

# FISHERY STATISTICAL BULLETIN OF SOUTHEAST ASIA 2009



Southeast Asian Fisheries Development Center

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**Southeast Asian Fisheries Development Center (SEAFDEC)**

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## FOREWORD

The collection and compilation of fishery statistics of the Southeast Asian region has been a long-term on-going activity of SEAFDEC, starting in the late 1970s. The annual publication of the Fishery Statistical Bulletin of the South China Sea Area was redesigned later in 2008 to become the Fishery Statistical Bulletin of Southeast Asia. In the process of compiling the data for this annual publication, SEAFDEC also continues to conduct activities that aim to strengthen the national fishery statistical systems of the countries in the region. These activities have been grounded on the fact that fishery statistics are crucial in understanding the real-time status and conditions of the region's fishery resources, that would enable appropriate agencies to adopt the necessary fisheries management measures as and when necessary.

In redesigning the annual fishery statistical publication, SEAFDEC came up with the Regional Framework for Fishery Statistics of Southeast Asia in 2008 to serve as reference for the ASEAN countries in their efforts to improve their respective national fishery statistical systems. With its contents being focused on the minimum requirements for the collection of fishery statistics based on harmonized standards and definitions that correspond to the regional requirements and conform to international standards, the Framework is also aimed to ease the burden of the national agencies responsible for fishery statistics in their efforts of collecting and compiling the necessary data and information for their respective policy makers as well as for SEAFDEC to enable us to regularly come up with this annual publication.

As can be gleaned starting with the Fishery Statistical Bulletin of Southeast Asia 2008 and also in this issue for 2009, some improvements in the national fishery statistical systems are already very prominent. On the part of SEAFDEC, we will continue our commitment to sustain this activity recognizing its relevance for the sustainable development of fisheries in the Southeast Asian region, as had always been emphasized not only by the SEAFDEC Council of Directors but also by the Ministers of the ASEAN-SEAFDEC Member Countries responsible for fisheries. Thus, SEAFDEC will continue to find ways and means of responding to the gigantic task of strengthening the national fishery statistical mechanisms for the effective collection, compilation, and sharing of fishery data and information in the region.

As this juncture and on behalf of SEAFDEC, I wish to express our profound gratitude to the national agencies responsible for the collection and compilation of fishery statistics, for their continued support and cooperation. To the staff of these agencies with their untiring efforts in providing us with the necessary data and information that went into this Publication, SEAFDEC is indeed very thankful.



Chumnarn Pongsri  
Secretary-General  
Southeast Asian Fisheries Development Center



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**I**

**EXPLANATORY NOTES**





## EXPLANATORY NOTES

### 1. GENERAL NOTES

#### 1.1 Data Source

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 Statistics Bulletin of Southeast Asia will be 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 metric tonnes, except ornamental fish and reptiles which are reported in piece/number
- Fishery production statistics in value are reported in US\$ 1,000
- Fish process 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	=	Metri Tonnes
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 Statistics 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 cover 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 Fisheries**

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 sectors, namely Marine Capture Fishery and Inland Capture Fishery. Statistics on production or catch, fishing gear, fishing boats, fishing units, fishers, etc. will be collected and compiled under each sector.

##### **2.3.1.1 Marine Capture Fisheries**

###### **a. Coverage and Definition**

Marine capture fishery is divided into two sub-sectors: small-scale fishery (including subsistence fishery /artisanal/traditional) and commercial fishery. As it is not possible 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 exclude 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 has been

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

There are many instances where the catches on board fishing vessel 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 have been converted to US\$.

### **b.2 Statistic 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, and inter-agency 3-alpha code, and national/local name. Please refer to *Appendix 3* for the ISSCAAP and the regional list of aquatic animal and plants.

#### **2) Production by type of fishing gear**

The production classifies 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 of other craft and 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 fisheries 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 a 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 trawler 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 types of fishing gear. In cases where a fishing unit operates more than two 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 similar types of boats.

##### **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/farmers: fishers/farmers who spend all of their working time in fishing/farming
- (b) Part-time fishers/farmers: fishers/farmers who spend part of their working time in fishing/farming

#### **2.3.1.2 Inland Capture Fisheries**

##### **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 present 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 caught and 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 has been 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 have been 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 in the same format as that for marine species. The regional standard statistical list of aquatic species is given in *Appendix 3*.

#### **2) Production by type of water bodies**

Statistics on production from inland capture fishery should be presented in accordance with the following four 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) Flood plains/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 fisheries 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 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/boats:
  - 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
- (b) Part-time (including seasonally full-time)
- (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 form of intervention in the rearing process to enhance production, such as regular stocking, feeding and protection from predators. Farming also implies individual or cooperative 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 harvest of 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, its production then could be reported in more than one sub-sector, *e.g.* Java barb, tilapia, milkfish, etc.

#### 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 aquaculture**

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 has been 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 have been 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 output. 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 aquaculture. One species can be reported in more than one type of environment depending on its tolerant and the culture status in the 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*.

##### **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 are artificial units of varying sizes constructed above or below ground level capable of holding and interchanging water
- (b) Pens refer to 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 refer to open or covered enclosed structures constructed with net, mesh, or any porous



- material allowing natural water interchange. These structures may be floating, suspended, or fixed to the substrate but still permitting water interchange from below
- (d) Paddy fields refer to paddy fields used for rice and aquatic organisms; rearing them in rice paddies to any marketable size
  - (e) Others refer to 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, such as 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 (water surface 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 will 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 given 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. There 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 boundaries 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 for Asia (Fishing Area 04) 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 Asia 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-areas
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
	South-west Kalimantan	71	71k
	East Kalimantan	71	71k
	South Sulawesi	71	71k
	North Sulawesi	71	71k
	Maluku-Papua	71	71k
d) Malaysia			
	West Coast of Peninsular Malaysia	57	57c
	East Coast of Peninsular Malaysia	71	71e
	Sarawak	71	71f
	Saba (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) Vietnam		61,71	
	North Vietnam	61	61a
	Central Vietnam	61	61b
	Southwest Vietnam	71	71c
	Southeast Vietnam	71	71d

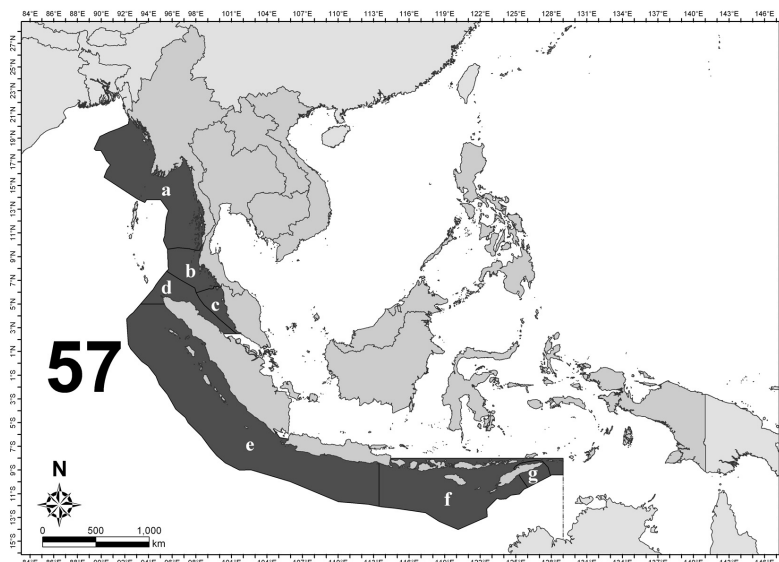
#### Area 57 (Indian Ocean, Eastern)

