from 20.1-150 GT operating in Zone 2; can also operate within 10.1-15 km (within Zone 1) if authority is granted by the concerned local government unit (LGU) c) Large-scale commercial fisheries: more than 150 GT operating in Zone 2
Singapore	Small-scale fisheries with vessels of less than 3 GT operating in Zone 1	Large-scale commercial fisheries: Inboard engine less than 50 GT or 380 Hp operating in Zone 2
Thailand	Small-scale fisheries: vessels of less than 5 GT operating in Zone 1	Large-scale fisheries: vessels of more than 5 GT operating in Zone 2
Viet Nam	Small-scale fisheries: vessels with no engine and with engine but less than 40 Hp	Large-scale fisheries: vessels with engine more than 40 Hp

Fishing Zones of Countries in Southeast Asia:

Countries	Fishing Zone 1	Fishing Zone 2	Fishing Zone 3	Fishing Zone 4
Brunei Darussalam	From shore line to 3 nm	From 3 nm to 20 nm	From 20 nm to 45 nm	From 45 nm to EEZ limit
Cambodia	From shore line to 20 m depth	From 20 m depth to EEZ limit		
Indonesia	From shore line to 4 nm	From the outer limit of first fishing zone to 12 nm from shore	From the outer limit of second fishing zone to EEZ limit	
Malaysia	From shore line to 5 nm	From 5 nm to 12 nm	From 12 nm to 30 nm	From 30 nm to EEZ limit
Myanmar	From shore line to 5 nm in the northern area, 10 nm in the southern area	From outer limit of first fishing zone to EEZ limit		
Philippines	From shore line to 15 km	From 15 km to EEZ limit		
Singapore	From shore line to within Port Limits	From 12 nm to EEZ limit		
Thailand	From shore line to 12 nm	From 12 nm to EEZ limit		
Viet Nam	From shore line to 30 m depth in Northern and Southern areas, to 50 m depth in Central area	From 30 to 50 m depth to the EEZ limit		

LIST OF AQUATIC ANIMALS AND PLANTS

For the statistics on production of capture fishery and aquaculture in the Southeast Asian region, broken down into species, the International Standard Statistical Classification of Aquatic Animals and Plants (ISSCAAP) developed by Coordinating Working Party on Fishery Statistics (CWP) will be used as basis to develop the Regional Standard Statistic List of Aquatic Species, which focused on the species available and distributed in the region.

For capture production, since some aquatic animals particularly diadromous species may be caught in both marine and inland waters, the statistics will be reported in two parts of capture fisheries. Regarding aquaculture production since some aquatic species can be cultured in more than one culture environment, production can then be reported based on where the species are cultured.

The ISSCAAP applied for the region is as follows:

Code	Group of Species
1	Freshwater fishes
11	Carps, barbels and other cyprinids
12	Tilapias and other cichlids
13	Miscellaneous freshwater fishes
2	Diadromous fishes
22	River eels
24	Shads
25	Miscellaneous diadromous fishes
3	Marine fishes
31	Flounders, halibuts, soles
33	Miscellaneous coastal fishes
34	Miscellaneous demersal fishes
35	Herring, sardines, anchovies
36	Tunas, bonitos, billfishes
37	Miscellaneous pelagic fishes
38	Sharks, rays, chimaeras
39	Marine fishes not identified
4	Crustaceans
41	Freshwater crustaceans
42	Crabs, sea-spiders
43	Lobsters, spiny-rock lobsters
45	Shrimps, prawns
47	Miscellaneous marine crustaceans
5	Mollusks
51	Freshwater mollusks
52	Abalones, winkles, conchs
53	Oysters
54	Mussels
55	Scallops, pectens
56	Squids, cuttlefishes, octopuses
57	Miscellaneous marine mollusks

7	Miscellaneous aquatic animals
71	Frogs and other amphibians
72	Turtles
73	Crocodiles and alligators
76	Sea-urchins and other echinoderms
77	Miscellaneous aquatic invertebrates
8	Miscellaneous aquatic animal products
81	Pearls, mother-of-pearl, shells
82	Corals
83	Sponges
9	Aquatic plants
91	Brown seaweeds
92	Red seaweeds
93	Green seaweeds
94	Miscellaneous aquatic plants

CLASSIFICATION OF FISHING GEARS

For the statistics on fishing units and marine capture production, broken down into types of fishing gear, the classification of fishing gears should be used as follows:

Major Group	Minor Group	Standard Abbreviation	ISSCFG Code
1.Purse seine		PS	01.1.0
	1.1 Anchovy purse seine	-	-
	1.2 Fish purse seine	-	-
2.Seine Net		SX	02.9.0
	2.1 Boat seine	SV	02.2.0
	2.2 Beach seine	SB	02.1.0
3.Trawl		TX	03.9.0
	3.1 Beam trawl	TBB	03.1.1
	3.2 Otter board trawl	OT	03.4.9
	3.3 Pair trawl	PT	03.5.9
4.Lift net		LN	05.9.0
5.Gill net		GN	07.9.1
6.Trap		FIX	08.9.0
	6.1 Stationary trap	-	-
	6.2 Portable trap	-	-
7.Hook and lines		LX	09.9.0
8.Push/Scoop net		-	-
9.Shellfish and seaweed collecting gear		-	-
10.Others		MIS	20.0.0

Types of Fishing Gears and Definitions

1. Purse seine

A net roughly rectangular in shape without a distinct bag is set vertically in water, to surround the school of fish with purse line, generally of pelagic nature.

Actually, this group of fishing gear called 'Surrounding Net', which is sub-divided into three major groups, *i.e.*: a) one boat purse seine; b) two-boat purse seine; and c) surrounding net without a purse line. However, in term of fishery statistics, no countries in the region collect the data in such individual groups. Thus, purse seine is the only gear of surrounding net which collect data without detail in one or two-boat operations. However, countries in the region agreed to separately report production from: a) Anchovies purse seine; and b) Fish purse seine.

2. Seine net

A bag shaped net with two wings, normally; the wings are larger than those of trawls nets. The net is pulled towards a stationary boat or onto a beach. A seine net of primitive nature sometimes does not have a bag. Insofar as the net is pulled towards a stationary boat or beach, it is included herein. The seine net is sub-divided into two minor groups: a) Boat seine; and b) Beach seine.

2.1 Boat seine

Boat seine consists of two wings, a body and a bag, which is similar to that of trawls. Operated from a boat, they are generally used on the bottom, where they are hauled by two ropes, usually very long, set in the water so as to ensure that as many fish as possible are driven or herded towards the opening of the net. Danish seine is also included herein.

2.2 Beach seine

Beach seine is a simple fishing gear; one end of the wing is held by a group of fishermen on the shore, the net is first set at right angle to the seashore and the direction of the net setting turns gradually towards the shore. After setting all the net, the towing line of the wing is laid out and the boat runs toward the shore providing a certain distance between the landing and setting points. Then, from the two ends of the wings, the buoy line and the sinker line are hauled to catch the fish.

3. Trawl

A conical bag shaped-net with two or more wings, pulled by one to two boats for a period of time, to catch mainly fish or other aquatic animals that live directly on or stay near the sea bed. When such a gear is used in mid-water with the same catching mechanism, the mid-water trawl is included under this group. The trawl is also sub-divided into three minor groups: a) Beam trawl; b) Otter board trawl; and c) Pair trawl.

3.1 Beam trawl

The main feature of this trawl is a beam, mostly made of iron. Its purpose is to spread the netting. Sometimes a heavy beam is supported by steel shoes at each end which run over the sea bed. A ground rope and a head rope are joined together to the cement ski that works as a bobbin. The principle catch of beam trawl are shrimps, therefore the mesh size is relatively small. The mesh size of beam trawl also depends on the target species.

3.2 Otter board trawl

Otter boards are used for horizontal spreading of the net mouth. Most otter trawl nets consist of two panels; this is called a 'two-seam net'. The mouth is oval-shaped when viewed from front. Two wings stretch out to increase the swept area and to guide the fish in the net's path down to the cod-end.

3.3 Pair trawl

Pair trawl means this net is towed by two boats. In pair trawling, the net mouth is kept open by outward towing of the two boats, which always try to keep the same distance between them during operation. The otter boards are not necessary, the arrangement of gear has been simplified, the wrap is connected directly to the sweep lines, the other is joined to a triangular iron frame at the end of Gridles from each wing of the net.

4. Lift net

A sheet of net, usually square, but may sometimes be conical, is stretched by several rods, ropes, or a frame and is set either at the bottom or in mid-water for some time and then lifted to trap the fish swimming above it. Both stationary lift nets and portable lift nets are included herein.

5. Gill net

A net wall, with its lower end weighted by sinkers (or heavy net, as in drift gill net) and the upper end raised by floats, is set across the path of migrating fish. Fish trying to make their way through the net wall are gilled or entangled in the mesh. The trammel net with two to three wall nets is also included herein. The migrating fish are entangled between two layers of nets and not in the mesh where a combination of different types of nets are used.

6. Trap

Trap referred to a gear that is set or stationed in the water for a certain period, regardless of the kind of materials used of their construction. The fish are naturally confined in a collecting unit from which escape is prevented by labyrinths

and/or retarding devices such as gorges, funnels, etc. without any active fishing operation taking place. Trap is also sub-divided into two minor groups: a) Stationary trap; and b) Portable trap.

6.1 Stationary trap

Considering its operation, this group of trap is stationed in the water for long period at least until the end of fishing season. Most of stationary gear is operated in relation to water current. Stationary trap covers bamboo stake trap, bamboo fence trap, set net, bag net, etc.

6.2 Portable trap

Trap is portable, designed in form of cages or basket. It can be made of various materials such as wood, bamboo, metal rods, wire netting, etc. It is used with or without bait depending on the target species. Fish trap, crab trap, shrimp trap are included herein.

7. Hook and lines

This gear generally consists of line(s) and hook(s) where natural or artificial baits are hooked to attract fish or other aquatic animals. Unbaited hook or a jig may also be used.

8. Push/Scoop net

A bag net with a fixed or variable opening is operated in shallow waters or from boats. Some large-scale scoop nets are operated from a motorized boat such as the boat push net.

9. Shellfish and seaweed collecting gear

All manual gears and complex devices which are used for collecting shellfish and seaweeds, regardless of the type of materials used for their construction. While the manual gear are operated by an individual, some of the more complex devices such as cockle dredge, clam dredge, etc. need a motor boat for their operation.

10. Others

This group of fishing gear covers the great variety of other fishing gears and methods which are not specified elsewhere, including cast net drive-in-net, muro ami, harpoon, etc.

Appendix 5**CLASSIFICATION OF FISHING BOATS**

To compile the statistics on the fishing units considering the existing fishing operations in the region, the Regional Classification of Fishing Boats by Type of Boats and size of boats is referred to provide figures of the fishing vessel as follows:

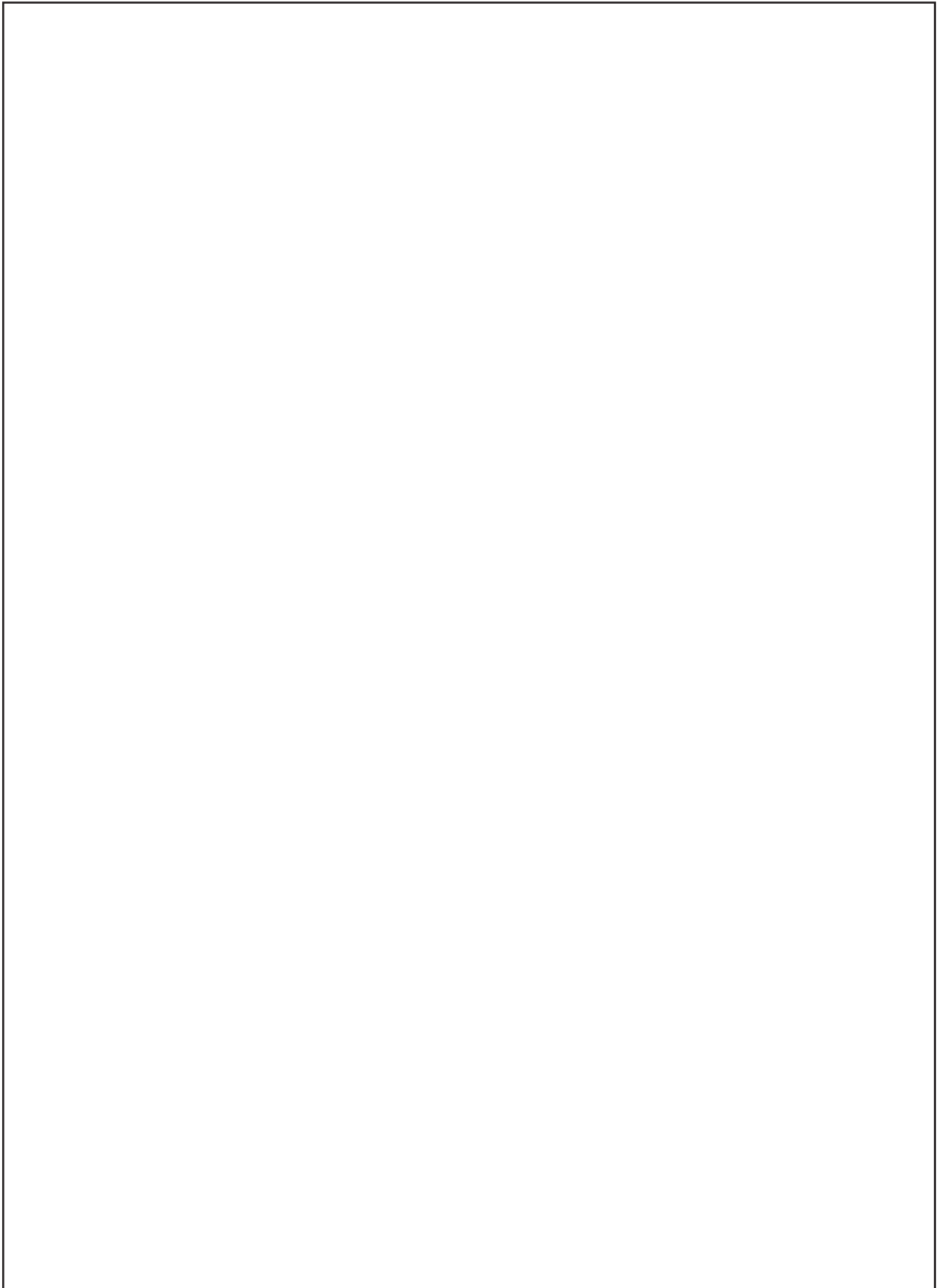
Type of Boat		Size of Boat
First level	Second level	
1. Non-powered boat		
2. Powered boat		
	2.1 Out-board powered boat	
	2.2 In-board powered boat	Less than 5 GT
		5-9.9 GT
		10-19.9 GT
		20-49.9 GT
		50-99.9 GT
		100-199.9 GT
		200-499.9 GT
		More than 500 GT

*Appendix 6***CLASSIFICATION OF FISHERS AND FARMERS**

To compile statistics on the number of fishers by sub-sectors of fisheries and working status, the classification of fishers and farmers will be used as follows:

Main Category	Sub-sectors	Working Status
1. Fishers (engaged in fisheries)	1.1 Marine capture fisheries	Full-time fishers
		Part-time fishers
	1.2 Inland capture fisheries	Full-time fishers
		Part-time fishers
		Occasional fishing by household members
2. Farmers (engaged in aquaculture)	2.1 Mariculture	
	2.2 Brackishwater culture	
	2.3 Freshwater culture	

II
SUMMARY 2020



OVERVIEW OF THE FISHERIES SECTOR OF SOUTHEAST ASIA IN 2020

Fish and fishery products are becoming increasingly important as primary sources of protein for many peoples in the world, most especially for those in the Southeast Asian region. During the past decade, the region's production from capture fisheries and aquaculture had been considerably increasing. Recently, many Southeast Asian countries are among the highest producers of fish and fishery products in the world. This publication is therefore intended to provide a glimpse of the increasing contribution of Southeast Asia's fishery and aquaculture production to the world's food fish basket. Based on the data and statistics provided by the Southeast Asian countries for the year 2020, the SEAFDEC Secretariat compiled and analyzed the relevant information for this publication. Of the 11 countries that comprise the Southeast Asian region, namely: Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Timor-Leste, Thailand, and Viet Nam, only ten countries are covered in this publication as Timor-Leste is not the Member Country of SEAFDEC and has not yet been providing its fishery statistics and information to the SEAFDEC Secretariat.

I. TOTAL FISHERY PRODUCTION OF SOUTHEAST ASIA

From 2016 to 2020, the worldwide trend of fishery production from both capture fisheries and aquaculture (**Table 1**) had been steadily increasing at an average rate of 3.8 million MT per year or about 1.9 % annually. Countries from Asia (excluding Southeast Asia) are among the major fish producers during the past five years, contributing about 53.3 % to the total fishery production in 2020. In the Southeast Asian region, fishery production increased from 45.3 million MT in 2016 to 46.2 million MT in 2020 with an annual average increase rate of 0.23 million MT or 0.5 %, while the region's total contribution to the world's total fishery production in 2020 was approximately 21.6 %. Such feat had been achieved through the intensified efforts of the governments of the Southeast Asian countries to promote responsible fishing practices and sustainable management of the fishery resources, and also because the countries were adhering to the new paradigm of change in fisheries management which is geared towards sustainability.

*Table 1. Fishery production by continent from 2016 to 2020 (million MT)**

	2016	2017	2018	2019	2020
World	199.0	206.4	213.4	213.7	214.1
Africa	11.5	12.3	12.5	12.5	12.2
America	20.0	21.4	24.5	22.4	22.4
Asia**	103.5	107.5	109.7	112.9	114.1
Southeast Asia***	45.3	45.5	46.5	46.8	46.2
Europe	17.0	18.1	18.4	17.3	17.4
Oceania	1.7	1.6	1.8	1.8	1.8

* Source (except for Southeast Asia): FAO FishStat Plus-Universal Software for Fishery Statistical Time Series

** Excludes Southeast Asia

*** Source: Fishery Statistical Bulletin of Southeast Asia (SEAFDEC, 2023)

As shown in **Table 2**, the fishery production of Southeast Asia from 2016 to 2019 exhibited a continuous increasing trend especially in terms of quantity although the increase in terms of value were quite unstable, and the fishery production in terms of quantity and value slightly decreased in 2020. The annual average increase in quantity from 2016 to 2020 was about 0.5 %, while the annual average rate of increase of the value was about 5.0 %. However, since some countries were not able to provide the value of their respective fishery production for 2020, such figures could be indicative only. Nevertheless, the figures still imply that in addition to the increasing quantity, most of the regional fishery commodities harvested were of high value. By country, Indonesia reported the highest fishery production in 2020 in terms of quantity accounting for

about 47.2 % of the total fishery production of Southeast Asia, followed by Viet Nam contributing about 18.7 %, and Myanmar at 13.0 %. The Philippines ranked fourth accounting for 9.5 %, Thailand at 5.2 %, Malaysia at 3.9 %, and Cambodia at 2.0 %. The contributions of Lao PDR, Brunei Darussalam, and Singapore to the fishery production of Southeast Asia in 2020 were minimal in terms of quantity.

In terms of value, Indonesia accounted for about 51.8 % of the total value of the region's fishery production with Myanmar emerging second contributing about 20.1 %, and the Philippines came in third contributing about 10.8 %. Meanwhile, Thailand which ranked fourth in terms of quantity and value contributed about 10.4 %, and Malaysia which ranked fifth in terms of production quantity as well as value accounted for 6.7 %. The trend of the fishery production of the Southeast Asian countries in 2016–2020 is shown in **Figure 1**.

Table 2. Total fishery production of Southeast Asia by quantity and value (2016-2020)

Total Fishery Production	2016	2017	2018	2019	2020
Quantity (MT)	45,336,010	45,496,587	46,539,195	46,766,274	46,223,147
Value (US\$ 1,000)	41,155,302*	50,564,226*	51,811,317*	55,045,395*	48,650,184*

* Data not available from Cambodia, Lao PDR, and Viet Nam

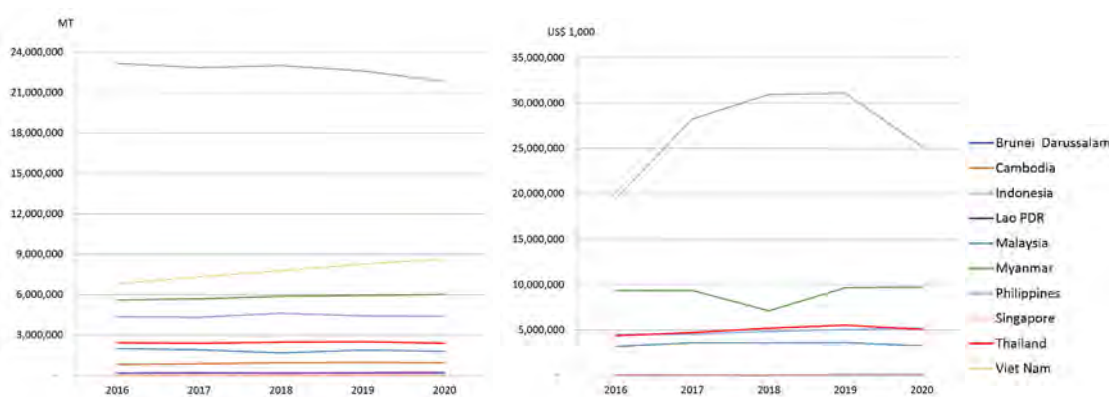


Figure 1. Fishery production of the Southeast Asian countries in 2016–2020 by quantity (MT) (left) and value (US\$ 1,000) (right)

The fishery production of Southeast Asia was categorized into three subsectors, namely: marine capture fisheries, inland capture fisheries, and aquaculture. By subsector, the total fishery production of the region in 2020 as shown in **Table 3** and **Figure 2** indicated that the largest portion of the production quantity was derived from aquaculture accounting for approximately 54 %, followed by marine capture fisheries at about 39 %, and inland capture fisheries at 7 %. In terms of production value, marine capture fisheries accounted for 51 %, aquaculture at 41 %, and inland capture fisheries at 8 %. While the value per metric ton of marine capture fishery production was about US\$ 1,705/MT, those from inland capture fisheries and aquaculture were about US\$ 1,677/MT and US\$ 1,022/MT, respectively. This implies that the global market had started to recognize the value of aquatic products from inland capture fisheries, and had been patronizing such products lately.

Table 3. Production of fishery subsectors of Southeast Asia in 2020 by quantity (MT) and value (US\$ 1,000)

Sub-sector	Quantity (MT)	Value * (US\$ 1,000)	Value/Quantity** (US\$/MT)
Marine capture fishery	18,216,855	24,547,054	1,705
Inland capture fishery	3,059,714	3,991,213	1,677
Aquaculture	24,946,578	20,111,917	1,022
Total	46,223,147	48,650,184	

* Data not available from Cambodia, Lao PDR, and Viet Nam

** Computation of price excludes corresponding quantity production from Cambodia, Lao PDR, and Viet Nam

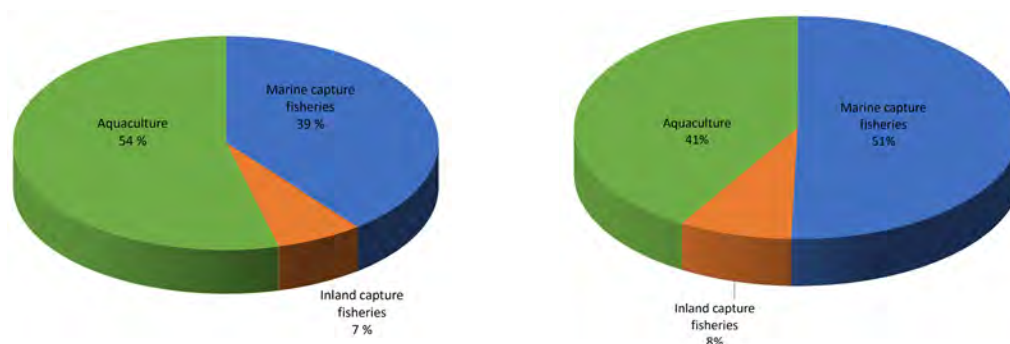


Figure 2. Proportion (%) of production of fishery subsectors of Southeast Asia in 2020 by quantity (left) and value (right)

II. MARINE CAPTURE FISHERY PRODUCTION OF SOUTHEAST ASIA

The region's production from marine capture fisheries in 2016–2020 had been generally increasing as shown in **Table 4**. However, in terms of quantity, the annual average increase from 2016 to 2018 was only minimal at about 3.8 %, but with a slight decrease from 18.33 MT in 2018 to 18.17 MT in 2019 due to the decreased production of Indonesia and the Philippines in 2019, and a slight increase in 2020 at about 0.3 %. While the production value during 2016–2020 indicated that the total value of the region's marine capture fisheries production had increased corresponding to the increasing trend of the quantity of production from 2016 to 2019 with the annual average increase had been very high at about 14.1 %, but with a slight decrease from US\$ 29.3 million in 2019 to US\$ 24.5 million in 2020 due to the considerable decrease in the value of the production from Indonesia, Malaysia, Singapore, and Thailand.

Table 4. Marine capture fishery production of Southeast Asia in 2016–2020 by quantity (MT) and value (US\$ 1,000)

Marine Capture Fishery Production	2016	2017	2018	2019	2020
Quantity (MT)	17,027,312	17,330,277	18,330,325	18,167,839	18,216,855
Value (US\$ 1,000)	19,939,678*	25,292,021*	28,122,606*	29,343,867*	24,547,054*

* Data not available from Cambodia and Viet Nam

In terms of quantity, the total production from marine capture fisheries of the Southeast Asian countries during 2016–2020 indicated that Indonesia contributed the highest quantity to the region's total production. Specifically, in 2020, Indonesia's production was 6.49 million MT accounting for approximately 35.6 % of the region's total, followed by Viet Nam at 3.70 million MT (20.3 %), Myanmar at 3.26 million MT (17.9 %), and Philippines at 1.9 million MT (10.6 %). Malaysia and Thailand also produced a considerable quantity of aquatic commodities from marine capture fisheries at 1.38 million MT (7.6 %) and 1.31 million MT (7.2 %), respectively. A picture of the region's production quantity from marine capture fisheries in 2020 could be gleaned from **Figure 3**.

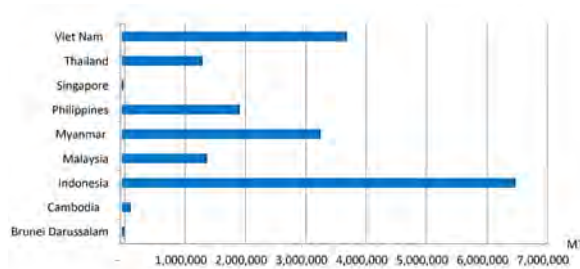


Figure 3. Marine capture fishery production of the Southeast Asian countries in 2020 by quantity (MT)

Although some Southeast Asian countries, *i.e.* Cambodia and Viet Nam, were not able to provide the value of their production from marine capture fisheries, the trend of the total value of the region's marine capture fishery production from 2016 to 2019 seemed to have increased corresponding to the increasing trend of the region's production quantity. By country, Indonesia which led the Southeast Asian countries, accounted for about 49.4 % of the region's marine capture fishery production value in 2020, with Myanmar emerging second contributing about 21.9 %. Meanwhile, the Philippines which came in third in terms of value contributed about 10.9 %, Malaysia came in fourth at 9.8 %, and lastly, Thailand contributed about 7.7 %.

Aggregating the 2020 production quantity from marine capture fisheries by major commodity groups (**Table 5**), marine fishes provided the highest quantity accounting for about 86.4 %, followed by mollusks at 5.5 % while crustaceans, seaweeds, and invertebrates contributed 4.7 %, 0.4 %, and 0.01 %, respectively. It should be noted that 3.1 % was contributed by other commodity groups which could not be appropriately classified as some countries were not able to provide their respective production quantity by species. In 2020, the production quantity of invertebrates, seaweeds, and marine fishes had decreased from that of 2019 by about 96.6 %, 5.1 %, and 0.9 %, respectively, but the production quantity of others, mollusks, and crustaceans had increased by about 43.5 %, 6.0 %, and 0.4 %, respectively, compared with the corresponding quantity in 2019.

Table 5. Production of the major commodity groups from marine capture fisheries of Southeast Asia in 2016–2020 by quantity (MT)

Commodity Group	2016	2017	2018	2019	2020
Marine fishes	14,726,719	14,880,726	15,974,939	15,870,138	15,733,257
Crustaceans	708,248	718,355	765,095	859,449	862,655
Molluscs	540,958	830,724	564,974	940,461	996,996
Seaweeds	41,457	47,271	44,383	67,848	64,414
Invertebrates	105,886	92,901	113,482	40,140	1,362
Others	904,044	760,300	867,452	389,803	559,533
Total marine capture fishery production	17,027,312	17,330,277	18,330,325	18,167,839	18,216,855

Comparing the quantity of the total fishery production in 2020 with that of 2019, an increase in the production of the marine capture fishery is obvious, which could have been influenced by various factors that include: increased production of various major commodities of Viet Nam such as tuna-like fishes *nei* (Scrombroidei), natantian decapods *nei* (Natantia), and cephalopods *nei* (Cephalopoda) from Fishing Area 71¹; production of major marine capture fishery of Indonesia that also increased considerably, especially jacks, crevalles *nei* (*Caranx* spp.), scads *nei* (*Decapterus* spp.), banana prawn (*Penaeus merguensis*), giant tiger prawn (*Penaeus monodon*), *Metapenaeus* shrimps *nei* (*Metapenaeus* spp.) from Fishing Area 57² and 71; and increased production of Myanmar of marine fishes *nei* from Fishing Area 57.

¹ Fishing area 57 covers the marine fishing areas of Myanmar, Thailand (Indian Ocean), Malaysia (West Coast of Peninsula Malaysia), and Indonesia (Malacca Strait, West Sumatra and South Java, Bali-Nusa Tenggara)

² Fishing area 71 covers the marine fishing areas of Thailand (Gulf of Thailand), Cambodia, Viet Nam (Southwest and Southeast), Malaysia (East Coast of Peninsula Malaysia, Sabah, Sarawak), Singapore, Brunei Darussalam, Philippines (Luzon, Visayas, Mindanao), and Indonesia (East Sumatra, North Java, Bali-Nusa Tenggara, Southwest Kalimantan, East Kalimantan, South Sulawesi, North Sulawesi, Maluku-Papua)

Table 6. Production of commercially-important species from marine capture fishery of Southeast Asia in 2020 by quantity (MT) and value (US\$)

Group/Species	Quantity (MT)	Percentage in total quantity of marine capture production (%)	Value (US\$1,000)*	Percentage in total value of marine capture production (%)	Value/Quantity (US\$/MT)**
Tunas and Tuna-like species	2,604,183	14.30	4,120,095	16.78	1,868
Neritic tunas	823,311		1,154,835		1,424
Frigate tuna	349,331		541,081		1,549
Bullet tuna	7,177		8,463		1,179
Kawakawa	223,339		274,132		1,299
Longtail tuna	243,464		331,159		1,360
Oceanic tunas	1,160,787		2,174,781		1,897
Skipjack tuna	736,865		1,157,820		1,571
Albacore tuna	7,289		14,131		2,346
Southern bluefin tuna	1,298		5,754		4,433
Yellowfin tuna	326,208		764,324		2,397
Bigeye tuna	89,127		232,752		2,790
Tuna-like species	620,085		790,479		3,187
Narrow-barred Spanish mackerel	185,376		564,819		3,047
Indo-Pacific king mackerel	34,815		96,668		2,777
Seerfishes <i>nei</i>	24,373		120,950		4,962
Tuna-like fishes <i>nei</i>	375,521		8,042		2,322
Scads	1,631,789	8.96	2,353,888	9.59	1,443
Bigeye scad	228,492		370,112		1,620
Yellowstripe scad	132,115		195,754		1,482
Torpedo scad	90,181		107,369		1,191
Indian scad	124,976		142,435		1,140
Scad <i>nei</i>	757,367		915,477		1,209
Jacks, crevalles <i>nei</i>	181,220		417,117		2,302
Carangids <i>nei</i>	117,438		205,624		1,751
Mackerels	406,528	2.23	728,464	2.97	1,792
Short mackerel	54,971		98,209		1,787
Indian mackerel	172,597		302,860		1,755
Indian mackerels <i>nei</i>	76,653		146,208		1,907
Mackerels <i>nei</i>	102,307		181,187		1,771
Anchovies	250,215	1.37	232,668	0.95	930
<i>Stolephorus</i> anchovies	108,616		161,278		1,485
Other anchovies	141,599		71,390		504
Sardines	723,476	3.97	499,943	2.04	691
Spotted sardinella	27,462		28,483		1,037
Goldstripe sardinella	152,072		148,357		976
Bali sardinella	402,361		224,780		559
Rainbow sardines	28,784		30,683		1,066
<i>Sardinellas nei</i>	112,797		67,640		600
Crustaceans	654,995	3.60	2,213,692	9.02	3,696
Molluscs	840,239	4.61	1,776,716	7.24	2,823
Marine fishes unidentified	7,806,010	42.85	8,239,095	33.56	1,495

* Data not available from Cambodia, and Viet Nam

** Computation of price excludes corresponding quantity production from Cambodia, and Viet Nam

Moreover, the region's production of major species such as the skipjack tuna (*Katsuwonus pelamis*) and yellowfin tuna (*Thunnus albacares*) decreased in 2020 compared with that 2019 which could have been influenced by the reduced production of Indonesia, Philippines, and Malaysia; narrow-barred Spanish mackerel (*Scomberomorus commerson*) production also decreased in 2020 compared with that of 2019 which could have been influenced by decreased production of the Philippines. Meanwhile, production of Natantian decapods *nei* in 2020 had increased compared with that of 2019, which could have been brought about by increased production of Cambodia and Viet Nam from Fishing Area 71.

The commercially-important marine species that provided a sizeable contribution to the total fishery production of Southeast Asia from marine capture fisheries by quantity and value in 2020 are shown in **Table 6**. The data indicate that miscellaneous marine fishes (unidentified) contributed the highest quantity at about 42.85 % and value at about 33.56 %. Production from the tunas and tuna-like species group contributed about 14.30 % to the total production quantity and ranked second and value accounting for about 16.78 % of the total production value, followed by the scads group contributed about 8.96 % to the total production quantity and value of about 9.59 % of the total production value.

The data in **Table 6** also suggest that the production value/quantity of seerfishes *nei* (*Scomberomorus* spp.) is valued the highest among the commodities harvested through marine capture fisheries at US\$ 4,962/MT followed by Southern bluefin tuna (*Thunnus maccoyii*) at US\$ 4,433/MT, then crustaceans group at US\$ 3,696/MT, narrow-barred Spanish mackerel (*Scomberomorus commerson*) at US\$ 3,047/MT, mollusks group at US\$ 2,823/MT, bigeye tuna (*Thunnus obesus*) at US\$ 2,790/MT, Indo-Pacific king mackerel (*Scomberomorus guttatus*) at US\$ 2,777/MT, yellowfin tuna (*Thunnus albacares*) at US\$ 2,397/MT, albacore tuna (*Thunnus alalunga*) at US\$ 2,346/MT, Tuna-like fishes *nei* (Scombroidei) at US\$ 2,322/MT, Jacks, crevalles *nei* (*Caranx* spp.) at US\$ 2,302/MT, Indian mackerels *nei* (*Rastrelliger* spp.) at US\$ 1,907/MT, short mackerel (*Rastrelliger brachysoma*) at US\$ 1,787/MT, and Indian mackerel (*Rastrelliger kanagurta*) at US\$ 1,755/MT. The average value of miscellaneous marine fishes (unidentified) which contributed the highest quantity in 2020 was estimated at US\$ 1,495/MT.

III. INLAND CAPTURE FISHERY PRODUCTION OF SOUTHEAST ASIA

Southeast Asia's production from inland capture fisheries had generally increased from 2016 to 2018, and declines in 2019 and decreased in 2020. The region's total production from inland capture fisheries in 2020 was 3,059,714 MT accounting for approximately 15.4 % of the region's total production from capture fisheries or 6.6 % of the region's total fishery production. It should be recognized however that the compilation and reporting of production data from inland capture fisheries had been particularly limited and need to be improved. Thus, the reported data so far could be insufficient, especially in terms of completeness and species composition. It should also be considered that in the real situation, the catch of rural community members comprising the main users of the inland resources, is consumed locally and is usually not reported in local or national statistics. Accordingly, the data on the total catch from inland capture fisheries in this publication could be considered as indicative only.

While the most Southeast Asian countries (except Brunei Darussalam and Singapore) reported their respective data on production from inland capture fisheries during 2016–2020, only five countries, *i.e.* Indonesia, Malaysia, Myanmar, Philippines, and Thailand, reported the corresponding production values. Thus, the actual regional production trend of the inland capture fisheries subsector could not be established. At any rate, as the consistent top producer, Myanmar maintains a stable inland fishery production from 2016 to 2020 that accounted for 33.0 % of the country's total production from capture fisheries, 26.7 % of the country's total fishery production, and 3.5 % of the region's total fishery production

Table 7. Inland capture fishery production of the Southeast Asian countries in 2020 by quantity (MT)

Country	Inland capture production (MT)	Total capture production (MT)	% of inland capture production to total capture production	Total fishery production (MT)	% of inland capture fishery production to total fishery production
Brunei Darussalam	...	13,074	...	16,575	...
Cambodia	413,200	535,900	77.10	936,300	44.13
Indonesia	494,950	6,989,090	7.08	21,834,105	2.27
Lao PDR	70,001	70,001	100.0	200,021	35.00
Malaysia	5,626	1,388,923	0.40	1,788,940	0.31
Myanmar	1,608,066	4,872,903	33.0	6,013,781	26.74
Philippines	148,415	2,075,758	7.15	4,398,589	3.37
Singapore	-	356	-	5,179	-
Thailand	123,256	1,434,064	8.60	2,393,971	5.15
Viet Nam	196,200	3,896,500	5.04	8,635,686	2.27
Total	3,059,714	21,276,569	Ave: 14.38	46,223,147	Ave: 6.62

(Table 7). The second highest producer, Indonesia reported a production quantity of 494,950 MT in 2020 which represented 7.1 % of the country's production from capture fisheries, 2.3 % of the country's total fishery production, and 1.1 % of the region's total fishery production. Meanwhile, Cambodia reported an inland production quantity of 413,200 MT in 2020 which represented 77.10 % of the country's total production from capture fisheries, and 44.1 % of the country's total fishery production.

It should be noted, however, that such production quantity could not be accurate considering that most of the countries still need to improve their systems of collecting and compiling their respective fishery statistics, especially with regard to their production from inland capture fisheries.

On inland capture fisheries production by species, only three countries, namely: Indonesia, Philippines, and Thailand, had provided their respective production data from inland capture fisheries by species, while the other countries were not able to report due to the inadequacy of expertise and resources in identifying and recording the catch by species. Capacity building in this aspect is, therefore, necessary to enable the countries to compile their respective inland fishery production by major groups of species. Thus, production from inland capture fisheries of Cambodia, Lao PDR, Malaysia, Myanmar, and Viet Nam in 2020 could not be analyzed in terms of species because these countries were not able to provide the breakdown of their production quantity by species.

The group of freshwater fishes *nei* (Osteichthyes) with no species classification provided the highest production from inland capture fisheries accounting for 75.20 % of the region's total inland capture fisheries production in 2020 (Table 8). As for the major species, production of Nile tilapia (*Oreochromis niloticus*) was the highest at 2.46 %, followed by striped snakehead (*Channa striata*) at 1.99 %, freshwater mollusks *nei* (Mollusca) at 1.54 %, tilapias *nei* (*Oreochromis* (=Tilapia) spp.) at 1.32 %, silver barb (*Barbonymus gonionotus*) at 1.30 %, and torpedo-shaped catfishes *nei* (*Clarias* spp.) at 1.22 %. As for the production value per quantity, striped snakehead (*Channa striata*) was valued the highest among the commodities harvested through inland capture fisheries at US\$ 2,672/MT, followed by the climbing perch (*Anabas testudineus*) at US\$ 2,494/MT, *Pangasius djambal* at US\$ 2,089/MT, and torpedo-shaped catfishes *nei* (*Clarias* spp.) at US\$ 2,014/MT.

Table 8. Production of major species from inland capture fisheries of Southeast Asia in 2020 by quantity (MT) and value (US\$ 1,000)

Common name	Quantity (MT)	Percentage of total quantity of inland capture production (%)	Value (US\$ 1,000)*	Percentage of total value of inland capture production (%)	Value/Quantity (US\$/MT)**
Misc. fishes	2,300,801	75.20	2,662,196	66.70	1,566
Nile tilapia	75,141	2.46	129,932	3.26	1,729
Striped snakehead	60,979	1.99	162,943	4.08	2,672
Freshwater mollusks <i>nei</i>	47,137	1.54	6,067	0.15	129
Tilapias <i>nei</i>	40,455	1.32	53,813	1.35	1,330
Silver barb	39,909	1.30	62,689	1.57	1,571
Torpedo-shaped catfishes <i>nei</i>	37,378	1.22	75,292	1.89	2,014
Climbing perch	35,023	1.14	87,348	2.19	2,494
Snakeskin gourami	31,208	1.02	51,379	1.29	1,646
Cyprinidae	26,563	0.87	23,694	0.59	1,538
<i>Pangasius djambal</i>	25,586	0.84	53,448	1.34	2,089

* Data not available from Cambodia, Lao PDR, and Viet Nam

** Computation of price excludes corresponding quantity production from Cambodia, Lao PDR, and Viet Nam

IV. AQUACULTURE PRODUCTION OF SOUTHEAST ASIA

In 2020, the region's total production from aquaculture accounted for about 54.0 % of the region's total fishery production in terms of quantity and 41.0 % in terms of value. From 2016 to 2020, Southeast Asia's total production from aquaculture fluctuated where the production decreased by about 1.33 % from 2019 to 2020 (Figure 4). The aquaculture production between 2017 and 2018 had slightly decreased at 0.27 % and increased at about 1.65 % in 2019. The aquaculture production of Cambodia, Lao PDR, and Viet Nam had slightly increased from 2016 to 2020, while those of Indonesia, Malaysia, Philippines, Singapore, and Thailand had been slightly decreasing from 2019 to 2020.

For Indonesia as the largest producer of aquaculture products in 2020, the production of *Eucheuma* seaweeds *nei* (*Eucheuma* spp.) contributed 54.43 % to the production quantity and 13.58 % to the production value of the country's aquaculture production. This was followed by *Gracilaria* seaweeds *nei* (*Gracilaria* spp.) accounting for 9.81 %, Nile tilapia (*Oreochromis niloticus*) at 7.21 %, and torpedo-shaped catfishes (*Clarias* spp.) at 6.69 %. In the case of Viet Nam as the second-highest producer from aquaculture, 31.53 % of its aquaculture production came from striped catfish (*Pangasianodon hypophthalmus*), followed by freshwater fishes *nei* (Osteichthyes) at 14.88 %, whiteleg shrimp (*Penaeus vannamei*) at 13.0 %, cyprinids *nei* (Cyprinidae) at 9.75 %, and freshwater fishes *nei* (Osteichthyes) at 8.92 % of the country's aquaculture production.