Under fishing area 57, marine fishery statistics such as production, species, fishing gear, fishing vessel, 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)

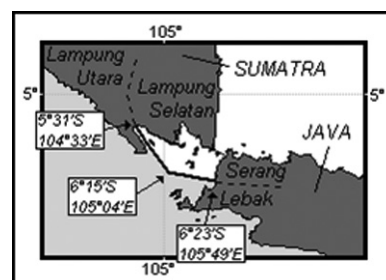
- Sub-area 57c: Marine fishing area of Malaysia (West Coast of Peninsular Malaysia)  
 Sub-area 57d: Marine fishing area of Indonesia (Malacca Strait)  
 Sub-area 57e: Marine fishing area of Indonesia (West Sumatra and South Java)  
 Sub-area 57f: Marine fishing area of Indonesia (Bali-Nusa Tenggara)



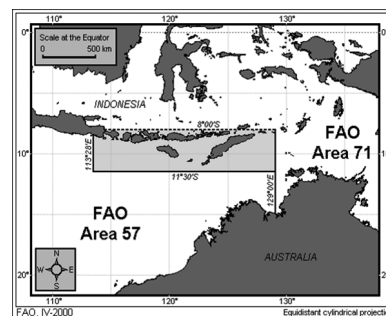
*Sub-areas of the fishing area 57, Indian Ocean, Eastern*

### Boundary between Area 57 and 71

- At the Strait of Malacca, the areas bounded by a line commencing from East Sumatra and across the strait at  $2^{\circ} 30' N$  latitude to meet the West Coast of Peninsular Malaysia.
- 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  $5^{\circ} 31' S$  latitude,  $104^{\circ} 33' E$  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  $6^{\circ} 15' S$  latitude,  $105^{\circ} 04' E$  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  $6^{\circ} 23' S$  latitude,  $105^{\circ} 49' E$  longitude.
- At marine waters of Java and Bali-Nusa Tenggara, the areas bounded by a line commencing from  $8^{\circ} 00' S$  latitude starting the coast of South Java at Surabaya and running east to meet at  $129^{\circ} 00' E$  longitude; thence running due south until meet Northern coast of Australia. The area under the line is recognized as the fishing area 57 whereas the other above the line accepted as fishing area 71.



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

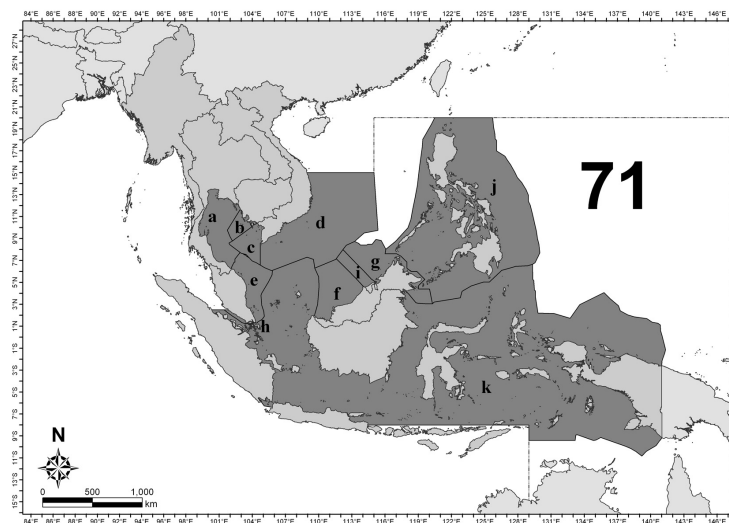


*Boundary line for the Area 57 and 71 at the marine waters of South Java and Bali-Nusa Tenggara*

### Area 71 (Pacific, Western Central)

Under fishing area 71, marine fishery statistics such as production, species, fishing gear, fishing vessel, 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 covering Brunei Darussalam, Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand and Vietnam. To facilitate reporting fishery statistics by each country, the fishing area can be divided into 11 sub-areas for the region, 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 Vietnam (Southwest Vietnam)
- Sub-area 71d: Marine fishing area of Vietnam (Southeast Vietnam)
- Sub-area 71e: Marine fishing area of Malaysia (East Coast of Peninsular Malaysia)
- Sub-area 71f: Marine fishing area of Malaysia (Sabah)
- Sub-area 71g: Marine fishing area of Malaysia (Sarawak)
- 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, Maluku-Papua)

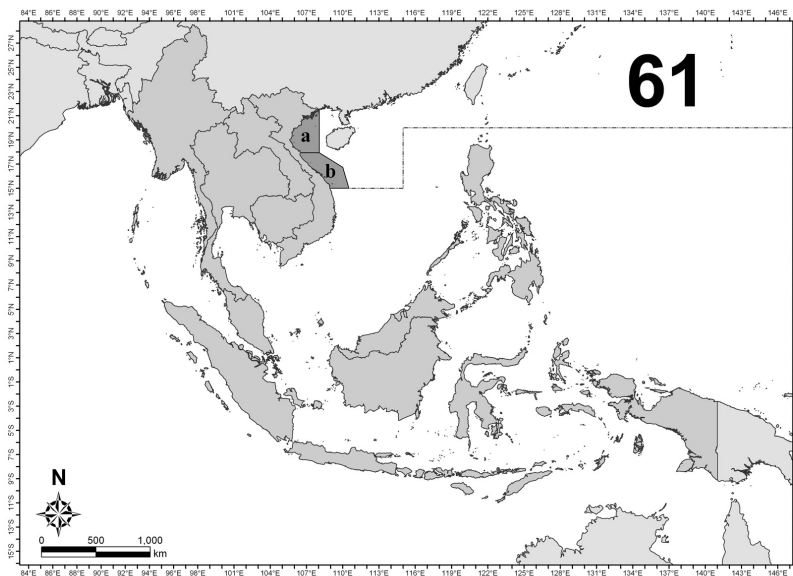


*Sub-areas of the fishing area 71, Pacific, Western Central*

**Area 61 (Pacific, Northwest)**

Under fishing area 61, the marine fishery statistics such as production, species, fishing gear, fishing vessel, 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 Vietnam. The fishing area can be divided into 2 sub-areas as follows:

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



*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 Zone2 b)60.1-150 GT; 351-600 Hp operating in Zone3 c)151-200 GT; 600-800 Hp operating in Zone4
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 A	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 B b)With vessels from 40-70 GRT operating in Zone C c)With vessels above 70 GRT operating in Zone C2
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
Vietnam	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		
Vietnam	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 CWP will be used as basis to develop the Regional Standard Statistic List of Aquatic Species, which focused on the species available and their distribution 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
<b>1</b>	<b>Freshwater fishes</b>
11	Carps, barbells and other cyprinids
12	Tilapias and other cichlids
13	Miscellaneous freshwater fishes
<b>2</b>	<b>Diadromous fishes</b>
24	Shads
25	Miscellaneous diadromous fishes
<b>3</b>	<b>Marine fishes</b>
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
<b>4</b>	<b>Crustaceans</b>
41	Freshwater crustaceans
42	Crabs, sea-spiders
43	Lobsters, spiny-rock lobsters
45	Shrimps, prawns
47	Miscellaneous marine crustaceans
<b>5</b>	<b>Molluscs</b>
51	Freshwater molluscs
52	Abalones, winkles, conch
53	Oysters
54	Mussels
55	Scallops, pectens
56	Squids, cuttlefishes, octopuses
57	Miscellaneous marine molluscs

<b>7</b>	<b>Miscellaneous aquatic animals</b>
71	Frogs and other amphibians
72	Turtles
73	Crocodiles and alligators
76	Sea-urchins and other echinoderms
77	Miscellaneous aquatic invertebrates
<b>8</b>	<b>Miscellaneous aquatic animal products</b>
81	Pearls, mother-of pearl, shells
82	Corals
83	Sponges
<b>9</b>	<b>Aquatic plants</b>
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 production, breakdown into types of fishing gear, the classification of fishing gears will be used as follows:

Major Group	Minor Group	Standard Abbreviation	ISSCFG Code
1.Purse seine*		PS	01.1.0
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

\* Although there is no minor classification of purse seine, but the Southeast Asian countries agreed to separately report production from: i) Anchovies purse seine; and ii) Fish purse seine.

#### 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.

##### 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 angles 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 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 when 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 is referred to provide figures of the fishing vessel as follows:

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

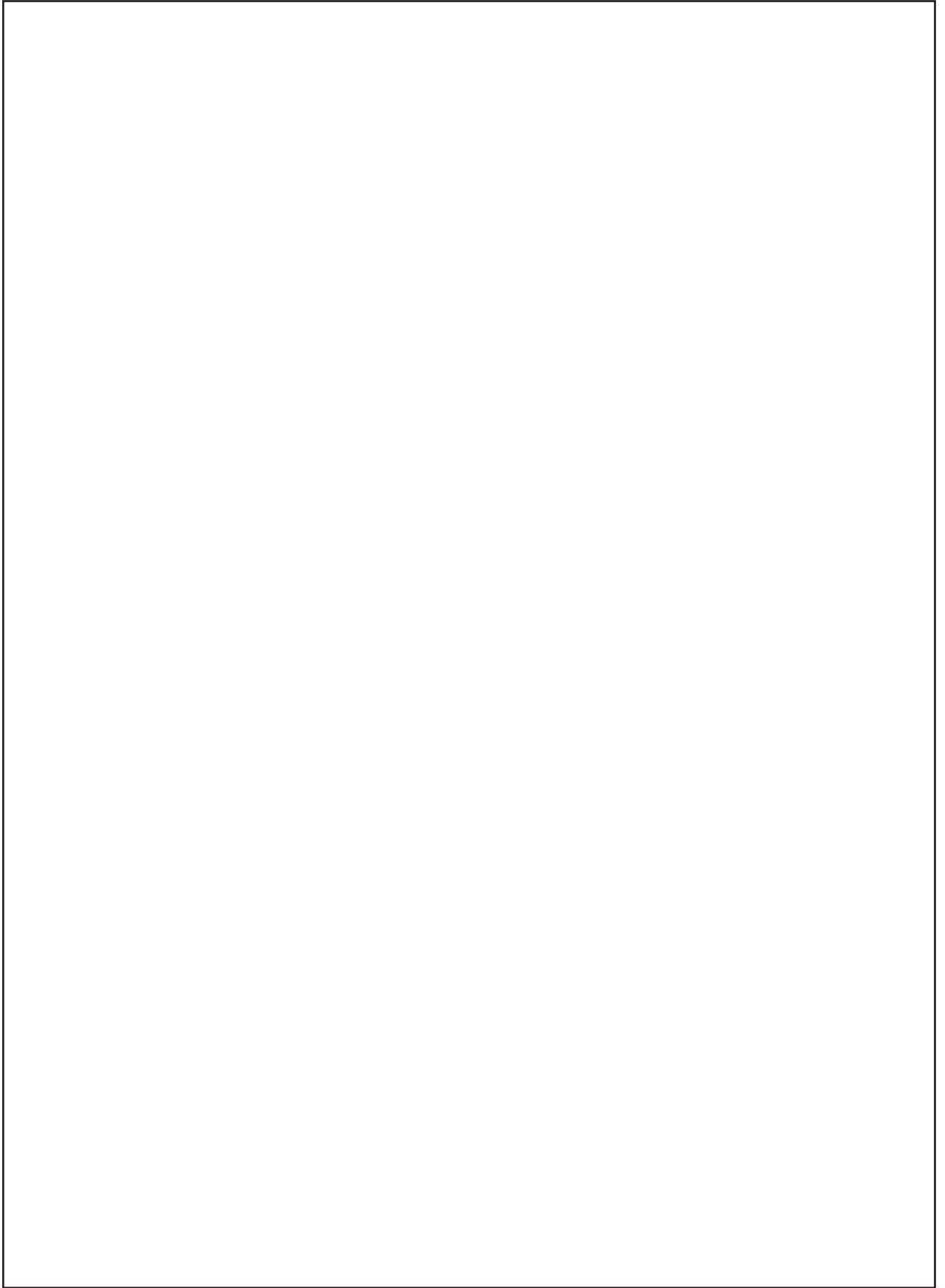
*Appendix 6***CLASSIFICATION OF FISHERS AND FARMERS**

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:

<b>Main Category</b>	<b>Working Area</b>	<b>Working Status</b>
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 2009**





## STATISTICAL SUMMARY

### AN OVERVIEW OF THE FISHERY SECTOR OF SOUTHEAST ASIA IN 2009

#### 1. THE FISHERIES SECTOR

In 2009, the total fishery production of the Southeast Asian region was 28,917,096 MT valued at about US\$ 29,215 million, of which production from marine capture fisheries accounted for 48.90% (14,140,387 MT), about 8.29% (2,397,273 MT) from inland fisheries, and about 42.81% (12,379,436 MT) from aquaculture. In terms of value, marine capture fisheries accounted for about 35.66% (US\$ 10,417 million) of the total value of the region's fishery production, inland capture fisheries about 9.70% (US\$ 2,834 million) and aquaculture about 54.64% (US\$ 15,964 million).

Comparing the 2009 fishery statistical data in terms of quantity and value with those in 2008, it can be seen that the quantity increased by about 6.28% while the total value also increased by 2.22%. Overall, production from fisheries remained relatively stable in the last five years from 2005 to 2009. Although production from marine capture fisheries of 14,140,387 MT in 2009 has increased by approximately 326,019 MT over the sub-sector's production in 2008 but its value in 2009 decreased by about US\$ 1,922 million compared with that of 2008. After the quantity had increased from 13,587,280 MT in 2005 to 14,056,983 MT in 2007, it decreased to 13,814,368 MT in 2008 but increased to 14,140,387 MT in 2009. Likewise, the value also experienced stable increase from US\$ 8,104 million in 2005 to US\$ 12,338 million in 2008 but went through a steep decline to only US\$ 10,417 million in 2009. Meanwhile, production from inland capture fisheries in 2009 has slightly increased, both in terms of quantity and value by 67,749 MT and US\$ 619 million, respectively compared with those of 2008. Similarly for aquaculture, production also increased in terms of quantity and value by 1,315,502 MT and US\$ 1,932 million, respectively, over that of 2008.