For the Philippines as the third-highest aquaculture producer, its main aquaculture product was elkhorn sea moss (*Kappaphycus alvarezii*) contributing 60.47 % to the country's production from aquaculture, followed by milkfish (*Chanos chanos*) at 16.91 %, Nile tilapia (*Oreochromis niloticus*) at 6.86 %, Tilapia *nei* (*Oreochromis* (=Tilapia) spp.) at 3.70 %, and spiny eucheuma (*Eucheuma denticulatum*) at 2.71 %.

For Myanmar, the main production from aquaculture was roho labeo (*Labeo rohita*) which accounted for 60.27 % of the country's production from aquaculture, followed by silver barb (*Barbonymus gonionotus*) common carp (*Cyprinus carpio*) at 15.36 %, and common carp (*Cyprinus carpio*) at 10.78 %. The main aquaculture product of Thailand was whiteleg shrimp (*Penaeus vannamei*) accounting for 32.29 % of the country's aquaculture production, followed by Nile tilapia (*Oreochromis niloticus*) at 21.46 %, hybrid catfishes (*C. gariepinus* x *C. macrocephalus*) at 10.35 %, and green mussel (*Perna viridis*) at 7.16 %.

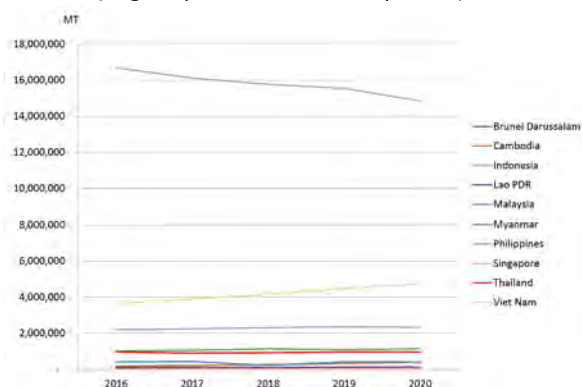


Figure 4. Trend of the aquaculture production (MT) of the Southeast Asian countries from 2016 to 2020

In terms of the value of the region's aquaculture production, the actual trend could not be established as some countries could not report their data regularly. For the available data in 2020, Brunei Darussalam attained the highest value/quantity at US\$ 7,504/MT followed by Singapore at US\$ 5,766/MT, Thailand at US\$ 3,074/MT, Malaysia at US\$ 2,067/MT, Myanmar at US\$ 1,648/MT, Philippines at US\$ 1,023/MT, and Indonesia at US\$ 810/MT. Meanwhile, the value of aquaculture production of Cambodia, Lao PDR, and Viet Nam in 2020 could not be calculated as their respective total production values were not reported.

The aquaculture production was categorized based on three culture environments, namely: mariculture, brackishwater culture, and freshwater culture. In 2020, Indonesia was the top producer of aquaculture products in the Southeast Asian region and had the highest production from mariculture, followed by Viet Nam from freshwater culture, Philippines from mariculture, Myanmar from freshwater culture, and Thailand from brackishwater culture. In terms of quantity, mariculture contributed 43.0 % of the region's total aquaculture production in 2020 while brackishwater culture contributed 22.0 %, and the remaining 35.0 % came from freshwater culture. In terms of value, mariculture contributed 13.0 %, freshwater aquaculture production contributed 40.0 %, and brackishwater culture production contributed the highest at 47.0 % (Figure 5).

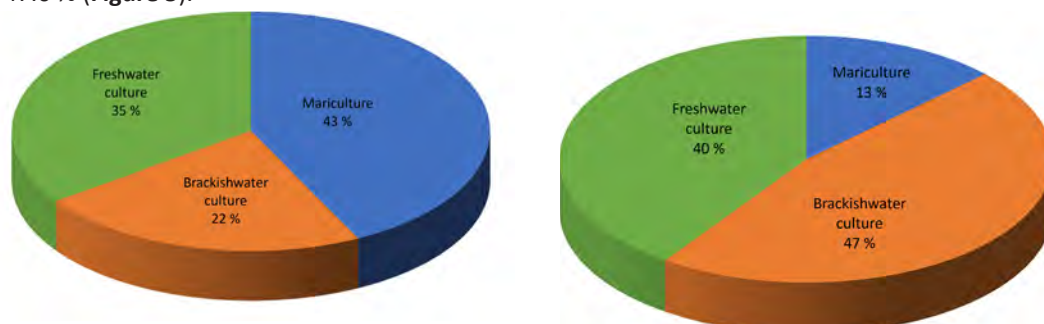


Figure 5 Proportion (%) of aquaculture production by culture environment of Southeast Asia in 2020 by quantity (left) and value (right)

It should be recalled that in 2019, the production in terms of quantity from mariculture accounted for 44.0 % of the total aquaculture production, while brackishwater culture production accounted for 20.0 % and freshwater culture production at 36.0 %. In terms of value, mariculture contributed 15.0 % to the region's total aquaculture production value, brackishwater culture production at 42.0 %, and freshwater culture production at 43.0 %. In 2020, the production quantity from freshwater culture slightly decreased by 4.8 % compared with that of 2019, which could be due to the decreased quantity of production of the Philippines, Singapore, Thailand, and Viet Nam. Meanwhile, the production value from brackishwater culture slightly increased by 2.1 % from of 2019 which could be due to the increased production of whiteleg shrimp (*Penaeus vannamei*) of Brunei Darussalam and roho labeo (*Labeo rohita*) of Myanmar.

4.1 Mariculture

In 2020, the region's total production in terms of quantity from mariculture contributed about 43.0 % to the region's total aquaculture production but only 13.0 % in terms of value. Farmed aquatic plants, such as *Eucheuma* seaweeds (*Eucheuma* spp.) and elkhorn sea moss (*Kappaphycus alvarezii*), contributed 91.5 % to the region's total mariculture production quantity. The *Eucheuma* seaweeds production of Indonesia accounted for about 76.0 % of the region's total production quantity from mariculture, followed by elkhorn sea moss as the main mariculture product of the Philippines which accounted for 13.2 %. The marine mollusks group contributed about 3.2 % to the region's total mariculture production quantity, with Viet Nam providing the highest production of marine mollusks *nei*, followed by Thailand whose production of green mussels (*Perna viridis*) and blood cockle (*Anadara granosa*) contributed about 0.65 % and 0.32 %, respectively (Figure 6).

In terms of value, *Eucheuma* spp. contributed 63.4 % to the region's total mariculture production followed by milkfish (*Chanos chanos*) which contributed about 13.7 %, *Kappaphycus alvarezii* contributed about 8.2%, and *Anadara granosa* contributed about 5.7 % (Figure 6).

For value per quantity, milkfish commanded the highest value per quantity at US\$ 2,336/MT, followed by blood cockle at US\$ 2,316/MT, and marine molluscs *nei* at US\$ 1,340/MT. Meanwhile, the lowest value was US\$ 132/MT for spiny *Eucheuma* (Table 9).

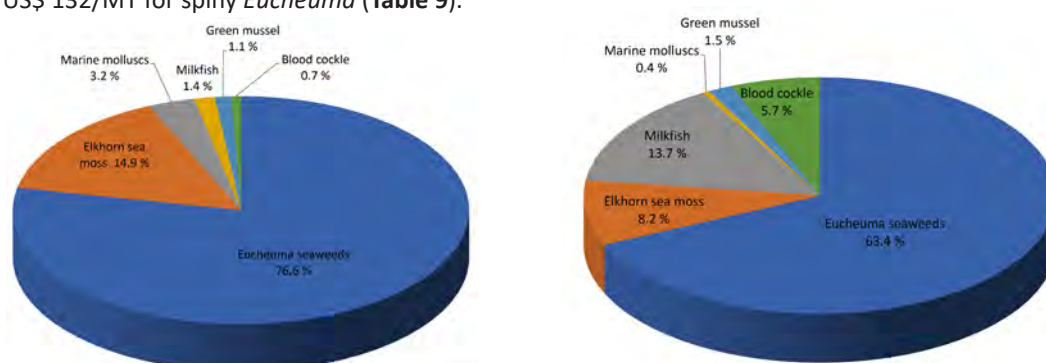


Figure 6. Proportion (%) of production of major species from mariculture of Southeast Asia in 2020 by quantity (left) and value (right)

Table 9 Production of major species from mariculture of Southeast Asia in 2020 by quantity (MT) and value (US\$ 1,000)

Common name	Quantity (MT)	Percentage production in the total mariculture production	Value (US\$ 1,000)	Percentage in total mariculture value (%)	Value/Quantity (US\$/MT)**
<i>Eucheuma</i> seaweeds <i>nei</i>	8,081,796	76.0	1,632,570	63.1	202
Elkhorn sea moss	1,587,737	14.9	211,805	8.2	133
Marine mollusks <i>nei</i>	343,871	3.2	10,813	0.4	1,340
Milkfish	151,750	1.4	354,537	13.7	2,336
Green mussel	119,917	1.1	40,064	1.5	353
Japanese Sargasso seaweed	80,662	0.8	26,716	1.0	331
Blood cockle	72,712	0.7	147,122	5.7	2,316
Oysters	68,916	0.6	36,010	1.4	522
Spiny eucheuma	63,073	0.6	8,323	0.3	132

As for value per quantity of mariculture production in the respective countries, Brunei Darussalam posted the highest at an average of US\$ 7,893/MT from its production of (*Panulirus polyphagus*), and Myanmar at US\$ 3,597/MT for its production of highly economic groupers *nei* (*Epinephelus* spp.), followed by Singapore at US\$ 4,974/MT for mud spiny lobster barramundi (=giant seaperch) (*Lates calcarifer*). Meanwhile, the mariculture production value of Thailand was at US\$ 1,162/MT, Philippines at US\$ 357/MT, Indonesia at US\$ 218/MT, and Malaysia at US\$ 173/MT.

4.2 Brackishwater Culture

The total production from brackishwater aquaculture in 2020 represented about 22 % of the region's total aquaculture production. The major groups and species cultured in brackishwater include aquatic plants such as *Gracilaria* spp., crustaceans such as banana prawn (*Penaeus merguensis*), giant tiger shrimp (*P. monodon*), whiteleg shrimp (*P. vannamei*), and other shrimps, as well as fishes such as milkfish (*Chanos chanos*) and marine fishes, and others (**Figure 7**). The production of whiteleg shrimps (*Penaeus vannamei*) was mainly produced by Indonesia, Viet Nam, and Thailand, and had the highest quantity contributing 31.1% of the region's total production from brackishwater aquaculture. The second highest was *Gracilaria* seaweeds (*Gracilaria* spp.) at 26.2 % mainly produced by Indonesia, and the third was milkfish (*Chanos chanos*) at 19.2 % mainly produced by Indonesia and Philippines. Meanwhile, giant tiger prawn (*Penaeus monodon*) mainly from Viet Nam and Indonesia contributed 9.4 %; group of fishes was 9.1 %; and shrimps at 1.9 %. It should be noted that despite the COVID-19 pandemic, Brunei Darussalam had a drastic increase in brackishwater culture production since 2020 due to the change in national policy that allowed the culture of whiteleg shrimps.

In terms of production value, whiteleg shrimp (*P. vannamei*) contributed the highest value of about 52.9 % which was produced by Indonesia and Thailand, followed by milkfish (*Chanos chanos*) from Indonesia and Philippines contributing at 16.9 %, giant tiger shrimp (*P. monodon*) from Indonesia, Myanmar, Philippines, Thailand, and Malaysia at 19.1 %, and marine fishes at 3.7 %. Although aquatic plants attained the second-highest production quantity (26.2 %), the contribution in terms of value was only 1.2 % (**Figure 7**).

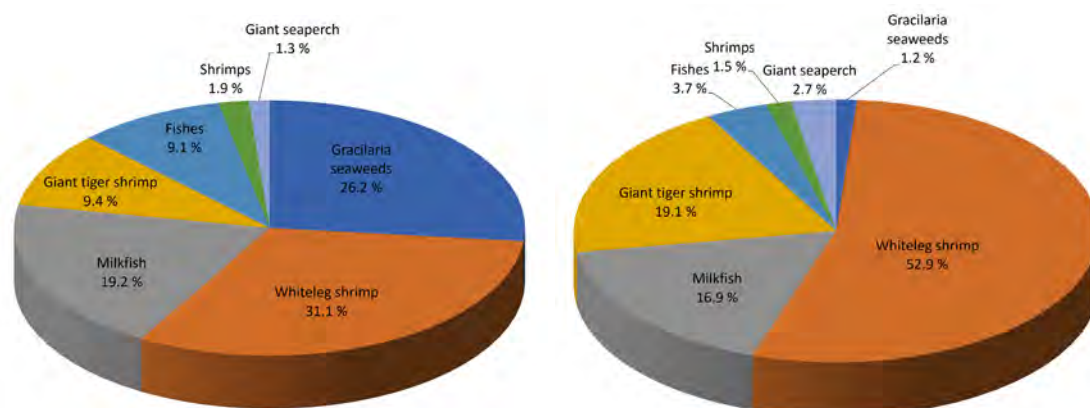


Figure 7. Proportion (%) of production of major species from brackishwater culture of Southeast Asia in 2020 by quantity (left) and value (right)

The highest value per quantity of production was attained by the giant tiger shrimp (*P. monodon*) at US\$ 6,836/MT followed by whiteleg shrimp (*P. vannamei*) at US\$ 4,414/MT, giant seaperch at US\$ 3,590/MT, other shrimps at US\$ 2,617/MT, group of fishes at US\$ 1,700/MT, milkfish (*Chanos chanos*) at US\$ 1,473/MT, and *Gracilaria* spp. at US\$ 80/MT (**Table 10**). Singapore posted the highest value per quantity of production at US\$ 12,147/MT, followed by Myanmar at US\$ 7,654/MT, Brunei Darussalam at US\$ 7,542/MT, Malaysia at US\$ 5,617/MT, Thailand at US\$ 4,654/MT, Philippines at US\$ 3,656/MT, and Indonesia at US\$ 1,563/MT. However, Cambodia and Viet Nam could not report their respective production values from brackishwater aquaculture.

Table 10 Production of major species from brackishwater culture in Southeast Asia in 2019 by quantity (MT) and value (US\$)

Common name	Quantity (MT)	Percentage in total brackishwater culture production quantity (%)	Value (US\$ 1,000)*	Percentage in total brackishwater culture value (%)	Value/Quantity (US\$/MT)**
Whiteleg shrimp	1,744,856	31.1	4,981,946	52.9	4,414
<i>Gracilaria</i> seaweeds	1,468,757	26.2	116,720	1.2	80
Milkfish	1,079,223	19.2	1,590,197	16.9	1,473
Giant tiger shrimp	526,512	9.4	1,800,403	19.1	6,836
Misc. fishes	511,862	9.1	350,061	3.7	1,700
Shrimps	105,133	1.9	142,248	1.5	2,617
Giant seaperch	72,654	1.3	257,272	2.7	3,590

* Data not available from Cambodia and Viet Nam

** Computation of price excludes corresponding quantity production from Cambodia and Viet Nam

4.3 Freshwater Culture

The region's total production from freshwater culture in 2020 accounted for about 35.0 % of the region's total aquaculture production quantity, which was a slight decrease of about 4.8 % from 2019. In 2020, Indonesia had the highest production from freshwater aquaculture at 3,390,976 MT or 39.0 % of the region's total freshwater aquaculture production, followed by Viet Nam at 2,934,233 MT or 33.7 %, Myanmar at 1,078,312 MT or 12.4 %, Thailand at 405,656 MT or 4.7 %, Cambodia at 379,780 MT or 4.4 %, Philippines at 284,917 MT or 3.3 %, Lao PDR at 1130,020 MT or 1.5 %, and Malaysia at 97,210 MT or 1.1 %.

Having accounted for 40.0 % of the region's total aquaculture production value in 2020, freshwater aquaculture emerged to be crucial, notwithstanding the decrease of its production value by almost 10.8 % in 2020 compared with that of 2019. This information, however, could be underestimated considering that the corresponding production values from Cambodia, Lao PDR, and Viet Nam had not yet been reported.

In terms of the production quantity of the Southeast Asian countries by species (**Figure 8**), striped catfish (*Pangasianodon hypophthalmus*) accounted for 17.3 % of the region's total production from freshwater aquaculture, which was contributed mainly by Viet Nam. This was followed by Nile tilapia (*Oreochromis niloticus*) which accounted for 17.1 % and contributed mainly by Indonesia, followed by torpedo-shaped catfishes (*Clarias* spp.) at 12.4 % contributed mainly by Indonesia, a group of freshwater fishes at 9.9 % contributed mainly by Viet Nam, common carp (*Cyprinus carpio*) at 9.7 % contributed mainly by Indonesia, Myanmar, and Viet Nam, roho labeo (*Labeo rohita*) at 8.1 % contributed mainly by Myanmar, Cyprinids *nei* at 5.9 % contributed mainly by Viet Nam, tilapias *nei* (*Oreochromis*(=Tilapia) spp.) for 5.3 % contributed mainly by Viet Nam, pangas catfishes *nei* (*Pangasius* spp.) accounted for 5.1 % mainly by Indonesia and Cambodia, silver barb (*Barbonymus gonionotus*) at 3.3 % mainly by Myanmar and Cambodia, giant gourami (*Osphronemus goramy*) accounted for 1.7 % contributed mainly by Indonesia, and Africa-bighead catfish, hybrid (*Clarias gariepinus* x *C. macrocephalus*) at 1.1 % contributed mainly by Thailand.

On the production value, the highest contributor to the region's total production value from freshwater aquaculture in 2020 was Nile tilapia (*Oreochromis niloticus*) which accounted for 29.5 % of the region's total production from freshwater aquaculture, followed by torpedo-shaped catfishes (*Clarias* spp.) at 15.2 %, common carp (*Cyprinus carpio*) at 14.7 %, roho labeo (*Labeo rohita*) at 11.2 %, a group of freshwater fishes at 6.2 %, pangas catfishes *nei* (*Pangasius* spp.) at 5.4 %, giant gourami (*Osphronemus goramy*) at 4.3 %, giant river prawn (*Macrobrachium rosenbergii*) at 3.90 %, and tilapias *nei* (*Oreochromis*(=Tilapia) spp.)

at 3.2 %. For the value per quantity of major freshwater aquaculture species, the highest was earned by giant river prawn (*Macrobrachium rosenbergii*) at US\$ 7,061/MT followed by giant gourami (*Osphronemus goramy*) at US\$ 2,350/MT, striped catfish (*Pangasianodon hypophthalmus*) at US\$ 2,262/MT, tilapias *nei* (*Oreochromis*(=Tilapia) spp.) at US\$ 1,775/MT, common carp (*Cyprinus carpio*) at US\$ 1,742/MT, Nile tilapia (*Oreochromis niloticus*) at US\$ 1,664/MT, a group of freshwater fishes at US\$ 1,645/MT, Africa-bighead catfish, hybrid (*Clarias gariepinus* x *C. macrocephalus*) at US\$ 1,465/MT, pangas catfishes *nei* (*Pangasius* spp.) at US\$ 1,349/MT, roho labeo (*Labeo rohita*) at US\$ 1,304/MT, torpedo-shaped catfishes (*Clarias* spp.) at US\$ 1,202/MT, silver barb (*Barbonymus gonionotus*) at US\$ 1,043/MT, striped catfish (*Pangasianodon hypophthalmus*) at US\$ 886/MT, and cyprinids *nei* at US\$ 376/MT (Table 11).

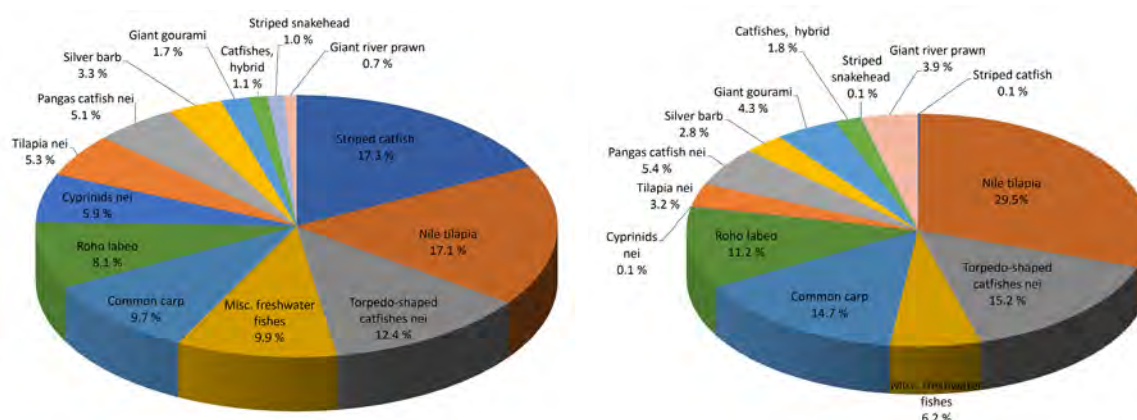


Figure 8. Proportion (%) of production of major species from freshwater aquaculture of Southeast Asia in 2020 by quantity (left) and value (right)

Table 11 Production of major freshwater species from freshwater aquaculture of Southeast Asia in 2020 by quantity (MT) and value (US\$ 1,000)

Common name	Quantity (MT)	Percentage in total freshwater culture production quantity (%)	Value (US\$ 1,000)*	Percentage in total freshwater culture value (%)	Value/Quantity (US\$/MT)**
Striped catfish	1,507,727	17.3	11,642	0.1	881
Nile tilapia	1,492,333	17.1	2,393,748	29.5	1,664
Torpedo-shaped catfishes	1,079,585	12.4	1,236,082	15.2	1,202
Misc. fishes	858,084	9.9	506,678	6.2	1,645
Common carp	840,525	9.7	1,193,387	14.7	1,742
Roho labeo	701,936	8.1	905,385	11.2	1,304
Cyprinid <i>nei</i>	515,465	5.9	4,295	0.1	376
Tilapias <i>nei</i>	457,258	5.3	260,792	3.2	1,775
Pangas catfishes <i>nei</i>	443,990	5.1	439,703	5.4	1,349
Silver barb	289,902	3.3	224,055	2.8	1,043
Giant gourami	149,216	1.7	350,626	4.3	2,350
Catfishes, hybrid	99,344	1.1	145,577	1.8	1,465
Striped snakehead	89,452	1.0	5,546	0.1	2,262
Giant river prawn	64,973	0.7	313,940	3.9	7,061

* Data not available from Cambodia, Lao PDR, and Viet Nam

** Computation of price excludes corresponding quantity production from Cambodia, Lao PDR, and Viet Nam

Furthermore, for the value of major freshwater cultured species by country, Singapore presented the highest average value at US\$ 7,848/MT mainly from its production of the mozambique tilapia (*Oreochromis mossambicus*). This was followed by Brunei Darussalam at US\$ 5,936/MT mainly for its production of the mozambique tilapia, Malaysia at US\$ 2,338/MT mainly for its production of torpedo-shaped catfishes (*Clarias* spp.), Thailand at US\$ 1,939/MT mainly for its production of Nile tilapia (*O. niloticus*), Philippines at US\$ 1,771/MT for its production of Nile tilapia also, Indonesia at US\$ 1,529/MT mainly for its production of Nile tilapia, and Myanmar at US\$ 1,300/MT mainly for its production of the roho labeo (*Labeo rohita*).

V. FISHING GEAR ANALYSIS

As of 2020, the information on the fishing gear used in the region reflected in this Bulletin was based on the production from marine capture fisheries by type of fishing gear as reported by five countries, namely: Brunei Darussalam, Indonesia, Malaysia, Singapore, and Thailand. The production from marine capture fisheries of the Southeast Asian region by types of fishing gear is shown in **Figure 9** and **Table 12**.

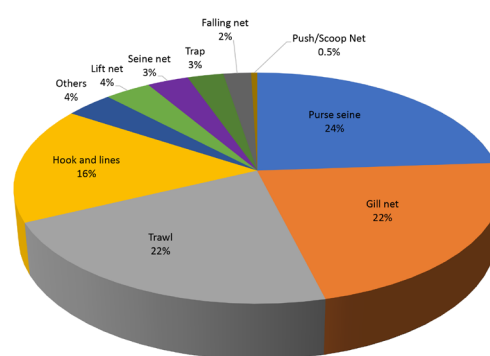


Figure 9. Proportion (%) of production by type of gear from marine capture fishery of Southeast Asia in 2020

Purse seines was the highest-producing fishing gear which accounted for about 24 % of the total production of all types of fishing gear, followed by gillnets at about 22.2 %, trawls at 21.8 %, hooks and lines at 16 %, others at 3.7 %, lift nets at 3.5 %, seine nets at 3.2 %, traps at 2.8 %, push/ falling net at 2.1 %, and scoop nets at 0.5 %.

However, the production trend of fishing gear used in marine capture fisheries could not be appropriately analyzed as several countries such as Cambodia, Myanmar, Philippines, and Viet Nam were not able to provide the necessary information.

Table 12 Production by type of gear from marine capture fishery of Southeast Asian countries in 2020 (MT)

Fishing gear	Brunei Darussalam	Indonesia	Malaysia	Singapore	Thailand
Purse Seines	1,454.7	666,638	348,239	...	400,995
Seine Nets	41.63	161,183	27,481	...	...
Trawls	778.77	13,825	619,188	355.58	656,849
Lift Nets	...	141,611	18,486	...	49,843
Falling Nets	...	...	...	...	125,912
Gill Nets	0.073	898,192	268,177	...	148,667
Traps	26.26	118,481	23,597	...	22,130
Hooks and Lines	5	909,491	39,743	...	19,597
Push/ Scoop Nets	...	4,279	5,725	...	18,034
Others	136.67	154,565	32,662	...	30,075

For the production and species caught by type of gear in the respective countries, the highest production in Brunei Darussalam was from purse seines which accounted for about 58.0 % of the total production of all types of fishing gear, with skipjack tuna (*Katsuwonus pelamis*) and yellowfin tuna (*Thunnus albacares*) as the main catch. This was followed by trawls at 31.0 % catching false trevally (*Lactarius lactarius*), others at 5.4 % catching yellowtail scad (*Atule mate*), and seine nets at 1.7 % with Sergestidae shrimps *nei* as the main catch.

For Indonesia, hooks and lines had the highest production at about 28.3 % with catch composed of skipjack tuna (*Katsuwonus pelamis*) at about 27.6 %, yellowfin tuna (*Thunnus albacares*) at about 16.7 %, longtail tuna (*Thunnus tonggol*) about 7.1 %, and narrow-barred Spanish mackerel (*Scomberomorus commerson*) about 6.6 %. Gillnets ranked second contributing about 28.0 % to the production from all types of gears which caught about 9.1 % narrow-barred Spanish mackerel (*Scomberomorus commerson*), about 6.5 % longtail tuna (*Thunnus tonggol*), and about 6.0 % goldstripe sardinella (*Sardinella gibbosa*). Purse seine came third which contributed 20.8 % to the marine capture fishery production catching skipjack tuna (*Katsuwonus pelamis*) at about 22.1 %, Indian scad (*Decapterus russelli*) at about 10.5 %, yellowfin tuna (*Thunnus albacares*) at about 8.3 %, and kawakawa (*Euthynnus affinis*) at about 7.9 %.

For Malaysia, trawls had the highest production at about 44.8 % with trash fishes at about 34.2 %, lizard fishes *nei* (*Saurida* spp.) at about 6.8 %, paste shrimp *nei* (*Acetes* spp.) at about 6.0 %, common squids *nei* (*Loligo* spp.) at about 5.8 %, and threadfin breams *nei* (*Nemipterus* spp.) at about 4.2 %. Purse seines came second which contributed 25.2 % to the marine capture fishery production catching scads *nei* (*Decapterus* spp.) at about 20.1 %, longtail tuna (*Thunnus tonggol*) at about 10.3 %, Sardinellas *nei* (*Sardinella* spp.) at about 9.0 %, trash fishes at about 8.7 %, Indian mackerels *nei* (*Rastrelliger* spp.) at about 7.8%, and Indian mackerel (*Rastrelliger kanagurta*) at about 6.2 %. Gillnets ranked third contributing about 19.4 % to the marine capture fishery production including about 24.7 % Indian mackerels *nei* (*Rastrelliger* spp.), about 5.6 % tigertooth croaker (*Otolithes ruber*), about 5.0 % Indian mackerel (*Rastrelliger kanagurta*), about 4.5% sea catfishes *nei* (*Arius* spp.).

For Thailand, trawls contributed the highest production at about 44.6 % of the marine capture fishery production composed mainly trash fishes at about 52.4 %, marine fishes *nei* at about 7.6 %, common squids *nei* (*Loligo* spp.) at about 5.3 %, threadfin breams *nei* (*Nemipterus* spp.) at about 4.6 %, and lizard fishes (*Saurida* spp.) at about 3.2 %. Purse seines ranked second contributing 28.2 % to the marine capture fishery production catching trash fishes at about 15.0 %, Sardinellas *nei* (*Sardinella* spp.) at about 10.8 %, *Stolephorus* anchovies (*Stolephorus* spp.) at about 10.7 %, kawakawa (*Euthynnus affinis*) at about 9.2 %, scads *nei* (*Decapterus* spp.) at about 8.4 %, and Indian mackerel (*Rastrelliger kanagurta*) at about 7.8%. Gillnets came in third ranking which contributed about 10.1 % to the marine capture fishery production catching *Portunus* swimcrabs *nei* (*Portunus* spp.) at about 16.4 %, marine fishes *nei* at about 16.0 %, Sardinellas *nei* (*Sardinella* spp.) at about 11.1 %, and banana prawn (*Penaeus merguensis*) at about 7.8 %.

In the case of Singapore, all marine capture fishery production came from trawls with catch composed of scads *nei* (*Decapterus* spp.) accounting for about 10.4 %, snappers *nei* (*Lutjanus* spp.) at about 8.2 %, barramundi (*Lates calcarifer*) at about 6.4 %, and blue swimming crab (*Portunus pelagicus*) at about 6.4 %.

VI. NUMBER OF FISHING BOATS BY TYPE

This report covers only the boats that have been registered in the respective Southeast Asian countries except for Cambodia and Lao PDR (**Table 13**). Based on the data available as of 2020, Indonesia had the highest number of boats at 1,161,332 boats comprised of 159,417 non-powered boats and 1,001,915 powered boats. Malaysia followed with 48,826 boats of which 3,111 were non-powered and 45,715 were powered boats. The third highest number was reported by Viet Nam with 35,214 boats, followed by Myanmar with 22,407 boats, Thailand with 10,388 boats, Philippines with 5,557 boats, Brunei Darussalam with 1,332 boats, and Singapore with 31 boats.

Table 13 Number of fishing boats of Southeast Asian countries in 2020

Country	Total	Non-powered boat	Powered boat
Brunei Darussalam	1,332	139	1,193
Cambodia	...	...	...
Indonesia	1,161,332	159,417	1,001,915
Lao PDR	...	...	...
Malaysia	48,826	3,111	45,715
Myanmar	22,407	4,337	18,070
Philippines	5,557	...	5,557
Singapore	31	...	31
Thailand	10,388	...	10,388
Viet Nam	35,214	...	...

VII. NUMBER OF FISHERS BY WORKING STATUS

Information on number of fishers by working status was reported by four countries, namely: Brunei Darussalam, Malaysia, Myanmar, and Singapore. Myanmar had the highest number of fishers at 2,746,907 of which 47.6 % were involved in marine capture fisheries, 46.9 % in inland capture fisheries, and 5.5 % in aquaculture. Malaysia had the second-highest number of fishers at 143,193 with 83.7 % in marine capture fisheries, 2.2 % in inland capture fisheries, and 14.1 % in aquaculture. Although minimal, Brunei Darussalam and Singapore also reported their respective numbers of fishers with 2,507 fishers and 555 fishers, respectively (**Figure 10 and Table 14**). However, Cambodia, Indonesia, Lao PDR, Myanmar, Philippines, Thailand, and Viet Nam were not able to provide information on their respective number of fishers.

Efforts should therefore be intensified to improve the availability of data and information by encouraging the countries to enhance their collection of data and information such as through the conduct of regular censuses and surveys. This would enable the countries to report the necessary data and information on fishing gear, fishery vessels, fishers and fish farmers, and especially small-scale fisheries operations.

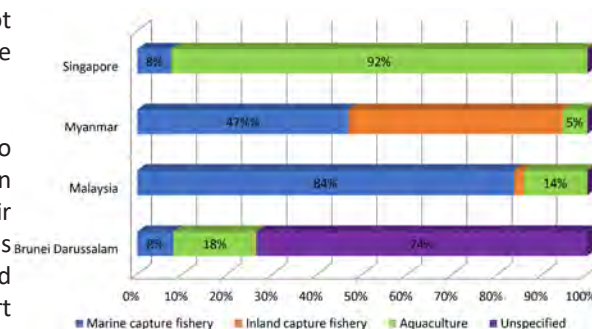


Figure 10. . Percentage (%) of fishers and fish farmers engaged in the fisheries subsectors of the Southeast Asian countries in 2020

Table 14 Number of fishers by working status of Southeast Asian countries in 2020

Country	Total	Marine Capture Fisheries	Inland Capture Fisheries	Aquaculture	Unspecified
Brunei Darussalam	2,507	202	...	462	1,843
Malaysia	143,193	119,828	3,103	20,262	...
Myanmar	2,746,907	1,289,500	1,306,422	150,985	...
Singapore	555	42	...	513	...

VIII. AQUACULTURE PRODUCTION OF ORNAMENTAL FISHES

In 2020, only five countries reported their respective production from aquaculture of ornamental fishes, namely: Brunei Darussalam, Indonesia, Malaysia, Myanmar, and Singapore. Indonesia reported the highest production (1,498,203 thousand pieces) that comprised of common carp (*Cyprinus carpio*), goldfish (*Carassius auratus*), Siamese fighting fish (*Betta splendens*), freshwater angelfish (*Pterophyllum scalare*), and neon tetra (*Paracheirodon innesi*). Myanmar had the second highest production (1,184,597 thousand pieces) including *Danio choprae*, Asian barbs *nei* (*Puntius* spp.), *Danio erythromicron*, *Danio hysginon*, *Garra flavatra*, galaxy rasbora (*Danio margaritatus*), *Danio kyathit*, *Botia kubotai*, and *Sawbwa resplendens*. Malaysia ranked third (227,944 thousand pieces) and its production included group of cyprinids, callichthyids, poecilids, characins, anabantids, and cichlids. Brunei Darussalam ranked fourth (25,711 thousand pieces) with the production comprised of group of Nile tilapia (*Oreochromis niloticus*), *Cyprinus rubrofuscus*, guppy (*Poecilia reticulata*), molly (*Poecilia sphenops*), and cichlids. Although Singapore also reported its production of aquaculture of ornamental fishes (68,962 thousand pieces), the data provided was not by species level.

In terms of value, Indonesia reported the highest value (US\$ 503,221 thousand) which was obtained from Asian arowana (*Scleropages formosus*) at US\$ 38.2/pc, yellowface angelfish (*Pomacanthus xanthurus*) at US\$ 9.7/pc, silver arowana (*Osteoglossum bicirrhosum*) at US\$ 6.8/pc, bluespotted wrasse (*Anampses caeruleopunctatus*) at US\$ 6.8/pc, Jansens wrasse (*Thalassoma janseni*) at US\$ 6.8/pc, red discus (*Symphysodon discus*) at US\$ 4.5/pc, and Chinese softshell turtle (*Tryonix sinensis*) at US\$ 2.73/pc. Myanmar reported the second highest value (US\$ 175 thousand) which was obtained from tank goby (*Glossogobius giurus*) at US\$ 13.3/pc followed by galaxy rasbora (*Danio margaritatus*) at US\$ 2.2/pc, *Botia historionica* at US\$ 1.21/pc, *Garra flavatra* at US\$ 0.35/pc, *Danio kyathit* at US\$ 0.28/pc, and *Yunnanilius brevis* at US\$ 0.28/pc. Malaysia had the third highest value obtained from osteoglossids at US\$ 23.62/pc, cichlids at US\$ 3.77/pc, cyprinids at US\$ 0.40/pc, anabantids at US\$ 0.36/pc, callichthyids at US\$ 0.24/pc, and characins at US\$ 0.23/pc. Brunei Darussalam reported the fourth highest value obtained from arowana (*Osteoglossidae*) at US\$ 59.7/pc, *Palaemonetes pugio* at US\$ 7.5/pc, *Cyprinus rubrofuscus* at US\$ 1.31/pc, goldfish (*Carassius auratus*) at US\$ 0.75/pc, angelfish (*Pterophyllum* spp.) at US\$ 0.75/pc, platy (*Xiphophorus* spp.) at US\$ 0.75/pc., and cichlids at US\$ 0.75/pc.

The aquaculture of ornamental fishes is a budding industry in the Southeast Asian region. Therefore, efforts should be made to improve the compilation and reporting of data to have a better picture of this industry.

IX. SEED PRODUCTION FOR AQUACULTURE

The information on the quantity of seeds produced from the aquaculture industry was recommended in several fora as it is a significant factor in enhancing the economic analysis of the region's aquaculture industry. Thus, a compilation of the said information was initiated by SEAFDEC in 2008 although at that time only five countries, i.e. Brunei Darussalam, Indonesia, Malaysia, Myanmar, and Singapore provided the relevant information. Brunei Darussalam started to provide the necessary information in 2009 and every year thereafter until 2020 except in 2010. Cambodia started providing the necessary data in 2008 and 2009 but did not provide the data from 2010 to 2014. Cambodia again provided the data for 2015 and 2016, but not for 2017–2020. Indonesia started to provide the necessary data in 2010 and continued until 2014, but no data were provided for 2015 until 2017, and again provided the data for 2020. Malaysia started providing the data in 2008, and every year thereafter until 2020

except in 2018. Myanmar started to provide the necessary data in 2008, and every year thereafter until 2014, although it did not provide data for 2015 and 2016, while the necessary data were provided for this current issue of the Bulletin. Singapore started to provide the necessary data in 2008 and every year thereafter until this issue of the Bulletin, except in 2014.

For the subsequent issues of this Bulletin, efforts would be exerted to gather the said information from other Southeast Asian countries, *i.e.* Lao PDR, Philippines, Thailand, and Viet Nam; and these countries would be encouraged to provide the necessary data. The real picture of this significant niche of the aquaculture industry could be established once all Southeast Asian countries provide the necessary data.

X. ANALYSIS OF PRODUCER PRICE OF COMMODITIES FROM CAPTURE FISHERIES

Although the commodities being harvested by the Southeast Asian countries through capture fisheries varied, the data on producer prices was established only for commonly caught species. For this current issue of the Bulletin, six Southeast Asian countries provided the necessary data related to the producer prices of commodities from their respective capture fisheries. These were Brunei Darussalam, Indonesia, Malaysia, Myanmar, Singapore, and Thailand. Efforts should be intensified to obtain also the relevant data from other Southeast Asian countries in order to complete the Southeast Asian commodity price scenario in the future issues of the Bulletin, especially with respect to producer prices.

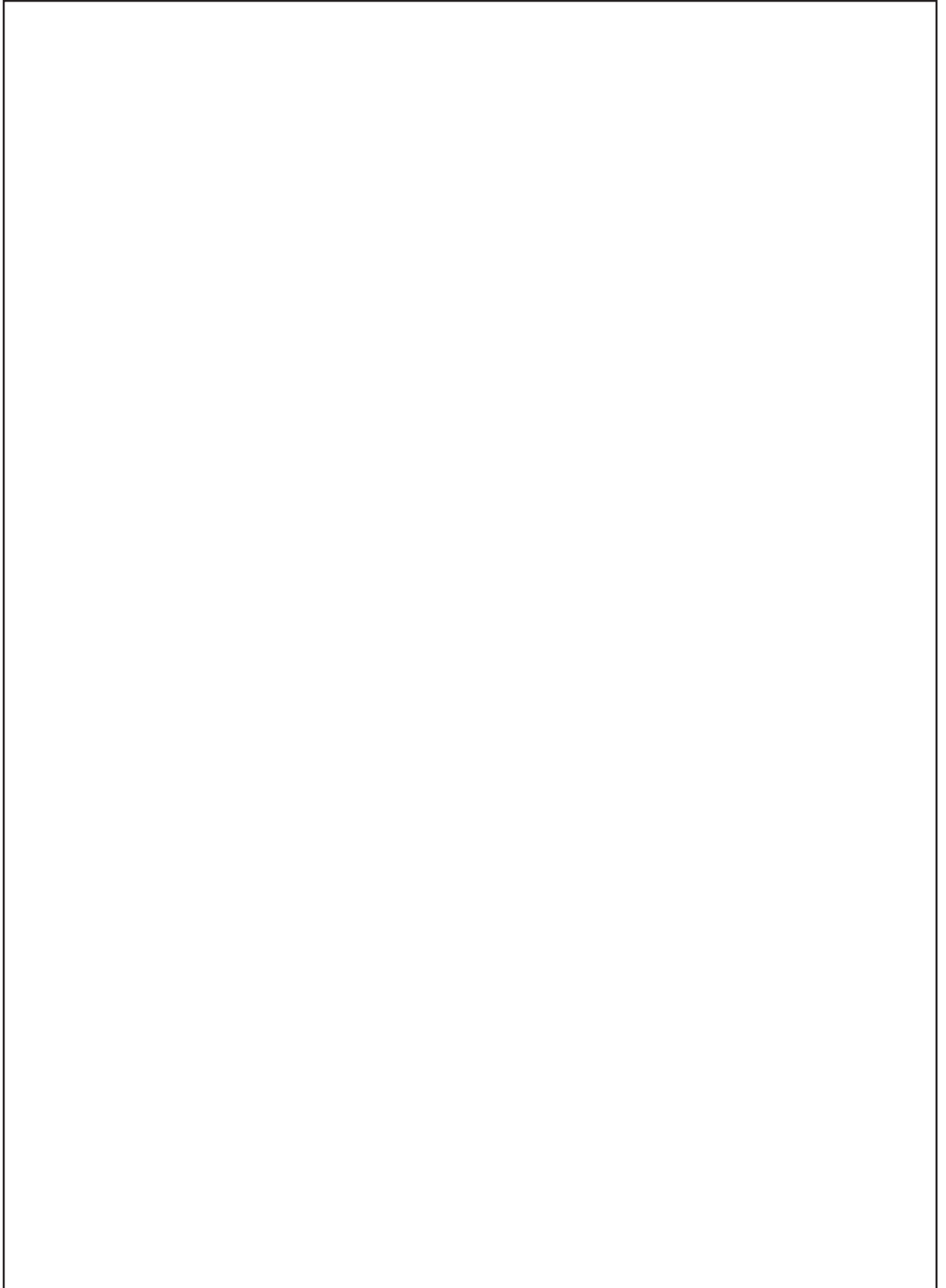
Meanwhile, the producer price situation in 2020 for certain commercially important species including inland fish species, the producer price of common carp (*Cyprinus carpio*) was recorded at US\$ 2.90/kg in Myanmar while it was US\$ 1.60/kg in Thailand. For the Nile tilapia (*Oreochromis niloticus*), the producer price was US\$ 2.24/kg in Malaysia and US\$ 1.45/kg in Myanmar. For striped snakehead, (*Channa striata*), it was US\$ 4.35/kg in Myanmar compared to US\$ 1.65/kg in Indonesia. For torpedo-shaped catfishes *nei* (*Clarias* spp.), it was US\$ 4.35/kg in Myanmar and US\$ 1.30/kg in Malaysia. The producer price of marble goby (*Oxyeleotris marmorata*) was much higher at US\$ 14.21 in Malaysia compared to US\$ 2.31/kg in Indonesia. For other freshwater prawns (Palaemonidae), the producer price in Thailand was high at US\$ 28.76/kg.

For marine fish species, the producer price of barramundi or giant sea perch, (*Lates calcarifer*) was US\$ 7.88/kg in Singapore and US\$ 2.59/kg in Indonesia. Redbelly yellowtail fusilier (*Caesio cuning*) was priced at US\$ 6.14/kg in Brunei Darussalam and US\$ 1.54/kg in Indonesia. Grouper *nei* (*Epinephelus* spp.) costed US\$ 12.78/kg in Thailand and US\$ 4.46/kg in Malaysia. Meanwhile, for threadfin breams *nei* (*Nemipterus* spp.), the producer price in Singapore was US\$ 7.53/kg and US\$ 1.94/kg in Brunei Darussalam. Threadfins and tasselfishes *nei* (Polynemidae) were US\$ 16.31/kg in Singapore and US\$ 4.41/kg in Thailand. Likewise, for silver pomfret (*Pampus argenteus*), the producer price in Thailand was relatively high at US\$ 19.17/kg.

The producer price of yellowfin tuna (*Thunnus albacares*) was highest at US\$ 3.21/kg in Malaysia while the lowest was at US\$ 1.81/kg in Brunei Darussalam. Scads *nei* (*Decapterus* spp.) was priced at US\$ 4.24/kg in Singapore and compared to US\$ 1.0/kg in Brunei Darussalam. For yellowtail scad (*Atule mate*), the highest producer price was US\$ 4.83/kg in Brunei Darussalam while the lowest price was US\$ 1.55/kg in Indonesia.

For Indo-Pacific swamp crab (*Scylla serrata*), the highest producer price was reported by Singapore at US\$ 12.72/kg while the lowest was US\$ 3.69/kg in Indonesia. For blue swimming crab (*Portunus pelagicus*), the producer price in Thailand was at US\$ 8.95/kg while the lowest was US\$ 2.52/kg in Indonesia. For the giant tiger prawn (*Penaeus monodon*), the producer price in Brunei Darussalam was quite high at US\$ 11.42/kg compared to US\$ 3.76/kg in Indonesia; while flathead prawns (*Thenus orientalis*) in Thailand was also fairly high at US\$ 7.99/kg. For common squids *nei* (*Loligo* spp.) was US\$ 5.50/kg in Singapore compared to US\$ 1.55/kg in Brunei Darussalam; while Natantia decapods *nei* was quite high at US\$ 12.60/kg in Marine Capture Fisheries Singapore. Results of the analysis indicated that the producer prices of several commodities differed in each country, considering that prices were influenced by different factors such as supply and demand, cost of production including feeds and transportation, alternative commodities, and others. Furthermore, it could be observed that there generally wide ranges of producer prices of the same commodities among the countries in the region.

III
STATISTICAL TABLES 2020



1. ANNUAL SERIES OF FISHERY PRODUCTION

1.1 Total Production

1.1.1 In Quantity

		MT				
Country		2016	2017	2018	2019	2020
Total		45,336,010	45,496,587	46,539,195	46,766,274	46,223,147
Brunei Darussalam	1	14,114	15,427	14,712	14,658	16,575
Cambodia	2	808,550	857,018	943,205	969,098	936,300
Indonesia	3	23,172,872	22,850,630	23,007,392	22,614,595	21,834,105
Lao PDR	4	166,880	180,777	179,100 ^A	183,900	200,021
Malaysia	5	1,987,682	1,897,305	1,672,447	1,872,797	1,788,940
Myanmar	6	5,598,003	5,675,462	5,877,460	5,931,815	6,013,781
Philippines	7	4,350,761	4,312,663	4,613,074	4,413,129	4,398,589
Singapore	8	7,347	6,989	7,011	7,249	5,179
Thailand	9	2,425,901	2,386,916	2,456,294	2,488,833	2,393,971
Viet Nam	10	6,803,900	7,313,400	7,768,500	8,270,200	8,635,686

1.1.2 In Value

		US\$ 1,000				
Country		2016	2017	2018	2019	2020
Total		41,155,302	50,564,226	51,811,317	55,045,395	48,650,184
Brunei Darussalam	1	50,353	55,424	44,061	60,138	81,580
Cambodia	2	...	...	...	...	...
Indonesia	3	19,429,135	28,230,060 ^A	30,956,499	31,061,751	25,212,814
Lao PDR	4	...	...	...	...	...
Malaysia	5	3,181,205	3,586,643	3,575,048	3,612,485	3,249,624
Myanmar	6	9,354,622	9,376,539	7,122,904	9,683,528	9,759,669
Philippines	7	4,527,093	4,551,009	4,849,394	5,053,999	5,238,534
Singapore	8	64,402	41,344	53,652	44,204	30,059
Thailand	9	4,368,492	4,723,207	5,209,759	5,529,289	5,077,904
Viet Nam	10	...	...	...	...	...

1.2 Marine Fishery Production**1.2.1 In Quantity**

MT

Country		2016	2017	2018	2019	2020
Total		17,027,312	17,330,277	18,330,325	18,167,839	18,216,855
Brunei Darussalam	1	13,292	13,795	13,566	13,725	13,074
Cambodia	2	126,700	121,025	153,600	137,225	122,700
Indonesia	3	6,070,965	6,268,109	6,625,367	6,416,450	6,494,140
Lao PDR	4	-	-	-	-	-
Malaysia	5	1,574,447	1,465,113	1,448,977	1,455,446	1,383,297
Myanmar	6	2,996,740	3,036,410	3,152,140	3,249,700	3,264,837
Philippines	7	1,994,338	1,911,006	2,145,735	1,900,210	1,927,343
Singapore	8	1,235	1,098	1,309	1,418	356
Thailand	9	1,275,995	1,300,421	1,392,931	1,410,665	1,310,808
Viet Nam	10	2,973,600	3,213,300	3,396,700	3,583,000	3,700,300

1.2.2 In Value

US\$ 1,000

Country		2016	2017	2018	2019	2020
Total		19,939,678	25,292,021	28,122,606	29,343,867	24,547,054
Brunei Darussalam	1	46,215	44,439	35,543	53,320	55,094
Cambodia	2	...	...	...	...	...
Indonesia	3	8,351,281	13,199,418 ^A	17,626,105	16,413,199	12,123,776
Lao PDR	4	-	-	-	-	-
Malaysia	5	2,447,329	2,774,062	2,781,682	2,770,023	2,403,129
Myanmar	6	5,094,458	5,161,897	3,152,140	5,362,005	5,386,981
Philippines	7	2,410,246	2,389,033	2,599,150	2,606,716	2,679,281
Singapore	8	8,608	7,655	9,076	9,000	2,248
Thailand	9	1,581,541	1,715,517	1,918,910	2,129,604	1,896,545
Viet Nam	10	...	...	...	...	...

1.3 Inland Fishery Production

1.3.1 In Quantity

		MT				
Country		2016	2017	2018	2019	2020
Total		3,126,166	3,226,154	3,337,066	3,316,808	3,059,714
Brunei Daussalam	1	...	...	...	...	...
Cambodia	2	509,350	528,493	535,555	524,465	413,200
Indonesia	3	426,874	467,531	612,753	649,978	494,950
Lao PDR	4	70,915	70,900	70,900	70,900	70,001
Malaysia	5	5,848	5,177	6,089	5,569	5,626
Myanmar	6	1,580,670	1,590,360	1,594,970	1,600,050	1,608,066
Philippines	7	155,509	163,870	162,974	154,681	148,415
Singapore	8	-	-	-	-	-
Thailand	9	187,300	192,623	143,825	116,465	123,256
Viet Nam	10	189,700	207,200	210,000	194,700	196,200

1.3.2 In Value

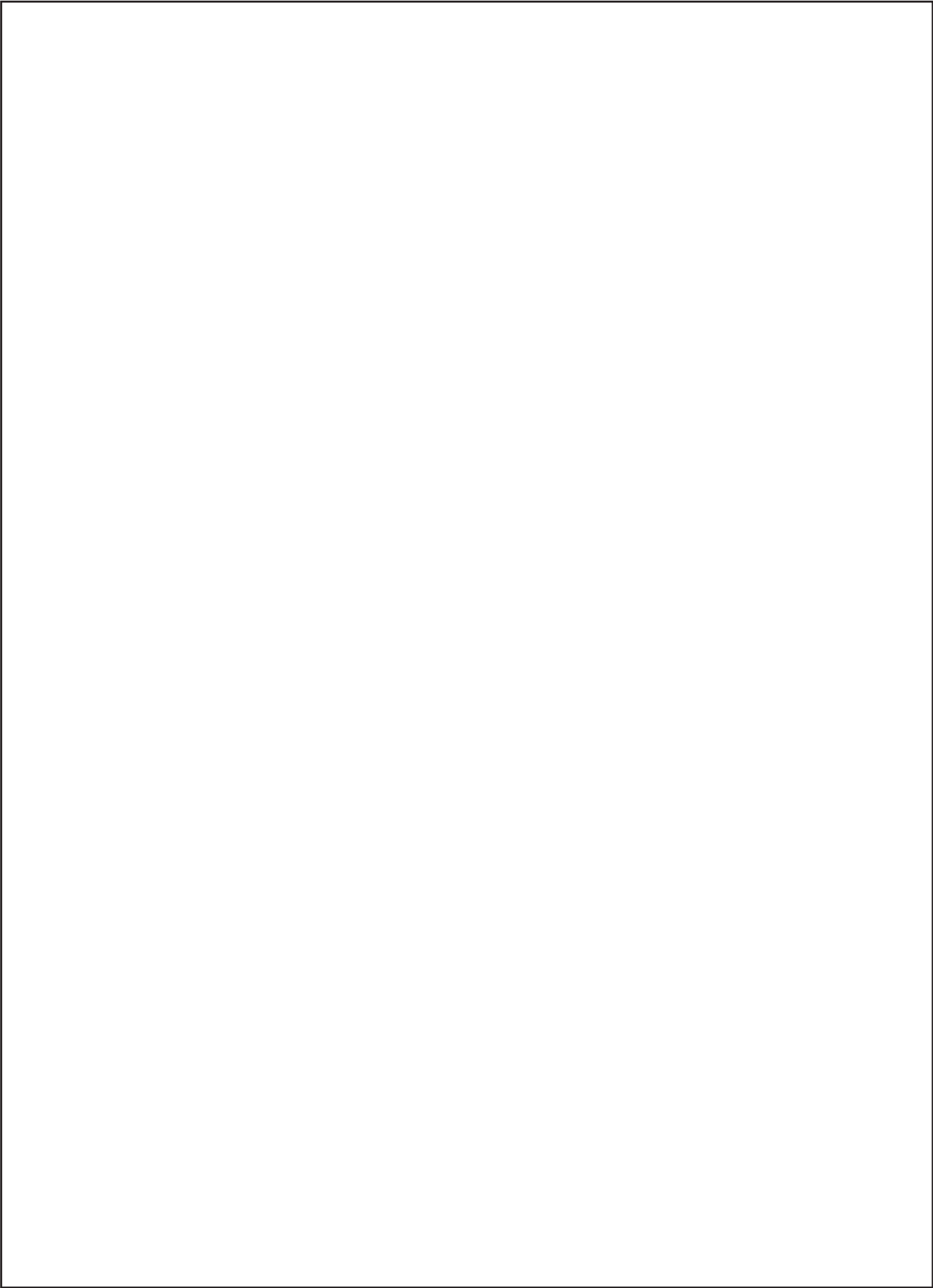
		US\$ 1,000				
Country		2016	2017	2018	2019	2020
Total		3,697,183	4,018,366	4,113,976	4,056,224	3,991,213
Brunei Darussalam	1	...	...	...	...	...
Cambodia	2	...	...	...	...	...
Indonesia	3	774,384	1,065,343	1,170,570	1,155,560	1,064,756
Lao PDR	4	...	...	...	...	...
Malaysia	5	21,570	23,926	30,578	22,033	19,797
Myanmar	6	2,450,038	2,465,058	2,472,203	2,480,080	2,492,502
Philippines	7	152,387	161,337	167,742	172,633	183,221
Singapore	8	-	-	-	-	-
Thailand	9	298,804	302,702	272,883	225,918	230,937
Viet Nam	10	...	...	...	...	...

1.4 Aquaculture Production**1.4.1 In Quantity**

		MT				
Country		2016	2017	2018	2019	2020
Total		25,182,532	24,940,156	24,871,804	25,281,627	24,946,578
Brunei Darussalam	1	822	1,632	1,146	933	3,501
Cambodia	2	172,500	207,500	254,050	307,408	400,400
Indonesia	3	16,675,033	16,114,990	15,769,272	15,548,167	14,845,015
Lao PDR	4	95,965	109,877	108,200	113,000	130,020
Malaysia	5	407,387	427,015	217,381	411,782	400,017
Myanmar	6	1,020,593	1,048,692	1,130,350	1,082,065	1,140,878
Philippines	7	2,200,914	2,237,787	2,304,365	2,358,238	2,322,831
Singapore	8	6,112	5,891	5,702	5,831	4,823
Thailand	9	962,606	893,872	919,538	961,703	959,907
Viet Nam	10	3,640,600	3,892,900 ^A	4,161,800	4,492,500	4,739,186

1.4.2 In Value

		US\$ 1,000				
Country		2016	2017	2018	2019	2020
Total		17,518,441	21,253,839	19,574,735	21,645,304	20,111,917
Brunei Darussalam	1	4,138	10,985	8,518	6,818	26,486
Cambodia	2	...	...	...	...	...
Indonesia	3	10,303,470	13,965,299	12,159,824	13,492,992	12,024,282
Lao PDR	4	...	...	...	...	...
Malaysia	5	712,306	788,655	762,788	820,430	826,698
Myanmar	6	1,990,126	1,749,584	1,498,561	1,841,443	1,880,186
Philippines	7	1,964,460	2,000,639	2,082,502	2,274,650	2,376,032
Singapore	8	55,794	33,689	44,576	35,204	27,811
Thailand	9	2,488,147	2,704,988	3,017,966	3,173,767	2,950,422
Viet Nam	10	...	...	...	...	...



2. FISHERY PRODUCTION BY SUB-SECTOR

2.1 In Quantity, 2020

MT

Country	Total	Marine Capture Fishery	Inland Capture Fishery
Total	46,223,147	18,216,855	3,059,714
Brunei Darussalam 1	16,575	13,074	-
Cambodia 2	936,300	122,700	413,200
Indonesia 3	21,834,105	6,494,140	494,950
Lao PDR 4	200,021	-	70,001
Malaysia 5	1,788,940	1,383,297	5,626
Myanmar 6	6,013,781	3,264,837	1,608,066
Philippines 7	4,398,589	1,927,343	148,415
Singapore 8	5,179	356	-
Thailand 9	2,393,971	1,310,808	123,256
Viet Nam 10	8,635,686	3,700,300	196,200

2.1 In Quantity, 2020 (cont'd)

MT

Country	Aquaculture			
	Sub-total	Mariculture	Brackishwater culture	Freshwater culture
Total	24,946,578	10,631,289	5,613,472	8,701,817
Brunei Darussalam 1	3,501	411	3,050	40
Cambodia 2	400,400	19,020	1,600	379,780
Indonesia 3	14,845,015	8,220,781	3,233,258	3,390,976
Lao PDR 4	130,020	-	-	130,020
Malaysia 5	400,017	202,306	100,502	97,210
Myanmar 6	1,140,878	171	62,395	1,078,312
Philippines 7	2,322,831	1,691,363	346,551	284,917
Singapore 8	4,823	3,887	263	673
Thailand 9	959,907	119,001	435,250	405,656
Viet Nam 10	4,739,186	374,350	1,430,603	2,934,233

2.2 In Value, 2020

US\$ 1,000

Country		Total	Marine Capture Fishery	Inland Capture Fishery
Total		48,650,184	24,547,054	3,991,213
Brunei Darussalam	1	81,580	55,094	-
Cambodia	2	...	...	...
Indonesia	3	25,212,814	12,123,776	1,064,756
Lao PDR	4	...	-	...
Malaysia	5	3,249,624	2,403,129	19,797
Myanmar	6	9,759,669	5,386,981	2,492,502
Philippines	7	5,238,534	2,679,281	183,221
Singapore	8	30,059	2,248	-
Thailand	9	5,077,904	1,896,545	230,937
Viet Nam	10	...	...	...

2.2 In Value, 2020 (cont'd)

US\$ 1,000

Country		Aquaculture			
		Sub-total	Mariculture	Brackishwater culture	Freshwater culture
Total		20,111,917	2,589,282	9,412,258	8,110,377
Brunei Darussalam	1	26,486	3,243	23,004	239
Cambodia	2	...	...	...	...
Indonesia	3	12,024,282	1,788,440	5,051,485	5,184,357
Lao PDR	4	...	-	-	...
Malaysia	5	826,698	34,916	564,551	227,231
Myanmar	6	1,880,186	615	477,569	1,402,002
Philippines	7	2,376,032	604,460	1,267,002	504,570
Singapore	8	27,811	19,334	3,196	5,281
Thailand	9	2,950,422	138,274	2,025,451	786,697
Viet Nam	10	...	...	...	...

3. MARINE CAPTURE FISHERY STATISTICS

3.1 Number of Fishing Boats by Type and Gross Tonnage, 2020

Country, Sub-area	Total	Non-powered boat			
			Sub-total	Out-board powered boat	
Brunei Darussalam	1	1,332	139	1,193	1,178
Brunei Muara	2	794	78	716	701
Kuala Belait	3	149	35	114	114
Tutong	4	156	21	135	135
Temburing	5	233	5	228	228
Cambodia	6	...	...	...	...
Indonesia	7	1,161,332	159,417	1,001,915	503,955
Malacca Strait	8	66,998	5,281	61,717	12,953
South China Sea	9	119,171	18,810	100,361	21,453
Java Sea	10	202,938	2,053	200,885	63,585
Makassar Strait and Flores Sea	11	204,717	16,646	188,071	109,021
Banda Sea	12	145,718	31,762	113,956	70,237
Arafura Sea	13	13,180	4,498	8,682	2,626
Tomini Bay and Maluku Sea	14	89,987	26,698	63,289	53,369
Sulawesi and Pacific Ocean	15	80,572	20,045	60,527	36,443
Indian Ocean	16	238,051	33,624	204,427	134,268
Malaysia	17	48,826	3,111	45,715	31,110
West Coast of Peninsular	18	18,550	45	18,505	12,303
East Coast of Peninsular	19	7,323	1	7,322	4,176
Sabah	11	17,588	3,065	14,523	11,227
Sarawak	12	5,103	...	5,103,	3,145
Labuan	13	262	...	262	259
Myanmar	14	22,407	4,337	18,070	14,854
Taninthayi	15	12,529	3,162	9,367	7,883
Mon	16	1,597	60	1,537	1,217
Yangon	17	1,913	259	1,654	729
Rakhine	18	3,917	503	3,414	3,408
Ayeyarwady	19	2,451	353	2,098	1,617
Philippines ¹	20	5,557	...	5,557	...
Singapore	24	31	...	31	23
Thailand	25	10,388	...	10,388	...
Gulf of Thailand	26	8,449	...	8,449	...
Indian Ocean	27	1,939	...	1,939	...
Viet Nam ²	28	35,214	...	...	...

Notes: 1 Figures from Philippines Fisheries Profile 2020
2 Figures from Statistical Handbook of Viet Nam 2020

Powered boat								
In-board powered boat								
Sub-total	< 5 GT	5-9.9 GT	10-19.9 GT	20-49.9 GT	50-99.9 GT	100-199.9 GT	200-499.9 GT	≥ 500 GT
15	...	...	...	6	6	1	1	1
...
...
...
...
...
497,960	388,618	64,708	21,589	18,627	2,786	1,616	16	...
48,764	38,127	8,319	1,012	1,200	67	39	...	...
78,908	64,561	11,333	1,289	828	604	289	4	...
137,300	102,603	19,287	6,605	8,319	329	157	...	...
79,050	64,856	7,329	4,119	2,539	131	75	1	...
43,719	36,580	3,996	2,379	741	13	10	...	...
6,056	811	962	1,298	1,554	879	545	7	...
9,920	7,205	956	607	973	125	53	1	...
24,084	21,919	1,166	542	376	40	40	1	...
70,159	51,956	11,360	3,738	2,097	598	408	2	...
14,605	2,245	3,503	2,918	3,052 ^A	2,887 ^B	...	...	...
6,202	330	1,910	1,128	1,375 ^A	1,459 ^B	...	...	...
3,146	256	508	907	496 ^A	979 ^B	...	...	...
3,296	868	698	642	963 ^A	125 ^B	...	...	...
1,958	791	387	240	218 ^A	322 ^B	...	...	...
3	...	...	1	...	2 ^B	...	...	...
3,216	...	35	219	534	768	1,065	576	19
1,484	...	...	1	59	434	439	532	19
320	...	22	69	171	58	...	...	...
925	...	...	...	26	230	625	44	...
6	...	...	3	3	...	...	...	...
481	...	13	146	275	46	1	...	...
5,557	2,633 ^C	...	...	2,550 ^D	...	374 ^E	...	...
8	...	...	1	6	1	...	...	...
10,388	30	225	2,615	4,234	2,637	626	21	...
8,449	30	187	2,165	3,504	2,060	498	5	...
1,939	...	38	450	730	577	128	16	...
...

Notes: A In-board powered boat 25-39.9 GT
B In-board powered boat >40 GT
C In-board powered boat 3.1-20 GT
D In-board powered boat 20.1-150 GT
E In-board powered boat >150 GT

3.2 Number of Fishing Units by Size of Boat, 2020

3.2.1 Brunei Darussalam

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat								
				Sub-total	<5 GT	5-9.9 GT	10-19.9 GT	20-49.9 GT	50-99.9 GT	100-199.9 GT	200-499.9 GT	
All Purse Seines	1	33	1	25	7	...	...	3	3	1	...	...
Anchovy Purse Seine	2	...	...	...	...	...	...	...	...	...	...	...
Fish Purse Seine	3	7	...	...	7	...	...	3	3	1	...	...
All Seine Nets	4	...	...	...	...	...	...	...	...	...	...	...
Boat Seine	5	...	...	...	...	...	...	...	...	...	...	...
Beach Seine	6	...	...	...	...	...	...	...	...	...	...	...
All Trawls	7	31	...	...	31	...	...	1	19	10	1	...
Beam Trawl	8	...	...	...	...	...	...	...	...	...	...	...
Otter Board Trawl	9	31	...	...	31	...	...	1	19	10	1	...
Pair Trawl	10	...	...	...	...	...	...	...	...	...	...	...
Lift Nets	11	...	...	...	...	...	...	...	...	...	...	...
All Falling Nets	12	189	12	177	...	...	...	...	...	...	...	...
Anchovy Falling Net	13	...	...	...	...	...	...	...	...	...	...	...
Squid Falling Net	14	...	...	...	...	...	...	...	...	...	...	...
Gill Nets	15	1019	54	965	...	...	...	...	...	...	...	...
All Traps	16	115	5	110	...	...	...	...	...	...	...	...
Stationary Trap	17	18	2	16	...	...	...	...	...	...	...	...
Portable Trap	18	...	...	...	...	...	...	...	...	...	...	...
Hooks & Lines	19	1280	57	1223	...	...	...	...	...	...	...	...
Push/Scoop Nets	20	7	4	3	...	...	...	...	...	...	...	...
Shellfish & Seaweed Collecting Gears	21	...	...	...	...	...	...	...	...	...	...	...
Others	22	...	...	...	...	...	...	...	...	...	...	...

Notes: Many types of fishing gears could be used in one boat
The calculation of data is based on unit of fishing gears

3.2 Number of Fishing Units by Size of Boat, 2020

3.2.2 Indonesia

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat								
				Sub-total	<5 GT	5-9.9 GT	10-19.9 GT	20-49.9 GT	50-99.9 GT	100-199.9 GT	200-499.9 GT	
All Purse Seines	1	25,127	1,079	4,656	19,392	5,797	3,585	4,196	4,132	735	936	11
Anchovy Purse Seine	2	-	-	-	-	-	-	-	-	-	-	-
Fish Purse Seine	3	25,127	1,079	4,656	19,392	5,797	3,585	4,196	4,132	735	936	11
All Seine Nets	4	51,175	2,880	15,160	33,135	16,621	6,662	4,066	5,786	-	-	-
Boat Seine	5	44,112	104	11,735	32,273	16,265	6,169	4,053	5,786	-	-	-
Beach Seine	6	7,063	2,776	3,425	862	356	493	13	-	-	-	-
All Trawls	7	28,392	1,592	8,069	18,731	16,276	2,135	216	102	-	-	2
Beam Trawl	8	12,376	226	1,293	10,857	10,817	24	6	10	-	-	-
Otter Board Trawl	9	15,939	1,366	6,775	7,798	5,406	2,088	210	92	-	-	2
Pair Trawl	10	77	-	1	76	53	23	-	-	-	-	-
Lift Nets	11	34,324	2,222	13,217	18,885	13,786	3,400	1,062	624	13	-	-
All Falling Nets	12	15,405	4,892	4,437	6,076	4,830	189	76	389	579	13	-
Anchovy Falling Net	13	...	...	...	...	...	...	...	...	...	...	...
Squid Falling Net	14	...	...	...	...	...	...	...	...	...	...	...
Gill Nets	15	444,393	42,804	191,387	210,202	172,768	29,509	5,459	1,965	325	173	3
All Traps	16	60,849	19,151	41,698	40,729	35,161	4,675	655	238	-	-	-
Stationary Trap	17	...	...	...	...	...	...	...	...	-	-	-
Portable Trap	18	...	...	...	...	...	...	...	...	-	-	-
Hooks & Lines	19	444,587	82,368	220,800	141,419	111,913	19,216	5,467	3,515	819	489	-
Push/Scoop Nets	20	2,085	108	581	1,396	1,221	129	39	7	-	-	-
Shellfish & Seaweed Collecting Gears	21	-	-	-	-	-	-	-	-	-	-	-
Others	22	32,624	4,649	12,872	15,103	10,975	1,356	591	1,861	315	5	-

3.2 Number of Fishing Units by Size of Boat, 2020

3.2.3 Malaysia

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat							
				Sub-total	<5 GT	5-9.9 GT	10-19.9 GT	20-39.9 GT	40-69.9 GT	>70 GT	
All Purse Seines	1	1,222	-	16	1,106	49	52	71	242	348	344
Anchovy Purse Seine	2	134	-	9	125	18	3	19	11	6	68
Fish Purse Seine	3	98	-	7	981	31	49	52	231	342	276
All Seine Nets	4	570	4	55	511	7	502	2	-	-	-
Boat Seine	5	503	-	-	503	3	500	-	-	-	-
Beach Seine	6	-	-	-	-	-	-	-	-	-	-
Others	7	67	4	55	8	4	2	2	-	-	-
All Trawls	8	5,344	-	-	5,344	71	275	1,110	2,017	1,685	186
Beam Trawl	9	...	-	-	...	...	...	...	...	...	...
Otter Board Trawl	10	...	-	-	...	...	...	...	...	...	...
Pair Trawl	11	...	-	-	...	...	...	...	...	...	...
Lift Nets	12	429	51	351	27	4	11	10	1	-	1
All Falling Nets	13	-	-	-	-	-	-	-	-	-	-
Anchovy Falling Net	14	-	-	-	-	-	-	-	-	-	-
Squid Falling Net	15	-	-	-	-	-	-	-	-	-	-
Gill Nets	16	30,898	1,434	24,921	4,543	1,418	1,965	907	198	55	-
All Traps	17	1,328	262	677	389	46	54	116	85	84	4
Stationary Trap	18	166	45	102	19	13	6	-	-	-	-
Portable Trap	19	1,162	217	575	370	33	48	116	85	84	4
Hooks & Lines	20	6,049	648	3,823	1,578	432	386	450	174	86	50
Push/Scoop Nets	21	49	-	8	41	1	5	14	5	12	4
Shellfish & Seaweed Collecting Gears	22	177	105	41	31	21	9	-	1	-	-
Others	23	2,860	607	1,218	1,035	196	244	238	329	23	5

3.2 Number of Fishing Units by Size of Boat, 2020

3.2.4 Myanmar

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat								
				Sub-total	<5 GT	5-9.9 GT	10-19.9 GT	20-49.9 GT	50-99.9 GT	100-199.9 GT	200-499.9 GT	
All Purse Seines	1	856	-	528	328	-	-	11	99	68	143	7
Anchovy Purse Seine	2	228	-	228	...	-	-	...	...	...	...	...
Fish Purse Seine	3	300	-	300	...	-	-	...	...	...	...	...
All Seine Nets	4	473	135	338	-	-	-	-	-	-	-	-
Boat Seine	5	31	-	31	-	-	-	-	-	-	-	-
Beach Seine	6	442	135	307	-	-	-	-	-	-	-	-
All Trawls	7	1,440	-	-	1,440	-	-	-	28	449	912	51
Beam Trawl	8	...	-	-	...	-	-	-	...	...	...	...
Otter Board Trawl	9	...	-	-	...	-	-	-	...	...	...	...
Pair Trawl	10	...	-	-	...	-	-	-	...	...	...	...
Lift Nets	11	-	-	-	-	-	-	-	-	-	-	-
All Falling Nets	12	1,285	-	917	368	-	1	43	262	62	-	-
Anchovy Falling Net	13	-	-	-	-	-	-	-	-	-	-	-
Squid Falling Net	14	1,285	-	917	368	-	1	43	262	62	-	-
Gill Nets	15	8,177	378	7,440	359	-	27	146	169	16	1	-
All Traps	16	7,217	3,697	3,416	104	-	-	3	56	45	-	-
Stationary Trap	17	4,792	2,483	2,309	...	-	-	...	...	...	-	-
Portable Trap	18	2,321	1,214	1,107	...	-	-	...	...	...	-	-
Hooks & Lines	19	1,122	127	979	16	-	-	4	8	3	1	-
Push/Scoop Nets	20	-	-	-	-	-	-	-	-	-	-	-
Shellfish & Seaweed Collecting Gears	21	-	-	-	-	-	-	-	-	-	-	-
Others	22	1,837	-	1,236	601	-	8	70	287	130	101	5

3.2 Number of Fishing Units by Size of Boat, 2020

3.2.6 Thailand

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat							
				Sub-total	<5 GT	5-9.9 GT	10-19.9 GT	20-49.9 GT	50-99.9 GT	100-199.9 GT	200-499.9 GT
All Purse Seines	1	991	...	991	2	9	35	153	504	281	7
Anchovy Purse Seine	2	177	...	177	-	3	21	51	50	51	1
Fish Purse Seine	3	814	...	814	2	6	14	102	454	230	6
All Seine Nets	4	...	...	...	...	...	...	...	...	...	...
Boat Seine	5	...	...	...	...	...	...	...	...	...	...
Beach Seine	6	...	...	...	...	...	...	...	...	...	...
All Trawls	7	3,555	...	3,555	14	125	299	1,192	1,588	327	10
Beam Trawl	8	443	...	443	-	10	48	259	119	7	-
Otter Board Trawl	9	1,984	...	1,984	14	113	251	822	675	99	10
Pair Trawl	10	1,128	...	1,128	-	2	-	111	794	221	-
Lift Nets	11	67	...	67	-	-	9	44	14	-	-
All Falling Nets	12	2,217	...	2,217	3	6	604	1,226	363	13	2
Anchovy Falling Net	13	558	...	558	-	-	82	263	208	5	-
Squid Falling Net	14	1,659	...	1,659	3	6	522	963	155	8	2
Gill Nets	15	962	...	962	-	7	373	410	154	16	2
All Traps	16	1,883	...	1,883	5	7	774	969	114	13	1
Stationary Trap	17	...	...	...	...	...	...	...	...	...	...
Portable Trap	18	...	...	...	...	...	...	...	...	...	...
Hooks & Lines	19	8,119	...	8,119	10	164	1,923	3,255	2,196	553	18
Push/Scoop Nets	20	113	...	113	1	2	35	63	12	-	-
Shellfish & Seaweed Collecting Gears	21	-	-	-	-	-	-	-	-	-	-
Others	22	2,224	...	2,224	29	131	1,041	1,003	20	-	-

Notes: Others including seine nets, other nets, and shellfish & seaweed collecting gears
One fishing vessel register not more than 3 type of fishing gears