By country, Indonesia reported the highest fishery production in 2009 of 10,064,140 MT followed by the Philippines with 5,084,674 MT and coming in next is Vietnam with 4,782,400 MT. In descending order, the next in rank was Myanmar with 3,491,103 MT; then Thailand 3,137,672 MT; Malaysia 1,729,002 MT; Cambodia with 515,000 MT; and Lao PDR with 105,000 MT. The two countries with the lowest fishery production were Singapore with 5,682 MT and Brunei Darussalam with 2,418 MT. Nevertheless, for the whole region, the fishery production for the five-year period from 2005 to 2009 had increased by 5,928,988 MT or an annual average increase of 1,185,798 MT.

Indonesia also led in terms of value of its fishery production at US\$ 7,493 million followed by Myanmar at US\$ 5,284 million. In descending order, Vietnam reported the value of its total fishery production at US\$ 4,868 million; the Philippines at US\$ 4,267 million; Thailand at US\$ 3,940

million; Malaysia at US\$ 2,600 million; Cambodia at US\$ 533 million; and Lao PDR at US\$ 205 million. The lowest fishery production values were reported by Singapore at US\$ 19.0 million and Brunei Darussalam at US\$ 6.0 million.

## **2. MARINE FISHERIES PRODUCTION (QUANTITY AND VALUE)**

In 2009, production from marine fisheries was recorded at 14,140,387 MT contributing about 48.90% of the total fishery production of Southeast Asia, representing an increase of 2.36% over that of 2008. The value of the production from marine capture fisheries was reported at US\$ 10,417 million or 35.65% of the total fishery production value, even if such value in 2009 represented a decrease of 15.57% over that of 2008. During the past five years from 2005 to 2009, the reported landing from marine capture fisheries production fluctuated between 13.59 and 14.14 million MT, while the value increased from US\$ 8.10 to 12.34 billion until 2008 and decreased to US\$ 10.42 billion in 2009.

From 2005 to 2009, Indonesia maintained its first position as the top producer of marine fishery products, and with production of 4,789,410 MT in 2009 the country accounted for 33.87% of the region's total production from marine capture fisheries. In terms of quantity, the country's production increased at an annual average of 76,182 MT. Although the country's landed value increased at an average of about US\$ 308 million annually from 2005 to 2008, in 2009 it registered a steep decline of more than US\$ 3.27 billion or by about 65.97%.

The second highest producer in 2009 was the Philippines with production of 2,418,838 MT or 17.11% of the region's total production from marine fisheries and valued at US\$ 2,390 million or 22.94% of the region's total production value. While the Philippines registered an annual average increase in production of about 60,000 MT from 2005 to 2009, it also experienced increasing trend of its production value but only until 2008, after which the production value declined by about US\$ 421 million or 14.97% from 2008 to 2009.

Although Vietnam placed third with production of 2,098,220 MT or 14.84% of the region's total production from marine fisheries, the country has not been reporting its marine fishery production value. Production of Myanmar in terms of quantity had been increasing at an annual average of about 98,000 MT from 2005 to 2009, and its production in 2009 was 1,867,510 MT or 13.21% of the region's total production valued at US\$ 3,081 million or 29.57% of the region's total production value. It is important to note that the country's production value had tremendously increased by 94.35% from 2008 to 2009.

In 2009, Thailand's production from marine capture fishery was 1,496,162 MT or 10.58% of the region's total production, valued at US\$ 1,244 million or 11.94% of region's total production value. While the country's production in terms of quantity has been decreasing from 2005 to 2009 at an annual average of about 220,000 MT, Thailand's production value experienced an up-and-down trend and finally decreasing by about 19.50% from 2007 to 2008, and by 2.50% from 2008 to 2009.

Production of Malaysia in 2009 was 1,391,088 MT or 9.84% of the region's total production valued at US\$ 1,887 million. While the country's production had been steadily increasing from

2005 to 2008, Malaysia experienced a slight decrease in its production by 3,443 MT from 2008 to 2009. However, its production value has been continuously increasing during the five-year period.

Meanwhile, Cambodia also experienced an increasing trend of its production in terms of quantity and in 2009 its production was 75,000 MT or 0.53% of the total regional production valued at US\$ 111 million or 1.06% of the region's total production value. The remaining two countries, Singapore and Brunei Darussalam had the lowest marine fishery production in terms of quantity and value. While Singapore's production in 2009 was 2,121 MT or 0.01% of the total, the corresponding value was US\$ 10 million or 0.10% of the total production value. This implies that the value of its production per metric ton was US\$ 4,927/MT, the highest among the countries in the region considering that the value per metric ton of Indonesia which is the highest producer in the region was only about US\$ 352/MT. Production of Brunei Darussalam in 2009 was 1,958 MT or 0.01% of the total production valued at US\$ 5 million or 0.05% of the total. Coming next after Singapore, the value per metric ton of the marine fishery production of Brunei Darussalam was US\$ 2,554/MT, the second highest for the region.

In summary, production from marine capture fisheries from 2005 to 2009 increased in terms of quantity by 553,107 MT or annual average increase of 110,621 MT and in landed value by US\$ 2,312 million or an annual average increase of US\$ 462 million. The increasing trend of the production quantity over the five-year period was contributed mainly by Myanmar's production which increased at an average of 98,368 MT/year, followed by Indonesia's production which increased by 76,182 MT/year, then production of Vietnam by 61,440 MT/year, Philippines also increased by 59,324 MT/year and Malaysia's production which increased by an average of 12,288 MT/year. Regarding the trend in production value over the five-year period, it should be noted that Myanmar only reported its corresponding production value in 2008 and 2009 while Cambodia reported only in 2009, and no reports in previous years. Malaysia reported an increasing trend of its production value at an average of US\$ 148 million/year and Philippines at US\$ 142 million/year. In contrast, Thailand experienced a continuing decline of its production by about 223,881 MT/year as well as in terms of value by about US\$ 58 million/year. In terms of value per metric tons of production, Singapore ranked first at US\$ 4,927/MT, Brunei Darussalam at US\$ 2,544/MT, Myanmar at US\$ 1,650/MT, Cambodia at US\$ 1,476/MT, Malaysia at US\$ 1,357/MT, Philippines at US\$ 998/MT, Thailand at US\$ 832/MT, and Indonesia at US\$ 352/MT. Vietnam has not reported the value of its production from 2005 to 2009.

Production from marine capture fisheries by species in 2009 in terms of quantity and percentage, indicated that scad nei (*Decapterus* spp.) contributed the highest production which far exceeded that for all other species, accounting for nearly 4.11% (582,053 MT) of the total production from marine capture fisheries in the region. This was followed skipjack tuna (*Katsuwonus pelamis*) contributing 564,338 MT or 3.99% to the total production followed very closely by Sardinellas nei (*Sardinella* spp.) which contributed 564,279 MT accounting for 3.99%, aquatic invertebrates nei at 400,118 MT or 2.83%, stolephorus anchovies (*Stolephorus* spp.) at 310,024 MT or 2.19%, and short mackerel (*Rastrelliger brachysoma*) at 300,990 MT or 2.13% of the region's total production from marine capture fisheries. On the other hand, production of miscellaneous marine fishes (Osteichthyes) was 4,830,892 MT contributing 34.17% to the region's total production from marine capture fisheries. Despite the fact that a regional breakdown by species in terms of value was not reported by Brunei Darussalam and Vietnam, the data seemed to indicate that other

mackerels (*Rastrelliger* spp.) gave the highest proportion (valued at US\$ 394 million contributing 3.78% to the region's total production value from marine capture fisheries) followed by common squids nei (*Loligo* spp.) at US\$ 387 million or 3.72%, Natantia decapods nei at US\$ 354 million or 3.41%, skipjack tuna (*Katsuwonus pelamis*) at US\$ 336 million or 3.23%, scads nei (*Decapterus* spp.) at US\$ 298 million or 2.86%, yellowfin tuna (*Thunnus albacores*) at US\$ 293 million or 2.82%, and sardinellas nei (*Sardinella* spp.) at US\$ 269 million contributing about 2.58% to the region's total production value from marine capture fisheries.

In 2009, the top species group that contributed to the increasing marine fisheries catch of Indonesia (4,789,410 MT or 33.87% of the region's total catch from marine capture fisheries) was marine fishes nei (Osteichthyes) with production of 402,417 MT (accounting for 8.4% of the country's total marine catch) followed by scad nei (*Decapterus* spp.) at 330,690 MT or 6.9%, skipjack tuna (*Katsuwonus pelamis*) at 300,740 MT or 6.28%, short mackerel (*Rastrelliger brachysoma*) at 251,510 MT or 5.25%, stolephorus anchovies (*Stolephorus* spp.) at 207,450 MT or 4.33%, kawakawa (*Euthynnus affinis*) at 189,260 MT or 3.95%, yellowstrip scad (*Selaroides leptolepis*) at 153,490 MT or 3.20%, Bali sardinella (*Sardinella lemuru*) at 139,010 MT or 29.0%, frigate tuna (*Auxis thazard*) at 135,200 MT or 2.82%, and yellowstrip scad (*Selaroides leptolepis*) at 128,250 MT contributing 2.68% to the country's total production from marine capture fisheries.

For the Philippines which gave the region's second highest production from marine capture fisheries, the top species that contributed to the country's marine catch of 2,418,838 MT (accounting for 17.11% of the region's total production from marine capture fisheries) included sardinellas nei (*Sardinella* spp.) at 467,853 MT (contributing 19.34% to the country's production from marine capture fisheries) followed by skipjack tuna (*Katsuwonus pelamis*) at 251,524 MT or 10.40%, scad nei (*Decapterus* spp.) at 251,072 MT or 10.38%, yellowfin tuna (*Thunnus albacores*) at 152,437 MT or 6.30%, frigate tuna (*Auxis thazard*) at 152,338 MT or 6.30%, bigeye scad (*Selar crumenophthalmus*) at 107,335 MT or 4.44%, stoleporus anchovies (*Stolephorus* spp.) at 81,842 MT or 3.38%, and common squids nei (*Loligo* spp.) at 61,112 MT contributing 2.53% of the country's total marine catch.

As for Vietnam which accounted for the region's third highest production from marine capture fisheries, the top species that comprised its production of 2,098,300 MT (accounting for 14.84% of the region's total production from marine capture fisheries) included marine fishes nei (Osteichthyes) at 1,572,100 MT (accounting for 74.92% of the country's total production from marine catch), aquatic invertebrates nei at 398,900 MT or 19.01%, and natantia decapods nei at 127,300 MT contributing 6.07% of the country's total marine catch.

### **3. INLAND FISHERIES PRODUCTION (IN QUANTITY AND VALUE)**

The total catch from the region's inland waters seemed to be increasing specifically the production quantity of 2,397,273 MT in 2009 which increased from 2,329,524 MT in 2008, with an average five-year increase of 101,797 MT/year. It should be noted, however, that reporting of inland fisheries production continues to present problems owing to insufficient reliable information in terms of quantity and species composition. Moreover, catches by rural communities in many countries that comprise the main users of the inland resources, are usually not reported in the

national statistics. Accordingly, the figures on the total catch provided in this document should be considered as indicative only.

While eight countries have been reporting the quantity of catch from inland fisheries, only seven countries reported the corresponding values. Thus, the regional production trend of the inland fisheries sector could not be pictured as of the moment. However, for some individual countries that reported the data in quantity and value, the national picture of their respective inland fisheries could be visualized. Nevertheless, production from inland capture fisheries in the region in 2009 (2,397,273 MT) accounted for about 8.29% of the region's total fisheries production. As the top producer, Myanmar reported stable inland catch since 2005, and the country's catch from inland fisheries in 2009 was 899,430 MT (37.52% of the region's total inland fisheries production) although the country's production report was not classified by species. For Indonesia's production of 494,630 MT (20.63% of the region's total inland fisheries production) which ranked second, the report had been classified by species, likewise for Thailand's production of 245,500 MT or 10.24% and the Philippines' production of 188,444 MT or 7.86%, which ranked fourth and fifth, respectively. Cambodia's production from inland fisheries of 390,000 MT which accounted for 16.27% of the region's total inland fisheries production was classified by big commodity groups such as freshwater fishes and crustaceans so with Vietnam's production of 144,800 MT or 6.04%, Lao PDR with 30,000 MT or 1.25%, and Malaysia at 4,469 MT contributing 0.19% to the region's total inland fisheries production.

As reported, Myanmar had the highest fisheries production from inland fisheries in 2009 but such production could not be analyzed in terms of species composition since species breakdown was not made available. Meanwhile, Indonesia's production of 494,630 MT which was the region's second highest comprised mainly *Mystacoleucus padangensis* with production of 187,540 MT (37.92% of the country's inland fisheries production) followed by freshwater fishes nei (Osteichthyes) at 63,620 MT or 12.86%, striped snakehead (*Channa striata*) at 30,660 MT or 6.20%, Nile tilapia (*Oreochromis niloticus*) at 20,540 MT or 4.15%, snakeskin gourami (*Trichogaster pectoralis*) at 18,200 MT or 3.68%, torpedo-shaped catfishes nei (*Clarias* spp.) at 15,530 MT or 3.14%, and glass catfish (*Kryptopterus* spp.) at 13,580 MT contributing 2.75% to Indonesia's total production from inland capture fisheries. For Cambodia's production of 390,000 MT which ranked third in the region, the dominant species were the freshwater fishes nei (Osteichthyes) at 389,700 MT or 99.92% and freshwater crustaceans nei at 300 MT contributing 0.08% to Cambodia's total production from inland capture fisheries.

In 2009, Myanmar also reported the highest value at US\$ 1,349 million followed by Indonesia at US\$ 617 million, Cambodia at US\$ 335 million, Thailand at US\$ 273 million, the Philippines at US\$ 156 million, Lao PDR at US\$ 93 million and Malaysia at US\$ 11 million. Brunei Darussalam, Singapore and Vietnam did not report the corresponding values of their production from inland fisheries. Therefore, the percentage contribution from inland fisheries to the region's total fisheries production in terms of value could not be established because of lack of data making any conclusion unreliable.