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	57	-	-
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	71	5.12	...
<i>Tenualosa toli</i>	Toli shad	57	-	-
<i>Tenualosa toli</i>	Toli shad	71	...	...
<i>Pellona ditchela</i>	Indian pellona	57	-	-
<i>Pellona ditchela</i>	Indian pellona	71	...	...
Clupeoidei	Diadromous clupeoids <i>nei</i>	57	-	-
Clupeoidei	Diadromous clupeoids <i>nei</i>	71	...	...
<i>Lates calcarifer</i>	Barramundi (=Giant seaperch)	57	-	-
<i>Lates calcarifer</i>	Barramundi (=Giant seaperch)	71	...	...
<i>Psettodes erumei</i>	Indian halibut	57	-	-
<i>Psettodes erumei</i>	Indian halibut	71	8.12	...
<i>Chanos chanos</i>	Milkfish	71	...	...
Cynoglossidae	Tonguefishes	57	-	-
Cynoglossidae	Tonguefishes	71	...	...
Pleuronectiformes	Flatfishes <i>nei</i>	57	-	-
Pleuronectiformes	Flatfishes <i>nei</i>	71	...	...
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	57	-	-
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	71	12.8	...
<i>Harpadon nehereus</i>	Bombay-duck	57	-	-
<i>Harpadon nehereus</i>	Bombay-duck	71	...	...
<i>Saurida tumbil</i>	Greater lizardfish	57	-	-
<i>Saurida tumbil</i>	Greater lizardfish	71	...	...
Synodontidae	Lizardfishes <i>nei</i>	57	-	-
Synodontidae	Lizardfishes <i>nei</i>	71	...	...
Ariidae	Sea catfishes <i>nei</i>	57	-	-
Ariidae	Sea catfishes <i>nei</i>	71	4.5	...
<i>Plotosus</i> spp.	Eeltail catfishes	57	-	-
<i>Plotosus</i> spp.	Eeltail catfishes	71	...	...
Mugilidae	Mulletts <i>nei</i>	57	-	-
Mugilidae	Mulletts <i>nei</i>	71	0.1	...
Caesionidae	Fusiliers <i>nei</i>	57	-	-
Caesionidae	Fusiliers <i>nei</i>	71	0.62	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
2,934	-	7,01	...	-	-	...	-
14,400	-	2,584	-	1,225	...	...	...
136	-	-	-	...	-
6	-	...	-
...	-	14,724	...	-	-	...	-
...	-	3,969	-	854	...	...	...
...	-	30	...	-	-	...	-
...	-	2,150	-	...	...	...	...
4,773	-	1,202	...	-	-	456	-
29,440	-	2,120	-	481	23	305	...
4,868	-	-	-	75	-
6,838	-	...	-	339	...
...	-	...	-	201	...	...	...
...	-	3,322	...	-	-	684	-
...	-	774	-	...	...	1,462	...
...	-	3,286	...	-	-	...	-
...	-	944	-	639	...	...	...
...	-	153	...	-	-	...	-
...	-	323	-	975	...	...	...
1,291	-	233	...	-	-	...	-
4,285	-	2,839	-	...	...	...	...
491	-	-	-	...	-
2,629	-	...	-
...	-	32,369	...	-	-	8,061	-
...	-	10,192	-	3,476	...	12,316	...
11,794	-	12,417	...	-	-	638	-
77,852	-	10,577	-	4,032	17	998	...
...	-	1,283	...	-	-	549	-
...	-	1,811	-	...	...	684	...
14,532	-	6,209	...	-	-	899	-
69,678	-	3,080	-	15,206	19	2,635	...
2,443	-	7	...	-	-	...	-
29,260	-	1,787	-	18,914	8	...	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Epinephelus merra</i>	Honeycomb grouper	57	-	-
<i>Epinephelus merra</i>	Honeycomb grouper	71	...	...
<i>Epinephelus tauvina</i>	Greasy grouper	57	-	-
<i>Epinephelus tauvina</i>	Greasy grouper	71	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	57	-	-
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	71	11.8	...
<i>Cephalopholis boenak</i>	Chocolate hind	57	-	-
<i>Cephalopholis boenak</i>	Chocolate hind	71	...	...
<i>Cromileptes altivelis</i>	Humpback grouper	57	-	-
<i>Cromileptes altivelis</i>	Humpback grouper	71	...	...
<i>Plectropomus leopardus</i>	Leopard coralgroup	57	-	-
<i>Plectropomus leopardus</i>	Leopard coralgroup	71	...	...
<i>Priacanthus macracanthus</i>	Red bigeye	57	-	-
<i>Priacanthus macracanthus</i>	Red bigeye	71	...	...
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	57	-	-
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	71	18.53	...
<i>Sillago sihama</i>	Silver sillago	57	-	-
<i>Sillago sihama</i>	Silver sillago	71	...	...
Sillaginidae	Sillago-whitings	57	-	-
Sillaginidae	Sillago-whitings	71	...	...
<i>Mene maculata</i>	Moonfish	71	...	...
Sciaenidae	Croakers, drums <i>nei</i>	57	-	-
Sciaenidae	Croakers, drums <i>nei</i>	71	29.41	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	57	-	-
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	71	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	57	-	-
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	71	...	...
Lutjanidae	Snappers, jobfishes <i>nei</i>	57	-	-
Lutjanidae	Snappers, jobfishes <i>nei</i>	71	30.13	...
Serranidae	Groupers, seabasses <i>nei</i>	57	-	-
Serranidae	Groupers, seabasses <i>nei</i>	71	...	...
<i>Pristipomoides</i> spp.	Jobfishes <i>nei</i>	57	-	-
<i>Pristipomoides</i> spp.	Jobfishes <i>nei</i>	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
307	-	-	-	...	-
1,064	-	...	-
18	-	-	-	...	-
757	-	...	-
...	-	1,220	...	-	-	...	-
...	-	6,717	-	...	7	...	...
12	-	-	-	...	-
90	-	...	-
3,267	-	-	-	...	-
2,389	-	...	-
562	-	-	-	...	-
9,873	-	...	-
4	-	-	-	...	-
1,089	-	...	-
1,752	-	2,423	...	-	-	3,938	-
31,489	-	8,623	-	...	...	9,722	...
2,434	-	-	-	...	-
1,707	-	...	-
...	-	515	...	-	-	820	-
...	-	849	-	11,758	0.1	912	...
...	-	...	-	10,546	8	...	...
...	-	27,276	...	-	-	3,055	-
...	-	10,736	-	...	4	8,443	...
...	-	2,647	...	-	-	...	-
...	-	9,314	-	...	...	...	...
44,377	-	304	...	-	-	...	-
169,199	-	4,472	-	...	29	...	...
...	-	149	...	-	-	5,316	-
...	-	2,474	-	16,514	0.1	3,757	...
...	-	-	-	1,866	-
...	-	...	-	19,518	...	1,858	...
1,066	-	-	-	...	-
7,605	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	57	-	-
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	71	50.48	...
<i>Scolopsis</i> spp.	Monocle breams	57	-	-
<i>Scolopsis</i> spp.	Monocle breams	71	...	...
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	57	-	-
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	71	46.97	...
Leiognathidae	Ponyfishes(=Slipmouths) <i>nei</i>	57	-	-
Leiognathidae	Ponyfishes(=Slipmouths) <i>nei</i>	71	...	...
<i>Plectorhinchus</i> spp.	Sweetlips, rubberlips <i>nei</i>	57	-	-
<i>Plectorhinchus</i> spp.	Sweetlips, rubberlips <i>nei</i>	71	...	...
<i>Pomadasys argenteus</i>	Silver grunt	57	-	-
<i>Pomadasys argenteus</i>	Silver grunt	71	...	...
Haemulidae (=Pomodasyidae)	Grunts, sweetlips <i>nei</i>	57	-	-
Haemulidae (=Pomodasyidae)	Grunts, sweetlips <i>nei</i>	71	16.32	...
Lethrinidae	Emperors(=Scavengers) <i>nei</i>	57	-	-
Lethrinidae	Emperors(=Scavengers) <i>nei</i>	71	2.24	...
Sparidae	Porgies, seabreams <i>nei</i>	71	...	...
Mullidae	Goatfishes, red mullets <i>nei</i>	71	...	...
<i>Upeneus</i> spp.	Goatfishes	57	-	-
<i>Upeneus</i> spp.	Goatfishes	71	...	...
<i>Gerres</i> spp.	Mojarras(=Silver-biddies) <i>nei</i>	57	-	-
<i>Gerres</i> spp.	Mojarras(=Silver-biddies) <i>nei</i>	71	0.06	...
<i>Drepane punctata</i>	Spotted sicklefish	57	-	-
<i>Drepane punctata</i>	Spotted sicklefish	71	1.30	...
<i>Cheilinus undulatus</i>	Humphead wrasse	57	-	-
<i>Cheilinus undulatus</i>	Humphead wrasse	71	...	...
Labridae	Wrasses, hogfishes, etc. <i>nei</i>	57	-	-
Labridae	Wrasses, hogfishes, etc. <i>nei</i>	71	...	...
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	57	-	-
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	71	1.48	...
Ambassidae	Glassfishes	71	...	...
Percoidei	Percoids <i>nei</i>	71	...	...
Polynemidae	Threadfins, Tasselfishes <i>nei</i>	57	-	-
Polynemidae	Threadfins, Tasselfishes <i>nei</i>	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
8,611	-	16,770	...	-	-	9,723	-
35,231	-	24,302	-	39,360	11	21,628	...
...	-	25	...	-	-	1,442	-
...	-	1,471	-	...	...	6,648	...
...	-	7,277	...	-	-	...	-
...	-	2,259	-	...	3	...	...
10,797	-	-	-	...	-
46,042	-	...	-	39,587	...	...	...
9,335	-	-	-	...	-
33,310	-	...	-
...	-	1,287	...	-	-	...	-
...	-	2,367	-	...	...	...	...
3,642	-	23	...	-	-	...	-
10,044	-	1,202	-	...	6	...	...
5,733	-	32	...	-	-	...	-
49,674	-	1,118	-	...	...	...	...
...	-	...	-	10,167	...	...	...
...	-	...	-	26,920	...	...	...
3,459	-	3,349	...	-	-	...	-
37,346	-	8,297	-	...	17	...	...
...	-	102	...	-	-	...	-
...	-	1,153	-	4,815	...	...	...
...	-	656	...	-	-	...	-
...	-	1,757	-	93	...	...	...
...	-	-	-	...	-
243	-	...	-
...	-	114	...	-	-	...	-
...	-	1,846	-	14,713	...	...	...
10,226	-	-	-	...	-
30,013	-	...	-
...	-	...	-	1,157	...	...	...
...	-	...	-	10,197	...	...	...
...	-	8,491	...	-	-	234	-
...	-	6,069	-	2,517	10	2,227	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	57	-	-
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	71	3.30	...
<i>Terapon</i> spp.	Terapon perches <i>nei</i>	57	-	-
<i>Terapon</i> spp.	Terapon perches <i>nei</i>	71	...	...
Gobiidae	Gobies <i>nei</i>	71	...	...
<i>Acanthocybium solandri</i>	Wahoo	57	-	-
Acanthuridae	Surgeonfishes <i>nei</i>	71	...	...
<i>Platax</i> spp.	Batfishes	71	...	...
<i>Scatophagus</i> spp.	Scats	71	...	...
Balistidae	Triggerfishes, durgons <i>nei</i>	57	-	-
Balistidae	Triggerfishes, durgons <i>nei</i>	71	0.56	...
<i>Muraenesox cinereus</i>	Daggertooth pike conger	57	-	-
<i>Muraenesox cinereus</i>	Daggertooth pike conger	71	5.24	...
<i>Trichiurus lepturus</i>	Largehead hairtail	57	-	-
<i>Trichiurus lepturus</i>	Largehead hairtail	71	8.55	...
Trichiuridae	Hairtails <i>nei</i>	57	-	-
Trichiuridae	Hairtails <i>nei</i>	71	...	...
Congridae	Conger eels, etc. <i>nei</i>	71	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	57	-	-
<i>Amblygaster sirm</i>	Spotted sardinella	71	1.12	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	57	-	-
<i>Sardinella gibbosa</i>	Goldstripe sardinella	71	...	...
<i>Sardinella lemuru</i>	Bali sardinella	57	-	-
<i>Sardinella lemuru</i>	Bali sardinella	71	...	...
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	57	-	-
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	71	0.20	...
<i>Dussumieria acuta</i>	Rainbow sardine	57	-	-
<i>Dussumieria acuta</i>	Rainbow sardine	71	50.56	...
<i>Stolephorus</i> spp.	Stolephorus anchovies <i>nei</i>	57	-	-
<i>Stolephorus</i> spp.	Stolephorus anchovies <i>nei</i>	71	0.10	...
<i>Chirocentrus dorab</i>	Dorab wolf-herring	57	-	-
<i>Chirocentrus dorab</i>	Dorab wolf-herring	71	4.33	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	57	-	-
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
10,709	-	572	...	-	-	...	-
68,247	-	1,541	-	25,037	11	...	...
1,346	-	-	-	...	-
2,187	-	...	-
...	-	...	-	8,645	...	...	...
285	-	-	-	...	-
...	-	...	-	3,813	...	...	...
...	-	...	-	2,389	...	...	...
...	-	...	-	1,905	...	...	...
...	-	65	...	-	-	...	-
...	-	447	-	...	...	...	...
...	-	5,041	...	-	-	222	-
...	-	3,360	-	...	...	972	...
...	-	10,523	...	-	-	4,791	-
...	-	6,985	-	...	5	3,221	...
44,593	-	-	-	...	-
26,045	-	...	-	11,780	...	...	...
...	-	...	-	3,049	...	...	...
6,246	-	-	-	...	-
21,214	-	...	-
38,714	-	-	-	...	-
113,358	-	...	-
46,633	-	-	-	...	-
15,846	-	...	-	339,881	...	...	...
...	-	-	-	14,343	-
...	-	...	-	55,361	...	43,092	...
7,425	-	-	-	...	-
15,702	-	...	-	5,607	...	...	...
6,567	-	5,171	...	-	-	...	-
37,718	-	21,496	-	37,663	...	...	...
...	-	-	-	1,259	-
...	-	...	-	2,425	...
3,580	-	1,842	...	-	-	...	-
11,099	-	3,535	-	267	13	...	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Engraulidae	Anchovies, etc. <i>nei</i>	57	-	-
Engraulidae	Anchovies, etc. <i>nei</i>	71	...	...
Clupeoidei	Clupeoids <i>nei</i>	57	-	-
Clupeoidei	Clupeoids <i>nei</i>	71	...	...
<i>Gymnosarda unicolor</i>	Dogtooth tuna	57	-	-
<i>Sarda orientalis</i>	Striped bonito	57	-	-
<i>Sarda orientalis</i>	Striped bonito	71	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	57	-	-
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	71	19.13	...
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	57	-	-
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	71	2.40	...
<i>Scomberomorus</i> spp.	Seerfishes <i>nei</i>	57	-	-
<i>Scomberomorus</i> spp.	Seerfishes <i>nei</i>	71	...	...
<i>Auxis thazard</i>	Frigate tuna	57	-	-
<i>Auxis thazard</i>	Frigate tuna	71	41.56	...
<i>Auxis rochei</i>	Bullet tuna	57	-	-
<i>Auxis rochei</i>	Bullet tuna	71	...	...
<i>Euthynnus affinis</i>	Kawakawa	57	-	-
<i>Euthynnus affinis</i>	Kawakawa	71	13.14	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	57	-	-
<i>Katsuwonus pelamis</i>	Skipjack tuna	71	829.34	...
<i>Thunnus tonggol</i>	Longtail tuna	57	-	-
<i>Thunnus tonggol</i>	Longtail tuna	71	10.38	...
<i>Thunnus alalunga</i>	Albacore	57	-	-
<i>Thunnus alalunga</i>	Albacore	71	...	...
<i>Thunnus maccoyii</i>	Southern bluefin tuna	57	-	-
<i>Thunnus albacares</i>	Yellowfin tuna	57	-	-
<i>Thunnus albacares</i>	Yellowfin tuna	71	420.81	...
<i>Thunnus obesus</i>	Bigeye tuna	57	-	-
<i>Thunnus obesus</i>	Bigeye tuna	71	...	...
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	57	-	-
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	71	...	...
Istiophoridae	Marlins, sailfishes, etc. <i>nei</i>	57	-	-
Istiophoridae	Marlins, sailfishes, etc. <i>nei</i>	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	-	-	18,435	-
...	-	...	-	123,164	...
...	-	15,947	...	-	-	...	-
...	-	39,356	-	351	1	...	...
811	-	-
661	-	-	-	...	-
590	-	...	-
33,247	-	-	-	...	-
133,633	-	...	-	18,477	...	...	...
8,722	-	-	-	...	-
26,091	-	...	-
...	-	6,619	...	-	-	1,719	-
...	-	9,023	-	...	13	6,999	...
106,016	-	1,955	...	-	-	...	-
129,135	-	1,718	-	110,466	...	...	...
...	-	2,429	...	-	-	...	-
4,679	-	69	-	...	...	...	...
33,751	-	8,055	...	-	-	16,564	-
91,821	-	12,775	-	34,273	...	13,977	12,290
134,455	-	26	...	-	-	986	-
327,796	-	12,168	-	260,604	...	...	...
59,121	-	2,622	...	-	-	4,558	-
122,063	-	37,075	-	...	...	18,014	...
5,099	-	900	...	-	-	...	-
...	-	24	-	...	...	...	1,266
1,298	-	-	-	...	-
44,471	-	184	...	-	-	...	-
177,963	-	999	-	94,889	...	...	7,280
21,556	-	201	...	-	-	...	-
40,102	-	1,618	-	19,934	...	...	5,715
5,105	-	-	-	...	-
12,004	-	...	-
19	-	134	...	-	-	...	-
...	-	139	-	...	...	...	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Makaira indica</i>	Black marlin	57	-	-
<i>Makaira indica</i>	Black marlin	71	...	...
<i>Makaira nigricans</i>	Blue marlin	57	-	-
<i>Makaira nigricans</i>	Blue marlin	71	...	...
<i>Tetrapturus audax</i>	Striped marlin	57	-	-
<i>Tetrapturus audax</i>	Striped marlin	71	...	...
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	57	-	-
Scombroidei	Tuna-like fishes <i>nei</i>	57	-	-
Scombroidei	Tuna-like fishes <i>nei</i>	71	...	...
<i>Xiphias gladius</i>	Swordfish	57	-	-
<i>Xiphias gladius</i>	Swordfish	71	...	...
Atherinidae	Silversides (=Sand smells) <i>nei</i>	71	...	...
<i>Tylosurus</i> spp.	Needlefishes <i>nei</i>	57	-	-
<i>Tylosurus</i> spp.	Needlefishes <i>nei</i>	71	...	...
Hemiramphidae	Halfbeaks <i>nei</i>	57	-	-
Hemiramphidae	Halfbeaks <i>nei</i>	71	...	...
<i>Lactarius lactarius</i>	False trevally	71	70.29	...
<i>Rachycentron canadum</i>	Cobia	57	-	-
<i>Rachycentron canadum</i>	Cobia	71	...	...
<i>Decapterus russelli</i>	Indian scad	57	-	-
<i>Decapterus russelli</i>	Indian scad	71	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	57	-	-
<i>Decapterus</i> spp.	Scads <i>nei</i>	71	47.46	...
Exocoetidae	Flyingfishes <i>nei</i>	71	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	57	-	-
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	71	35.48	...
Carangidae	Carangids <i>nei</i>	57	-	-
Carangidae	Carangids <i>nei</i>	71	143.44	...
<i>Parastromateus niger</i>	Black pomfret	57	-	-
<i>Parastromateus niger</i>	Black pomfret	71	...	...
<i>Elagatis bipinnulata</i>	Rainbow runner	57	-	-
<i>Elagatis bipinnulata</i>	Rainbow runner	71	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	57	-	-
<i>Megalaspis cordyla</i>	Torpedo scad	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
4,860	-	-	-	...	-
2,624	-	...	-
3,481	-	-	-	...	-
2,849	-	...	-	1,228	...	...	...
926	-	-	-	...	-
335	-	...	-
3,167	-	-	-	...	-
1,366	-	-	-	...	-
2,097	-	...	-	372,058
1,210	-	393	...	-	-	...	-
446	-	778	-	2,798	...	...	...
...	-	...	-	594	...	...	...
5,761	-	-	-	...	-
12,889	-	...	-	7,860	...	...	...
1,265	-	-	-	...	-
9,074	-	...	-	2,052	...	...	...
24	-	276	-	105	...	...	...
...	-	153	...	-	-	...	-
...	-	647	-	842	...	...	...
...	-	31,154	...	-	-	28,365	-
...	-	47,914	-	...	...	17,543	...
100,076	-	...	-	-	-	...	-
448,584	-	208,623	37	...	...
...	-	...	-	13,749	...	...	...
41,142	-	-	-	...	-
140,038	-	...	-	...	4	...	...
...	-	1,162	...	-	-	11,338	-
...	-	11,685	-	52,351	9	40,749	...
16,292	-	1,737	...	-	-	357	-
47,953	-	5,497	-	...	...	4,725	...
2,216	-	8	...	-	-	...	-
8,117	-	671	-	3,392	...	...	...
12,105	-	19,240	...	-	-	10,768	-
14,141	-	8,245	-	13,641	...	12,040	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Selar crumenophthalmus</i>	Bigeye scad	57	-	-
<i>Selar crumenophthalmus</i>	Bigeye scad	71	28.65	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	57	-	-
<i>Selaroides leptolepis</i>	Yellowstripe scad	71	...	...
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	57	-	-
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	71	...	...
<i>Scomberoides</i> spp.	Queenfishes	57	-	-
<i>Scomberoides</i> spp.	Queenfishes	71	17.15	...
<i>Coryphaena hippurus</i>	Common dolphinfish	57	-	-
<i>Coryphaena hippurus</i>	Common dolphinfish	71	...	...
<i>Scomber australasicus</i>	Spotted chub mackerel	57	-	-
<i>Scomber australasicus</i>	Spotted chub mackerel	71	...	...
<i>Scomber japonicus</i>	Chub mackerel	71	...	...
<i>Rastrelliger brachysoma</i>	Short mackerel	57	-	-
<i>Rastrelliger brachysoma</i>	Short mackerel	71	1.20	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	57	-	-
<i>Rastrelliger kanagurta</i>	Indian mackerel	71	...	...
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	57	-	-
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	71	41.58	...
Scombridae	Mackerels <i>nei</i>	57	-	-
Scombridae	Mackerels <i>nei</i>	71	..	...
<i>Pampus argenteus</i>	Silver pomfret	57	-	-
<i>Pampus argenteus</i>	Silver pomfret	71	0.35	...
<i>Sphyraena jello</i>	Pickhandle barracuda	57	-	-
<i>Sphyraena jello</i>	Pickhandle barracuda	71	0.08	...
<i>Sphyraena barracuda</i>	Great barracuda	57	-	-
<i>Sphyraena barracuda</i>	Great barracuda	71	...	...
<i>Sphyraena</i> spp.	Barracudas <i>nei</i>	57	-	-
<i>Sphyraena</i> spp.	Barracudas <i>nei</i>	71	16.08	...
Stromateidae	Butterfishes, pomfrets <i>nei</i>	57	-	-
Stromateidae	Butterfishes, pomfrets <i>nei</i>	71	...	...
Squalidae	Dogfish sharks <i>nei</i>	71	...	...
<i>Alopias</i> spp.	Thresher sharks <i>nei</i>	57	-	-
<i>Alopias</i> spp.	Thresher sharks <i>nei</i>	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
11,006	-	15,312	...	-	-	14,501	-
45,369	-	22,879	-	105,218	...	14,179	...
28,775	-	1,594	...	-	-	...	-
91,662	-	10,083	-	...	...	...	...
...	-	-	-	55	-
...	-	...	-	78	...
6,455	-	906	...	-	-	...	-
20,598	-	3,582	-	3,09	...	...	...
5,484	-	-	-	...	-
12,891	-	...	-	120	...	...	...
2,837	-	-	-	...	-
190	-	...	-
...	-	...	-	768	...	...	...
9,723	-	-	-	...	-
17,220	-	...	-	28,027	...	...	...
18,805	-	-	-	22,787	-
45,892	-	...	-	54,387	...	30,726	...
...	-	32,709	...	-	-	12,267	-
...	-	17,571	-	...	...	14,064	...
...	-	101,634	...	-	-	-	-
...	-	673	-	...	...	...	...
20,864	-	4,095	...	-	-	37	-
38,606	-	1,836	-	...	...	346	...
14	-	-	-	...	-
40	-	...	-
5,872	-	-	-	...	-
7,062	-	...	-
...	-	1,573	...	-	-	4,901	-
...	-	5,548	-	5,645	4	15,145	...
...	-	2,874	...	-	-	...	-
...	-	1,324	-	1,111	22	...	...
24	-	...	-
287	-	-	-	...	-
472	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Prionace glauca</i>	Blue shark	57	-	-
Carcharhinidae	Requiem sharks <i>nei</i>	57	-	-
Carcharhinidae	Requiem sharks <i>nei</i>	71	...	...
Sphyrnidae	Hammerhead sharks, etc. <i>nei</i>	57	-	-
Sphyrnidae	Hammerhead sharks, etc. <i>nei</i>	71	...	...
Pristidae	Sawfishes	57	-	-
Pristidae	Sawfishes	71	...	...
Rajiformes	Rays, stingrays, mantas <i>nei</i>	57	-	-
Rajiformes	Rays, stingrays, mantas <i>nei</i>	71	36.13	...
Dasyatidae	Stingrays, butterfly rays <i>nei</i>	57	-	-
Dasyatidae	Stingrays, butterfly rays <i>nei</i>	71	...	...
Myliobatidae	Eagle rays <i>nei</i>	57	-	-
Myliobatidae	Eagle rays <i>nei</i>	71	...	...
Mobulidae	Mantas, devil rays <i>nei</i>	57	-	-
Mobulidae	Mantas, devil rays <i>nei</i>	71	...	...
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	57	-	-
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	71	...	...
Osteichthyes	Marine fishes <i>nei</i>	57	-	-
Osteichthyes	Marine fishes <i>nei</i>	71	8,568	96,735
<i>Portunus pelagicus</i>	Blue swimming crab	57	-	-
<i>Portunus pelagicus</i>	Blue swimming crab	71	3.81	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	57	-	-
<i>Scylla serrata</i>	Indo-Pacific swamp crab	71	...	...
Brachyura	Marine crabs <i>nei</i>	57	-	-
Brachyura	Marine crabs <i>nei</i>	71	0.01	4,875
<i>Panulirus</i> spp.	Tropical spiny lobsters <i>nei</i>	57	-	-
<i>Panulirus</i> spp.	Tropical spiny lobsters <i>nei</i>	71	0.25	...
<i>Thenus orientalis</i>	Flathead lobster	57	-	-
<i>Thenus orientalis</i>	Flathead lobster	71	...	...
Scyllaridae	Slipper lobsters <i>nei</i>	71	...	...
<i>Penaeus merguensis</i>	Banana prawn	57	-	-
<i>Penaeus merguensis</i>	Banana prawn	71	11.89	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	-	-
<i>Penaeus monodon</i>	Giant tiger prawn	71	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
1,247	-	-	-	...	-
504	-	-	-	...	-
7,770	-	...	-
3	-	-	-	...	-
281	-	...	-
1,834	-	-	-	...	-
1,002	-	...	-
12,294	-	3,878	...	-	-	786	-
34,228	-	5,944	-	1,857	19	948	...
44	-	-	-	...	-
624	-	...	-
4,461	-	-	-	...	-
6,134	-	...	-
92	-	-	-	...	-
105	-	...	-
2,301	-	902	...	-	-	213	-
14,099	-	3,950	-	1,911	...	259	...
417,050	-	196,943	3,264,837	-	-	119,599	-
1,071,278	-	111,608	-	11,618	10	310,695	2,197,069
10,975	-	-	-	8,000	-
87,530	-	...	-	29,942	...	31,199	...
1,083	-	-	-	663	-
5,049	-	...	-	1,072	9	1,011	...
...	-	7,318	...	-	-	3,210	...
...	-	6,798	-	...	23	3,988	-
3,070	-	0.30	...	-	-	...	...
5,696	-	720	-	179	...	...	-
...	-	-	-	42	...
...	-	...	-	284	-
...	-	...	-	47	...	...	274
6,939	-	-	-	6,138	-
15,326	-	...	-	6,125	...
4,200	-	-	-	123	...
13,336	-	...	-	781	...	320	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Penaeus latisulcatus</i>	Western king prawn	57	-	-
<i>Penaeus latisulcatus</i>	Western king prawn	71	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	57	-	-
<i>Penaeus semisulcatus</i>	Green tiger prawn	71	39.74	...
<i>Penaeus</i> spp.	<i>Penaeus</i> shrimps <i>nei</i>	57	-	-
<i>Penaeus</i> spp.	<i>Penaeus</i> shrimps <i>nei</i>	71	1,517.7	...
<i>Metapenaeus endeavouri</i>	Endeavour shrimp	71	...	...
<i>Metapenaeus</i> spp.	<i>Metapenaeus</i> shrimps <i>nei</i>	57	-	-
<i>Metapenaeus</i> spp.	<i>Metapenaeus</i> shrimps <i>nei</i>	71	397.5	...
Sergestidae	Sergestid shrimps <i>nei</i>	57	-	-
Sergestidae	Sergestid shrimps <i>nei</i>	71	383.15	...
Stomatopoda	Stomatopods <i>nei</i>	57	-	-
Stomatopoda	Stomatopods <i>nei</i>	71	...	...
Crustacea	Marine crustaceans <i>nei</i>	57	-	-
Crustacea	Marine crustaceans <i>nei</i>	71	...	...
<i>Crassostrea iredalei</i>	Slipper cupped oyster	71	...	...
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	57	-	-
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	71	...	...
<i>Modiolus</i> spp.	Horse mussels <i>nei</i>	57	-	-
<i>Perna viridis</i>	Green mussel	57	-	-
<i>Perna viridis</i>	Green mussel	71	...	...
Pectinidae	Scallops <i>nei</i>	57	-	-
Pectinidae	Scallops <i>nei</i>	71	...	...
<i>Anadara granosa</i>	Blood cockle	57	-	-
<i>Anadara granosa</i>	Blood cockle	71	...	...
<i>Anadara</i> spp.	<i>Anadara</i> clams <i>nei</i>	71	...	...
<i>Meretrix</i> spp.	Hard clams <i>nei</i>	71	...	...
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	57	-	-
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	71	...	...
Bivalvia	Clams, etc. <i>nei</i>	57	-	-
Bivalvia	Clams, etc. <i>nei</i>	71	...	...
Natantia	Natantian decapods <i>nei</i>	57	-	-
Natantia	Natantian decapods <i>nei</i>	71	...	9,065

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	-	-	93	-
...	-	...	-	606	...
...	-	-	-	331	-
...	-	...	-	252	...
...	-	-	-	1,373	-
...	-	...	-	14,493	...	9,140	...
...	-	...	-	820	...	...	...
19,404	-	-	-	730	-
70,180	-	...	-	7,688	...	5,453	...
...	-	39,317	...	-	-	47	-
...	-	5,645	-	10,040	...	24,344	...
...	-	-	-	255	-
...	-	...	-	1,256	...
26,372	-	-	-	...	-
97,511	-	...	-
...	-	...	-	67	...	...	...
25	-	-	-	...	-
277	-	...	-
...	-	-	-	263	-
1,631	-	-	-	...	-
10,378	-	...	-	22	...	...	...
...	-	-	-	7	-
...	-	...	-	47	...	1,665	...
44,781	-	-	-	135	-
47,215	-	...	-	3,692	...
...	-	...	-	1	...	...	...
609	-	...	-
...	-	-	-	1,593	-
...	-	...	-	1	...	9,746	...
...	-	2,336	...	-	-	...	-
...	-	1,664	-	210	...	...	...
...	-	36,512	...	-	-	...	-
...	-	25,080	-	...	5	...	136,998

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	57	-	-
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	71	...	...
Sepiidae, Sepiolidae	Cuttlefish, bobtail squids <i>nei</i>	57	-	-
Sepiidae, Sepiolidae	Cuttlefish, bobtail squids <i>nei</i>	71	25.52	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	57	-	-
<i>Loligo</i> spp.	Common squids <i>nei</i>	71	37.33	...
Loliginidae, Ommastrephidae	Various squids <i>nei</i>	57	-	-
Loliginidae, Ommastrephidae	Various squids <i>nei</i>	71	0.16	...
Octopodidae	Octopuses <i>nei</i>	57	-	-
Octopodidae	Octopuses <i>nei</i>	71	...	...
Squillidae	Squillids <i>nei</i>	71	...	...
Mollusca	Marine molluscs <i>nei</i>	57	-	-
Mollusca	Marine molluscs <i>nei</i>	71	...	7,550
<i>Trochus niloticus</i>	Commercial top	71	...	...
<i>Haliotis</i> spp.	Abalones <i>nei</i>	71	...	...
Holothurioidea	Sea cucumbers <i>nei</i>	57	-	-
Holothurioidea	Sea cucumbers <i>nei</i>	71	...	...
<i>Strongylocentrotus</i> spp.	Sea urchins <i>nei</i>	71	...	...
<i>Rhopilema</i> spp.	Jellyfishes <i>nei</i>	57	-	-
<i>Rhopilema</i> spp.	Jellyfishes <i>nei</i>	71	...	...
Testudinata	Marine turtles <i>nei</i>	71	...	...
Invertebrata	Aquatic invertebrates <i>nei</i>	57	-	-
Invertebrata	Aquatic invertebrates <i>nei</i>	71	...	...
Cephalopoda	Cephalopods <i>nei</i>	71	...	4,475
Rhodophyceae	Red seaweeds	57	-	-
Rhodophyceae	Red seaweeds	71	...	...
<i>Eucheuma cottonii</i>	Zanzibar weed	57	-	-
<i>Eucheuma cottonii</i>	Zanzibar weed	71	...	...
<i>Sargassum muticum</i>	Japanese sargasso weed	57	-	-
<i>Sargassum muticum</i>	Japanese sargasso weed	71	...	...
-	Others	71	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	-	-	2,717	-
...	-	...	-	3,949	...
3,821	-	9,144	...	-	-	3,118	-
13,776	-	6,942	-	1,354	3	7,930	...
40,067	-	-	-	11,460	-
153,517	-	...	-	44,415	5	50,443	...
...	-	20,983	...	-	-	...	-
...	-	24,487	-	...	...	...	...
10,282	-	611	...	-	-	1,061	-
8,889	-	416	-	3,317	...	5,70	...
...	-	...	-	1,353	...	...	...
5,957	-	-	-	23	-
4,541	-	...	-	709	57,242
35	-	...	-
...	-	...	-	166	...	...	...
260	-	...	-	-	-	...	-
3,790	-	389	...	811	...	...	...
...	-	...	-	159	...	...	...
43	-	868	...	-	-	20,155	-
17,025	-	9,393	-	9	...	6,025	...
10	-	...	-
...	-	-	-	67	-
...	-	...	-	1,295	...
...	-	...	-	359,943
26	-	-	-	...	-
...	-	...	-	385	...	...	...
135	-	-	-	...	-
180	-	...	-
51,658	-	-	-	...	-
12,030	-	...	-
11	-	...	-	499,223

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	57	-	-
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	71	107.59	...
<i>Tenualosa toli</i>	Toli shad	57	-	-
<i>Tenualosa toli</i>	Toli shad	71	...	...
<i>Pellona ditchela</i>	Indian pellona	57	-	-
<i>Pellona ditchela</i>	Indian pellona	71	...	...
Clupeoidei	Diadromous clupeoids <i>nei</i>	57	-	-
Clupeoidei	Diadromous clupeoids <i>nei</i>	71	...	...
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	57	-	-
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	71	...	...
<i>Psettodes erumei</i>	Indian halibut	57	-	-
<i>Psettodes erumei</i>	Indian halibut	71	153.80	...
Cynoglossidae	Tonguefishes	57	-	-
Cynoglossidae	Tonguefishes	71	...	...
Pleuronectiformes	Flatfishes <i>nei</i>	57	-	-
Pleuronectiformes	Flatfishes <i>nei</i>	71	...	...
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	57	-	-
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	71	303.71	...
<i>Harpadon nehereus</i>	Bombay-duck	57	-	-
<i>Harpadon nehereus</i>	Bombay-duck	71	...	...
<i>Saurida tumbil</i>	Greater lizardfish	57	-	-
<i>Saurida tumbil</i>	Greater lizardfish	71	...	...
Synodontidae	Lizardfishes <i>nei</i>	57	-	-
Synodontidae	Lizardfishes <i>nei</i>	71	...	...
Ariidae	Sea catfishes <i>nei</i>	57	-	-
Ariidae	Sea catfishes <i>nei</i>	71	47.30	...
<i>Plotosus</i> spp.	Eeltail catfishes	57	-	-
<i>Plotosus</i> spp.	Eeltail catfishes	71	...	...
Mugilidae	Mulletts <i>nei</i>	57	-	-
Mugilidae	Mulletts <i>nei</i>	71	1.18	...
Caesionidae	Fusiliers <i>nei</i>	57	-	-
Caesionidae	Fusiliers <i>nei</i>	71	21.92	...
<i>Epinephelus merra</i>	Honeycomb grouper	57	-	-
<i>Epinephelus merra</i>	Honeycomb grouper	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
3,225	-	5,597	...	-	-	...	-
17,376	-	4,597	-	...	...	...	...
580	-	-	-	...	-
15	-	...	-
...	-	12,217	...	-	-	...	-
...	-	8,616	-	...	...	...	...
...	-	291	...	-	-	...	-
...	-	7,312	-	...	...	...	...
14,043	-	4,384	...	-	-	2,157	-
75,240	-	6,842	-	...	179	1,440	...
8,532	-	-	-	157	-
9,275	-	...	-	698	...
...	-	4,550	...	-	-	1,346	-
...	-	901	-	...	...	2,828	...
...	-	6,276	...	-	-	...	-
...	-	1,649	-	...	...	...	...
...	-	238	...	-	-	...	-
...	-	411	-	...	...	...	...
914	-	140	...	-	-	...	-
3,034	-	3,517	-	...	...	...	...
1,177	-	-	-	...	-
2,171	-	...	-
...	-	27,894	...	-	-	5,770	-
...	-	6,523	-	...	...	8,843	...
16,753	-	18,806	...	-	-	1,537	-
120,175	-	11,371	-	...	46	2,508	...
...	-	5,810	...	-	-	1,548	-
...	-	2,085	-	...	...	1,939	...
20,260	-	7,772	...	-	-	2,316	-
100,729	-	5,624	-	22,011	91	6,954	...
4,650	-	17	...	-	-	...	-
47,373	-	3,249	-	36,311	38	...	...
859	-	-	-	...	-
1,762	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Epinephelus tauvina</i>	Greasy grouper	57	-	-
<i>Epinephelus tauvina</i>	Greasy grouper	71	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	57	-	-
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	71	463.01	...
<i>Cephalopholis boenak</i>	Chocolate hind	57	-	-
<i>Cephalopholis boenak</i>	Chocolate hind	71	...	...
<i>Cromileptes altivelis</i>	Humpback grouper	57	-	-
<i>Cromileptes altivelis</i>	Humpback grouper	71	...	...
<i>Plectropomus leopardus</i>	Leopard coralgroup	57	-	-
<i>Plectropomus leopardus</i>	Leopard coralgroup	71	...	...
<i>Priacanthus macracanthus</i>	Red bigeye	57	-	-
<i>Priacanthus macracanthus</i>	Red bigeye	71	...	...
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	57	-	-
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	71	49.04	...
<i>Sillago sihama</i>	Silver sillago	57	-	-
<i>Sillago sihama</i>	Silver sillago	71	...	...
Sillaginidae	Sillago-whitings	57	-	-
Sillaginidae	Sillago-whitings	71	...	...
<i>Mene maculata</i>	Moonfish	71	...	...
Sciaenidae	Croakers, drums <i>nei</i>	57	-	-
Sciaenidae	Croakers, drums <i>nei</i>	71	325.11	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	57	-	-
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	71	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	57	-	-
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	71	...	...
Lutjanidae	Snappers, jobfishes <i>nei</i>	57	-	-
Lutjanidae	Snappers, jobfishes <i>nei</i>	71	1,267.5	...
Serranidae	Groupers, seabasses <i>nei</i>	57	-	-
Serranidae	Groupers, seabasses <i>nei</i>	71	...	...
<i>Pristipomoides</i> spp.	Jobfishes <i>nei</i>	57	-	-
<i>Pristipomoides</i> spp.	Jobfishes <i>nei</i>	71	...	...
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	57	-	-
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	71	733.49	...
<i>Scolopsis</i> spp.	Monocle breams	57	-	-
<i>Scolopsis</i> spp.	Monocle breams	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
45	-	-	-	...	-
1,616	-	...	-
...	-	8,290	...	-	-	...	-
...	-	23,641	-	...	64	...	...
31	-	-	-	...	-
243	-	...	-
12,995	-	-	-	...	-
9,326	-	...	-
2,076	-	-	-	...	-
40,635	-	...	-
3	-	-	-	...	-
1,108	-	...	-
2,357	-	2,554	...	-	-	4,064	-
29,815	-	7,152	-	...	...	10,725	...
2,585	-	-	-	...	-
1,761	-	...	-
...	-	1,829	...	-	-	2,296	-
...	-	1,084	-	...	0.2	2,572	...
...	-	..	-	...	37	...	...
...	-	44,187	...	-	-	3,800	-
...	-	19,568	-	...	14	10,562	...
...	-	21,253	...	-	-	...	-
...	-	30,332	-	...	...	...	...
146,759	-	778	...	-	-	...	-
453,614	-	8,476	-	...	196	...	...
...	-	406	...	-	-	22,615	-
...	-	5,302	-	51,936	0.16	16,287	...
...	-	-	-	9,253	-
...	-	...	-	88,511	...	8,168	...
2,275	-	-	-	...	-
15,355	-	...	-
15,342	-	38,059	...	-	-	11,038	-
51,920	-	47,296	-	106,648	80	25,502	...
...	-	10	...	-	-	2,055	-
...	-	1,678	-	...	...	9,680	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	57	-	-
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	71	262.63	...
Leiognathidae	Ponyfishes(=Slipmouths) <i>nei</i>	57	-	-
Leiognathidae	Ponyfishes(=Slipmouths) <i>nei</i>	71	...	...
<i>Plectorhinchus</i> spp.	Sweetlips, rubberlips <i>nei</i>	57	-	-
<i>Plectorhinchus</i> spp.	Sweetlips, rubberlips <i>nei</i>	71	...	...
<i>Pomadasys argenteus</i>	Silver grunt	57	-	-
<i>Pomadasys argenteus</i>	Silver grunt	71	...	...
Haemulidae (=Pomodasyidae)	Grunts, sweetlips <i>nei</i>	57	-	-
Haemulidae (=Pomodasyidae)	Grunts, sweetlips <i>nei</i>	71	315.20	...
Lethrinidae	Emperors(=Scavengers) <i>nei</i>	57	-	-
Lethrinidae	Emperors(=Scavengers) <i>nei</i>	71	71.83	...
Sparidae	Porgies, seabreams <i>nei</i>	71	...	...
Mullidae	Goatfishes, red mullets <i>nei</i>	71	...	...
<i>Upeneus</i> spp.	Goatfishes	57	-	-
<i>Upeneus</i> spp.	Goatfishes	71	...	...
<i>Gerres</i> spp.	Mojarras(=Silver-biddies) <i>nei</i>	57	-	-
<i>Gerres</i> spp.	Mojarras(=Silver-biddies) <i>nei</i>	71	0.75	...
<i>Drepane punctata</i>	Spotted sicklefish	57	-	-
<i>Drepane punctata</i>	Spotted sicklefish	71	18.41	...
<i>Cheilinus undulatus</i>	Humphead wrasse	71	...	...
Labridae	Wrasses, hogfishes, etc. <i>nei</i>	57	-	-
Labridae	Wrasses, hogfishes, etc. <i>nei</i>	71	...	...
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	57	-	-
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	71	70.62	...
Polynemidae	Threadfins, Tasselfishes <i>nei</i>	57	-	-
Polynemidae	Threadfins, Tasselfishes <i>nei</i>	71	...	...
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	57	-	-
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	71	93.30	...
<i>Terapon</i> spp.	Terapon perches <i>nei</i>	57	-	-
<i>Terapon</i> spp.	Terapon perches <i>nei</i>	71	...	...
<i>Acanthocybium solandri</i>	Wahoo	57	-	-
Balistidae	Triggerfishes, durgons <i>nei</i>	57	-	-
Balistidae	Triggerfishes, durgons <i>nei</i>	71	10.06	...

							US\$ 1,000
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	6,977	...	-	-	...	-
...	-	1,915	-	...	9	...	...
10,128	-	-	-	...	-
41,649	-	...	-	52,984	...	...	...
31,515	-	-	-	...	-
79,266	-	...	-
...	-	7,525	...	-	-	...	-
...	-	3,712	-	...	...	...	...
4,598	-	68	...	-	-	...	-
22,088	-	2,955	-	...	24	...	...
9,285	-	80	...	-	-	...	-
82,384	-	3,208	-	...	...	...	...
...	-	...	-	24,101	...	...	...
...	-	...	-	51,770	...	...	...
4,153	-	2,793	...	-	-	...	-
43,613	-	6,360	-	...	65	...	...
...	-	185	...	-	-	...	-
...	-	1,228	-	...	...	...	...
...	-	1,243	...	-	-	...	-
...	-	1,854	-	...	...	...	...
817	-	...	-
...	-	336	...	-	-	...	-
...	-	3,538	-	26,251	...	...	...
21,033	-	-	-	...	-
63,839	-	...	-
...	-	43,082	...	-	-	698	-
...	-	17,115	-	...	165	6,608	...
17,899	-	911	...	-	-	...	-
137,684	-	2,880	-	54,563	49	...	...
1,173	-	-	-	...	-
2,016	-	...	-
691	-	-	-	...	-
...	-	145	...	-	-	...	-
...	-	851	-	...	...	...	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Muraenesox cinereus</i>	Daggertooth pike conger	57	-	-
<i>Muraenesox cinereus</i>	Daggertooth pike conger	71	27.53	...
<i>Trichiurus lepturus</i>	Largehead hairtail	57	-	-
<i>Trichiurus lepturus</i>	Largehead hairtail	71	32.44	...
Trichiuridae	Hairtails <i>nei</i>	57	-	-
Trichiuridae	Hairtails <i>nei</i>	71	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	57	-	-
<i>Amblygaster sirm</i>	Spotted sardinella	71	5.89	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	57	-	-
<i>Sardinella gibbosa</i>	Goldstripe sardinella	71	...	...
<i>Sardinella lemuru</i>	Bali sardinella	57	-	-
<i>Sardinella lemuru</i>	Bali sardinella	71	...	...
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	57	-	-
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	71	2.79	...
<i>Dussumieria acuta</i>	Rainbow sardine	57	-	-
<i>Dussumieria acuta</i>	Rainbow sardine	71	122.6	...
<i>Stolephorus</i> spp.	<i>Stolephorus anchovies nei</i>	57	-	-
<i>Stolephorus</i> spp.	<i>Stolephorus anchovies nei</i>	71	1.58	...
<i>Chirocentrus dorab</i>	Dorab wolf-herring	57	-	-
<i>Chirocentrus dorab</i>	Dorab wolf-herring	71	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	57	-	-
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	71	45.54	...
Engraulidae	Anchovies, etc. <i>nei</i>	57	-	-
Engraulidae	Anchovies, etc. <i>nei</i>	71	...	...
Clupeoidei	Clupeoids <i>nei</i>	57	-	-
Clupeoidei	Clupeoids <i>nei</i>	71	...	...
<i>Gymnosarda unicolor</i>	Dogtooth tuna	57	-	-
<i>Sarda orientalis</i>	Striped bonito	57	-	-
<i>Sarda orientalis</i>	Striped bonito	71	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	57	-	-
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	71	652.69	...
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	57	-	-
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	71	63.09	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	6,862	...	-	-	295	-
...	-	7,703	-	...	...	1,288	...
...	-	23,886	...	-	-	11,367	-
...	-	6,720	-	...	26	7,347	...
70,268	-	-	-	...	-
36,003	-	...	-	21,866	...	...	...
9,884	-	-	-	...	-
18,593	-	...	-
37,517	-	-	-	...	-
110,840	-	...	-
36,375	-	-	-	...	-
16,513	-	...	-	171,892	...	...	...
...	-	-	-	7,040	-
...	-	...	-	39,928	...	20,669	...
8,531	-	-	-	...	-
15,045	-	...	-	6,984	...	...	...
8,958	-	26,081	...	-	-	...	-
47,868	-	30,911	-	47,459	...	...	...
...	-	-	-	2,126	-
...	-	...	-	3,466	...
6,697	-	8,193	...	-	-	...	-
15,796	-	10,326	-	...	81	...	...
...	-	-	-	9,218	-
...	-	...	-	62,172	...
...	-	19,291	...	-	-	...	-
...	-	29,426	-	...	3	...	...
1,929	-	-	-	...	-
782	-	-	-	...	-
787	-	...	-
111,556	-	-	-	...	-
397,480	-	...	-	55,131	...	...	...
22,774	-	-	-	...	-
73,831	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Scomberomorus</i> spp.	Seerfishes <i>nei</i>	57	-	-
<i>Scomberomorus</i> spp.	Seerfishes <i>nei</i>	71	...	...
<i>Auxis thazard</i>	Frigate tuna	57	-	-
<i>Auxis thazard</i>	Frigate tuna	71	...	...
<i>Auxis rochei</i>	Bullet tuna	57	-	-
<i>Auxis rochei</i>	Bullet tuna	71	737	...
<i>Euthynnus affinis</i>	Kawakawa	57	-	-
<i>Euthynnus affinis</i>	Kawakawa	71	103.66	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	57	-	-
<i>Katsuwonus pelamis</i>	Skipjack tuna	71	5,233	...
<i>Thunnus tonggol</i>	Longtail tuna	57	-	-
<i>Thunnus tonggol</i>	Longtail tuna	71	163.8	...
<i>Thunnus alalunga</i>	Albacore	57	-	-
<i>Thunnus alalunga</i>	Albacore	71	...	...
<i>Thunnus maccoyii</i>	Southern bluefin tuna	57	-	-
<i>Thunnus albacares</i>	Yellowfin tuna	57	-	-
<i>Thunnus albacares</i>	Yellowfin tuna	71	4,306.45	...
<i>Thunnus obesus</i>	Bigeye tuna	57	-	-
<i>Thunnus obesus</i>	Bigeye tuna	71	...	...
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	57	-	-
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	71	...	...
Istiophoridae	Marlins, sailfishes, etc. <i>nei</i>	57	-	-
Istiophoridae	Marlins, sailfishes, etc. <i>nei</i>	71	...	...
<i>Makaira indica</i>	Black marlin	57	-	-
<i>Makaira indica</i>	Black marlin	71	...	...
<i>Makaira nigricans</i>	Blue marlin	57	-	-
<i>Makaira nigricans</i>	Blue marlin	71	...	...
<i>Tetrapturus audax</i>	Striped marlin	57	-	-
<i>Tetrapturus audax</i>	Striped marlin	71	...	...
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	57	-	-
<i>Xiphias gladius</i>	Swordfish	57	-	-
<i>Xiphias gladius</i>	Swordfish	71	...	...
Scombroidei	Tuna-like fishes species	57	-	-
Scombroidei	Tuna-like fishes species	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	44,129	...	-	-	7,881	-
...	-	36,979	-	...	86	31,875	...
146,604	-	4,920	...	-	-	...	-
206,779	-	2,011	-	180,029	...	...	...
-	-	1,819	...	-	-	...	-
6,545	-	99	-	...	...	...	...
41,721	-	15,101	...	-	-	16,712	-
115,534	-	21,971	-	47,880	...	15,109	...
223,085	-	31	...	-	-	...	-
550,505	-	11,263	-	363,0039	0.35	...	...
85,403	-	5,258	...	-	-	7,417	-
142,716	-	60,792	-	...	...	29,410	...
10,833	-	3,263	...	-	-	...	-
...	-	35	-	...	...	...	...
5,754	-	-	-	...	-
119,196	-	1,329	...	-	-	...	-
418,449	-	1,968	-	219,076	...	...	...
59,922	-	1,196	...	-	-	...	-
117,930	-	2,500	-	51,204	...	...	...
9,435	-	-	-	...	-
17,654	-	...	-
50	-	388	...	-	-	...	-
...	-	151	-	...	...	...	...
10,741	-	-	-	...	-
5,012	-	...	-
11,363	-	-	-	...	-
10,235	-	...	-
2,095	-	-	-	...	-
488	-	...	-
3,647	-	-	-	...	-
2,377	-	1,066	...	-	-	...	-
703	-	578	-	...	...	...	...
4,415	-	-	-	...	-
3,627	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Tylosurus</i> spp.	Needlefishes <i>nei</i>	57	-	-
<i>Tylosurus</i> spp.	Needlefishes <i>nei</i>	71	...	...
Hemiramphidae	Halfbeaks <i>nei</i>	57	-	-
Hemiramphidae	Halfbeaks <i>nei</i>	71	...	...
<i>Lactarius lactarius</i>	False trevally	71	622.3	...
<i>Rachycentron canadum</i>	Cobia	57	-	-
<i>Rachycentron canadum</i>	Cobia	71	...	...
<i>Decapterus russelli</i>	Indian scad	57	-	-
<i>Decapterus russelli</i>	Indian scad	71	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	57	-	-
<i>Decapterus</i> spp.	Scads <i>nei</i>	71	352.85	...
Exocoetidae	Flyingfishes <i>nei</i>	71	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	57	-	-
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	71	1,061.38	...
Carangidae	Carangids <i>nei</i>	57	-	-
Carangidae	Carangids <i>nei</i>	71	...	...
<i>Parastromateus niger</i>	Black pomfret	57	-	-
<i>Parastromateus niger</i>	Black pomfret	71	...	...
<i>Elagatis bipinnulata</i>	Rainbow runner	57	-	-
<i>Elagatis bipinnulata</i>	Rainbow runner	71	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	57	-	-
<i>Megalaspis cordyla</i>	Torpedo scad	71	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	57	-	-
<i>Selar crumenophthalmus</i>	Bigeye scad	71	175.44	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	57	-	-
<i>Selaroides leptolepis</i>	Yellowstripe scad	71	...	...
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	57	-	-
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	71	...	...
<i>Scomberoides</i> spp.	Queenfishes	57	-	-
<i>Scomberoides</i> spp.	Queenfishes	71	176.34	...
<i>Coryphaena hippurus</i>	Common dolphinfish	57	-	-
<i>Coryphaena hippurus</i>	Common dolphinfish	71	...	...
<i>Scomber australasicus</i>	Spotted chub mackerel	57	-	-
<i>Scomber australasicus</i>	Spotted chub mackerel	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
6,538	-	-	-	...	-
15,858	-	...	-
1,657	-	-	-	...	-
11,843	-	...	-
34	-	453	-	...	...	...	...
...	-	453	...	-	-	...	-
...	-	240	-	...	...	...	...
...	-	41,329	...	-	-	23,452	-
...	-	63,150	-	...	...	14,504	...
137,870	-	-	-	...	-
489,203	-	...	-	287,894	157	...	...
...	-	...	-	20,714	...	...	...
109,616	-	-	-	...	-
306,423	-	...	-	...	17	...	...
...	-	4,256	...	-	-	12,679	-
...	-	30,212	-	113,346	34	45,097	...
50,402	-	9,193	...	-	-	1,524	-
108,005	-	25,855	-	...	...	20,480	...
3,237	-	13	...	-	-	...	-
9,614	-	907	-	...	...	...	...
12,979	-	33,957	...	-	-	14,143	-
17,953	-	11,680	-	...	...	16,657	...
17,939	-	29,120	...	-	-	18,705	-
66,93	-	41,432	-	177,460	...	18,349	...
47,418	-	2,790	...	-	-	...	-
125,107	-	20,439	-	...	...	...	...
...	-	-	-	301	-
...	-	...	-	460	...
10,899	-	1,916	...	-	-	...	-
22,068	-	4,016	-	...	...	...	...
8,951	-	-	-	...	-
18,053	-	...	-
2,375	-	-	-	...	-
152	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Rastrelliger brachysoma</i>	Short mackerel	57	-	-
<i>Rastrelliger brachysoma</i>	Short mackerel	71	34.97	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	57	-	-
<i>Rastrelliger kanagurta</i>	Indian mackerel	71	...	...
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	57	-	-
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	71	881	...
Scombridae	Mackerels <i>nei</i>	57	-	-
Scombridae	Mackerels <i>nei</i>	71	...	...
<i>Pampus argenteus</i>	Silver pomfret	57	-	-
<i>Pampus argenteus</i>	Silver pomfret	71	13.64	...
<i>Sphyraena jello</i>	Pickhandle barracuda	57	-	-
<i>Sphyraena jello</i>	Pickhandle barracuda	71	6.31	...
<i>Sphyraena barracuda</i>	Great barracuda	57	-	-
<i>Sphyraena barracuda</i>	Great barracuda	71	...	...
<i>Sphyraena</i> spp.	Barracudas <i>nei</i>	57	-	-
<i>Sphyraena</i> spp.	Barracudas <i>nei</i>	71	110.26	...
Stromateidae	Butterfishes, pomfrets <i>nei</i>	57	-	-
Stromateidae	Butterfishes, pomfrets <i>nei</i>	71	...	...
Squalidae	Dogfish sharks <i>nei</i>	71	...	...
<i>Alopias</i> spp.	Thresher sharks <i>nei</i>	57	-	-
<i>Alopias</i> spp.	Thresher sharks <i>nei</i>	71	...	...
<i>Prionace glauca</i>	Blue shark	57	-	-
Carcharhinidae	Requiem sharks <i>nei</i>	57	-	-
Carcharhinidae	Requiem sharks <i>nei</i>	71	...	...
Sphyrnidae	Hammerhead sharks, etc. <i>nei</i>	57	-	-
Sphyrnidae	Hammerhead sharks, etc. <i>nei</i>	71	...	...
Pristidae	Sawfishes	57	-	-
Pristidae	Sawfishes	71	...	...
Rajiformes	Rays, stingrays, mantas <i>nei</i>	57	-	-
Rajiformes	Rays, stingrays, mantas <i>nei</i>	71	155.44	...
Dasyatidae	Stingrays, butterfly rays <i>nei</i>	57	-	-
Dasyatidae	Stingrays, butterfly rays <i>nei</i>	71	...	...
Myliobatidae	Eagle rays <i>nei</i>	57	-	-
Myliobatidae	Eagle rays <i>nei</i>	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
19,303	-	-	-	...	-
29,847	-	...	-	49,024	...	...	...
38,774	-	-	-	38,138	-
72,778	-	...	-	101,575	...	51,595	...
...	-	57,798	...	-	-	23,554	-
...	-	37,108	-	...	...	26,867	...
...	-	179,667	...	-	-	...	-
...	-	1,520	-	...	...	...	...
82,237	-	36,483	...	-	-	374	-
120,144	-	11,783	-	...	...	3,745	...
27	-	-	-	...	-
55	-	...	-
13,031	-	-	-	...	-
9,387	-	...	-
...	-	4,017	...	-	-	9,266	-
...	-	6,768	-	...	18	29,274	...
...	-	41,750	...	-	-	...	-
...	-	4,719	-	...	242	...	...
17	-	...	-
630	-	-	-	...	-
347	-	...	-
1,983	-	-	-	...	-
791	-	-	-	...	-
8,563	-	...	-
5	-	-	-	...	-
199	-	...	-
4,611	-	-	-	...	-
779	-	...	-
20,817	-	10,051	...	-	-	1,164	-
42,729	-	9,238	-	...	81	1,363	...
62	-	-	-	...	-
481	-	...	-
6,975	-	-	-	...	-
7,392	-	...	-