#### **4. AQUACULTURE**

The data for aquaculture, included those from mariculture, brackishwater culture and freshwater

culture. Of the total fisheries production from aquaculture of 12,379,436 MT in 2009 (accounting for about 42.81% of the region's total fisheries production), mariculture contributed 4,945,239 MT while 2,694,336 MT came from brackishwater culture and 4,739,861 MT from freshwater culture. In terms of value, the region's total production value of US\$ 15,964 million comprised US\$ 2,225 from mariculture (13.93% of the total aquaculture production value), US\$ 7,156 million from brackishwater culture (44.83% of the total aquaculture production value), and US\$ 6,583 from freshwater culture (42.24% of the total aquaculture production value).

Indonesia led the countries in terms of production quantity at 4,780,100 MT or 38.61% of the region's total production from aquaculture, valued at US\$ 5,189 million or 32.50% of the region's total aquaculture production value. Vietnam ranked second at 2,539,300 MT accounting for 20.51% of the region's total, valued at US\$ 4,868 million or 30.48% of the region's total. The Philippines reported production of 2,477,392 MT or 20.01% of the region's total and valued at US\$ 1,721 million or 10.78% of the region's total; Thailand at 1,396,010 MT or 11.28% of the region's total and valued at US\$ 2,423 million or 15.17% of the region's total; Myanmar at 724,163 MT or 5.85% of the region's total and valued at US\$ 853 million or 5.34% of the region's total; Malaysia at 333,445 MT or 2.69% of the region's total and valued at US\$ 701 million or 4.39% of the region's total; Lao PDR at 75,000 MT or 0.61% of the region's total and valued at US\$ 112 million or 0.70% of the region's total; and Cambodia at 50,000 MT or 0.40% of the region's total and valued at US\$ 88 million or 0.55% of the region's total. Singapore reported its production at 3,566 MT or 0.03% of the region's total valued at US\$ 9 million or 0.05% of the region's total, while Brunei Darussalam reported its production at 460 MT or 0.003% and valued at about US\$ 6 million or 0.004% of the region's total.

Moreover, in terms of value per metric ton of production, Singapore presented the highest at US\$ 2,466/MT followed in descending order by Malaysia at US\$ 2,102/MT, Vietnam at US\$ 1,917/MT, Cambodia at US\$ 1,759/MT, Thailand at US\$ 1,735/MT, Lao PDR at US\$ 1,491/MT, Brunei Darussalam at US\$ 1,439/MT, Myanmar at US\$ 1,178/MT, Indonesia at US\$ 1,086/MT, and Philippines at US\$ 695/MT.

#### **4.1 MARICULTURE**

In 2009, the region's total production from mariculture of 4,945,239 MT or 39.73% of the region's total production from aquaculture valued at US\$ 2,225 million or 13.93% of the region's total aquaculture production value, was contributed mainly by the Zanzibar weeds (*Eucheuma cottonii*) at 1,462,203 MT or 29.42% of the region's total production from mariculture which was contributed by the Philippines alone. The second mariculture species with the highest production was green mussel (*Perna viridis*) at 261,210 MT or 5.26% of the region's total with Thailand contributing the highest production of 230,678 MT or 88.31% of the species group's total production followed by blood cockle (*Anadara granosa*) at 132,792 MT or 2.67% of the region's total also with Thailand contributing the highest production of 67,854 MT or 51.10% of the species group's total production.

In terms of value, Zanzibar weeds (*Eucheuma cottonii*) accounted for the highest mariculture value at US\$ 177 million which was contributed by the Philippines. This was followed by the marine molluscs nei at US\$ 165 million with Vietnam contributing the highest value of the

species group and green mussel (*Perna viridis*) at US\$ 67 million mainly contributed by Thailand.

#### 4.2 BRACKISHWATER CULTURE

The region's total production from brackishwater culture in 2009 was 2,694,336 MT or 22.82% of the region's total production from aquaculture, valued at US\$ 7,156 million or 44.83% of the region's total. Production of the whiteleg shrimp (*Penaeus vannamei*) was the highest at 571,000 MT or 20.22% of the region's total production from brackishwater culture with Thailand contributing the most at 535,000 MT or 93.69% of the species group's production. The second brackishwater culture species with the highest production was the giant tiger prawn (*Penaeus monodon*) at 429,800 MT or 15.21% of the region's total production from brackishwater culture with Vietnam contributing the highest production of 316,000 MT or 73.52% of the production of the species group. The third highest production came from milkfish (*Chanos chanos*) at 79,153 MT or 2.80% of the region's total production from brackishwater culture with the Philippines contributing the highest production for the total species group production.

In terms of value, whiteleg shrimp (*Penaeus vannamei*) gave the highest production value from brackishwater culture of US\$ 1,772 million with Thailand contributing the highest value for the species group at US\$ 1,628 million. This was followed by the giant tiger prawn (*Penaeus monodon*) at US\$ 1,771 million with Vietnam contributing the highest value of the species group at US\$ 1,264 million, and milkfish (*Chanos chanos*) at US\$ 603 million with the Philippines contributing the highest value for the species group.

#### 4.3 FRESHWATER CULTURE

The total production from freshwater culture in 2009 was 4,739,861 MT or 37.45% of the region's total production from aquaculture. Vietnam contributed the highest production at 1,812,900 MT or 39.11% of the region's total production from freshwater culture. The second major producer was Indonesia with production of 1,162,300 MT or 25.07% of the region's total freshwater culture production followed by Myanmar at 670,773 MT or 14.15% of the region's total production from freshwater culture. Production of the pangas catfish (*Pangasius pangasius*) contributed the highest production among the species group at 1,063,944 MT or 22.95% of the region's total freshwater culture production with Vietnam contributing the highest production of 1,050,000 MT or 68.67% of the total production of the species group. The second highest species produced were the freshwater fishes nei at 993,630 MT or 21.43% of the region's total production from freshwater culture with Vietnam contributing the highest production of 906,600 MT or 91.24% of the total species group. This was followed by Roho labeo (*Labeo rohita*) with production of 490,421 MT or 10.58% of the region's total production from freshwater culture, of which Myanmar had the highest production of 488,046 MT or 99.52% of the total species group.

In terms of value, the collective total for the region's freshwater culture was US\$ 6,583 million of which Vietnam accounted for US\$ 2,719 million followed by Indonesia at US\$ 1,736 million, Myanmar at US\$ 644 million, Thailand at US\$ 633 million, Philippines at US\$ 419 million, Malaysia at US\$ 251 million, Lao PDR at US\$ 112 million, Cambodia at US\$ 67.5 million and Singapore at US\$ 1.0 million. No corresponding values were reported by Brunei Darussalam.