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Mobulidae	Mantas, devil rays <i>nei</i>	57	-	-
Mobulidae	Mantas, devil rays <i>nei</i>	71	...	...
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	57	-	-
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	71	...	...
Osteichthyes	Marine fishes <i>nei</i>	57	-	-
Osteichthyes	Marine fishes <i>nei</i>	71	18,444	...
<i>Portunus pelagicus</i>	Blue swimming crab	57	-	-
<i>Portunus pelagicus</i>	Blue swimming crab	71	82.22	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	57	-	-
<i>Scylla serrata</i>	Indo-Pacific swamp crab	71	...	...
Brachyura	Marine crabs <i>nei</i>	57	-	-
Brachyura	Marine crabs <i>nei</i>	71	0.56	...
<i>Panulirus ornatus</i>	Ornate spiny lobster	57	-	-
<i>Panulirus ornatus</i>	Ornate spiny lobster	71	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters <i>nei</i>	57	-	-
<i>Panulirus</i> spp.	Tropical spiny lobsters <i>nei</i>	71	21.71	...
<i>Thenus orientalis</i>	Flathead lobster	57	-	-
<i>Thenus orientalis</i>	Flathead lobster	71	...	...
<i>Penaeus merguensis</i>	Banana prawn	57	-	-
<i>Penaeus merguensis</i>	Banana prawn	71	562.6	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	-	-
<i>Penaeus monodon</i>	Giant tiger prawn	71	...	...
<i>Penaeus latisulcatus</i>	Western king prawn	57	-	-
<i>Penaeus latisulcatus</i>	Western king prawn	71	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	57	-	-
<i>Penaeus semisulcatus</i>	Green tiger prawn	71	3,003.59	...
<i>Penaeus</i> spp.	<i>Penaeus</i> shrimps <i>nei</i>	57	-	-
<i>Penaeus</i> spp.	<i>Penaeus</i> shrimps <i>nei</i>	71	1,195	...
<i>Metapenaeus</i> spp.	<i>Metapenaeus</i> shrimps <i>nei</i>	57	-	-
<i>Metapenaeus</i> spp.	<i>Metapenaeus</i> shrimps <i>nei</i>	71	282.74	...
Sergestidae	Sergestid shrimps <i>nei</i>	57	-	-
Sergestidae	Sergestid shrimps <i>nei</i>	71	153.9	...
Stomatopoda	Stomatopods <i>nei</i>	57	-	-
Stomatopoda	Stomatopods <i>nei</i>	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
170	-	-	-	...	-
126	-	...	-
3,452	-	1,337	...	-	-	312	-
11,010	-	4,510	-	...	0.35	394	...
717,961	-	55,706	5,386,981	-	-	52,851	-
1,818,686	-	52,528	-	...	46	135,893	...
35,532	-	-	-	54,962	-
248,881	-	...	-	86,367	...	212,493	...
4,569	-	-	-	5,227	-
20,300	-	...	-	...	120	8,029	...
...	-	40,545	...	-	-	12,841	-
...	-	24,829	-	...	173	17,994	...
...	-	6	...	-	-	...	-
...	-	10,974	-	...	...	...	...
34,944	-	-	-	...	-
220,578	-	...	-
...	-	-	-	330	-
...	-	...	-	2,235	...
21,598	-	-	-	48,141	-
56,093	-	...	-	47,314	...
24,659	-	-	-	1,228	-
64,999	-	...	-	3,253	...
...	-	-	-	455	-
...	-	...	-	2,309	...
...	-	-	-	3,065	-
...	-	...	-	2,432	...
...	-	-	-	3,548	-
...	-	...	-	23,685	...
71,680	-	-	-	3,077	-
247,779	-	...	-	21,342	...
...	-	30,819	...	-	-	119	-
...	-	5,195	-	10,331	...	15,082	...
...	-	-	-	3,186	-
...	-	...	-	5,870	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020

3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Crustacea	Marine crustaceans <i>nei</i>	57	-	-
Crustacea	Marine crustaceans <i>nei</i>	71	...	...
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	57	-	-
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	71	...	...
<i>Modiolus</i> spp.	Horse mussels <i>nei</i>	57	-	-
<i>Perna viridis</i>	Green mussel	57	-	-
<i>Perna viridis</i>	Green mussel	71	...	...
Pectinidae	Scallops <i>nei</i>	57	-	-
Pectinidae	Scallops <i>nei</i>	71	...	...
<i>Anadara granosa</i>	Blood cockle	57	-	-
<i>Anadara granosa</i>	Blood cockle	71	...	...
<i>Meretrix</i> spp.	Hard clams <i>nei</i>	57	-	-
<i>Meretrix</i> spp.	Hard clams <i>nei</i>	71	...	...
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	57	-	-
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	71	...	...
<i>Trochus niloticus</i>	Commercial top	71	...	...
Bivalvia	Clams, etc. <i>nei</i>	57	-	-
Bivalvia	Clams, etc. <i>nei</i>	71	...	...
Natantia	Natantian decapods <i>nei</i>	57	-	-
Natantia	Natantian decapods <i>nei</i>	71	...	...
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	57	-	-
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	71	...	...
Sepiidae, Sepiolidae	Cuttlefish, bobtail squids <i>nei</i>	57	-	-
Sepiidae, Sepiolidae	Cuttlefish, bobtail squids <i>nei</i>	71	246.58	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	57	-	-
<i>Loligo</i> spp.	Common squids <i>nei</i>	71	431.11	...
Loliginidae, Ommastrephidae	Various squids <i>nei</i>	57	-	-
Loliginidae, Ommastrephidae	Various squids <i>nei</i>	71	2.59	...
Octopodidae	Octopuses <i>nei</i>	57	-	-
Octopodidae	Octopuses <i>nei</i>	71	...	...
Mollusca	Marine molluscs <i>nei</i>	57	-	-
Mollusca	Marine molluscs <i>nei</i>	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
112,131	-	-	-	...	-
337,071	-	...	-
26	-	-	-	...	-
487	-	...	-
...	-	-	-	166	-
1,729	-	-	-	...	-
9,004	-	...	-
...	-	-	-	20	-
...	-	...	-	4,931	...
38,152	-	-	-	596	-
38,043	-	...	-	17,059	...
0.04	-	-	-	...	-
567	-	...	-
...	-	-	-	2,873	-
...	-	...	-	17,580	...
106	-	...	-
...	-	2,727	...	-	-	...	-
...	-	2,318	-	...	...	...	...
...	-	201,960	...	-	-	...	-
...	-	112,934	-	...	69	...	...
...	-	-	-	10,906	-
...	-	...	-	19,150	...
7,338	-	24,696	...	-	-	11,747	-
32,632	-	18,034	-	...	13	29,489	...
95,232	-	-	-	53,906	-
446,419	-	...	-	112,996	25	217,879	...
...	-	99,101	...	-	-	...	-
...	-	72,790	-	...	...	...	...
20,865	-	972	...	-	-	3,120	-
19,720	-	535	-	...	...	17,071	...
4,224	-	-	-	36	-
4,659	-	...	-	1,134	...

3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2020
 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Holothurioidea	Sea cucumbers <i>nei</i>	57	-	-
Holothurioidea	Sea cucumbers <i>nei</i>	71	...	...
<i>Rhopilema</i> spp.	Jellyfishes <i>nei</i>	57	-	-
<i>Rhopilema</i> spp.	Jellyfishes <i>nei</i>	71	...	...
Testudinata	Marine turtles <i>nei</i>	71	-	-
Invertebrata	Aquatic invertebrates <i>nei</i>	57	-	-
Invertebrata	Aquatic invertebrates <i>nei</i>	71	...	...
-	Others	71	11,262.25	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
2,455	-	-	-	...	-
31,979	-	2,023	-	...	...	...	...
30	-	939	...	-	-	2,542	-
12,110	-	1,547	-	...	...	760	...
14	-	...	-
...	-	-	-	170	-
...	-	...	-	2,032	...
...	-	...	-

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.1 Brunei Darussalam

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	...	...	...	...	...	...
<i>Lates calcarifer</i>	Barramundi (=Giant seaperch)	...	...	...	...	...	...
<i>Psettodes erumei</i>	Indian halibut	...	...	...	...	...	...
<i>Saurida tumbil</i>	Greater lizardfish	...	...	...	...	...	...
<i>Arius thalassinus</i>	Giant catfish	...	...	...	...	...	...
<i>Arius</i> spp.	Sea catfishes <i>nei</i>	0.11	...	0.11	...	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	...	...	...	...	...	...
<i>Caesio</i> spp.	Fusiliers <i>caesio nei</i>	0.09	...	0.09	...	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	...	...	...	...	...	...
<i>Plectropomus leopardus</i>	Leopard coralgroupers	...	...	...	...	...	...
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	0.06	...	0.06	...	...	...
<i>Otolithes ruber</i>	Tigertooth croaker	...	...	...	...	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	...	...	...	...	...	...
<i>Lutjanus johnii</i>	John's snapper	...	...	...	...	...	...
<i>Lutjanus lutjanus</i>	Bigeye snapper	...	...	...	...	...	...
<i>Lutjanus malabaricus</i>	Malabar blood snapper	...	...	...	...	...	...
<i>Lutjanus russelli</i>	Russell's snapper	...	...	...	...	...	...
<i>Lutjanus sebae</i>	Emperor red snapper	...	...	...	...	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	...	...	...	...	...	...
<i>Pristipomoides</i> spp.	Jobfishes <i>nei</i>	...	...	...	...	...	...
<i>Nemipterus hexodon</i>	Ornate threadfin bream	...	...	...	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	...	...	...	...	...	...
<i>Gazza</i> spp.	Toothpony	...	...	...	...	...	...
<i>Leiognathus</i> spp.	Ponyfishes (=Slipmouths)	2.59	...	2.59	...	...	...
<i>Secutor</i> spp.	Pugnose ponyfish	0.49	...	0.49	...	...	...
<i>Plectorhinchus</i> spp.	Sweetlips, rubberlips <i>nei</i>	...	...	...	...	...	...
<i>Pomadasys argenteus</i>	Silver grunt	...	...	...	...	...	...
<i>Pomadasys maculatus</i>	Saddle grunt	...	...	...	...	...	...
<i>Lethrinus</i> spp.	Emperors(=Scavengers) <i>nei</i>	...	...	...	...	...	...
<i>Gerres</i> spp.	Mojarras(=Silver-biddies) <i>nei</i>	...	...	...	...	...	...
<i>Drepane punctata</i>	Spotted sicklefish	...	...	...	...	...	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	...	...	...	...	...	...
<i>Siganus</i> spp.	Spinefeet (=Rabbitfishes) <i>nei</i>	0.39	...	0.39	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
...	0.001	0.011	0.011	...	...	...	...	5.104
...	0.117	0.117	...	...	...	...	0.03
8.09	...	8.09	...	...	...	...	...	...	0.0035	0.0035	...	...	...	...	0.025
0.05	...	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...
...	0.02	0.02	...	...	...	...	...
0.59	...	0.59	...	...	...	...	...	...	...	...	...	...	...	...	3.744
...	0.376	0.376	...	...	...	...	...
0.08	...	0.08	...	...	...	...	...	...	0.26	...	0.26	0.066	...	...	0.031
4.18	...	4.18	...	...	...	...	...	...	6.433	0.113	6.32	0.9	...	...	0.287
...	0.72	...	...	...	...	...	0.02
18.47	...	18.47	...	...	...	...	...	...	...	...	...	...	...	...	...
25.06	...	25.06	...	...	...	...	...	...	...	...	...	...	...	...	...
2.03	...	2.03	...	...	...	...	...	...	0.015	0.015	...	0.04	...	...	0.04
3.21	...	3.21	...	...	...	...	...	...	4.3935	0.0135	4.38	0.35	...	...	1.581
...	0.423	...	...	6.22
0.2	...	0.2	...	...	...	...	...	...	0.09	...	0.09	0.016	...	...	...
...	0.0029	0.93	0.8	0.13	...	...	...	...
...	0.13	...	0.13	...	...	...	...
1.57	...	1.57	...	...	...	...	...	...	4.545	0.006	4.539	4.54	...	...	0.806
0.55	...	0.55	...	...	...	...	...	...	...	...	...	...	...	...	...
...	0.07	...	0.07	1.86	...	...	0.02
44.43	...	44.43	...	...	...	...	...	...	0.04	...	0.04	1.49	...	...	4.521
...	0.1837	0.1837	...	...	...	...	...
37.75	...	37.75	...	...	...	...	...	0.0065	0.0082	0.0082	...	...	...	...	6.432
...
0.28	...	0.28	...	...	...	...	...	...	0.45	...	0.45	...	...	...	0.438
...	0.07	0.07	...	...	...	...	...
15.02	...	15.02	...	...	...	...	...	...	0.019	0.019	...	...	...	...	1.206
0.45	...	0.45	...	...	...	...	...	...	0.3045	...	0.3045	0.444	...	...	1.042
0.03	...	0.03	...	...	...	...	...	0.0007	0.027	0.027	...	...	...	...	...
1.22	...	1.22	...	...	...	...	...	...	...	...	...	...	...	...	0.083
...	1.178	...	...	0.27
...	3.8686	1.5336	2.335	...	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.1 Brunei Darussalam (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Muraenesox cinereus</i>	Daggertooth pike conger	...	...	...	...	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	2.29	...	2.29	...	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	1.12	...	1.12	...	...	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	0.11	...	0.11	...	...	...
<i>Dussumieria acuta</i>	Rainbow sardine	46.88	...	46.88	3.369	3.369	...
<i>Sardinella</i> spp.	<i>Sardinellas nei</i>	...	...	...	...	...	...
<i>Auxis thazard</i> , <i>A. rochei</i>	Frigate and bullet tunas	23.08	...	23.08	6.48	6.48	...
<i>Euthynnus affinis</i>	Kawakawa	13.14	...	13.14	...	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	825.71	...	825.71	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	1.38	...	1.38	...	...	...
<i>Thunnus albacares</i>	Yellowfin tuna	414.33	...	414.33	...	...	...
<i>Thunnus obesus</i>	Bigeye tuna	...	...	...	...	...	...
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	0.31	...	0.31	...	...	...
<i>Tetrapturus audax</i>	Striped marlin	...	...	...	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	12.76	...	12.76	...	...	...
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	0.26	...	0.26	...	...	...
<i>Lactarius lactarius</i>	False trevally	...	...	...	...	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	40.73	...	40.73	3.87	3.87	...
<i>Caranx sexfasciatus</i>	Bigeye trevally	...	...	...	...	...	...
<i>Caranx tille</i>	Tille trevally	1.39	...	1.39	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	1.58	...	1.58	0.662	0.662	...
<i>Alectis indicus</i>	Indian threadfish	...	...	...	...	...	...
<i>Gnathanodon speciosus</i>	Golden trevally	...	...	...	...	...	...
<i>Alepes</i> spp.	Scads	15.48	...	15.48	0.38	0.38	...
<i>Atule mate</i>	Yellowtail scad	0.53	...	0.53	...	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	9.94	...	9.94	...	...	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	0.39	...	0.39	8.19	8.19	...
<i>Parastromateus niger</i>	Black pomfret	3.09	...	3.09	0.1	0.1	...
<i>Elagatis bipinnulata</i>	Rainbow runner	...	...	...	...	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	...	...	...	...	...	...
<i>Scomberoides commerson</i>	Talang queenfish	...	...	...	0.845	0.845	...
<i>Rastrelliger brachysoma</i>	Short mackerel	...	...	...	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.1 Brunei Darussalam (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Rastrelliger kanagurta</i>	Indian mackerel	21.66	...	21.66	4.78	4.78	...
<i>Pampus argenteus</i>	Silver pomfret	...	...	...	...	...	...
<i>Pampus</i> spp.	Silver pomfrets <i>nei</i>	...	...	...	...	...	...
<i>Sphyræna</i> spp.	Barracudas <i>nei</i>	4.07	...	4.07	...	...	...
<i>Dasyatis</i> spp.	Stingrays <i>nei</i>	0.01	...	0.01	...	...	...
<i>Rhynchobatus djiddensis</i>	Giant guitarfish	...	...	...	...	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	...	...	...	...	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	...	...	...	...	...	...
<i>Panulirus polyphagus</i>	Mud spiny lobster	...	...	...	...	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters <i>nei</i>	...	...	...	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	...	...	...	...	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	...	...	...	...	...	...
<i>Penaeus</i> spp.	Penaeus shrimps <i>nei</i>	...	...	...	...	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps <i>nei</i>	...	...	...	...	...	...
Sergestidae	Shrimps <i>nei</i>	...	...	...	12.95	12.95	...
<i>Sepia</i> spp.	Cuttlefish	...	...	...	...	...	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	2.44	...	2.44	...	...	...
<i>Octopus</i> spp.	Octopuses <i>nei</i>	...	...	...	...	...	...
Others	-	8.29	...	8.29	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
1.32	...	1.32	...	...	...	...	...	...	...	...	2.073	...	...	11.75
0.23	...	0.23	...	...	...	...	...	...	...	...	...	...	...	...
...	0.115	
11.33	...	11.33	...	...	...	...	...	0.202	0.202	...	...	...	...	0.554
35.27	...	35.27	...	...	...	...	...	0.01	0.03	0.007	0.023	0.069	...	0.745
2.42	...	2.42	...	...	...	...	...	...	0.045	0.024	0.021	...	...	...
...	1.349	
...	0.008	0.005	0.003	...	...	...
...	0.0035	0.0035	...	...	...	...
...	0.1869	...	0.1869	0.03	...	0.036	
0.86	...	0.86	...	...	...	...	...	...	...	...	...	...	...	...
39.74	...	39.74	...	...	...	...	...	...	...	...	...	...	...	...
12.24	...	12.24	...	...	...	...	...	...	0.012	0.012	...	...	...	0.2165
10.47	...	10.47	...	...	...	...	...	...	...	...	...	...	...	12.3
...	
25.52	...	25.52	...	...	...	...	...	...	...	...	...	...	...	...
34.89	...	34.89	...	...	...	...	...	...	...	...	...	...	...	...
0.35	...	0.35	...	...	...	...	...	...	...	...	...	...	...	...
307.54	...	307.54	...	...	...	...	...	0.0456	1.4825	0.1725	1.31	...	...	24.849

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.2 Indonesia

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	903	...	...	957	746	211
<i>Hilsa kelee</i>	Kelee shad	26	...	...	105	105	...
<i>Ilisha elongata</i>	Elongate ilisha	...	...	...	...	...	...
<i>Chanos chanos</i>	Milkfish	7	...	...	3	3	...
<i>Lates calcarifer</i>	Barramudi(=Giant seaperch)	199	...	...	3,331	1,281	2,050
<i>Psettodes erumei</i>	Indian halibut	392	...	...	1,276	1,195	81
<i>Pseudorhombus arsius</i>	Largetooth flounder	...	...	...	59	59	...
<i>Harpadon nehereus</i>	Bombay duck	1	...	...	24	8	16
<i>Saurida tumbil</i>	Greater lizardfish	62	...	...	2,424	2,215	209
<i>Arius thalassinus</i>	Giant catfish	2,715	...	...	4,003	3,863	140
<i>Mugil cephalus</i>	Flathead grey mullet	4	...	...	1,510	547	963
<i>Valamugil seheli</i>	Bluespot mullet	167	...	...	2,272	1,782	490
<i>Caesio caerulea</i>	Blue and gold fusilier	24	...	...	2	...	2
<i>Caesio cunning</i>	Redbelly yellowtail fusilier	2,402	...	...	33	27	6
<i>Anyperodon leucogrammicus</i>	Slender grouper	...	...	...	329	329	...
<i>Epinephelus merra</i>	Honeycomb grouper	...	...	...	...	...	...
<i>Epinephelus tauvina</i>	Greasy grouper	5	...	...	8	...	...
<i>Cephalopholis boenak</i>	Chocolate hind	...	...	...	...	...	...
<i>Cromileptes altivelis</i>	Humpback grouper	166	...	...	139	104	35
<i>Plectropomus leopardus</i>	Leopard coral grouper	...	...	...	0.3	...	0.3
<i>Priacanthus tayenus</i>	Purple-spotted bigeye	2,150	...	...	16,121	16,120	1
<i>Priacanthus macracanthus</i>	Red bigeye	...	...	...	535	535	...
<i>Sillago sihama</i>	Silver sillago	581	...	...	21	5	16
<i>Mene maculata</i>	Moonfish	363	...	...	6	2	4
<i>Otolithes ruber</i>	Tigertooth croaker	2	...	...	1,444	1,185	259
<i>Nibea albiflora</i>	Yellow drum	...	...	...	...	...	...
<i>Protonibea diacanthus</i>	Blackspotted croaker	11	...	...	770	653	117
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	...	...	...	136	136	...
<i>Lutjanus malabaricus</i>	Malabar blood snapper	1	...	...	267	41	226
<i>Lutjanus sebae</i>	Emperor red snapper	...	...	...	...	...	...
<i>Lutjanus johnii</i>	John's snapper	14	...	...	...	...	...
<i>Lutjanus lutjanus</i>	Bigeye snapper	...	...	...	4	...	4

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
214.6	0.6	214	...	1,740	...	...	...	7,127	901	...	...	1,356	265	...	0.92
...	...	...	...	...	...	...	...	256	2	...	...	130	...	...	...
128	...	128	...	...	...	...	...	2,154	282	...	...	21	575	...	270
...	...	...	...	13	...	...	...	1,680	81	...	...	123	...	...	762
106	11	95	...	176	...	...	...	12,281	203	...	...	15,570	122	...	31
240	34	206	...	470	...	...	...	6,734	459	...	...	867	...	...	76
...	...	...	...	1	...	...	...	157	8	...	...	8	...	...	...
990	...	990	...	...	...	...	...	3,727	523	...	...	2	655	...	268
164	...	164	...	10	...	...	...	386	4	...	...	18	...	...	49
1876018	46630	1829388	...	28	...	...	...	32,782	724	...	...	18,304	22	...	1,231
...	...	...	...	190	...	...	...	8,189	255	...	...	461	...	...	12
58	2	56	...	357	...	...	...	20,900	672	...	...	378	377	...	269
0.064	...	0.064	...	32	...	...	...	591	216	...	...	608	...	...	28
...	...	...	...	202	...	...	...	9,124	102	...	...	2,245	...	...	168
...	...	...	...	...	...	...	...	...	11	...	...	365	...	...	6
...	...	...	...	...	...	...	...	228	213	...	...	904	...	...	25
...	...	...	...	...	...	...	...	234	30	...	...	488	...	...	10
...	...	...	...	...	...	...	...	6	7	...	...	84,486	...	...	5
1	1	...	...	91	...	...	...	483	910	...	...	3,838	18	...	8
...	...	...	...	0.521	...	...	...	643	698	...	...	8,837	...	...	255
...	...	...	...	11	...	...	...	655	42	...	...	392	...	...	11
...	...	...	...	0.06	...	...	...	97	4	...	...	440	...	...	0.1
1	...	1	...	...	...	...	...	2,244	186	...	...	39	...	...	1,061
0.11	...	0.11	...	136	...	...	...	294,382	...	...	...	3	...	...	...
51	...	51	...	3	...	...	...	3,923	100	...	...	236	...	...	2
...	...	...	...	...	...	...	...	271	590	...	...	17	...	...	...
425	52	373	...	0.04	...	...	...	3,402	285	...	...	1,290	...	...	1
...	...	...	...	...	...	...	...	306	487	...	...	828	...	...	9
274	...	274	...	...	...	...	...	1,306	634	...	...	1,730	...	...	38
...	...	...	...	...	...	...	...	27	223	...	...	51	...	...	0.05
...	...	...	...	9,005	...	...	...	60	31	...	...	26	...	...	...
...	...	...	...	...	...	...	...	37	15	...	...	53	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.2 Indonesia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Lutjanus vitta</i>	Snapper	...	...	...	...	...	...
<i>Pristipomoides multidentis</i>	Goldenbanded jobfish	131	...	...	...	...	...
<i>Pristipomoides typus</i>	Sharptooth jobfish	...	...	...	202	202	...
<i>Nemipterus hexodon</i>	Ornate threadfin bream	...	...	...	2.3	0.6	1.7
<i>Pomadasys argenteus</i>	Silver grunt	...	...	...	...	...	...
<i>Pomadasys maculatus</i>	Saddle grunt	...	...	...	...	...	...
<i>Upeneus sulphureus</i>	Sulphur goatfish	61	...	...	7,101	6,912	189
<i>Upeneus vittatus</i>	Yellowstriped goatfish	45	...	...	3286867	3264743	22,124
<i>Drepane punctata</i>	Spotted sicklefish	37	...	...	7	7	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	309	...	...	2,137	1,878	259
<i>Siganus canaliculatus</i>	White-spotted spinefoot	179	...	...	2,518	1,422	1,096
<i>Siganus guttatus</i>	Goldlined spinefoot	...	...	...	87	...	87
<i>Siganus virgatus</i>	Barhead spinefoot	...	...	...	...	...	...
<i>Abalister stellaris</i>	Starry triggerfish	298	...	...	2,417	2,417	...
<i>Trichiurus lepturus</i>	Largehead hairtail	2,369	...	...	6,932	6,105	827
<i>Sardinella brachysoma</i>	Deepbody sardinella	5,968	...	...	203	203	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	31,979	...	...	15,421	10,080	5,341
<i>Sardinella longiceps</i>	Indian oil sardine	...	...	...	...	...	...
<i>Sardinella fimbriata</i>	Fringescale sardinella	3,677	...	...	0.2	...	0.2
<i>Sardinella lemuru</i>	Bali sardinella	26,537	...	...	2,379	2,353	26
<i>Dussumieria acuta</i>	Rainbow sardine	2,094	...	...	1,973	1,619	354
<i>Euthynnus affinis</i>	Kawakawa	52,947	...	...	5,412	5,063	349
<i>Katsuwonus pelamis</i>	Skipjack tuna	147,026	...	...	9,568	8,292	1,276
<i>Thunnus tonggol</i>	Longtail tuna	46,464	...	...	3,590	2,352	1,238
<i>Thunnus alalunga</i>	Albacore	0.04	...	...	...	...	...
<i>Thunnus maccoyii</i>	Southern bluefin tuna	...	...	...	...	...	...
<i>Thunnus albacares</i>	Yellowfin tuna	55,483	...	...	3,213	2,272	941
<i>Thunnus obesus</i>	Bigeye tuna	9,579	...	...	770	736	34
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	1,084	...	...	891	891	...
<i>Makaira indica</i>	Black marlin	521	...	...	0.2	0.2	...
<i>Makaira nigricans</i>	Blue marlin	2,094	...	...	...	...	...
<i>Tetrapturus audax</i>	Striped marlin	...	...	...	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
...	...	...	...	...	...	...	...	163	...	...	8	...	...	...
...	...	...	...	...	...	...	...	6	10	...	3,255	...	...	264
...	...	...	...	16	...	...	...	53	55	...	383	...	...	...
242	...	242	...	13	...	...	...	141	13	...	482	...	...	8
...	...	...	...	...	...	...	...	23	4	...	4	...	...	4
...	...	...	...	...	...	...	...	0.06	...	...	...	...	...	...
177	...	177	...	22	...	...	...	1,274	380	...	1,353	...	...	...
15	...	15	...	79	...	...	...	4,400	10	...	788	6	...	213
...	...	...	...	138	...	...	...	749	53	...	260	...	...	...
333	...	333	...	921	...	...	...	30,970	1,726	...	3,018	294	...	138
27	5	22	...	1,545	...	...	...	17,911	5,899	...	7,864	69	...	1,110
...	...	...	...	11	...	...	...	4,472	1,326	...	164	...	...	47
...	...	...	...	0.2	...	...	...	30	149	...	...	...	...	33
72	1	71	...	...	...	...	...	310	373	...	71	...	...	2
761	291	470	...	3,577	...	...	...	35,276	621	...	18,377	261	...	883
...	...	...	...	468	...	...	...	34	...	...	26	...	...	2
986	3	983	...	41,067	...	...	...	50,319	2,162	...	3,742	81	...	4,450
5	...	5	...	...	...	...	...	81	...	...	...	...	...	...
...	...	...	...	2,088	...	...	...	510	...	...	2	...	...	177
...	...	...	...	128	...	...	...	5,316	...	...	49	...	...	27
52	0.6	51	...	10,958	...	...	...	4,869	206	...	1,139	98	...	1,197
0.01	0.01	...	...	3,250	...	...	...	22,896	116	...	40,161	0.2	...	408
215	2	213	...	7,876	...	...	...	47,803	831	...	251,261	27	...	1,001
135	2	133	...	3,883	...	...	...	58,490	359	...	64,233	23	...	3,366
...	...	...	...	...	...	...	...	0.02	...	...	4,281	...	...	0.2
...	...	...	...	...	...	...	...	...	...	...	1,298	...	...	...
...	...	...	...	1,036	...	...	...	9,325	768	...	152,375	...	...	803
3	3	...	...	949	...	...	...	6,132	...	...	45,773	42	...	291
...	...	...	...	761	...	...	...	8,700	120	...	5,560	...	...	99
...	...	...	...	531	...	...	...	704	2	...	5,796	...	...	18
...	...	...	...	2	...	...	...	122	...	...	4,112	...	...	...
...	...	...	...	383	...	...	...	421	...	...	457	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.2 Indonesia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Xiphias gladius</i>	Swordfish	114	...	...	9	9	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	7,451	...	...	8,194	4,445	3,749
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	1,433	...	...	517	366	151
<i>Lactarius lactarius</i>	False trevally	...	...	...	...	...	...
<i>Rachycentron canadum</i>	Cobia	18	...	...	238	227	11
<i>Decapterus kurroides</i>	Red tail scad	9,004	...	...	2,116	1,244	872
<i>Decapterus macrosoma</i>	Shortfin scad	21,525	...	...	3,593	3,510	83
<i>Decapterus russelli</i>	Indian scad	69,180	...	...	6,422	6,374	49
<i>Decapterus macarellus</i>	Mackerel scad	49,914	...	...	543	508	35
<i>Caranx melampygus</i>	Bluefin trevally	105	...	...	20	...	20
<i>Caranx sexfasciatus</i>	Bigeye trevally	262	...	...	321	194	127
<i>Caranx tille</i>	Tille trevally	...	...	...	...	...	...
<i>Trachinotus blochii</i>	Snubnose pompano	...	...	...	168	160	8
<i>Gnathanodon speciosus</i>	Golden trevally	34	...	...	...	...	...
<i>Uraspis uraspis</i>	Whitemouth jack	492	...	...	167	159	8
<i>Alepes djedaba</i>	Shrimp scad	1,519	...	...	23	3	20
<i>Atule mate</i>	Yellowtail scad	10,231	...	...	2,303	2,153	150
<i>Selar crumenophthalmus</i>	Bigeye scad	15,829	...	...	3,066	2,558	508
<i>Selar boops</i>	Oxeye scad	428	...	...	0.48	0.48	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	35,669	...	...	9,859	8,229	1,629
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	...	...	...	...	...	...
<i>Parastromateus niger</i>	Black pomfret	2,304	...	...	5,139	4,433	676
<i>Elagatis bipinnulata</i>	Rainbow runner	3,716	...	...	259	209	50
<i>Megalaspis cordyla</i>	Torpedo scad	2,477	...	...	3,225	970	2,255
<i>Scomberoides commersonianus</i>	Talang queenfish	128	...	...	308	245	63
<i>Scomberoides tol</i>	Needlescaled queenfish	274	...	...	0.87	...	0.87
<i>Coryphaena hippurus</i>	Common dolphinfish	1,559	...	...	195	108	87
<i>Scomber australasicus</i>	Blue mackerel	1,299	...	...	6	6	...
<i>Rastrelliger brachysoma</i>	Short mackerel	7,972	...	...	746	595	151
<i>Rastrelliger kanagurta</i>	Indian mackerel	20,489	...	...	1,276	806	470
<i>Pampus argenteus</i>	Silver pomfret	1,664	...	...	2,769	2,350	419
<i>Sphyræna jello</i>	Pickhandle barracuda	...	...	...	0.11	...	0.11

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
0.05	...	0.05	...	23	...	...	...	97	...	...	...	1,475	...	...	4
226	57	169	...	2,754	...	...	...	81,751	360	...	...	60,392	259	...	7,842
5	1	4	...	1,368	...	...	...	15,561	146	...	...	16,035	58	...	167
...	...	...	...	...	...	...	...	24	...	...	...	...	...	...	...
...	...	...	...	97	...	...	...	547	38	...	...	589	...	...	80
101	1	100	...	2,408	...	...	...	22,379	2,000	...	...	5,449	22	...	7,502
2	...	2	...	5,032	...	...	...	2,350	20,899	...	...	1,817	...	...	463
2	1.7	0.3	...	3,900	...	...	...	14,071	635	...	...	15,274	22	...	1,281
15	...	15	...	1,111	...	...	...	33,392	2	...	...	5,544	0.05	...	80
34	...	34	...	9	...	...	...	2,785	...	...	...	3,065	...	...	15
191	...	191	...	185	...	...	...	3,232	113	...	...	5,166	...	...	155
...	...	...	...	...	...	...	...	780	7	...	...	472	...	...	...
...	...	...	...	...	...	...	...	74	...	...	...	206	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	...
...	...	...	...	2	...	...	...	8,347	...	...	...	3,883	...	...	...
...	...	...	...	210	...	...	...	4,405	88	...	...	1,761	...	...	33
153	...	153	...	7,373	...	...	...	11,557	306	...	...	9,887	...	...	361
17	2	15	...	3,841	...	...	...	20,986	27	...	...	11,454	38	...	1,010
...	...	...	...	101	...	...	...	744	...	...	...	405	...	...	238
871	27	84	...	9,449	...	...	...	31,454	1,833	...	...	24,102	79	...	5,729
...	...	...	...	49	...	...	...	0.224	...	...	...	3	...	...	0.04
534	4	530	...	1,202	...	...	...	40,032	1,789	...	...	11,007	74	...	656
2	2	...	...	239	...	...	...	2,308	28	...	...	3,687	23	...	46
59	...	59	...	1,247	...	...	...	11,425	183	...	...	4,598	...	...	2,939
114	...	114	...	3	...	...	...	1,334	...	...	...	121	...	...	...
...	...	...	...	3	...	...	...	75	6	...	...	239	...	...	74
3	...	3	...	106	...	...	...	2,121	54	...	...	14,210	...	...	272
...	...	...	...	...	...	...	...	1,502	...	...	...	220	...	...	...
310	35	275	...	2,515	...	...	...	12,135	70	...	...	1,972	21	...	1,196
308	26	282	...	4,158	...	...	...	32,037	46	...	...	4,225	24	...	2,086
746	20	726	...	1,139	...	...	...	34,585	2,197	...	...	14,212	102	...	913
...	...	...	...	...	...	...	...	44	1	...	...	8	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.2 Indonesia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Sphyrna barracuda</i>	Great barracuda	1,093	...	...	465	247	218
<i>Chiloscyllium punctatum</i>	Brownbanded bambooshark	...	...	...	...	...	...
<i>Carcharhinus amblyrhynchos</i>	Grey reef shark	...	...	...	...	...	...
<i>Carcharhinus dussumieri</i>	Whitecheek shark	...	...	...	...	...	...
<i>Carcharhinus falciformis</i>	Silky shark	0.029	...	...	...	...	...
<i>Carcharhinus leucas</i>	Bull shark	...	...	...	...	...	...
<i>Carcharhinus brevipinna</i>	Spinner shark	...	...	...	...	...	...
<i>Carcharhinus sorrah</i>	Spottail shark	0.017	...	...	0.024	0.024	...
<i>Triaenodon obesus</i>	Whitetip reef shark	...	...	...	...	...	...
<i>Rhizoprionodon acutus</i>	Milk shark	1	...	...	107	107	...
<i>Sphyrna lewini</i>	Scalloped hammerhead	...	...	...	...	...	...
<i>Squalus megalops</i>	Shortnose spurdog	16	...	...	...	...	...
<i>Rhynchobatus djiddensis</i>	Giant guitarfish	7	...	...	252	252	...
<i>Rhina ancylostoma</i>	Bowmouth guitarfish	...	...	...	103	103	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	130	...	...	54	23	31
<i>Portunus pelagicus</i>	Blue swimming crab	581	...	...	652	563	89
<i>Scylla serrata</i>	Indo-Pacific swamp crab	...	...	...	4	1	3
<i>Panulirus versicolor</i>	Painted spiny lobster	...	...	...	10	...	10
<i>Panulirus polyphagus</i>	Mud spiny lobster	...	...	...	...	...	...
<i>Thenus orientalis</i>	Flathead lobster	...	...	...	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	21	...	...	1,309	1,300	9
<i>Penaeus semisulcatus</i>	Green tiger prawn	...	...	...	...	...	...
<i>Penaeus latisulcatus</i>	Western king prawn	...	...	...	...	...	...
<i>Metapenaeus affinis</i>	Jinga shrimp	11	...	...	348	322	26
<i>Metapeneaus brevicornis</i>	Yellow shrimp	0.01	...	...	7	7	...
<i>Metapeneaus endeavouri</i>	Endeavour shrimp	44	...	...	1,662	1,661	1
<i>Metapeneaus lysianassa</i>	Bird shrimp	...	...	...	121	121	...
<i>Parapeneaeopsis sculptilis</i>	Rainbow shrimp	...	...	...	84	84	...
<i>Crassostrea gigas</i>	Pacific cupped oyster	14	...	...	13	13	...
<i>Perna viridis</i>	Green mussel	...	...	...	144	144	...
<i>Amusium pleuronectes</i>	Asian moon scallop	...	...	...	297	297	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
29	2	27	...	312	...	...	...	3,596	117	...	...	6,331	27	...	920
...	0.526	0.314	...	...	4	...	...	0.277
...	0.083	...	...	...	29	...	...	...	0.621	...	...	...
...	898	...	...	...	1,324	...	...	...
...	12	...	...	...	56	...	...	...
...	37	...	...	...	212	...	...	...
...	0.1	...	...	...	575	...	...	...	0.994	...	...	0.308
...	0.054	...	...	...	270	0.059	...	...	61	...	...	...
...	9	0.427	...	...	47	...	...	...
10	...	10	...	22	...	...	...	177	17	...	...	362	...	...	...
...	0.194	21	...	...	263	...	...	...
...	100	...	...	...	69	...	...	...
35	35	...	...	0.397	...	...	...	1,646	175	...	...	1,110	...	...	24
115	...	115	...	...	...	...	...	2	...	...	...	42	...	...	...
...	525	802	...	...	56	...	...	0.805
604	147	457	...	423	...	...	...	25,461	65,903	...	...	1,275	54	...	2,791
0.106	...	0.106	...	26	...	...	...	604	5,420	...	...	3	...	...	24
...	1,927	98	...	...	2	...	...	31
...	4	...	...	...	...	...	...	...
...	100	2	...	...	0.011	...	...	9
53	2	51	...	43	...	...	...	12,363	1,288	...	...	364	1,047	...	45
...	19	2	...	...	...	...	...	...
...	1,361	227	...	...	...	...	...	...
107	1	106	...	...	...	...	...	2,408	138	...	...	0.003	133	...	...
...
1,062	2	1,060	...	58	...	...	...	15,490	556	...	...	193	365	...	844
64	...	64	...	...	...	...	...	3,134	110	...	...	29	...	...	359
1	...	1	...	...	...	...	...	644	31	...	...	...	209	...	...
...	17	...	...	...	18	24	...	...	9	...	...	199
...	174	5,203	...	...	71	2	...	6,407
493	...	493	...	...	...	...	...	...	181	...	...	...	...	...	36

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.2 Indonesia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Anadara granosa</i>	Blood cockle	...	...	...	169	1	168
<i>Dermochelys coriacea</i>	Leatherback turtle	...	...	...	...	...	...
<i>Eretmochelys imbricata</i>	Hawksbill turtle	...	...	...	...	...	...
<i>Bohadschia argus</i>	Leopard fish	...	...	...	...	...	...
<i>Holothuria scabra</i>	Sand fish	9	...	...	0.436	0.436	...
<i>Holothuria atra</i>	Lollyfish	...	...	...	...	...	...
<i>Holothuria fuscogilva</i>	White teatfish	...	...	...	...	...	...
<i>Stichopus variegatus</i>	Curryfish	...	...	...	...	...	...
<i>Stichopus chloronotus</i>	Greenfish	...	...	...	...	...	...
<i>Stichopus horrens</i>	Selenka's sea cucumber	...	...	...	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.3 Malaysia

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	4	4	...	13	...	...
<i>Hilsa kelee</i>	Kelee shad	...	...	...	...	...	...
<i>Tenuالosa macruna</i>	Longtail shad	...	...	...	...	...	...
<i>Ilisha elongata</i>	Elongate ilisha	1,132	6	1,126	770	...	...
<i>Pellona ditchela</i>	Indian pellona	336	5	331	0.0009	...	...
<i>Lates calcarifer</i>	Barramudi(=Giant seaperch)	15	...	15	38	...	...
Cynoglossidae	Tonguefishes	72	...	72	8	...	...
<i>Pseudorhombus</i> spp.	Flounders	13	...	13	76	...	...
<i>Harpadon nehereus</i>	Bombay duck	0.04	...	0.04	24.55	...	...
<i>Saurida</i> spp.	Lizard fishes	131	...	131	0.05	...	...
<i>Arius</i> spp.	Sea catfishes <i>nei</i>	204	4	200	430	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	26	...	26	40	...	...
<i>Lisa</i> spp.	Mulletts	2	...	2	95	...	...
<i>Pterocaeso</i> spp.	Fusiliers	19	...	19	35.347	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	25	...	25	20	...	...
<i>Priacanthus tayenus</i>	Purple-spotted bigeye	113	...	113	...	...	...
<i>Sillago</i> spp.	Sillago-whitings	0.2	...	0.2	11	...	...
<i>Mene maculata</i>	Moonfish	0.3	...	0.3	...	...	...
<i>Otolithes rubber</i>	Tigertooth croaker	185	40	145	1,961	...	...
<i>Lutjanus malabaricus</i>	Malabar blood snapper	328	...	328	8	...	...
<i>Lutjanus johnii</i>	John's snapper	36	...	36	0.1	...	...
<i>Lutjanus russelli</i>	Russell's snapper	0.2	...	0.2	2	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	61	...	61	...	...	...
<i>Pristipomoides multidentis</i>	Goldenbanded jobfish	...	...	...	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	38	...	38	...	...	...
<i>Scolopsis</i> spp.	Monocole breams	...	...	...	...	...	...
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	114	88	26	17	...	...
<i>Plectorhinchus</i> spp.	Sweetlips	6	...	6	...	...	...
<i>Pomadasys</i> spp.	-	35	...	35	2	...	...
<i>Lethrinus</i> spp.	Emperors(=Scavengers) <i>nei</i>	1	...	1	...	...	...
<i>Upeneus</i> spp.	Goatfishes	17	...	17	...	...	...
<i>Gerres</i> spp.	Mojarras <i>nei</i>	10	...	10	24	...	...
<i>Drepane punctata</i>	Spotted sicklefish	16	...	16	28	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
2,526	7,011	9	8	1	5	6	...	21	
10	326	...	...	...	1	...	...	...
15	1,827	...	...	...	...	...	...	1	
3,663	2,936	16	16	...	2	43	...	10	
4,503	5,209	21	21	...	...	46	...	7	
655	1,407	93	21	72	1,077	2	...	35	
2,674	1,251	52	15	37	0.3	0.1	...	38	
3,056	1,051	14	3	11	0.4	15	...	6	
268	2,420	4	1	2	...	...	...	356	
42,371	6	35	..	35	17	...	...	1	
5,660	286	...	...	12,027	271	100	171	1,491	84	...	455	
138	2,398	221	8	213	516	3	...	258	
375	8,345	137	37	100	199	3	...	133	
257.07	2	...	...	341	787	6	199	830	...	...	107	
1,853	1,545	1,571	31	1,540	2,470	0.02	...	453	
10,859	74	...	...	...	...	...	...	...
740	763	12	...	12	1	0.5	...	7	
33	13	3	3	...	3	...	...	...
19,883	37	...	...	15,040	303	153	150	193	135	...	274	
1,926	10	...	...	2,457	687	41	646	2,054	0.1	...	21	
1,561	510	433	3	430	1,926	...	...	6	
418	1	...	...	181	44	0.4	44	269	0.5	...	2	
3,004	105	532	...	532	156	...	...	...
1,593	131	366	2	364	531	...	...	2	
26,295	40	...	...	4,597	8,962	32	8,930	1,131	...	...	10	
835	14	...	...	423	207.1	0.1	207	18	...	...	...
8,477	68	...	...	820	40	36	3	0.04	...	...	...
427	117	285	...	285	388	...	...	1	
1,463	67	...	...	986	111	35	76	979	...	...	10	
251	74	132	2	130	654	...	...	37	
11,354	47	194	3	191	34	...	...	...
589	2	...	...	579	21	13	7	15	...	...	15	
534	39	...	...	1,102	370	30	340	322	0.02	...	2	

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.3 Malaysia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Scarus</i> spp.	Parrot fish	0.01	...	0.01	33	...	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	...	...	...	0.4	...	...
<i>Polynemus</i> spp.	Threadfins	72	...	72	50	...	...
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	404	5	400	114	...	...
<i>Abalister stellaris</i>	Starry triggerfish	...	...	...	...	...	...
<i>Muraenesox</i> spp.	Pike-congers <i>nei</i>	112	...	112	...	...	...
<i>Trichiurus</i> spp.	Hairtails <i>nei</i>	1,599	...	1,599	7	...	...
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	31,398	98	31,300	14	...	...
<i>Dussumieria</i> spp.	Rainbow sardines <i>nei</i>	12,063	6	12,057	36	...	...
<i>Stolephorus</i> spp.	<i>Stolephorus</i> anchovies	12,201	12,200	1	14	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	14	...	14	...	...	...
<i>Auxis thazard</i> , <i>A. rochei</i>	Frigate and bullet tunas	3,246	...	3,246	11	...	...
<i>Euthynnus affinis</i>	Kawakawa	19,112	...	19,112	122	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	11,533	...	11,533	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	35,834	...	35,834	256	...	...
<i>Thunnus alalunga</i>	Albacore	...	...	...	...	...	...
<i>Thunnus albacares</i>	Yellowfin tuna	...	...	...	...	...	...
<i>Thunnus obesus</i>	Bigeye tuna	...	...	...	...	...	...
<i>Istiophorus platyterus</i>	Indo-Pacific sailfish	9	...	9	...	...	...
<i>Makaira mazara</i>	Indo-Pacific blue marlin	0.5	...	0.5	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	1,398	2	1,396	...	...	...
<i>Lactarius lactarius</i>	False trevally	1	...	1	...	...	...
<i>Rachycentron canadum</i>	Cobia	9	...	9	...	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	69,978	...	69,978	...	...	...
<i>Caranx sexfasciatus</i>	Bigeye travally	104	...	104	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	0.1	...	0.1	...	...	...
<i>Alectis indicus</i>	Indian threadfish	116	...	116	24	...	...
<i>Carangoides</i> spp.	Horse mackerel	785	5	780	38	...	...
<i>Gnathanodon speciosus</i>	Golden trevally	34	...	34	...	...	...
<i>Atule mate</i>	Yellowtail scad	3,471	0.2	3,471	...	...	...
<i>Alepes</i> spp.	Scads	6,445	3	6,442	10	...	...
<i>Selar boops</i>	Oxeye scad	11,422	...	11,422	...	...	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	4,479	...	4,479	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
179	168	133	7	126	352	...	...	331	
27	1,048	0.02	0.02	...	38	...	...	0.1	
2,067	35	...	...	7,660	25	19	6	412	0.8	...	21	
307	577	355	171	184	335	0.02	...	20	
420	2	26	1	25	64	...	...	...
4,779	1,322	35	...	35	2,152	0.1	...	1	
13,359	2,506	14	14	...	17	...	...	6	
720	315	...	...	3,060	1.02	1	0.02	57	...	...	724	
4,488	796	...	...	1,480	...	...	...	3,124	1	...	144	
123	10,791	...	...	500	3	1	...	0.05	0.002	...	488	
2,473	23	...	...	2,863	...	...	...	3	...	...	0.4	
34	148	...	...	229	...	...	...	5	...	...	...
70	6	...	...	726	...	...	...	794.4	...	...	...
53	490	...	...	...	66	...	...	52.5	
489	5	...	...	2,283	...	...	...	831	0.05	...	...
1	923	...	...	...
...	1,183	...	...	...
...	8	...	...	...	1,810	...	...	...
3	78	...	...	...	72	...	...	...
7	11	...	...	...	93	...	...	...
4,407	14	...	...	7,525	20	2	18	2,273	...	...	3	
137	137	...	...	...	0.2	...	...	...
151	50	36	...	36	554	...	...	2	
7,474	753	...	...	318	4	...	4	539	...	...	...
10	249	23	...	23	120	...	...	2	
152	36	8	...	8	171	...	...	...
1,315	34	...	...	1,391	251	28	222	582	...	...	4	
1,384	67	...	...	2,446	243	40	203	2,120	...	...	127	
6	23	1	...	1	15	...	...	...
3,099	19	...	...	1,613	1.35	1.35	...	30	121	...	...
2,762	1,151	...	...	2,320	10.05	10	0.05	649	...	...	2	
6,086	21	...	...	278	0.1	...	0.1	13	...	...	...
4,962	226	...	...	1,136	115	1	113	760	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.2 Malaysia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	6	...	6	...	...	...
<i>Parastromateus niger</i>	Black pomfret	1,160.75	0.75	1,160	4	...	...
<i>Elagastis bipinnulata</i>	Rainbow runner	210	...	210	...	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	18,264	2	18,262	2	...	...
<i>Scomberoides</i> spp.	Queenfish	187	9	178	7	...	...
<i>Coryphaena hippurus</i>	Common dolphinfish	19	...	19	9	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	21,612.1	0.1	21,612	11	...	...
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	27,074	2	27,072	2	...	...
<i>Pampus argenteus</i>	Silver pomfret	140	...	140	247	...	...
<i>Pampus chinensis</i>	Chinese silver pomfret	62	...	62	51	...	...
<i>Pampus</i> spp.	Silver pomfrets <i>nei</i>	...	...	...	...	...	...
<i>Platycephalus indicus</i>	Bartail flatfish	0.01	...	0.01	0.03	...	...
<i>Thachysurus leiotetocephalus</i>	-	...	...	...	4	...	...
<i>Lagocephalus sceleratus</i>	Silverside blaasop	36	...	36	0.12	...	...
<i>Aluterus monoceros</i>	Unicorn leatherjacket	2,823	...	2,823	...	...	...
<i>Ablennes hians</i>	Flat needlefish	41	1	40	20	...	...
<i>Lobotes surinamensis</i>	Atlantic tripletail	5	...	5	0.1	...	...
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	131	...	131	6	...	...
<i>Septipinna tenuifilis</i>	Common hairfin anchovy	...	...	...	...	...	...
<i>Coilia macrognathos</i>	Goldspotted grenader anchovy	...	...	...	1,306	...	...
<i>Hyporhamphus quoyi</i>	Halfbeaks <i>nei</i>	...	...	...	41	...	...
<i>Sphyrna lewini</i>	Scalloped hammerhead	...	...	...	...	...	...
<i>Sphyrna</i> spp.	Barracudas <i>nei</i>	882	9	873	20	...	...
<i>Chiloscyllium punctatum</i>	Brownbanded bambooshark	...	...	...	...	...	...
<i>Chiloscyllium</i> spp.	Bamboo sharks <i>nei</i>	...	...	...	0.03	...	...
<i>Carcharhinus leucas</i>	Bull shark	...	...	...	...	...	...
<i>Carcharhinus sorrah</i>	Spottail shark	...	...	...	...	...	...
<i>Carcharhinus</i> spp.	Sharks <i>nei</i>	30	...	30	...	...	...
<i>Dasyatis</i> spp.	Stingrays <i>nei</i>	4	...	4	82	...	...
-	Trash fish	30,451	294	30,157	18,490	...	...
-	Mixed fish	8,004	123	7,881	89	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	...	...	...	...	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	21	...	21	187	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
446	31	1	...	1	8	...	...	...
2,624	167	...	...	2,345	17.02	17	0.2	3	876	...	37	
145	180	4.04	0.04	4	140	...	...	...
4,760	40	...	...	3,712	33	29	4	673	...	...	2	
690	467	...	...	2,258	124	34	90	744	...	...	11	
1	6	3	...	0.3	19	...	...	...
14,674	251	...	...	13,412	41	35	6	242	32	...	6	
8,800	43	...	...	66,328	30	26	4	...	29	...	1	
2,541	41	...	...	2,915	18.2	18	0.2	0.2	1	...	29	
1,151	6	...	...	1,359	3	1	2	1	2	...	9	
513	0.02	...	...	982	...	...	...	...	...	...	57	
743	103	13	...	13	0.1	0.02	...	1	
57	817	29	...	29	546	5	...	118	
1,060	239	...	...	...	...	...	...	1	
2,370	26	...	...	6	5	...	5	29	...	...	...
58	816	0.2	0.2	...	234	...	...	3	
81	666	...	...	...	9	0.2	...	1	
44	291	2	2	...	2	0.08	...	0.1	
3	2,292	...	...	...	...	...	...	254	
60	1,284	3	3	...	...	1	...	279	
0.6	30	...	...	...	...	...	...	...
19	2	...	2	...	...	...	...
3,740	162	...	...	1,478	62	3	59	768	0.3	...	8	
170	53	9	...	9	17	...	...	1	
182	32	30	...	30	12	0.05	...	...
1	1	...	...	...	0.2	...	...	...
91	1	2	...	2	12	...	...	...
1,658	86	...	...	2,150	17.1	0.1	17	274	...	...	0.01	
4,158	17	...	...	3,345	121	46	75	2,011	2	...	82	
211,557	924	1,357	16	1,341	...	697	...	774	
16,701	916	...	...	8,696	535	143	391	315	325	...	215	
...	2	65.1	65	0.1	4	3	...	31	
4,988	5,162	609	3	606	2	12	...	1,265	

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.3 Malaysia (Cont'd)

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Scylla serrata</i>	Indo-Pacific swamp crab	...	...	...	0.01	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters <i>nei</i>	...	...	...	...	...	...
<i>Thenus orientalis</i>	Flathead lobster	...	...	...	...	...	...
<i>Penaeus merguensis</i>	Banana prawn	20	...	20	523	...	...
<i>Penaeus indicus</i>	Indian white prawn	13	...	13	4	...	...
<i>Penaeus latisulcatus</i>	Western king prawn	...	...	...	10	...	...
<i>Penaeus monodon</i>	Tiger prawn	10	...	10	...	...	...
<i>Metapenaeus affinis</i>	Jinga shrimp	...	...	...	...	...	...
<i>Metapenaeus brevicornis</i>	Yellow shrimp	...	...	...	53	...	...
<i>Metapenaeus ensis</i>	Greasyback shrimp	...	...	...	...	...	...
<i>Metapenaeus lysianassa</i>	Bird shrimp	65	...	65	790	...	...
<i>Metapenaeus</i> spp.	<i>Metapenaeus</i> shrimps <i>nei</i>	...	...	...	492	...	...
<i>Parapenaeopsis coromandelica</i>	Coromandel shrimp	...	...	...	...	...	...
<i>Parapenaeopsis hardwickii</i>	Spear shrimp	...	...	...	...	...	...
<i>Parapenaeopsis sculptilis</i>	Rainbow shrimp	...	...	...	102	...	...
<i>Acetes</i> spp.	Paste shrimp	...	...	...	...	...	...
<i>Metapenaeopsis stridulans</i>	Fiddler shrimp	...	...	...	70	...	...
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	...	...	...	...	...	...
<i>Perna viridis</i>	Green mussel	...	...	...	...	...	...
<i>Meretrix</i> spp.	Hard clams <i>nei</i>	...	...	...	...	...	...
<i>Sepia</i> spp.	Cuttlefish <i>nei</i>	79	1	78	331	...	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	5,391	1	5,390	100	...	...
<i>Octopus</i> spp.	Octopuses <i>nei</i>	35	...	35	28.3	...	...
<i>Squilla mantis</i>	-	31	...	31	68	...	...
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	5	...	5	...	...	...
<i>Loligo sibogae</i>	Sibogae squid	147	...	147	...	...	...
<i>Limulus polyphemus</i>	Horseshoe crab	...	...	...	...	...	...
-	Sea cucumbers <i>nei</i>	...	...	...	...	...	...
<i>Circe scripta</i>	Script venus	...	...	...	...	...	...
<i>Orbicularia orbiculata</i>	Short-necked clam	...	...	...	...	...	...
Bivalves/Gastropods	Other clams	...	...	...	...	...	...
<i>Rhopilema</i> spp.	Jellyfish	...	...	...	...	...	...
<i>Terapon</i> spp.	Crescent grunter	0.3	...	0.3	...	...	...
Scombridae	-	2,489	...	2,498	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.4 Singapore

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	...	...	...	...	...	...
<i>Arius</i> spp.	Sea catfishes <i>nei</i>	...	...	...	...	...	...
<i>Valamugil</i> spp.	Mulletts	...	...	...	...	...	...
<i>Pterocaesio</i> spp.	Fusiliers	...	...	...	...	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	...	...	...	...	...	...
<i>Sillago</i> spp.	Sillago-whittings	...	...	...	...	...	...
<i>Mene maculata</i>	Moonfish	...	...	...	...	...	...
<i>Pennahia</i> spp.	Croakers	...	...	...	...	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	...	...	...	...	...	...
<i>Pristipomoides</i> spp.	Jobfishes <i>nei</i>	...	...	...	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	...	...	...	...	...	...
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	...	...	...	...	...	...
<i>Pomydasys</i> spp.	Grunts <i>nei</i>	...	...	...	...	...	...
<i>Parupeneus</i> spp.	Goatfishes <i>nei</i>	...	...	...	...	...	...
<i>Polynemus</i> spp.	Threadfins <i>nei</i>	...	...	...	...	...	...
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	...	...	...	...	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	...	...	...	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	...	...	...	...	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	...	...	...	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	...	...	...	...	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	...	...	...	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	...	...	...	...	...	...
<i>Parastromateus niger</i>	Black pomfret	...	...	...	...	...	...
<i>Scomberoides</i> spp.	Queenfishes <i>nei</i>	...	...	...	...	...	...
<i>Sphyræna</i> spp.	Barracudas <i>nei</i>	...	...	...	...	...	...
<i>Carcharhinus amblyrhynchos</i>	Grey reef shark	...	...	...	...	...	...
<i>Dasyatis</i> spp.	Stingrays <i>nei</i>	...	...	...	...	...	...
Clupeoidei	Clupeoids <i>nei</i>	...	...	...	...	...	...
Osteichthyes	Marine fishes <i>nei</i>	...	...	...	...	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	...	...	...	...	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	...	...	...	...	...	...
<i>Penaeus</i> spp.	Penaeus shrimps <i>nei</i>	...	...	...	...	...	...
<i>Sepia</i> spp.	Cuttlefishes <i>nei</i>	...	...	...	...	...	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	...	...	...	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.5 Thailand

Scientific Name	FAO English Name	SEAFDEC Sub-areas	Purse Seine			Seine Net		
			All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Lates calcarifer</i>	Barramudi (=Giant seaperch)	57b	...	...	...	...	...	...
<i>Lates calcarifer</i>	Barramudi (=Giant seaperch)	71a	...	...	...	...	...	...
Pleuronectiformes	Flatfishes <i>nei</i>	57b	2	...	2	...	...	...
Pleuronectiformes	Flatfishes <i>nei</i>	71a	2	...	2	...	...	...
<i>Psettodes erumei</i>	Indian halibut	57b	...	...	...	...	...	...
<i>Psettodes erumei</i>	Indian halibut	71a	2	1	1	...	...	...
<i>Saurida</i> spp.	Lizard fishes	57b	306	...	306	...	...	...
<i>Saurida</i> spp.	Lizard fishes	71a	1,310	98	1,212	...	...	...
<i>Arius</i> spp.	Sea catfishes <i>nei</i>	57b	8	8	...	...	...	...
<i>Arius</i> spp.	Sea catfishes <i>nei</i>	71a	1	...	1	...	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	57b	16	...	16	...	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	71a	15	...	15	...	...	...
<i>Lisa</i> spp.	Mullets <i>nei</i>	57b	...	...	...	...	...	...
<i>Lisa</i> spp.	Mullets <i>nei</i>	71a	413	...	413	...	...	...
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	57b	1,457	...	1,457	...	...	...
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	71a	678	17	661	...	...	...
<i>Sillago</i> spp.	Sillago-whitings	57b	...	...	...	...	...	...
<i>Sillago</i> spp.	Sillago-whitings	71a	1	...	1	...	...	...
Sciaenidae	Croakers, drums <i>nei</i>	57b	25	9	16	...	...	...
Sciaenidae	Croakers, drums <i>nei</i>	71a	265	1	264	...	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	57b	1,355	...	1,355	...	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	71a	478	19	459	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	57b	41	...	41	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	71a	77	3	74	...	...	...
<i>Scolopsis</i> spp.	Monocole breams	57b	5	...	5	...	...	...
<i>Scolopsis</i> spp.	Monocole breams	71a	37	11	26	...	...	...
<i>Polynemus</i> spp.	Threadfins <i>nei</i>	57b	...	...	...	...	...	...
<i>Polynemus</i> spp.	Threadfins <i>nei</i>	71a	4	...	4	...	...	...
<i>Trichiurus</i> spp.	Hairtails <i>nei</i>	57b	1,854	...	1,854	...	...	...
<i>Trichiurus</i> spp.	Hairtails <i>nei</i>	71a	555	35	520	...	...	...
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	57b	7,785	2	7,783	...	...	...
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	71a	35,541	2,429	33,112	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Station-ary trap	Porta-ble trap				
...	...	...	...	...	...	...	...	5.39	...	5.39	170.8	...	...	1.40
...	...	...	...	...	...	...	30.47	7.47	...	7.47	75.07	...	...	1.26
224	...	211	13	...	...	...	140.35	9.56	...	9.56	8.07	...	...	0.46
1,270	610	645	15	...	...	...	347.48	...	...	...	5.13	...	...	...
55	...	35	20	...	...	...	2.89	...	...	...	...	...	...	...
191	44	140	7	...	...	...	798.8	0.61	...	0.61	...	...	...	...
13,336	...	10,819	2,517	...	18	18	171.24	2	...	2	1	...	...	...
8,043	11	5,456	2,576	...	39.05	36.05	3	1,930.6	...	...	3.93	...	...	...
240	...	23	217	...	...	...	328.43	...	...	...	27.1	...	...	...
169	43	2	124	...	...	...	380.99	82.84	...	82.84	21.48	...	...	15.44
561	...	414	147	...	...	...	98.34	7.92	...	7.92	76.59	...	...	...
130	28	24	78	...	...	...	511.87	124.7	...	124.7	213.6	...	...	0.03
14	...	1	13	...	...	...	267.47	...	...	...	14.17	...	...	10.34
137	...	...	137	...	0.06	...	0.06	1,854.5	10.53	...	10.53	3.43	...	75.30
8,859	...	7,050	1,809	...	...	...	120.81	29.31	...	29.31	...	...	...	...
7,621	7	2,920	4,694	...	11	11	1,656.2	0.52	...	0.52	1.20	...	...	1.58
164	...	98	66	...	...	...	566.78	2.22	...	2.22	44.52	...	...	...
59	13	24	22	...	...	...	1,059.6	...	...	...	7.91	...	...	...
1,860	...	196	1,664	...	...	...	1,521.9	89.39	...	89.39	229.9	...	...	0.06
2,342	245	142	1,955	...	3	3	2,883.3	...	...	...	14.42	...	...	21.16
3,447	...	1,694	1,753	...	21	19	2	255	430	...	430	376.27	...	1.57	
4,082	...	1,082	3,000	...	30.9	25	5.9	656.15	274.4	...	274.4	95.78	...	...
13,381	...	10,376	3,005	...	3	3	...	483.47	37.19	...	37.19	86.54	...	1.02	
17,071	128	9,475	7,468	8	40.29	5	35.29	4,046.7	1,516.1	...	1,516.1	505.64	...	6.83	
1,555	...	1,126	429	...	1	1	...	90.6	20.19	...	20.19	118.44	...	33.24	
4,683	152	3,474	1,057	...	6.21	6.21	...	2,189.2	451	...	451	7.22	...	9.47	
17	...	7	10	...	...	...	...	287.6	...	...	...	161.24	...	0.18
182	3	4	175	...	...	...	...	1,753.6	...	...	...	45.53	...	...
7,574	...	4,980	2,594	...	15	...	15	51.24	...	...	...	...	...	...
1,730	...	700	1,030	...	7.02	1.50	5.52	327.5	...	...	...	12.12	...	0.29
1,261	...	67	1,194	...	858.15	858.15	...	1,239.1	...	...	...	...	...	1.31
10,180	...	395	9,785	5	3,094.5	2,723.4	371.19	15,228	1	...	1	0.01	...	19.47	

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.5 Thailand (Cont'd)

Scientific Name	FAO English Name	SEAFDEC Sub-areas	Purse Seine			Seine Net		
			All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Stolephorus</i> spp.	Stolephorus anchovies	57b	6,693	6,544	149	...	...	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	71a	36,099	36,070	29	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	57b	154	...	154	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	71a	453	24	429	...	...	...
<i>Euthynnus affinis</i>	Kawakawa	57b	25,694	...	25,694	...	...	...
<i>Euthynnus affinis</i>	Kawakawa	71a	11,105	112	10,993	...	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	57b	605	...	605	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	57b	3,415	...	3,415	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	71a	13,202	46	13,156	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	57b	451	...	451	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	71a	979	30	949	...	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	57b	21,033	...	21,033	...	...	...
<i>Decapterus</i> spp.	Scads <i>nei</i>	71a	12,831	217	12,614	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	57b	4,396	1	4,395	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	71a	17,359	450	16,909	...	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	57b	12,258	...	12,258	...	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	71a	12,133	593	11,540	...	...	...
<i>Parastromateus niger</i>	Black pomfret	57b	206	...	206	...	...	...
<i>Parastromateus niger</i>	Black pomfret	71a	4,468	53	4,415	...	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	57b	7,341	7	7,334	...	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	71a	6,938	241	6,697	...	...	...
<i>Scomberoides</i> spp.	Queenfishes <i>nei</i>	57b	...	...	...	...	...	...
<i>Scomberoides</i> spp.	Queenfishes <i>nei</i>	71a	...	...	...	...	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	57b	11,771	...	11,771	...	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	71a	19,623	1,240	18,383	...	...	...
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	57b	5,194	...	5,194	...	...	...
<i>Rastrelliger</i> spp.	Indian mackerels <i>nei</i>	71a	7,206	11	7,195	...	...	...
<i>Pampus</i> spp.	Silver pomfrets <i>nei</i>	57b	11	...	11	...	...	...
<i>Pampus</i> spp.	Silver pomfrets <i>nei</i>	71a	...	...	...	...	...	...
<i>Sphyaena</i> spp.	Barracudas <i>nei</i>	57b	1,961	...	1,961	...	...	...
<i>Sphyaena</i> spp.	Barracudas <i>nei</i>	71a	4,874	319	4,555	...	...	...
<i>Dasyatis</i> spp.	Stingrays <i>nei</i>	57b	...	...	...	...	...	...
<i>Dasyatis</i> spp.	Stingrays <i>nei</i>	71a	1	...	1	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
539	...	34	505	...	22,903	22,889	14	0.84	...	...	...	...	...	...	...
13,184	...	7	13,177	2,505	48,926.8	48,926.8	...	387.4	...	...	...	...	...	...	...
765	...	176	589	...	...	...	...	20.5	...	...	...	5.03	...	...	2.59
1,546	...	258	1,288	...	4	4	...	1,324.1	...	...	...	37.76	...	...	5.55
32	...	6	26	...	38	5	33	2.53	...	...	...	2.61	...	...	...
...	143	91	52	316	4	...	4	...	...	...	...
...
2	2	...	...	...	...	...	...	...	...	55.56	...	...	...
...	168	127	41	327	...	...	...	1.55	...	...	1
753	...	56	697	...	13	...	13	173	...	...	...	468.5	...	...	...
3,570	...	133	3,437	1	99.62	62.62	37	2079.8	4	...	4	1018.7	...	...	14.65
3,310	...	2,462	848	...	786	786	...	...	...	...	...	...	...	...	...
387	...	122	265	...	211	209	2	2	3	...	3	...	...	...	...
5,093	...	424	4,669	...	679.14	679.14	...	800.4	1	...	1	40.01	...	...	0.76
12,207	14	1,122	11,071	3	10090.8	10009.9	80.9	3869.9	4	...	4	100.81	...	...	...
2,699	...	1,226	1,473	...	67	67	...	6.62	...	...	...	3.85	...	...	...
2,154	...	430	1,724	...	605.04	592.04	13	608.39	2	...	2	10.95	...	...	...
124	...	22	102	...	...	...	...	...	...	...	...	...	...	...	...
1,574	...	82	1,492	571	28.1	5.1	23	427.8	1.19	...	1.19	...	...	...	1.08
2,350	...	556	1,794	...	288	275	13	1152.8	19.25	...	19.25	2983.4	...	...	5.8
1,136	...	309	827	...	510.66	464.67	45.99	2910.1	52	...	52	1,716	...	...	0.06
78	...	15	63	...	...	...	...	0.99	...	...	...	...	...	...	2.28
49	...	23	26	...	...	...	...	66.33	...	...	...	0.07	...	...	0.25
1,855	...	295	1,560	...	499.09	499.09	...	1124.8	...	...	...	...	...	...	4.43
2,048	...	131	1,917	...	541.04	538.04	3	7651.6	...	...	...	...	...	...	0.03
1,918	...	239	1,679	...	445.15	445.15	...	3771.4	8	...	8	...	...	...	...
2,399	...	138	2,261	...	28.41	28.41	...	5591.8	...	...	...	...	...	...	...
43	...	32	11	...	...	...	...	5.41	...	...	...	...	...	...	...
81	...	5	76	6	11	1	10	362.55	...	...	...	...	...	...	...
2,385	...	1,104	1,281	...	44.01	43.01	1	154.22	...	...	...	146.87	...	...	...
5,408	...	1,768	3,640	...	283.14	264.04	19.09	2179.6	1.08	...	1.08	345.1	...	...	0.06
274	...	218	56	...	...	...	...	109.98	3.82	...	3.82	2.48	...	...	...
772	287	406	79	...	...	...	...	580.67	...	...	...	30.76	...	...	2.05

3.4 Capture Production by Type of Fishing Gear and by Species, 2020

3.4.5 Thailand (Cont'd)

Scientific Name	FAO English Name	SEAFDEC Sub-areas	Purse Seine			Seine Net		
			All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
Congridae	Conger eels, etc. <i>nei</i>	57b	...	...	...	...	...	...
Congridae	Conger eels, etc. <i>nei</i>	71a	3	...	3	...	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	57b	1	...	1	...	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	71a	7	...	7	...	...	...
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	57b	...	...	...	...	...	...
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	71a	...	...	...	...	...	...
Osteichthyes	Marine fishes <i>nei</i>	57b	7,845	81	7,764	...	...	...
Osteichthyes	Marine fishes <i>nei</i>	71a	20,429	1,524	18,905	...	...	...
-	Trash fish	57b	47,799	209	47,590	...	...	...
-	Trash fish	71a	12,192	3,120	9,072	...	...	...
<i>Portunus</i> spp.	Blue swimming crabs <i>nei</i>	57b	...	...	...	...	...	...
<i>Portunus</i> spp.	Blue swimming crabs <i>nei</i>	71a	1	...	1	...	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	57b	...	...	...	...	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	71a	...	...	...	...	...	...
<i>Thenus orientalis</i>	Flathead lobster	57b	...	...	...	...	...	...
<i>Thenus orientalis</i>	Flathead lobster	71a	...	...	...	...	...	...
<i>Penaeus merguensis</i>	Banana prawn	57b	...	...	...	...	...	...
<i>Penaeus merguensis</i>	Banana prawn	71a	5	...	5	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	57b	...	...	...	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	71a	...	...	...	...	...	...
-	Other shrimps	57b	12	...	12	...	...	...
-	Other shrimps	71a	41	6	35	...	...	...
-	Mantis shrimp	57b	1	...	1	...	...	...
-	Mantis shrimp	71a	11	1	10	...	...	...
Sergestidae	Sergestid shrimps <i>nei</i>	57b	...	...	...	...	...	...
Sergestidae	Sergestid shrimps <i>nei</i>	71a	...	...	...	...	...	...
Brachyura	Marine crabs <i>nei</i>	57b	2	...	2	...	...	...
Brachyura	Marine crabs <i>nei</i>	71a	8	...	8	...	...	...
<i>Anadara granosa</i>	Blood cockle	57b	...	...	...	...	...	...
<i>Anadara granosa</i>	Blood cockle	71a	...	...	...	...	...	...
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	57b	...	...	...	...	...	...
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	71a	...	...	...	...	...	...

3.4 Capture Production by Type of Fishing Gear and by Species, 2020
3.4.5 Thailand (Cont'd)

Scientific Name	FAO English Name	SEAFDEC Sub-areas	Purse Seine			Seine Net		
			All purse seines	Anchovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Sepia</i> spp.	Cuttlefishes <i>nei</i>	57b	46	...	46	...	...	...
<i>Sepia</i> spp.	Cuttlefishes <i>nei</i>	71a	12	1	11	...	...	...
Loliginidae	Various squids <i>nei</i>	57b	54	...	54	...	...	...
Loliginidae	Various squids <i>nei</i>	71a	63	...	63	...	...	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	57b	6,876	...	6,876	...	...	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	71a	4,777	286	4,491	...	...	...
<i>Octopus</i> spp.	Octopuses <i>nei</i>	57b	2	...	2	...	...	...
<i>Octopus</i> spp.	Octopuses <i>nei</i>	71a	21	...	21	...	...	...
Pectinidae	Scallops <i>nei</i>	57b	...	...	...	...	...	...
Pectinidae	Scallops <i>nei</i>	71a	2	...	2	...	...	...
Mollusca	Marine molluscs <i>nei</i>	57b	...	...	...	...	...	...
Mollusca	Marine molluscs <i>nei</i>	71a	...	...	...	...	...	...
<i>Rhopilema</i> spp.	Jellyfishes <i>nei</i>	57b	...	...	...	...	...	...
<i>Rhopilema</i> spp.	Jellyfishes <i>nei</i>	71a	...	...	...	...	...	...
Invertebrata	Aquatic invertebrates <i>nei</i>	57b	95	...	95	...	...	...
Invertebrata	Aquatic invertebrates <i>nei</i>	71a	3	...	3	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Nets	Shell fish and seaweed collecting gears	Others
All trawls	Beam trawl	Otter board trawl	Pair trawl		All falling nets	Anchovy falling net	Squid falling net		All traps	Stationary trap	Portable trap				
3,646	...	2,378	1,268	...	51	...	51	92.41	389.2	...	389.2	10.29	...	...	0.23
7,586	1,174	4,564	1,848	...	452.89	5	447.89	641.4	361.2	...	361.2	41.64	...	...	55.42
305	...	58	247	...	23.04	0.01	23.03	0.77	970.5	...	970.5	45.45	...	...	...
2,555	...	166	2,389	...	672.83	4	668.83	5.27	524.6	...	524.6	418.62	...	...	12.93
10,599	...	4,697	5,902	...	2,555	49	2,506	1.67	29.15	...	29.15	55.96	...	...	10.65
24,057	...	5,681	18,376	9	21696.8	1,079.6	20617.2	147.28	1	...	1	...	...	...	136.29
2,635	...	2,290	345	...	...	...	...	3.48	55.95	...	55.95	6.25	...	...	...
1,154	63	637	454	...	383	...	383	83.56	3912.4	...	3912.4	911.1	...	...	488.4
8	...	8	...	...	...	...	...	0.98	...	...	...	...	...	...	...
2,172	101	1,817	254	...	...	...	...	...	...	...	...	...	...	...	9.43
...	...	...	...	...	...	...	...	32.11	119.2	...	119.2	...	...	...	5.73
75	4	70	1	...	...	...	...	280.8	0.61	...	0.61	...	...	...	1547.8
...	...	...	...	14792	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	31920	...	...	...	...	...	...	...	...	...	...	...
17	...	17	...	...	...	...	...	35.28	8.01	...	8.01	...	...	...	2.44
98	2	34	62	...	56.7	...	56.7	462.4	12	...	12	13.14	...	...	0.16

4. INLAND CAPTURE FISHERY STATISTICS

4.1 Inland Capture Fishery Production by Species and by Fishing Area, 2020

4.1.1 In Quantity

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Cyprinus carpio</i>	Common carp	04	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp(=White amur)	04	...	...
<i>Cyclocheilichthys apogon</i>	Beardless barb	04	...	...
<i>Hampala macrolepidota</i>	Hampala barb	04	...	...
<i>Labiobarbus festivus</i>	Singal carp	04	...	...
<i>Osteochilus hasselti</i>	Nilem carp	04	...	...
<i>Rasbora argyrotaenia</i>	Silver rasbora	04	...	...
<i>Thynnichthys vaillanti</i>	-	04	...	...
<i>Tor douronensis</i>	Semah mahseer	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Barbodes balleroides</i>	-	04	...	...
<i>Puntius binotatus</i>	Spotted barb	04	...	...
<i>Macrochirichthys macrochirus</i>	Long pectoral-fin minnow	04	...	...
<i>Mystacoleucus padangensis</i>	-	04	...	...
<i>Puntioplites waandersi</i>	-	04	...	...
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
Cyprinidae	Cyprinids <i>nei</i>	04	...	...
<i>Chromobotia macracanthus</i>	Clown loach	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	...	...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	04	...	...
<i>Chitala lopis</i>	Giant featherback	04	...	...
<i>Kryptopterus</i> spp.	Glass catfishes	04	...	...
<i>Ompok bimaculatus</i>	Butter catfish	04	...	...
<i>Mystus nigriceps</i>	-	04	...	...
<i>Hemibagrus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Pangasius djambal</i>	-	04	...	...
<i>Pangasius</i> spp.	Pangas catfishes <i>nei</i>	04	...	...
<i>Monopterus albus</i>	Lai	04	...	...
<i>Mastacembelus erythrotaenia</i>	Fire eel	04	...	...
<i>Toxotes microlepis</i>	Smallscale archerfish	04	...	...