## 5. FISHING GEAR ANALYSIS

An analysis of fishing gear used in the region in 2009 was focused only on four countries that reported their respective production from marine capture fisheries by type of fishing gear, namely: Malaysia, Myanmar, Singapore, and Brunei Darussalam. The most prevalent gear used in Malaysia was trawl with total production of 702,275 MT or 50.37% of the production from all types of gears, of which trash fishes comprised the highest production at 241,402 MT or 34.37% of the trawl's total production. This was followed by purse seine at 361,367 MT or 25.98% of all types of gears, where Scad nei (*Decapterus* spp.) comprised most of the production at 80,920 MT or 22.39% of the purse seine's total production. Gill net came third with production of 165,363 MT or 11.89% of types of gears, of which the Rastrelliger mackerel nei (*Rastrelliger* spp.) contributed its production of 53,892 MT or 32.59% of the gill net's total production.

For Myanmar, its highest catch production in terms of gear was provided by the trawls at 1,071,160 MT or 57.36% of all types of gears, of which Miscellaneous nei showed the highest production at 645,938 MT or 60.30% of the trawl's total catch. This was followed by the purse seine with total catch of 465,682 MT or 24.93% of all types of gears, where Miscellaneous nei had been mostly caught providing 381,747 MT or 20.44% of the purse seine's total production.

Singapore reported that its highest production by gear was from the trawls at 1,910 MT or 90.05% of all types of gears, of which trash fishes gave the highest production of 334 MT or 17.49% of trawl's total production. The second was gill net providing 88 MT or 4.15% of all types of gears, of which the blue swimming crab (*Portunus pelagicus*) gave the highest production for trawls.

Brunei Darussalam reported that its highest production by gear was from the purse seine at 895 MT or 50.68% of all types of gears, of which Scad nei (*Decapterus* spp.) gave the highest production of 224 MT or 25.03% of purse seine's total production. This was followed by the trawls at 803 MT or 45.47% of all types of gears, of which the Miscellaneous nei provided 452 MT or 56.29% of trawl's total production.

However, it should be noted the abovementioned data for gear used in marine capture fisheries could not be properly analyzed as several countries such as Cambodia, Indonesia, Lao PDR, Philippines, Thailand, and Vietnam did not provide any information.

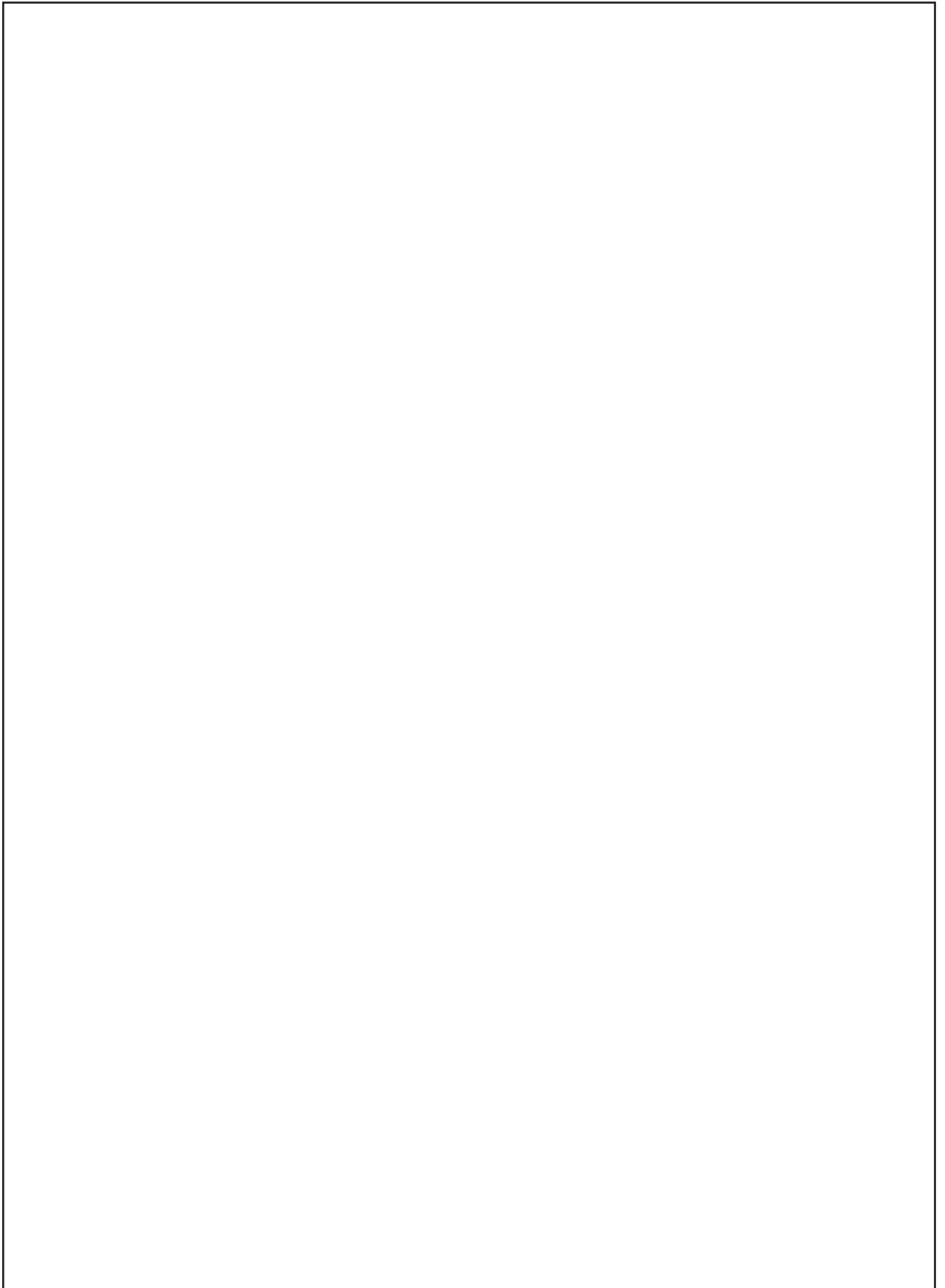
## 6. NUMBER OF FISHING BOATS BY TYPE AND TONNAGE

The figures included in this section cover only the boats that were registered in each country although Lao PDR and the Philippines did not report the number of their fishing boats for 2009. The available information indicated that Indonesia has the highest number of boats at 596,230 of which 205,460 are non-powered boats and 390,770 are powered, followed by Cambodia with 108,145 of which 61,718 are non-powered boats and 46,427 are powered boats. The third highest number was reported by Malaysia with 48,745 of which 2,998 were non-powered and 45,747 were powered boats. Myanmar reported that its total number of boats was 30,428 of which 14,645 were non-powered and 15,783 were powered boats followed by Vietnam at

24,990 and Thailand at 16,891 which were all powered boats. Brunei Darussalam reported 2,743 boats of which 141 were non-powered and 2,602 were powered boats while Singapore reported that all its 133 boats are powered boats.