							MT
Indonesia	Lao PDR ¹	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
13,248	-	1,998	...
595	-
439	-
2,846	-
930	-
13,971	-
13,140	-
3,548	-
904	-
6,145	-
1,153	-
5,769	-
44	-
849	-
938	-
1,979	-
18,940	-	20,969	...
883	11,157	...	...	14,523	-	...	...
10	-
21,798	-
57,861	-	17,280	...
...	40,455	-	...	...
4,555	-
18,926	-
9,260	-
8,580	-
18,376	-
25,586	-
...	-	3,499	...
...	-	681	...
242	-
2	-

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

4.1 Inland Capture Fishery Production by Species and by Fishing Area, 2020

4.1.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Anabas testudineus</i>	Climbing perch	04	...	...
<i>Clarias</i> spp.	Torpedo-shaped catfishes <i>nei</i>	04	...	...
<i>Anguilla</i> spp.	River eels <i>nei</i>	04	...	...
<i>Pristolepis fasciata</i>	Malayan leaffish	04	...	...
<i>Osphronemus goramy</i>	Giant gourami	04	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	04	...	...
<i>Trichogaster trichopterus</i>	Three spot gourami	04	...	...
<i>Helostoma temminckii</i>	Kissing gourami	04	...	...
<i>Channa striata</i>	Striped snakehead	04	...	...
<i>Channa micropeltes</i>	Indonesian snakehead	04	...	...
Gobiidae	Freshwater gobies <i>nei</i>	04	...	...
Osteichthyes	Freshwater fishes <i>nei</i>	04	...	409,625
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Scatophagus</i> spp.	Scats	04	...	...
Ariidae	Sea catfishes <i>nei</i>	04	...	...
Mugiidae	Mulletts <i>nei</i>	04	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	04	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	04	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	04	...	...
<i>Metapenaeus endeavouri</i>	Endeavour shrimp	04	...	...
Mollusca	Freshwater molluscs <i>nei</i>	04	...	...
Palaemonidae	Freshwater prawns <i>nei</i>	04	...	...
Crustacea	Freshwater crustaceans <i>nei</i>	04	...	535
Natantia	Natantia decapods <i>nei</i>	04	...	...
Bivalvia	Clams, etc, <i>nei</i>	04	...	...
<i>Rana</i> spp.	Frogs	04	...	...
Testudinata	River and lake turtles <i>nei</i>	04	...	...
-	Others	04	...	3,040

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR ¹	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
29,016	1,500	-	4,507	...
26,843	4,480	-	6,054	...
3,692	1,473	-	...	...
344	-
4,384	-
25,589	3,657	-	1,962	...
21,217	-
15,489	-
44,299	7,476	-	9,204	...
15,226	-
...	3,332	-	...	...
23,707	58,844	5,192	1,608,066	8,461	-	54,785	132,121
...	6,472	-	...	...
...	97	-	...	...
...	1,586	-	...	...
...	988	-	...	...
11,071	1,120	-	...	...
...	1,104	-	...	...
...	1,426	-	...	...
...	820	-	...	...
1,545	45,592	-	...	...
3,028	...	434	...	...	-	1,000	...
16,840	-	1,317	...
11	3,851.08	-	...	16,284
798	-
152	-
10	-
175	-	...	47,795

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

4.1 Inland Fishery Production by Species and by Fishing Area, 2020

4.1.2 In Value

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Cyprinus carpio</i>	Common carp	04	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp(=White amur)	04	...	...
<i>Cyclocheilichthys apogon</i>	Beardless barb	04	...	...
<i>Hampala macrolepidota</i>	Hampala barb	04	...	...
<i>Labiobarbus festivus</i>	Singal carp	04	...	...
<i>Osteochilus hasselti</i>	Nilem carp	04	...	...
<i>Rasbora argyrotaenio</i>	Silver rasbora	04	...	...
<i>Thynnichthys vaillanti</i>	-	04	...	...
<i>Tor douronensis</i>	Semah mahseer	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Barbodes balleroides</i>	-	04	...	...
<i>Puntius binotatus</i>	Spotted barb	04	...	...
<i>Macrochirichthys macrochirus</i>	Long pectoral-fin minnow	04	...	...
<i>Mystacoleucus padangensis</i>	-	04	...	...
<i>Puntioplites waandersi</i>	-	04	...	...
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
Cyprinidae	Cyprinids <i>nei</i>	04	...	...
<i>Chromobotia macracanthus</i>	Clown loach	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	...	...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	04	...	...
<i>Chitala lopis</i>	Giant featherback	04	...	...
<i>Kryptopterus</i> spp.	Glass catfishes	04	...	...
<i>Ompok bimaculatus</i>	Butter catfish	04	...	...
<i>Mystus nigriceps</i>	-	04	...	...
<i>Hemibagrus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Pangasius djambal</i>	-	04	...	...
<i>Pangasius</i> spp.	Pangas catfishes <i>nei</i>	04	...	...
<i>Monopterus albus</i>	Lai	04	...	...
<i>Mastacembelus erythrotaenia</i>	Fire eel	04	...	...
<i>Toxotes microlepis</i>	Smallscale archerfish	04	...	...
<i>Anabas testudineus</i>	Climbing perch	04	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
31,049	-	3,211	...
507	-
956	-
3,878	-
1,353	-
21,570	-
15,870	-
3,613	-
4,974	-
17,771	-
1,942	-
5,665	-
42	-
2,923	-
811	-
3,374	-
32,349	-	30,340	...
3,498	20,196	-	...	...
23	-
29,797	-
100,541	-	29,391	...
...	53,813	-	...	...
14,412	-
45,101	-
30,118	-
7,184	-
50,293	-
53,448	-
...	-	4,636	...
...	-	2,467	...
506	-
4	-
76,591	2,857	-	7,899	...

4.1 Inland Capture Fishery Production by Species and by Fishing Area, 2020
4.1.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Clarias</i> spp.	Torpedo-shaped catfishes <i>nei</i>	04	...	...
<i>Anguilla</i> spp.	River eels <i>nei</i>	04	...	...
<i>Pristolepis fasciata</i>	Malayan leaffish	04	...	...
<i>Osphronemus goramy</i>	Giant gourami	04	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	04	...	...
<i>Trichogaster trichopterus</i>	Three spot gourami	04	...	...
<i>Helostoma temminckii</i>	Kissing gourami	04	...	...
<i>Channa striata</i>	Striped snakehead	04	...	...
<i>Channa micropeltes</i>	Indonesian snakehead	04	...	...
Gobiidae	Freshwater gobies <i>nei</i>	04	...	...
Osteichthyes	Freshwater fishes <i>nei</i>	04	...	...
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Scatophagus</i> spp.	Scats	04	...	...
Ariidae	Sea catfishes <i>nei</i>	04	...	...
Mugilidae	Mulletts <i>nei</i>	04	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	04	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	04	...	...
<i>Scylla serrata</i>	Indo-Pacific swam crab	04	...	...
<i>Metapenaeus endeavouri</i>	Endeavour shrimp	04	...	...
Natantia	Natantian decapods <i>nei</i>	04	...	...
Mollusca	Freshwater molluscs <i>nei</i>	04	...	...
Palaemonidae	Freshwater prawns <i>nei</i>	04	...	...
Crustacea	Freshwater crustaceans <i>nei</i>	04	...	...
Bivalvia	Clams, etc, <i>nei</i>	04	...	...
<i>Rana</i> spp.	Frogs	04	...	...
Testudinata	River and lake turtle <i>nei</i>	04	...	...

US\$ 1,000

Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
53,966	8,518	-	12,807	...
10,263	4,261	-	...	...
450	-
10,456	-
43,930	4,209	-	3,240	...
28,264	-
23,645	-
119,626	16,115	-	27,202	...
34,807	-
...	7,860	-	...	...
44,381	...	19,792	2,492,502	11,120	-	94,400	...
...	12,597	-	...	...
...	344	-	...	...
...	954	-	...	...
...	2,101	-	...	...
59,722	4,028	-	...	...
...	3,256	-	...	...
...	9,520	-	...	...
...	3,670	-	...	...
35	12,219	-	...	...
483	5,584	-	...	...
7,297	...	5	...	...	-	11,241	...
65,869	-	4,103	...
751	-
286	-
362	-

4.2 Inland Fishery Production by Type of Water Bodies, 2020

4.2.1 In Quantity

MT

Water Bodies	Brunei Darussalam	Cambodia ¹	Indonesia	Lao PDR ¹
Total	...	413,200	494,950	70,001
Lakes	97,874	...
Rivers	264,036	...
Floodplain/rice fields	81,509	...
Reservoirs	46,763	...
Others	4,768	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

4.2.2 In Value

US\$ 1,000

Water Bodies	Brunei Darussalam	Cambodia	Indonesia	Lao PDR
Total	1,064,756	...
Lakes	183,209	...
Rivers	581,758	...
Floodplain/rice fields	188,256	...
Reservoirs	64,511	...
Others	47,022	...

MT

Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
5,626	1,608,066	148,415	-	123,256	196,200
1,031	-
3,198	-
926	-
382	-
90	-

US\$ 1,000

Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
19,797	2,492,502	183,221	-	230,937	...
2,860	-
14,494	-
1,327	-
815	-
301	-

5. AQUACULTURE STATISTICS

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.1 In Quantity

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Cyprinus carpio</i>	Common carp	04	...	5,100
<i>Labeo rohita</i>	Roho labeo	04	...	...
<i>Cirrhinus mrigala</i>	Mrigal carp	04	...	...
<i>Cirrhinus molitorella</i>	Mud carp	04	...	...
<i>Cirrhinus microlepis</i>	Small scale mud carp	04	...	...
<i>Catla catla</i>	Catla	04	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp(=White amur)	04	...	500
<i>Hypophthalmichthys molitrix</i>	Silver carp	04	...	500
<i>Hypophthalmichthys nobilis</i>	Bighead carp	04	...	190
<i>Tor tambroides</i>	Thai mahseer	04	...	...
<i>Osteochilus hasselti</i>	Nilem carp	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	8,000
<i>Barbonymus gonionotus</i>	Silver barb	04	...	66,000
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	04	...	...
<i>Probarbus jullieni</i>	Isok barb	04	...	...
<i>Hypsibarbus</i> spp.	-	04	...	...
Cyprinidae	Cyprinids <i>nei</i>	04	...	42,000
<i>Rohtee ogilbii</i>	Vatani rohtee	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	71	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	13	14,000
<i>Oreochromis niloticus</i>	Nile tilapia	71	...	...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	04	...	...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	57	-	-
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	71	3	...
<i>Piaractus brachypomus</i>	Pirapatinga	04	...	...
<i>Prochilodus lineatus</i>	Streaked prochilod	04	...	...
<i>Hemibagrus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Pangasianodon hypophthalmus</i>	Striped catfish	04	...	...
<i>Pangasius pangasius</i>	Pangas catfish	04	...	...
<i>Pangasius</i> spp.	Pangas catfishes <i>nei</i>	04	7	118,000
<i>Heteropneustes fossilis</i>	Stinging catfish	04	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR ¹	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
559,894	7,650	1,111	123,047	...	...	993	142,729
...	7,450	5,199	687,582	...	0.15	1,705	...
...	6,950	...	10,143	...	...	624	...
...	4,950	...	...	...	...	...	...
...	6,950	...	...	...	...	...	...
...	7,450	...	10,257	...	...	...	...
...	7,250	415	12,308	...	2.14	...	...
...	10,200	...	7,978	...	...	932	...
...	9,600	2,229	5,926	...	...	...	...
...	...	23	...	...	0.74	...	...
29,324	...	...	...	...	...	...	...
3,261	...	2,680	...	...	0.44	...	...
17,876	9,100	1,147	175,281	...	...	20,498	...
...	...	25	...	...	...	...	...
...	5,300	...	...	...	...	...	...
...	...	59	...	...	...	...	...
...	...	...	...	11,413	...	...	462,052
...	...	...	30.25	...	...	...	...
29,794	...	...	...	...	...	79	...
25,600	-	...	-	...	119.1	...	...
1,069,881	39,500	3,453	...	159,439	76.05	205,971	...
102,752	-	...	-	4,644	...	...	...
...	...	28,009	33,050	85,852	...	...	310,347
...	-	163	...	-	-	...	-
...	-	351	-	13,936	...	...	...
...	...	608	424	...	...	...	23,663
...	...	...	1,254	...	...	...	...
6,535	...	1,391	...	...	...	...	...
...	...	18,227	...	...	...	...	...
...	...	...	...	...	32.8	13,181	1,494,513
325,983	...	...	...	...	...	...	...
...	...	...	103	...	...	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Clarias batrachus</i>	Philippine catfish	04	...	...
<i>Clarias</i> spp.	Torpedo-shaped catfishes <i>nei</i>	04	...	9,500
<i>Scortum barcoo</i>	Barcoo grunter	04	...	...
<i>Monopterus albus</i>	Lai	04	...	100
<i>Oxyeleotris marmorata</i>	Marble goby	04	...	...
<i>Notopterus</i> spp.	Knifefishes	04	...	...
<i>Anabas testudineus</i>	Climbing perch	04	...	3,300
<i>Osphronemus goramy</i>	Giant gourami	04	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	04	...	25,000
<i>Trichogaster</i> spp.	Gouramis <i>nei</i>	04	...	...
<i>Helostoma temminckii</i>	Kissing gourami	04	...	...
<i>Channa striata</i>	Striped snakehead	04	...	87,000
<i>Channa micropeltes</i>	Indonesian snakehead	04	...	...
<i>Channa</i> spp.	Snakeheads(=Murrels) <i>nei</i>	04	...	...
<i>Clarias gariepinus</i> x <i>C. macrocephalus</i>	Africa-bighead catfish, hybrid	04	...	...
<i>Bidyanus bidyanus</i>	Silver perch	04	...	...
<i>Anguilla</i> spp.	River eels <i>nei</i>	04	...	667
<i>Anguilla</i> spp.	River eels <i>nei</i>	71	...	...
Osteichthyes	Freshwater fishes <i>nei</i>	04	19	...
Osteichthyes	Freshwater fishes <i>nei</i>	71	...	...
Acipenseridae	Sturgeons <i>nei</i>	04	...	...
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Chanos chanos</i>	Milkfish	57	-	-
<i>Chanos chanos</i>	Milkfish	71	11	...
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	57	-	-
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	71	125	1,000
<i>Lateolabrax japonicus</i>	Japanese seabass	71	...	...
<i>Mugil cephalus</i>	Flathead grey mullet	71	...	...
Mugilidae	Mulletts <i>nei</i>	71	...	...
<i>Epinephelus malabaricus</i>	Malabar grouper	71	...	...
<i>Epinephelus coioides</i>	Orange-spotted grouper	71	...	550
<i>Epinephelus fuscoguttatus</i>	Brown-marbled grouper	57	-	-
<i>Epinephelus fuscoguttatus</i>	Brown-marbled grouper	71	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR ¹	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	...	...	...	...	0.85	...	...
993,653	...	29,013	...	5,421	...	...	41,999
...	...	273	...	...	13.34	...	...
...
1,620	...	8	...	...	49.82	27	...
...	...	...	...	...	...	10	...
588	...	480	...	...	...	878	...
147,949	...	...	...	98	...	1,169	...
1,726	...	6	...	...	...	9,149	...
...	...	...	...	...	...	7	...
4,720	...	...	...	...	...	...	...
...	...	30	...	791	1.78	1,629	...
33,099	...	137	...	...	96.3	209	...
17,094	...	...	...	...	...	...	...
...	...	...	...	...	...	99,344	...
...	...	...	...	...	63	...	...
...
116	-	...	-	...	...	...	...
76,637	7,560	2,427	...	257	...	13,089	422,638
3,051	-	...	-	...	...	...	282,785
...	...	...	...	...	...	...	2,411
69,797	...	3.1	...	21,644	...	...	...
...	-	2,659	...	-	-	...	-
742,060	-	595	-	392,845	1,358.27	...	...
...	-	20,514	171	-	-	631	-
2,249	-	2,520	-	...	830.91	44,784	...
...	-	...	-	...	1.33	...	...
...	-	...	-	...	596.33	...	...
7,865	-	...	-	...	...	...	...
...	-	...	-	...	62.73	...	...
...	-	...	-	...	2.09	...	...
...	-	19.52	...	-	-	...	-
...	-	5.59	-	...	2.21	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Epinephelus lanceolatus</i>	Giant grouper	71	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	57	-	-
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	71	53	...
<i>Plectropomus maculatus</i>	Spotted coralgroupers	71	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	57	-	-
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	71	...	...
<i>Lutjanus johnii</i>	John's snapper	57	-	-
<i>Lutjanus johnii</i>	John's snapper	71	...	...
<i>Lutjanus erythropterus</i>	Crimson snapper	71	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	57	-	-
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	71	14	550
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	57	-	-
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	71	...	...
<i>Siganus canaliculatus</i>	White-spotted spinefoot	71	...	...
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	71	...	...
Serranidae	Groupers, seabasses <i>nei</i>	71	...	...
<i>Caranx ignobilis</i>	Giant travally	71	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	71	9	...
<i>Trachinotus blochii</i>	Snubnose pompano	57	-	-
<i>Trachinotus blochii</i>	Snubnose pompano	71	197	...
<i>Pomadasys argenteus</i>	Silver Grunt	71	...	...
<i>Rachycentron canadum</i>	Cobia	71	...	...
<i>Gnathanodon speciosus</i>	Golden trevally	71	...	...
<i>Acanthopagrus latus</i>	Yellowfin seabream	71	...	...
Osteichthyes	Marine fishes <i>nei</i>	57	-	-
Osteichthyes	Marine fishes <i>nei</i>	71	...	300
<i>Macrobrachium rosenbergii</i>	Giant river prawn	04	1	240
<i>Cherax destructor</i>	Yabby crayfish	04	...	...
<i>Cherax quadricarinatus</i>	Red claw crayfish	04	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	71	...	...
<i>Portunus</i> spp.	Portunus swimcrabs <i>nei</i>	71	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	57	-	-
<i>Scylla serrata</i>	Indo-Pacific swamp crab	71	1	120

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	...	-	...	3.69	...	...
...	-	2,783	...	-	-	791	-
9,478	-	945	-	...	207.21	448	...
...	-	10.05	...	...
...	-	6,321	...	-	-	...	-
...	-	935	-	...	8	...	...
...	-	6,538	...	-	-	...	...
...	-	321	-	...	51.65	...	...
...	-	...	-	...	133.34	...	...
...	-	3	...	-	-	...	-
...	-	7	-	5	...	...	...
...	-	46	...	-	-	...	-
...	-	111	-	...	64.74	...	...
...	-	...	-	...	6	...	...
...	-	...	-	197	...	...	...
...	-	...	-	27	...	...	...
...	-	...	-	...	4.25	...	...
...	-	...	-	1	...	...	...
...	-	2,689	...	-	-	...	-
...	-	224	-	22	133.52	...	...
...	-	...	-	...	12.19	...	...
...	-	...	-	4,430
...	-	...	-	...	5.95	...	...
...	-	...	-	...	7.75	...	...
...	-	3,674	...	-	-	...	-
8,164	-	172	-	400	1.27	4	18,728
877	...	193	10,929	1	1.54	32,460	20,271
...	-	0.59	...	...
0.03	-	64	...	...	...	...	...
...	-	...	-	...	30.22	...	...
17	-	...	-
...	-	61	...	-	-	...	...
10,767	-	149	-	20,766	18.87	...	216,877

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Scylla olivacea</i>	Orange mud crab	57	-	-
<i>Penaeus merguensis</i>	Banana prawn	71	...	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	57	-	-
<i>Penaeus vannamei</i>	Whiteleg shrimp	71	2,785	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	-	-
<i>Penaeus monodon</i>	Giant tiger prawn	71	119	...
<i>Penaeus stylirostris</i>	Blue shrimp	71	142	...
<i>Penaeus</i> spp.	<i>Penaeus</i> shrimps <i>nei</i>	57	-	-
<i>Penaeus</i> spp.	<i>Penaeus</i> shrimps <i>nei</i>	71	...	1,600
<i>Metapenaeus</i> spp.	<i>Metapenaeus</i> shrimps <i>nei</i>	71	...	...
<i>Panulirus polyphagus</i>	Mud spiny lobster	71	...	...
<i>Panulirus</i> spp.	Tropical spiny lusters <i>nei</i>	71	...	...
<i>Crassostrea gigas</i>	Pacific cupped oyster	71	...	...
<i>Crassostrea iredalei</i>	Slipper cupped oyster	71	...	...
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	57	-	-
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	71	...	...
<i>Perna viridis</i>	Green mussel	57	-	-
<i>Perna viridis</i>	Green mussel	71	...	6,300
<i>Anadara granosa</i>	Blood cockle	57	-	-
<i>Anadara granosa</i>	Blood cockle	71	...	9,200
Mollusca	Freshwater molluscs <i>nei</i>	04	...	...
Mollusca	Marine molluscs <i>nei</i>	71	...	...
<i>Polymesoda expansa</i>	Broad geloina	71	...	...
<i>Rana catesbeiana</i>	American bull frog	04	...	...
<i>Rana</i> spp.	Frogs	04	...	250
<i>Hoplobatrachus rugulosus</i>	East Asian bullfrog	04	...	...
<i>Trionyx sinensis</i>	Chinese softshell turtle	04	...	...
Testudinata	River and lake turtles <i>nei</i>	04	...	...
<i>Holothuria scabra</i>	Sandfish	71	...	...
Holothuroidea	Sea cucumbers <i>nei</i>	71	...	...
<i>Eucheuma denticulatum</i>	Spiny <i>Eucheuma</i>	71	...	...
<i>Eucheuma</i> spp.	<i>Eucheuma</i> seaweeds <i>nei</i>	71	...	1,000
<i>Gracilaria</i> spp.	<i>Gracilaria</i> seaweeds	71	...	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

							MT
Indonesia	Lao PDR ¹	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	-	...	2,745	-	-	...	...
1,385	-	...	-	1,018	...	93	...
...	-	7,925	...	-	-	63,650	...
696,570	-	27,223	-	20,633	6.33	309,983	616,080
...	-	9,273	59,650	-	-	8,927	-
133,237	-	4,252	...	42,093	5.04	5,816	263,140
...	-	...	-
...	-	...	...	-	-	47	-
...	-	...	-	...	64.51	76	...
49,530	-	...	-	408	...	...	50,769
...	-	...	-	...	31.34	...	...
207	-	5	-	4	...	...	2,479
...	-	...	-	...	1.52	...	...
...	-	...	-	53,032	...	...	...
...	-	2	...	-	-	1,147	-
...	-	134	-	...	...	14,600	...
...	-	358	...	-	-	610	-
23,327	-	1,005	-	19,229	369	68,719	...
...	-	18,357	...	-	-	3	-
10,913	-	317	-	...	...	33,922	...
...	...	...	...	...	...	...	2,208
8,070	-	...	-	...	...	...	335,801
...	-	18	-	...	...	...	...
...	...	...	...	...	333.35	...	...
...	110	...	...	...	...	...	9,427
...	...	...	...	...	...	3,512	...
...	...	...	...	...	...	190	...
...	...	...	...	...	...	...	1,976
...	-	72	-	...	...	...	...
261	-	...	-	...	...	...	...
...	-	...	-	63,073	...	...	...
8,080,796	-	...	-	...	...	...	...
...	-	...	-

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

5.1 Aquaculture Production by Species and by Fishing Area, 2020
5.1.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia ¹
<i>Caulerpa sertularioides</i>	Green sea feather	71	...	...
<i>Caulerpa</i> spp.	<i>Caulerpa</i> seaweeds	71	...	...
<i>Kappaphycus alvarezii</i>	Elkhorn sea moss	71	...	...
<i>Sargassum muticum</i>	Japanese sargasso weed	71	...	...
Chlorophyceae	Green seaweeds	71	...	...
-	Others	04	...	100
-	Others	71	1.45	...

Note: 1 Figures from FAO Fisheries and Aquaculture Information and Statistics Services

MT

Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
232	-	...	-
...	-	...	-	789	...	...	...
...	-	182,061	-	1,404,743	...	...	933
80,662	-	...	-
...	-	...	-	952
...
...	-	...	-

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.2 In Value

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam ¹	Cambodia
<i>Cyprinus carpio</i>	Common carp	04	...	...
<i>Labeo rohita</i>	Roho labeo	04	...	...
<i>Cirrhinus mrigala</i>	Mrigal carp	04	...	...
<i>Catla catla</i>	Catla	04	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp(=White amur)	04	...	...
<i>Hypophthalmichthys molitrix</i>	Silver carp	04	...	...
<i>Hypophthalmichthys nobilis</i>	Bighead carp	04	...	...
<i>Tor tambroides</i>	Thai mahseer	04	...	...
<i>Osteochilus hasselti</i>	Nilem carp	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	04	...	...
<i>Hypsibarbus</i> spp.	-	04	...	...
<i>Rohtee ogilbii</i>	Vatani rohtee	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	71	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	59	...
<i>Oreochromis niloticus</i>	Nile tilapia	71	...	...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	04	...	...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	57	-	-
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	71	16	...
<i>Piaractus brachypomus</i>	Pirapatinga	04	...	...
<i>Prochilodus lineatus</i>	Streaked prochilod	04	...	...
<i>Hemibagrus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Pangasianodon hypophthalmus</i>	Striped catfish	04	...	...
<i>Pangasius</i> spp.	Pangas catfishes <i>nei</i>	04	53	...
<i>Heteropneustes fossilis</i>	Stinging catfish	04	...	...
<i>Clarias batrachus</i>	Philippine catfish	04	...	...
<i>Clarias</i> spp.	Torpedo-shaped catfishes <i>nei</i>	04	...	...
<i>Scortum barcoo</i>	Barcoo grunter	04	...	...
<i>Oxyeleotris marmorata</i>	Marble goby	04	...	...
<i>Notopterus</i> spp.	Knifefishes	04	...	...

Note: 1 Figures are based on the exchange rate used in the ASEAN Statistics Database

US\$ 1,000

Indonesia	Lao PDR	Malaysia ¹	Myanmar	Philippines ¹	Singapore ¹	Thailand ¹	Viet Nam
1,037,227	...	2,645	147,657	4,295	...	1,563	...
...	...	9,931	893,857	...	2	1,595	...
...	24,343	...	...	886	...
...	13,334	...	...	...	...
...	...	1,080	14,770	...	18	...	...
...	7,978	...	...	1,178	...
...	...	4,263	5,926	...	...	...	...
...	...	1,326	...	...	62	...	...
51,585
8,059	...	17,154	...	...	3	...	...
16,987	...	3,073	175,281	...	...	28,714	...
...	...	68	...	...	...	...	...
...	...	408	...	...	...	...	...
...	82	...	...	...	...
28,952	194	...
28,917	-	...	-	...	290	...	...
1,776,547	...	8,141	...	285,776	272	322,953	...
118,260	-	...	-	8,996	...	...	...
...	...	75,187	29,745	155,860	...	...	...
...	-	412	...	-	-	...	-
...	-	978	-	24,091	...	...	...
...	...	1,168	466	...	...	...	...
...	752	...	...	...	...
15,807	...	5,538	...	...	...	...	...
...	274	11,368	...
402,729	...	36,921	...	...	...	...	...
...	380	...	...	...	...
...	2	...	...
1,184,441	...	39,654	...	11,987	...	...	...
...	...	2,004	...	...	111	...	...
3,848	...	117	...	...	1,047	94	...
...	33	...

Note: 1 Figures are based on the exchange rate used in the ASEAN Statistics Database

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam ¹	Cambodia
<i>Anabas testudineus</i>	Climbing perch	04	...	...
<i>Osphronemus goramy</i>	Giant gourami	04	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	04	...	...
<i>Trichogaster</i> spp.	Gouramis <i>nei</i>	04	...	...
<i>Helostoma temminckii</i>	Kissing gourami	04	...	...
<i>Channa striata</i>	Striped snakehead	04	...	...
<i>Channa micropeltes</i>	Indonesian snakehead	04	...	...
<i>Channa</i> spp.	Snakeheads(=Murrels) <i>nei</i>	04	...	...
<i>Clarias gariepinus</i> x <i>C. macrocephalus</i>	Africa-bighead catfish, hybrid	04	...	...
<i>Bidyanus bidyanus</i>	Silver perch	04	...	...
<i>Anguilla</i> spp.	River eels <i>nei</i>	04	...	...
<i>Anguilla</i> spp.	River eels <i>nei</i>	71	...	...
Osteichthyes	Freshwater fishes <i>nei</i>	04	116	...
Osteichthyes	Freshwater fishes <i>nei</i>	71	...	...
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Chanos chanos</i>	Milkfish	57	-	-
<i>Chanos chanos</i>	Milkfish	71	59	...
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	57	-	-
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	71	936	...
<i>Lateolabrax japonicus</i>	Japanese seabass	71	...	...
<i>Mugil cephalus</i>	Flathead grey mullet	71	...	...
Mugilidae	Mulletts <i>nei</i>	71	...	...
<i>Epinephelus malabaricus</i>	Malabar grouper	71	...	...
<i>Epinephelus coioides</i>	Orange-spotted grouper	71	...	...
<i>Epinephelus fuscoguttatus</i>	Brown-marbled grouper	57	-	-
<i>Epinephelus fuscoguttatus</i>	Brown-marbled grouper	71	...	...
<i>Epinephelus lanceolatus</i>	Giant grouper	71	...	...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	57	-	-
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	71	558	...
<i>Plectropomus maculatus</i>	Spotted coral grouper	71	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	57	-	-
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	71	...	...

Note: 1 Figures are based on the exchange rate used in the ASEAN Statistics Database

US\$ 1,000

Indonesia	Lao PDR	Malaysia ¹	Myanmar	Philippines ¹	Singapore ¹	Thailand ¹	Viet Nam
1,808	...	1,377	...	...	...	2,324	...
347,988	87	...	2,551	...
1,991	...	15	...	...	...	17,181	...
...	12	...
9,312
...	...	102	...	1,711	13	3,720	...
79,118	...	415	...	...	401	535	...
46,503
...	145,577	...
...	951	...	...
4,172
1,300	-	...	-
90,321	...	12,733	...	956	...	17,855	...
4,713	-	...	-
73,019	...	6	...	43,892	...	...	...
...	-	4,985	...	-	-	...	-
961,235	-	1,116	-	857,961	2,461	...	...
...	-	82,919	615	-	-	2,797	-
9,531	-	10,667	-	...	7,479	142,943	...
...	-	...	-	...	9	...	...
...	-	...	-	...	1,837	...	...
10,159	-	...	-
...	-	...	-	...	894	...	...
...	-	...	-	...	64	...	...
...	-	157	-	-	-	...	-
...	-	78	-	...	38	...	...
...	-	...	-	...	69	...	...
...	-	34,883	...	-	-	5,165	-
74,016	-	11,397	-	...	2,626	2,166	...
...	-	...	-	...	276	...	...
...	-	42,148	...	-	-	...	-
...	-	6,469	-	...	53	...	...

Note: 1 Figures are based on the exchange rate used in the ASEAN Statistics Database

5.1 Aquaculture Production by Species and by Fishing Area, 2020

5.1.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam ¹	Cambodia
<i>Lutjanus johnii</i>	John's snapper	57	-	-
<i>Lutjanus johnii</i>	John's snapper	71	...	...
<i>Lutjanus erythropterus</i>	Crimson snapper	71	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	57	-	-
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	71	149	...
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	57	-	-
<i>Eleutheronema tetradactylum</i>	Fourfinger threadfin	71	...	...
<i>Siganus canaliculatus</i>	White-spotted spinefoot	71	...	...
<i>Siganus</i> spp.	Spinefeet(=Rabbitfishes) <i>nei</i>	71	...	...
Serranidae	Groupers, seabasses <i>nei</i>	71	...	...
<i>Caranx ignobilis</i>	Giant travally	71	...	...
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	71	68	...
<i>Trachinotus blochii</i>	Snubnose pompano	57	-	-
<i>Trachinotus blochii</i>	Snubnose pompano	71	1,473	...
<i>Pomadasys argenteus</i>	Silver Grunt	71	...	...
<i>Gnathanodon speciosus</i>	Golden trevally	71	...	...
<i>Acanthopagrus latus</i>	Yellowfin seabream	71	...	...
Osteichthyes	Marine fishes <i>nei</i>	57	-	-
Osteichthyes	Marine fishes <i>nei</i>	71	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	04	11	...
<i>Cherax destructor</i>	Yabby crayfish	04	...	...
<i>Cherax quadricarinatus</i>	Red claw crayfish	04	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	71	...	...
<i>Portunus</i> spp.	Portunus swimcrabs <i>nei</i>	71	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	57	-	-
<i>Scylla serrata</i>	Indo-Pacific swamp crab	71	16	...
<i>Scylla olivacea</i>	Orange mud crab	57	-	-
<i>Penaeus merguensis</i>	Banana prawn	71	...	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	57	-	-
<i>Penaeus vannamei</i>	Whiteleg shrimp	71	20,855	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	-	-
<i>Penaeus monodon</i>	Giant tiger prawn	71	1,158	...

Note: 1 Figures are based on the exchange rate used in the ASEAN Statistics Database

US\$ 1,000							
Indonesia	Lao PDR	Malaysia ¹	Myanmar	Philippines ¹	Singapore ¹	Thailand ¹	Viet Nam
...	-	38,219	...	-	-	...	-
...	-	2,078	-	...	...	449	...
...	-	...	-	1,030	-
...	-	22	...	-	-	...	-
...	-	35	-	...	31	...	...
...	-	235	...	-	-	...	-
...	-	843	-	...	509	...	...
...	-	...	-	...	10	...	...
...	-	...	-	1,361	...	...	...
...	-	...	-	255	...	...	...
...	-	...	-	...	34	...	...
...	-	...	-	6	...	...	...
...	-	12,237	...	-	-	...	-
...	-	1,246	-	112	728	...	...
...	-	...	-	...	81	...	...
...	-	...	-	...	50	...	...
...	-	...	-	...	54	...	...
...	-	16,059	...	-	-	...	-
27,666	-	946	-	...	3	15	...
3,944	...	2,564	87,431	5	25	219,960	...
...	10	...	...
0.2	...	1,342	...	...	...	...	...
...	-	...	-	...	286	...	...
59	-	...	-
...	-	460	...	-	-	...	-
47,229	-	1,089	-	185,176	410	...	...
...	-	...	30,195	-	-	...	-
3,180	-	...	-	5,995	...	717	...
...	-	42,546	...	-	-	312,864	-
2,887,359	-	155,920	-	108,263	84	1,454,054	...
...	-	62,691	447,374	-	-	60,184	-
726,032	-	33,581	-	425,100	77	44,206	...

Note: ¹ Figures are based on the exchange rate used in the ASEAN Statistics Database

5.1 Aquaculture Production by Species and by Fishing Area, 2020
5.1.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam ¹	Cambodia
<i>Penaeus stylirostris</i>	Blue shrimp	71	958	...
<i>Penaeus</i> spp.	Penaeus shrimps <i>nei</i>	71	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps <i>nei</i>	71	...	...
<i>Panulirus polyphagus</i>	Mud spiny lobster	71	...	...
<i>Panulirus</i> spp.	Tropical spiny losters <i>nei</i>	71	...	...
<i>Crassostrea iredalei</i>	Slipper cupped oyster	71	...	...
<i>Crassostrea gigas</i>	Pacific cupped oyster	71	...	...
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	57	-	-
<i>Crassostrea</i> spp.	Cupped oysters <i>nei</i>	71	...	...
<i>Perna viridis</i>	Green mussel	57	-	-
<i>Perna viridis</i>	Green mussel	71	...	...
<i>Anadara granosa</i>	Blood cockle	57	-	-
<i>Anadara granosa</i>	Blood cockle	71	...	...
Mollusca	Marine molluscs <i>nei</i>	71	...	...
<i>Polymesoda expansa</i>	Broad geloina	71	...	...
<i>Rana catesbeiana</i>	American bull frog	04	...	...
<i>Hoplobatrachus rugulosus</i>	East Asian bullfrog	04	...	...
<i>Trionyx simensis</i>	Soft-shell turtle	04	...	...
<i>Holothuria scabra</i>	Sandfish	71	...	...
Holothuroidea	Sea cucumbers <i>nei</i>	71	...	...
<i>Eucheuma denticulatum</i>	Spiny <i>Eucheuma</i>	71	...	...
<i>Eucheuma</i> spp.	<i>Eucheuma</i> seaweeds <i>nei</i>	71	...	...
<i>Gracilaria</i> spp.	<i>Gracilaria</i> seaweeds	71	...	...
<i>Caulerpa sertularioides</i>	Green sea feather	71	...	...
<i>Caulerpa</i> spp.	<i>Caulerpa</i> seaweeds	71	...	...
<i>Kappaphycus alvarezii</i>	Elkhorn sea moss	71	...	...
<i>Sargassum muticum</i>	Japanese sargasso weed	71	...	...

Note: 1 Figures are based on the exchange rate used in the ASEAN Statistics Database

US\$ 1,000							
Indonesia	Lao PDR	Malaysia ¹	Myanmar	Philippines ¹	Singapore ¹	Thailand ¹	Viet Nam
...	-	...	-
...	-	...	-	...	784	102	...
128,195	-	...	-	2,079	...	238	...
...	-	...	-	...	1,256	...	...
3,357	-	116	-	115	...	...	...
...	-	...	-	22,349	...	...	...
...	-	...	-	...	30	...	...
...	-	6	...	-	-	2,745	-
...	-	239	-	...	...	10,641	...
...	-	572	...	-	-	862	-
7,833	-	1,526	-	8,905	560	19,806	...
...	-	31,456	...	-	-	12	-
10,904	-	542	-	...	...	104,208	...
10,813	-	...	-
...	-	18	-	...	...	...	...
...	2,089	...	...
...	7,514	...
...	891	...
...	-	574	-	...	...	...	...
3,061	-	...	-
...	-	...	-	8,323	...	...	...
1,632,570	-	...	-
116,712	-	...	-	8	...	...	...
108	-	...	-
...	-	...	-	532	...	...	...
...	-	...	-	211,805	...	...	...
26,716	-	...	-

Note: ¹ Figures are based on the exchange rate used in the ASEAN Statistics Database

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.1 In Quantity

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Akysis prashadi</i>	Indawgyi stream catfish	...	...	...
<i>Abudefduf sexfasciatus</i>	Scissortail sergeant	...	...	15
<i>Acanthocobitis botia</i>	Mottled loach	...	...	...
<i>Aequidens pulcher</i>	Blue acara	...	...	2,454
<i>Ameiurus catus</i>	White catfish	...	...	623
<i>Amphilophus labiatus</i>	Red devil	...	...	1,654
<i>Amphilophus trimaculatus</i>	Flowerhorn	...	...	17,340
<i>Amphiprion ocellaris</i>	Clown anemonefish	...	...	378
<i>Anampses caeruleopunctatus</i>	Bluespotted wrasse	...	...	2
<i>Aplocheilichthys panchax</i>	Blue panchax	...	...	5
<i>Apteronotus maculatus</i>	Apteronotus maculate	...	...	13,831
<i>Astronotus ocellatus</i>	Oscar	...	...	2,735
<i>Barbus pentazona</i>	Five banded barb	...	...	3,397
<i>Badis badis</i>	Badis	...	...	...
<i>Badis ruber</i>	Red chameleon fish	...	...	...
<i>Barilius bakeri</i>	-	...	...	...
<i>Barbodes gonionotus</i>	Java barb	...	...	15
<i>Barbodes schwanenfeldii</i>	Tinfoil barb	...	...	329
<i>Betta splendens</i>	Siamese fighter fish	...	...	198,771
<i>Botia histrionica</i>	Golden zebra loach	...	...	...
<i>Botia kubotai</i>	-	...	...	...
<i>Brachydanio rerio</i>	Zebra danio	...	...	542
<i>Carassius auratus</i>	Goldfish	85	...	291,023
<i>Cambarellus diminutus</i>	Blue Mexican crayfish	...	...	56,832
<i>Cambarellus patzcuarensis</i>	Mexican dwarf crayfish	...	...	1,766
<i>Cichlasoma spilurum</i>	Blue-eye cichlid	...	...	293
<i>Cichlasoma godmanni</i>	Southern checkmark cichlid	...	...	817
<i>Cepaea hortensi</i>	White-lipped snail	...	...	...
<i>Celestichthys margaritatus</i>	Galaxy	...	...	...
<i>Channa harcourtbutleri</i>	Burmese snakehead	...	...	...
<i>Channa pulchra</i>	-	...	...	...
<i>Channa panaw</i>	-	...	...	...
<i>Chitala lopis</i>	Giant featherback	...	...	5
<i>Chromobotia macracanthus</i>	Clown loach	...	...	4,715

							1,000 pcs.
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	
...	...	1,000	...	...	...	...
...	
...	...	2,625	...	...	...	...
...	
...	
...	
...	
...	
...	
...	
...	
...	
...	...	7,250	...	...	...	...
...	...	3,000	...	...	...	...
...	...	2,950	...	...	...	...
...	
...	
...	
...	...	680	...	...	...	...
...	...	28,300	...	...	...	...
...	
...	
...	
...	
...	...	14,800	...	...	...	...
...	...	800	...	...	...	...
...	...	1,640	...	...	...	...
...	...	17,600	...	...	...	...
...	...	120	...	...	...	...
...	
...	

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Chrysiptera cyanea</i>	Sapphire devil	...	...	60
<i>Corydoras aeneus</i>	Bronze corydoras	...	...	19,735
<i>Ctenopoma acutirostre</i>	Leopard bush fish	...	...	5,774
<i>Cyphotilapia frontosa</i>	Humphead cichlid	...	...	4,987
<i>Cyprinus carpio</i>	common carp	...	...	475,973
<i>Cyprinus rubrofuscus</i>	-	1,079	...	...
<i>Danio albolineatus</i>	Pearl danio	...	...	...
<i>Danio choprae</i>	-	...	...	...
<i>Danio erythromicron</i>	-	...	...	...
<i>Danio kyathit</i>	-	...	...	...
<i>Danio margaritatus</i>	Galaxy rasbora	...	...	...
<i>Danio feegradei</i>	-	...	...	...
<i>Danio hysginon</i>	-	...	...	...
<i>Danio nigrofasciatus</i>	Spotted danio	...	...	...
<i>Danio tincoini</i>	Leopard danio	...	...	...
<i>Datnioides microlepis</i>	Indonesian tigerfish	...	...	8,180
<i>Devario auropurpureus</i>	-	...	...	...
<i>Devario browni</i>	-	...	...	...
<i>Devario sondhii</i>	-	...	...	...
<i>Distichodus notospilus</i>	Red-finned distichodus	...	...	16,411
<i>Erethistes hara</i>	Indian moth catfish	...	...	...
<i>Garra rufa</i>	Red garra	...	...	118
<i>Garra flavatra</i>	-	...	...	...
<i>Gagata cenia</i>	Rainbow catfish	...	...	...
<i>Glossogobius giuris</i>	Goby	...	...	...
<i>Hemigrammus bleheri</i>	Brilliant rummy nose tetra	...	...	11
<i>Hypostomus plecostomus</i>	Suckermouth catfish	...	...	530
<i>Hyporhamphus quoyi</i>	Quoys halfbeak	...	...	4
<i>Hyphessobrycon anisitsi</i>	Buenos aires tetra	...	...	6,108
<i>Macrogathus zebrinus</i>	Zebra spiny eel	...	...	...
<i>Macrogathus spp.</i>	Spiny eel	...	...	...
<i>Megalomphodus sweglesi</i>	Paradise fish	...	...	2,199
<i>Melanochromis auratus</i>	Auratus cichlid	...	...	640
<i>Melanotaenia papuae</i>	Papuan rainbowfish	...	...	736
<i>Metynniss hypsauchen</i>	Silver dollar	...	...	7,243

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Microrasbora rubescens</i>	-	...	...	...
<i>Moemkhausia pitteri</i>	Diamond tetra	...	...	6,397
<i>Monotrea ta cutcutia</i>	Green puffer	...	...	...
<i>Neocaridina davidi</i>	Cherry shrimp	...	...	8,964
<i>Neolamprologus lalleupi</i>	Lemon cichlid	...	...	3,357
<i>Nematobrycon palmeri</i>	Emperor tetra	...	...	14
<i>Oreochromis niloticus</i>	Nile tilapia	17,660	...	...
<i>Osteoglossum bicirrhosum</i>	Silver arowana	...	...	250
<i>Ostorhinchus chrysotaenia</i>	Yellowlined cardinal fish	...	...	24
<i>Paracheirodon innesi</i>	Neon tetra	...	...	58,227
<i>Paracheirodon axelrodi</i>	Cardinal tetra	...	...	27,915
<i>Parambassis</i> spp.	-	...	...	...
<i>Parasphaerichthys ocellatus</i>	-	...	...	...
<i>Pethia conchonius</i>	Rosy barb	...	...	14,958
<i>Pethia erythromycter</i>	Lipstick barb	...	...	...
<i>Phenacogrammus interruptus</i>	Congo tetra	...	...	1,453
<i>Poecilia reticulata</i>	Guppy	750	...	40,882
<i>Poecilia sphenops</i>	Molly	703	...	34,057
<i>Poecilia</i> spp.	-	...	...	29,569
<i>Pomacanthus xanthometopon</i>		...	...	0.345
<i>Pterapogon kauderni</i>	Banggai cardinal fish	...	...	2
<i>Pterophyllum</i> spp.	-	90	...	...
<i>Puntigrus tetrazona</i>	Tiger barb	...	...	49
<i>Puntius binotatus</i>	Spotted barb	...	...	5
<i>Puntius</i> spp.	Asian barbs <i>nei</i>	...	...	...
<i>Pterophyllum scalare</i>	Freshwater angelfish	...	...	58,985
<i>Rasbora argyrotaenia</i>	Silver rasbora	...	...	3
<i>Sawbwa resplendens</i>	Sawbwa barb	...	...	...
<i>Schistura balteata</i>	-	...	...	...
<i>Scleropages formosus</i>	Asian bonytongue	...	...	1,868
<i>Synchiropus splendidus</i>	Mandarinfish	...	...	10
<i>Symphysodon discus</i>	Red discus	...	...	11,678
<i>Toxotes microlepis</i>	Smallscale archerfish	...	...	...

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Thalassoma janseni</i>	Jansens wrasse	...	...	2
<i>Thorichthys meeki</i>	Fire mouth cichlid	...	...	932
<i>Trichogaster chuna</i>	Honey gourami	...	...	525
<i>Trichogaster lalius</i>	Dwarf gourami	...	...	73
<i>Trigonostigma heteromorpha</i>	Harlequin rasbora	...	...	6,497
<i>Trichopodus pectoralis</i>	Snakeskin gourami	...	...	780
<i>Xiphophorus helleri</i>	Green swordtail	...	...	2,773
<i>Xiphophorus maculatus</i>	Southern platyfish	...	...	26,526
<i>Xiphophorus variatus</i>	Variable platyfish	...	...	3,808
<i>Xiphophorus xiphidium</i>	Swordtail platyfish	...	...	11,365
<i>Xiphophorus</i> spp.	Platy	20	...	...
<i>Yunnanilus brevis</i>	-	...	...	...
Anabantids	-	...	...	...
Callichthyids	-	...	...	...
Characins	-	...	...	...
Cichlids	-	610	...	...
Cobitids	-	...	...	...
Cyprinids	-	...	...	...
Loricariidae	-	...	...	...
Osteoglossids	-	64	...	...
Poeciliids	-	...	...	...
-	Catfishes	...	...	...
Osteichthyes	Freshwater fishes <i>nei</i>	...	...	...
<i>Palaemonetes pugio</i>	-	50	...	...
<i>Tryonix sinensis</i>	Chinese softshell turtle	...	...	0.451
<i>Taia naticoides</i>	Inley snails	...	...	...
Others	-	...	...	...

1,000 pcs.

Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...
...
...
...
...
...
...
...
...
...
...	...	20,500	...	...	...	...
...	20,037	...	...	...	...	...
...	50,441	...	...	...	...	...
...	23,409	...	...	...	...	...
...	6,199	...	...	...	...	...
...	60	...	...	...	...	...
...	82,511	...	...	...	...	...
...	2,207	...	...	...	...	...
...	1,379	...	...	...	...	...
...	24,526	...	...	...	...	...
...
...	...	...	...	68,962	...	...
...
...
...	...	4,000	...	...	...	...
...	17,176	...	...	...	...	...

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.2 In Value

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Akysis prashadi</i>	Indawgyi stream catfish	...	...	...
<i>Abudefduf sexfasciatus</i>	Scissortail sergeant	...	...	2.52
<i>Acanthocobitis botia</i>	Mottled loach	...	...	...
<i>Aequidens pulcher</i>	Blue acara	...	...	322.44
<i>Ameiurus catus</i>	White catfish	...	...	11.77
<i>Amphilophus labiatus</i>	Red devil	...	...	981.26
<i>Amphilophus trimaculatus</i>	Flowerhorn	...	...	13,232.54
<i>Amphiprion ocellaris</i>	Clown anemonefish	...	...	116.14
<i>Anampses caeruleopunctatus</i>	Bluespotted wrasse	...	...	10.53
<i>Aplocheilichthys panchax</i>	Blue panchax	...	...	0.17
<i>Apteronotus maculatus</i>	Apteronotus maculate	...	...	3,446.36
<i>Astronotus ocellatus</i>	Oscar	...	...	2,307.49
<i>Barbus pentazona</i>	Five banded barb	...	...	1,016.23
<i>Badis badis</i>	Badis	...	...	...
<i>Badis ruber</i>	Red chameleon fish	...	...	...
<i>Barilius bakeri</i>	-	...	...	...
<i>Barbodes gonionotus</i>	Java barb	...	...	1.59
<i>Barbodes schwanenfeldii</i>	Tinfoil barb	...	...	60.62
<i>Betta splendens</i>	Siamese fighter Fish	...	...	36,358.10
<i>Botia histrionica</i>	Golden zebra loach	...	...	...
<i>Botia kubotai</i>	-	...	...	...
<i>Brachydanio rerio</i>	Zebra danio	...	...	18.96
<i>Carassius auratus</i>	Goldfish	64	...	56,350.25
<i>Cambarellus diminutus</i>	Blue Mexican crayfish	...	...	26,460.39
<i>Cambarellus patzcuarensis</i>	Mexican dwarf crayfish	...	...	393.21
<i>Cichlasoma spilurum</i>	Blue-eye cichlid	...	...	48.64
<i>Cichlasoma godmanni</i>	Southern checkmark cichlid	...	...	120.41
<i>Cepaea hortensi</i>	White-lipped snail	...	...	...
<i>Celestichthys margaritatus</i>	Galaxy	...	...	...
<i>Channa harcourtbutleri</i>	Burmese snakehead	...	...	...
<i>Channa pulchra</i>	-	...	...	...
<i>Channa panaw</i>	-	...	...	...
<i>Chitala lopis</i>	Giant featherback	...	...	2.89
<i>Chromobotia macracanthus</i>	Clown loach	...	...	1,448.55

							US\$ 1,000
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	
...	...	0.15	...	...	...	...
...	
...	...	0.31	...	...	...	...
...	
...	
...	
...	
...	
...	
...	
...	
...	
...	...	0.73	...	...	...	...
...	...	0.60	...	...	...	...
...	...	0.39	...	...	...	...
...	
...	
...	
...	...	0.82	...	...	...	...
...	...	7.85	...	...	...	...
...	
...	
...	
...	
...	...	1.48	...	...	...	...
...	...	0.08	...	...	...	...
...	...	0.82	...	...	...	...
...	...	1.76	...	...	...	...
...	...	0.04	...	...	...	...
...	
...	

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.2 In Value (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Chrysiptera cyanea</i>	Sapphire devil	...	...	10.26
<i>Corydoras aeneus</i>	Bronze corydoras	...	...	5,500.39
<i>Ctenopoma acutirostre</i>	Leopard bush fish	...	...	5,902.54
<i>Cyphotilapia frontosa</i>	Humphead cichlid	...	...	1,424.55
<i>Cyprinus carpio</i>	common carp	...	...	132,999.04
<i>Cyprinus rubrofuscus</i>	-	1,415	...	...
<i>Danio albolineatus</i>	Pearl danio	...	...	...
<i>Danio choprae</i>	-	...	...	...
<i>Danio erythromicron</i>	-	...	...	...
<i>Danio kyathit</i>	-	...	...	...
<i>Danio margaritatus</i>	Galaxy rasbora	...	...	...
<i>Danio feegradei</i>	-	...	...	...
<i>Danio hysginon</i>	-	...	...	...
<i>Danio nigrofasciatus</i>	Spotted danio	...	...	...
<i>Danio tincoini</i>	Leopard danio	...	...	...
<i>Datnioides microlepis</i>	Indonesian tigerfish	...	...	1,796.58
<i>Devario auropurpureus</i>	-	...	...	...
<i>Devario browni</i>	-	...	...	...
<i>Devario sondhii</i>	-	...	...	...
<i>Distichodus notospilus</i>	Red-finned distichodus	...	...	18,491.14
<i>Erethistes hara</i>	Indian moth catfish	...	...	...
<i>Garra rufa</i>	Red garra	...	...	16.13
<i>Garra flavatra</i>	-	...	...	...
<i>Gagata cenia</i>	Rainbow catfish	...	...	...
<i>Glassogobius gluris</i>	Gopy	...	...	...
<i>Hemigrammus bleheri</i>	Brilliant rummy nose tetra	...	...	1.74
<i>Hypostomus plecostomus</i>	Suckermouth catfish	...	...	181.40
<i>Hyporhamphus quoyi</i>	Quoys halfbeak	...	...	0.19
<i>Hyphessobrycon anisitsi</i>	Buenos aires tetra	...	...	820.19
<i>Macrogathus zebrinus</i>	Zebra spiny eel	...	...	...
<i>Macrogathus spp.</i>	Spiny eel	...	...	...
<i>Megalomphodus sweglesi</i>	Paradise fish	...	...	316.15
<i>Melanochromis auratus</i>	Auratus cichlid	...	...	435.74
<i>Melanotaenia papuae</i>	Papuan rainbowfish	...	...	83.23
<i>Metynnix hypsauchen</i>	Silver dollar	...	...	1,353.94

							US\$ 1,000
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	
...	
...	
...	
...	
...	
...	
...	...	0.42	...	...	...	...
...	...	26.96	...	...	...	...
...	
...	...	7.85	...	...	...	...
...	...	25.81	...	...	...	...
...	...	0.43	...	...	...	...
...	...	17.09	...	...	...	...
...	...	0.27	...	...	...	...
...	...	0.04	...	...	...	...
...	
...	...	0.89	...	...	...	...
...	...	0.08	...	...	...	...
...	...	0.95	...	...	...	...
...	
...	...	0.05	...	...	...	...
...	
...	...	27.82	...	...	...	...
...	...	0.01	...	...	...	...
...	...	0.04	...	...	...	...
...	
...	
...	
...	
...	...	0.12	...	...	...	...
...	...	0.20	...	...	...	...
...	
...	
...	
...	

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.2 In Value (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Microrasbora rubescens</i>	-	...	...	...
<i>Moemkhausia pitteri</i>	Diamond tetra	...	...	947.56
<i>Monotrea ta cutcutia</i>	Green puffer	...	...	...
<i>Neocaridina davidi</i>	Cherry shrimp	...	...	...
<i>Neolamprologus lelleupi</i>	Lemon cichlid	...	...	1,691.63
<i>Nematobrycon palmeri</i>	Emperor tetra	...	...	24.80
<i>Oreochromis niloticus</i>	Nile tilapia	14,206	...	...
<i>Osteoglossum bicirrhosum</i>	Silver arowana	...	...	1,709.85
<i>Ostorhinchus chrysoaenia</i>	Yellowlined cardinal Fish	...	...	13.77
<i>Paracheirodon innesi</i>	Neon tetra	...	...	7,850.32
<i>Paracheirodon axelrodi</i>	Cardinal tetra	...	...	5,434.77
<i>Parambassis</i> spp.	-	...	...	...
<i>Parasphaerichthys ocellatus</i>	-	...	...	...
<i>Pethia conchonius</i>	Rosy barb	...	...	3,055.74
<i>Pethia erythromycter</i>	Lipstick barb	...	...	...
<i>Phenacogrammus interruptus</i>	Congo tetra	...	...	59.25
<i>Poecilia reticulata</i>	Guppy	532	...	17,675.03
<i>Poecilia sphenops</i>	Molly	365	...	4,822.42
<i>Poecilia</i> spp.	-	...	...	...
<i>Pomacanthus xanthometopon</i>		...	...	3.34
<i>Pterapogon kauderni</i>	Banggai cardinal fish	...	...	0.44
<i>Pterophyllum</i> spp.	-	67	...	...
<i>Puntigrus tetrazona</i>	Tiger barb	...	...	5.49
<i>Puntius binotatus</i>	Spotted barb	...	...	0.08
<i>Puntius</i> spp.	Asian barbs <i>nei</i>	...	...	...
<i>Pterophyllum scalare</i>	Freshwater angelfish	...	...	19,053.27
<i>Rasbora argyrotaenia</i>	Silver rasbora	...	...	0.94
<i>Sawbwa resplendens</i>	Sawbwa barb	...	...	...
<i>Schistura balteata</i>	-	...	...	...
<i>Scleropages formosus</i>	Asian bonytongue	...	...	71,300.03
<i>Synchiropus splendidus</i>	Mandarin fish	...	...	8.60
<i>Symphysodon discus</i>	Red discus	...	...	52,114.05
<i>Toxotes microlepis</i>	Smallscale archerfish	...	...	...

5.2 Aquaculture Production by Species of Ornamental Fishes, 2020

5.2.2 In Value (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Thalassoma jansanii</i>	Jansens wrasse	...	...	13.10
<i>Thorichthys meeki</i>	Fire mouth cichlid	...	...	148.40
<i>Trichogaster chuna</i>	Honey gourami	...	...	133.28
<i>Trichogaster lalius</i>	Dwarf gourami	...	...	10.96
<i>Trigonostigma heteromorpha</i>	Harlequin rasbora	...	...	647.86
<i>Trichopodus pectoralis</i>	Snakeskin gourami	...	...	64.43
<i>Xiphophorus helleri</i>	Green swordtail	...	...	488.62
<i>Xiphophorus maculatus</i>	Southern platyfish	...	...	730.78
<i>Xiphophorus variatus</i>	Variable platyfish	...	...	604.10
<i>Xiphophorus xiphidium</i>	Swordtail platyfish	...	...	2,562.82
<i>Xiphophorus</i> spp.	Platy	15	...	...
<i>Yunnanilus brevis</i>	-	...	...	...
Anabantids	-	...	...	...
Callichthyids	-	...	...	...
Characins	-	...	...	...
Cichlids	-	457	...	...
Cobitids	-	...	...	...
Cyprinids	-	...	...	...
Loricariidae	-	...	...	...
Osteoglossids	-	3,823	...	...
Poecilids	-	...	...	...
-	Catfishes	...	...	...
Osteichthyes	Freshwater fishes <i>nei</i>	...	...	...
<i>Palaemonetes pugio</i>	-	374	...	...
<i>Tryonix sinensis</i>	Chinese softshell turtle	...	...	1.23
<i>Taia naticoides</i>	Inley snails	...	...	...
Others	-	...	...	...

US\$ 1,000

Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...
...
...
...
...
...
...
...
...
...
...	...	2.22	...	...	...	...
...	7,301.60	...	...	...	...	...
...	11,942.62	...	...	...	...	...
...	5,458.50	...	...	...	...	...
...	23,373.04	...	...	...	...	...
...	4.67	...	...	...	...	...
...	32,682.31	...	...	...	...	...
...	95.36	...	...	...	...	...
...	32,574.65	...	...	...	...	...
...	1,836.10	...	...	...	...	...
...
...	...	...	...	33,299	...	...
...
...
...	...	0.32	...	...	...	...
...	2,437.23	...	...	...	...	...

5.3 Seed Production from Aquaculture, 2020

5.3.1 Brunei Darussalam

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilities
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>	0.26291	...	...	5
<i>Clarias macrocephalus</i>	Walking catfish	0.095	...	...	1
<i>Lates calcarifer</i>	Barramundi(= Giant seaperch)	0.1706	...	...	5
<i>Epinephelus fuscoguttatus</i> + <i>Epinephelus lanceolatus</i>	Hybrid grouper	0.032988	...	...	2
<i>Trachinotus auratus</i> / <i>T. blochii</i>	Golden Pompano/ Snubnose Pompano	0.0056	...	...	1
<i>Macrobrachium rosenbergii</i>	Giant freshwater prawn	0.0806	...	...	1
<i>Penaeus vannamei</i>	Whiteleg shrimp	34.9161	...	...	1
<i>Penaeus stylirostris</i>	Blue shrimp	4.8249	...	...	1

5.3 Seed Production from Aquaculture, 2020

5.3.2 Indonesia

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilities
<i>Kryptopterus micronema</i>	Catfish	0.01	...	...	...
<i>Barbonymus balleroides</i>	Barb	0.01	...	...	...
<i>Clarias batrachus</i>	Philippine catfish	66,551.18	...	...	...
<i>Clarias gariepinus</i>	North African catfish	190.45	...	...	...
<i>Cyprinus carpio</i>	Common carp	18,172.1	...	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	241.36	...	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	31,156.44	...	...	...
<i>Osteochilus vittatus</i>	Bonylip barb	3,512.12	...	...	...
<i>Pangasius pangasius</i>	Yellowtail catfish	4,339.3	...	...	...
<i>Pangasius djambal</i>	Pangas catfish	4.83	...	...	...
<i>Chanos chanos</i>	Milkfish	5,784.1	...	...	...
<i>Hemibagrus nemurus</i>	Asian Redtail catfish	48.59	...	...	...
<i>Colossoma macropomum</i>	Cachama	1,333.39	...	...	...
<i>Trachinotus blochii</i>	Snubnose pompano	2.23	...	...	...
<i>Anabas testudineus</i>	Climbing perches	771.51	...	...	...
<i>Channa striata</i>	Striped sneakhead	87.75	...	...	...
<i>Osphronemus goramy</i>	Giant gourami	2,660.41	...	...	...
<i>Leptobarbus hoevenii</i>	Hoven's carp	11.59	...	...	...
<i>Liopropoma randalli</i>	Indian basslet	765.97	...	...	...
<i>Plectorhinchus gibbosus</i>	Harry hotlips	0.03	...	...	...
<i>Lates calcarifer</i>	Barramundi	7.12	...	...	...
<i>Lutjanus fulvus</i>	Blacktail snapper	0.88	...	...	...
<i>Plectranthias retrofasciatus</i>	Redbarred perchlet	0.12	...	...	...
<i>Epinephelus bleekeri</i>	Duskytail grouper	765.97	...	...	...
<i>Epinephelus polyphkadion</i>	Camouflage grouper	0.22	...	...	...
<i>Cromileptes altivelis</i>	Humpback grouper	5.98	...	...	...
<i>Epinephelus faveatus</i>	Barred chest grouper	0.12	...	...	...
<i>Ephinepelus fuscoguttatus</i>	Brown marbled grouper	34.77	...	...	...
<i>Epinephelus spilotoceps</i>	Foursaddle grouper	746.64	...	...	...
<i>Epinephelus quoyanus</i>	Longfin grouper	1.11	...	...	...
<i>Caranx sexfasciatus</i>	Bigeye trevally	0.06	...	...	...
<i>Tor douronensis</i>	Semah mahseer	0.20	...	...	...

5.3 Seed Production from Aquaculture, 2020
5.3.2 Indonesia (Cont'd)

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilities
<i>Tor soro</i>	Carp	0.12	...	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	4.84	...	...	...
<i>Helostoma temminckii</i>	Kissing gourami	5.16	...	...	...
<i>Barbodes priacanthus</i>	Greater black striped barb	1,936.18	...	...	...
<i>Enteromius callipterus</i>	Clipper barb	0.98	...	...	...
<i>Esomus danricus</i>	Indian flying barb	0.65	...	...	...
<i>Barbonymus gonionotus</i>	Silver Barb	497.24	...	...	...
<i>Macrobranchium assamensis</i>	Red long claw shrimp	4.08	...	...	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	50,726.8	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	9,596.53	...	...	...
<i>Scylla serrata</i>	Indo-Pacific swamp crab	60	...	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	0.48	...	...	...
<i>Eucheuma cottonii</i>	Alkali treated cottoni	4.15	...	...	...
<i>Eucheuma spinosum</i>	Red seaweed	39.23	...	...	...
<i>Sargassum muticum</i>	Japanese wireweed	0.49	...	...	...

5.3 Seed Production from Aquaculture, 2020

5.3.3 Malaysia

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilities
<i>Barbonymus gonionotus</i>	Silver barb				...
<i>Cyprinus carpio</i>	Common carp				...
<i>Trichogaster pectoralis</i>	Snakeskin gouramy				...
<i>Puntius schwanenfeldii</i>	Schwanefeldi's tinfoil barb				...
<i>Oreochromis niloticus</i>	Nile tilapia				...
<i>Oreochromis</i> (=Tilapia) spp.	Tilapias <i>nei</i>				...
<i>Anabas testudineus</i>	Climbing perch				...
<i>Leptobarbus ocellatus</i>	Hoeveni's slender carp				...
<i>Clarias macrocephalus</i>	Walking catfish				...
<i>Mystus</i> spp.	River catfish	6,530.54	6.63	6,523.91	...
<i>Pangasius hypophthalmus</i>	Striped catfish				...
<i>Epinephelus</i> spp.	Groupers <i>nei</i>				...
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)				...
<i>Lutjanus johnii</i>	John's snapper				...
<i>Lutjanus malabaricus</i>	Red snapper				...
<i>Crassostrea</i> spp.	Oysters				...
<i>Penaeus monodon</i>	Giant tiger prawn				...
<i>Penaeus merguensis</i>	Banana prawn				...
<i>Macrobrachium rosenbergii</i>	Giant river prawn				...
-	Others				...

5.3 Seed Production from Aquaculture, 2020

5.3.4 Myanmar

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilities
<i>Labeo rohita</i>	Roho labeo	491.054	126.167	364.887	25
<i>Labeo gonius</i>	Kuria labeo	0.100			
<i>Cyprinus carpio</i>	Common carp	51.128	11.009	40.119	26
<i>Catla catla</i>	Catla	4.873	0.010	4.863	2
<i>Cirrhinus mrigala</i>	Mrigal carp	3.963	-	3.963	1
<i>Ctenopharyngodon idellus</i>	Grass carp(=White amur)	5.893	0.045	5.848	4
<i>Hypophthalmichthys molitrix</i>	Silver carp	3.771	-	3.771	1
<i>Hypophthalmichthys nobilis</i>	Bighead carp	2.842	-	2.842	3
<i>Cyprinus intha</i>	-	0.731	0.261	0.470	1
<i>Leptobarbus hoeveni</i>	Hoven's carp	0.100	-	0.100	1
<i>Oreochromis(=Tilapia)</i>	Tilapia <i>nei</i>	15.445	-	15.445	25
<i>Pangasius hypophthalmus</i>	Striped catfish	5.944	-	5.944	7
<i>Osteobrama alfredianus</i>	Rohtee	0.050	0.050	-	1
<i>Piaractus brachypomus</i>	Pirapatinga	3.377	-	3.377	5
<i>Puntius gonionotus</i>	Javanese carp	127.950	44.597	154.450	25
<i>Anabas testudineus</i>	Climbing perch	0.010	-	0.010	1
<i>Heteropneustes fossilis</i>	Stinging catfish	0.052	-	0.052	1
<i>Prochilodus lineatus</i>	Streaked prochilod	0.640	0.40	0.600	1
<i>Macrobrachium rosenbergii</i>	Giant river prawn	1.140	-	1.140	1
<i>Penaeus monodon</i>	Giant tiger prawn	6.200	1.200	5.000	4

5.3 Seed Production from Aquaculture, 2020

5.3.5 Singapore

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilities
<i>Oreochromis niloticus</i>	Nile tilapia	0.013	-	0.013	2
<i>Pangasius hypophthalmus</i>	Striped catfish	0.010	-	0.010	2
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	0.729	-	0.729	4
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	0.089	-	0.089	2
<i>Caranx ignobilis</i>	Giant trevally	-	-	-	-
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	0.121	-	0.121	2
<i>Lutjanus erythropterus</i>	Crimson snapper	2.304	-	2.304	3
<i>Gnathanodon speciosus</i>	Golden trevally	0.281	-	0.281	1
<i>Mugil cephalus</i>	Mullet	0.264	-	0.264	1
<i>Trachinotus blochii</i>	Snubnose pompano	0.073	-	0.073	2
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	0.853	-	0.853	3
<i>Chanos chanos</i>	Milkfish	1.361	-	1.361	3
<i>Epinephelus lanceolatus</i>	Giant grouper	0.004	-	0.004	2
<i>Epinephelus malabaricus</i>	Malabar grouper	0.017	-	0.017	1
<i>Scortum barcoo</i>	Barcoo grunter	0.019	-	0.019	3
<i>Oxyeleotris marmorata</i>	Marble goby	0.009	-	0.009	2
<i>Lutjanus johnii</i>	John's snapper	0.035	-	0.035	2
<i>Bidyanus bidyanus</i>	Silver perch	0.030	-	0.030	1

6. PRICE OF FRESH FISH

6.1 Producer Price for Capture Fishery Production by Species, 2020

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Cyprinus carpio</i>	Common carp	...	...	1.86
<i>Labeo rohita</i>	Roho labeo	...	...	...
<i>Cirrhinus microlepis</i>	Small scale mud carp	...	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp	...	...	2.34
<i>Hypophthalmichthys nobilis</i>	Bighead carp	...	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	...	...	...
<i>Catla catla</i>	Catla	...	...	...
<i>Barbonymus gonionotus</i>	Silver barb	...	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	...	...	1.66
<i>Oreochromis niloticus x O. mossambicus</i>	Red tilapia	...	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	...	...	1.12
<i>Chitala lopis</i>	Giant featherback	...	...	...
<i>Chitala ornata</i>	Clown featherback	...	...	...
<i>Micronema bleekeri</i>	Whisker sheatfish	...	...	...
<i>Clarias batrachus</i>	Philippine catfish	...	...	1.25
<i>Clarias gariepinus x C. macrocephalus</i>	Africa-bighead catfish, hybrid	...	...	...
<i>Clarias nieuhofii</i>	Freshwater catfish	...	...	4.30
<i>Clarias</i> spp.	Torpedo-shaped catfishes <i>nei</i>	...	...	...
<i>Pangasius pangasius</i>	Pangas catfish	...	...	2.13
<i>Pangasius djambal</i>	-	...	...	2.52
<i>Pangasius</i> spp.	Pangas catfishes <i>nei</i>	...	...	...
<i>Anguilla</i> spp.	River eels <i>nei</i>	...	...	...
<i>Mastacembelus dayi</i>	Spotted spiny eel	...	...	...
<i>Oxyeleotris marmorata</i>	Marble goby	...	...	2.31
<i>Anabas testudineus</i>	Climbing perch	...	...	...
<i>Osphronemus goramy</i>	Giant gourami	...	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	...	...	...
<i>Channa striata</i>	Striped snakehead	...	...	1.65
<i>Channa micropeltes</i>	Indonesian snakehead	...	...	2.45
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	2.81	...	1.09
<i>Hilsa kelee</i>	Kelee shad	...	...	1.13
<i>Tenualosa ilisha</i>	Hilsa shad	...	...	...

US\$/kg.						
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	2.27	2.90	...	...	1.60	...
...	...	2.18	...	...	1.60	...
...	...	...	...	...	1.44	...
...	2.48	...	...	...	...	...
...	1.82	2.90	...	...	...	...
...	6.09	...	...	...	...	...
...	...	1.81	...	...	...	...
...	...	...	...	...	1.92	...
...	2.24	1.45	...	...	1.89	...
...	...	...	...	...	2.84	...
...
...	...	...	...	...	2.24	...
...	...	...	...	...	2.56	...
...	...	...	...	...	7.99	...
...	...	4.35	...	...	...	...
...	...	...	...	...	2.24	...
...
...	1.30	4.35	...	...	...	...
...	1.93	1.81	...	...	...	...
...
...	...	...	...	...	1.50	...
...	4.58	...	...	...	4.79	...
...	...	...	...	...	2.88	...
...	14.21	...	...	...	...	...
...	...	...	...	...	2.75	...
...	...	...	...	...	1.92	...
...	...	...	...	...	2.56	...
...	...	4.35	...	...	4.15	...
...
...	0.97	...	...	...	...	...
...	5.59	...	...	...	...	...
...	...	7.26	...	...	...	...

6.1 Producer Price for Capture Fishery Production by Species, 2020 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Tenualosa toli</i>	Toli shad	...	...	...
<i>Tenualosa ilisha</i>	Hilsa shad	...	...	...
<i>Chanos chanos</i>	Milkfish	...	...	1.50
<i>Lates calcarifer</i>	Barramundi(=Giant seaperch)	5.81	...	2.59
<i>Psettodes erumei</i>	Indian halibut	...	...	...
<i>Harpadon nehereus</i>	Bombay-duck	...	...	0.68
<i>Surida tumbil</i>	Greater lizardfish	0.70	...	0.97
<i>Saurida</i> spp.	-	...	...	...
<i>Arius</i> spp.	-	1.42	...	...
Mugilidae	Mulletts <i>nei</i>	...	...	...
<i>Caesio caeruleaurea</i>	Blue and gold fusilier	...	...	1.34
<i>Caesio cuning</i>	Redbelly yellowtail fusilier	6.14	...	1.54
<i>Caesio</i> spp.	Fusillers <i>caesio nei</i>	4.02	...	...
<i>Anyperodon leucogrammicus</i>	Slender grouper	...	...	4.30
<i>Epinephelus merra</i>	Honeycomb grouper	...	...	2.01
<i>Epinephelus tauvina</i>	Greasy grouper	...	...	2.70
<i>Epinephelus coioides</i>	Orange-spotted grouper	...	...	3.41
<i>Epinephelus</i> spp.	Groupers <i>nei</i>	5.24	...	...
<i>Plectropomus maculatus</i>	Spotted coralgroupers	...	...	4.48
<i>Plectropomus leopardus</i>	Leopard coralgroupers	7.07	...	4.35
<i>Cephalopholis boenak</i>	Chocolate hind	...	...	2.77
<i>Cromileptes altivelis</i>	Humpback grouper	...	...	5.33
<i>Mene maculata</i>	Moonfish	...	...	...
<i>Priacanthus</i> spp.	Bigeyes <i>nei</i>	...	...	...
Sillaginidae	Sillago-whitings	...	...	...
Sciaenidae	Croakers, drums <i>nei</i>	...	...	...
<i>Lutjanus</i> spp.	Snappers <i>nei</i>	...	...	...
Lutjanidae	Snappers, jobfishes <i>nei</i>	...	...	...
<i>Nemipterus hexodon</i>	Ornate threadfin bream	...	...	1.13
<i>Nemipterus</i> spp.	Threadfin breams <i>nei</i>	1.94	...	...
<i>Leiognathus</i> spp.	Ponyfishes(=Slipmouths)	0.74	...	...
Haemulidae (=Pomadasyidae)	Grunts, sweetlips <i>nei</i>	...	...	...
<i>Upeneus</i> spp.	Goatfishes	...	...	...

US\$/kg.						
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	...	...	...	...	5.75	...
...	...	7.26	...	...	...	...
...
...	4.18	4.35	...	7.88	4.73	...
...	...	...	...	...	2.11	...
...	1.03	...	...	...	...	...
...
...	0.62	...	...	...	...	...
...	1.41	...	...	2.67	1.73	...
...	...	...	...	4.72	5.75	...
...
...	...	...	...	...	3.20	...
...	1.91	...	...	4.68	...	...
...
...
...
...
...	4.46	...	...	8.72	12.78	...
...
...
...
...
...	...	...	...	4.80	...	...
...	...	...	...	...	1.95	...
...	...	...	...	4.27	2.75	...
...	...	...	...	3.33	1.60	...
...	...	...	...	6.72	...	...
...	...	...	...	3.25	5.69	...
...
...	1.98	2.32	...	7.53	2.05	...
...	0.92	...	...	3.68	1.66	...
...	...	...	...	4.17	2.88	...
...	...	...	...	3.78	...	...

6.1 Producer Price for Capture Fishery Production by Species, 2020 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
Polynemidae	Threadfins, tasselfishes <i>nei</i>	...	...	...
<i>Siganus</i> spp.	Spinefeet <i>nei</i>	...	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	...	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	0.70	...	...
<i>Sardinella brachysoma</i>	Deepbody sardinella	...	...	1.41
<i>Sardinella gibbosa</i>	Goldstripe sardinella	1.05	...	1.09
<i>Sardinella longiceps</i>	Indian oil sardine	...	...	1.22
<i>Sardinella fimbriata</i>	Fringescale sardinella	...	...	0.82
<i>Sardinella lemuru</i>	Bali sardinella	...	...	0.93
<i>Sardinella</i> spp.	Sardinellas <i>nei</i>	1.86	...	...
<i>Dussumieria acuta</i>	Rainbow sardine	0.32	...	1.19
<i>Dussumieria</i> spp.	Rainbow sardines <i>nei</i>	...	...	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	...	...	...
<i>Chirocentrus dorab</i>	Dorab wolf-herring	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings <i>nei</i>	...	...	...
Clupeoidei	Clupeoids <i>nei</i>	...	...	...
<i>Auxis thazard</i>	Frigate tuna	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	...	...	...
<i>Thunnus albacares</i>	Yellowfin tuna	1.81	...	2.60
<i>Katsuwonus pelamis</i>	Skipjack tuna	...	...	...
<i>Scomberomorus</i> spp.	Seerfishes <i>nei</i>	...	...	...
<i>Scomber japonicus</i>	Chub mackerel	...	...	...
<i>Lactarius lactarius</i>	False trevally	...	...	...
<i>Rachycentron canadum</i>	Cobia	...	...	...
<i>Decapterus kurroides</i>	Red tail scad	...	...	1.34
<i>Decapterus macrosoma</i>	Shortfin scad	...	...	1.17
<i>Decapterus russelli</i>	Indian scad	...	...	1.31
<i>Decapterus macarellus</i>	Mackerel scad	...	...	1.38
<i>Decapterus</i> spp.	Scads <i>nei</i>	1.00	...	...
<i>Caranx melampygus</i>	Bluefin trevally	...	...	2.30
<i>Caranx sexfasciatus</i>	Bigeye travally	2.81	...	2.12
<i>Caranx tille</i>	Tille travally	4.53	...	2.13
<i>Caranx</i> spp.	Jacks, crevalles <i>nei</i>	3.96	...	...

US\$/kg.						
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
...	...	...	...	16.31	4.41	...
...	...	...	...	4.40	...	...
...	...	...	...	4.83	1.92	...
...
...
...
...
...
...	0.76	...	...	...	...	...
...
...	0.90	...	...	...	...	...
...	2.18	...	...	...	...	...
...	...	...	...	...	1.28	...
...	...	...	...	6.51	...	...
...	...	...	...	4.71	...	...
...	...	...	...	...	1.73	...
...	...	...	...	...	2.24	...
...	3.21	...	...	...	...	...
...	...	...	...	4.32	...	...
...	...	...	...	6.50	5.94	...
...	...	...	...	...	3.83	...
...	...	...	...	...	13.58	...
...	...	...	...	...	4.79	...
...
...
...
...	1.61	...	...	4.24	...	...
...
...	3.43	...	...	...	...	...
...
...	4.38	...	...	4.04	...	...

6.1 Producer Price for Capture Fishery Production by Species, 2020 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Trachinotus blochii</i>	Snubnose pompano	...	...	2.80
<i>Uraspis uraspis</i>	Whitemouth jack	...	...	2.57
Carangidae	Carangids <i>nei</i>	...	...	...
<i>Alectis indicus</i>	Indian threadfish	3.24	...	...
<i>Carangoides</i> spp.	-	...	...	...
<i>Atule mate</i>	Yellowtail scad	4.83	...	1.55
<i>Gnathanodon speciosus</i>	Golden trevally	7.41	...	2.21
<i>Alepes djedaba</i>	Shrimp scad	3.51	...	1.26
<i>Alepes</i> spp.	-	1.17	...	...
<i>Parastromateus niger</i>	Black pomfret	...	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	1.17	...	1.49
<i>Selar boops</i>	Oxeye scad	...	...	1.48
<i>Selaroides leptolepis</i>	Yellowstripe scad	1.05	...	1.51
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	...	...	3.38
<i>Megalaspis cordyla</i>	Hardtail scad	...	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	2.83	...	1.74
<i>Rastrelliger</i> spp.	Indian mackerel <i>nei</i>	...	...	...
Stromateidae	Butterfishes, pomfrets <i>nei</i>	...	...	...
<i>Pampus argenteus</i>	Silver pomfret	...	...	...
<i>Sphyaena</i> spp.	Barracudas <i>nei</i>	...	...	...
Cynoglossidae	Tonguefishes <i>nei</i>	...	...	...
Congridae	Conger eels	...	...	...
Elasmobranchii	Sharks, rays, skates, etc. <i>nei</i>	...	...	...
Rajiformes	Rays, stingrays, mantas <i>nei</i>	...	...	...
-	Spotted jawfishes	...	...	...
Osteichthyes	Marine fishes <i>nei</i>	...	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	...	...	6.22
<i>Portunus pelagicus</i>	Blue swimming crab	2.88	...	2.52
<i>Scylla serrata</i>	Indo-Pacific swamp crab	4.58	...	3.69
<i>Penaeus merguensis</i>	Banana prawn	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	11.42	...	3.76
<i>Penaeus indicus</i>	Indian white prawn	...	...	...
<i>Penaeus latisulcatus</i>	Western king prawn	...	...	3.55

							US\$/kg.
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	
...	
...	
...	...	...	...	3.64	2.17	...
...	2.42	...	...	...	...	...
...	3.15	...	...	...	...	...
...	1.59	...	...	...	...	...
...	2.89	...	...	...	...	...
...	
...	2.49	...	...	...	...	...
...	...	...	...	...	8.95	...
...	...	1.45	...	...	...	...
...	1.61	...	...	...	...	...
...	1.64	...	...	...	...	...
...	2.63	...	...	...	5.75	...
...	...	...	...	...	1.85	...
...	2.19	2.18	...	...	2.17	...
...	...	...	...	...	2.68	...
...	...	...	...	11.17	...	...
...	...	...	...	...	19.17	...
...	...	...	...	4.18	1.66	...
...	...	...	...	...	2.97	...
...	...	...	...	...	2.24	...
...	...	...	...	4.16	1.60	...
...	...	...	...	4.30	1.92	...
...	...	...	...	...	5.11	...
...	...	...	...	4.38	...	...
...	
...	4.52	...	...	...	8.95	...
...	4.37	...	...	12.72	11.18	...
...	10.07	...	...	...	...	...
...	
...	4.98	...	...	...	...	...
...	1.94	...	...	...	8.15	...

6.1 Producer Price for Capture Fishery Production by Species, 2020 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Penaeus semisulcatus</i>	Green tiger prawn	10.09	...	3.76
<i>Penaeus</i> spp.	Penaeus shrimps <i>nei</i>	6.50	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps <i>nei</i>	...	...	...
Palaemonidae	Freshwater prawns	...	...	...
<i>Thenus orientalis</i>	Flathead lobster	...	...	...
<i>Loligo</i> spp.	Common squids <i>nei</i>	1.55	...	...
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	...	...	...
Natantia	Natantia decapods <i>nei</i>	...	...	...
Octopodidae	Octopuses <i>nei</i>	...	...	...
Brachyura	Marine crabs <i>nei</i>	...	...	...
Pectinidae	Scallops <i>nei</i>	...	...	...
<i>Perna viridis</i>	Green mussel	...	...	...
<i>Modiolus</i> spp.	Horse mussels <i>nei</i>	...	...	...
<i>Paphia</i> spp.	Short neck clams <i>nei</i>	...	...	...
<i>Anadara granosa</i>	Blood cockle	...	...	...
Sepiidae/Sepiolodae	Cuttlefish, squids <i>nei</i>	...	...	...
<i>Rana</i> spp.	Frogs	...	...	...

							US\$/kg.
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam	
...	
...	
...	5.11	...	
...	28.76	...	
...	7.99	...	
...	3.54	2.16	...	5.50	...	...
...	7.67	...	
...	12.60	...	...
...	4.15	...	
...	7.63	...	...
...	3.83	...	
...	1.63	...	
...	1.28	...	
...	2.27	...	
...	4.47	...	
...	5.11	6.39	...	
...	3.16	...	

7. FISHERS

7.1 Number of Fishers by Working Status, 2020

	Brunei Darussalam	Cambodia	Indonesia	Lao PDR
Total	2,507	...	...	...
Marine Capture Fishery	202	...	...	...
Full-time	202	...	...	...
Part-time	...	...	...	...
Occasional	...	...	...	...
Status Unspecified	...	...	...	...
Inland Capture Fishery	...	...	...	...
Full-time	...	...	...	...
Part-time	...	...	...	...
Occasional	...	...	...	...
Status Unspecified	...	...	...	...
Aquaculture	462	...	...	...
Full-time	462	...	...	...
Part-time	...	...	...	...
Occasional	...	...	...	...
Status Unspecified	...	...	...	...
Unspecified	1,843	...	...	...
Full-time	737	...	...	...
Part-time	1,106	...	...	...
Occasional	...	...	...	...
Status Unspecified	...	...	...	...