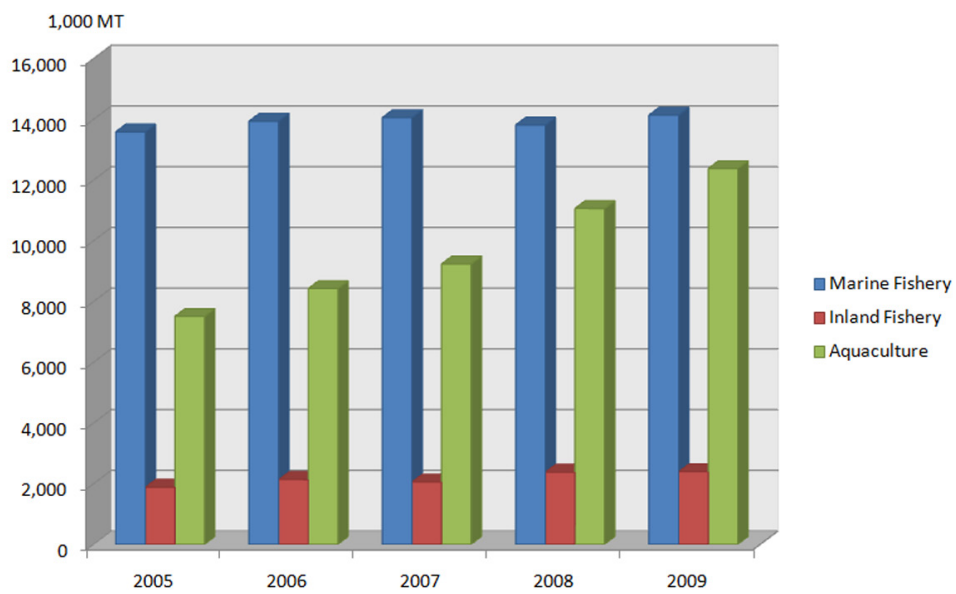
## **7. NUMBER OF FISHERS BY WORKING STATUS**

In 2009, Myanmar had the highest number of fishers at 3,261,199 of which 1,450,000 or 44.46% were involved in marine fishery including 250,000 full-time and 270,000 part-time fishers while 930,000 were occasional fishers. In inland fishery, the country had 1,600,395 fishers or 49.07% including 500,395 full-time and 305,000 part-time fishers. Indonesia had 2,752,490 including 2,255,650 fishers in marine fishery of which 1,118,800 were full-time, 805,660 part-time and 331,190 occasional fishers. In inland fishery, the country had 496,840 of which 184,980 were full-time, 213,570 part-time and 98,290 were occasional fishers. Cambodia had 1,038,873 including 156,302 fishers in marine fishery, 821,701 fishers inland fishery and 60,870 in aquaculture. Malaysia had 173,604 including 125,632 fishers in marine fishery, 23,986 in inland fishery and 23,986 fishers in aquaculture. Brunei Darussalam had 359 fishers all of whom were full-time in marine fishery. Singapore had 460 fishers including 45 full-time fishers in marine fishery and 415 in aquaculture of which 338 were full-time and 77 were part-time fishers. Lao PDR, the Philippines, Thailand and Vietnam did not provide information on their respective number of fishers.

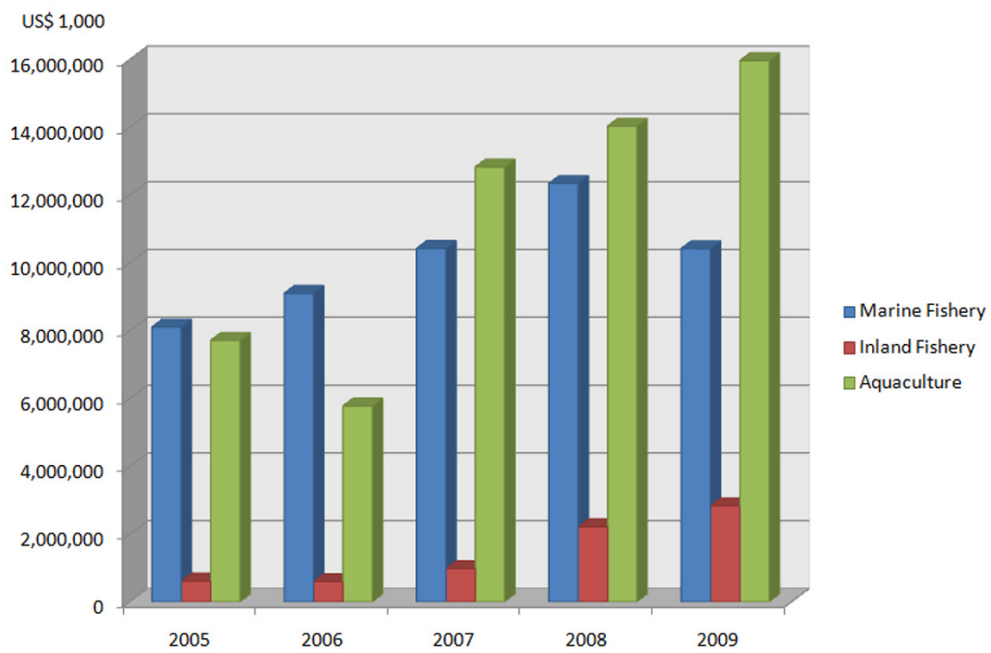


## 1. Fishery Production 2005-2009

### (1) In quantity

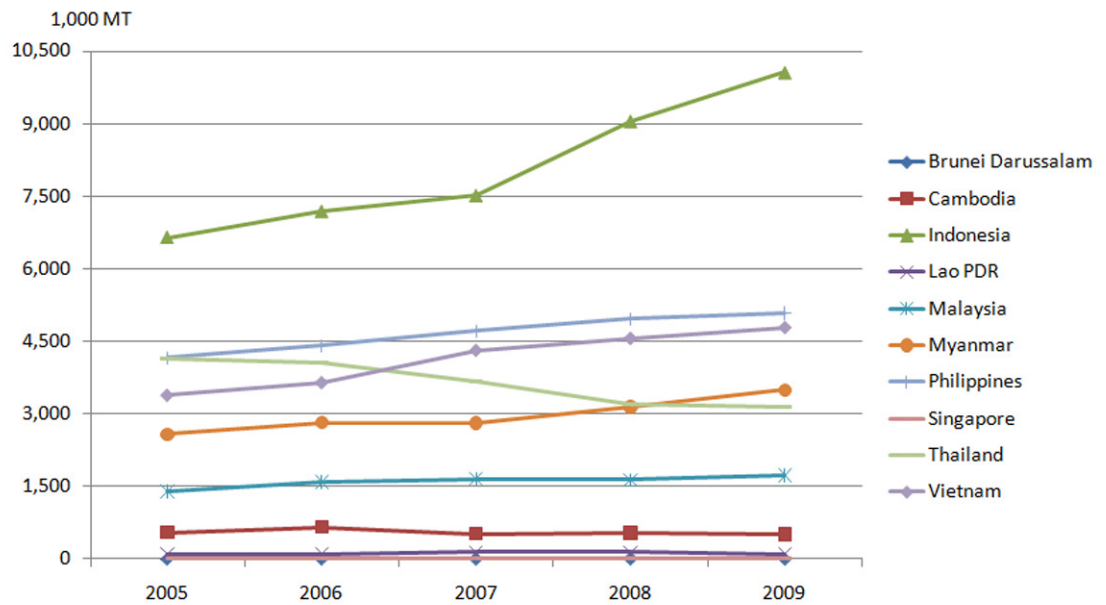


### (2) In value

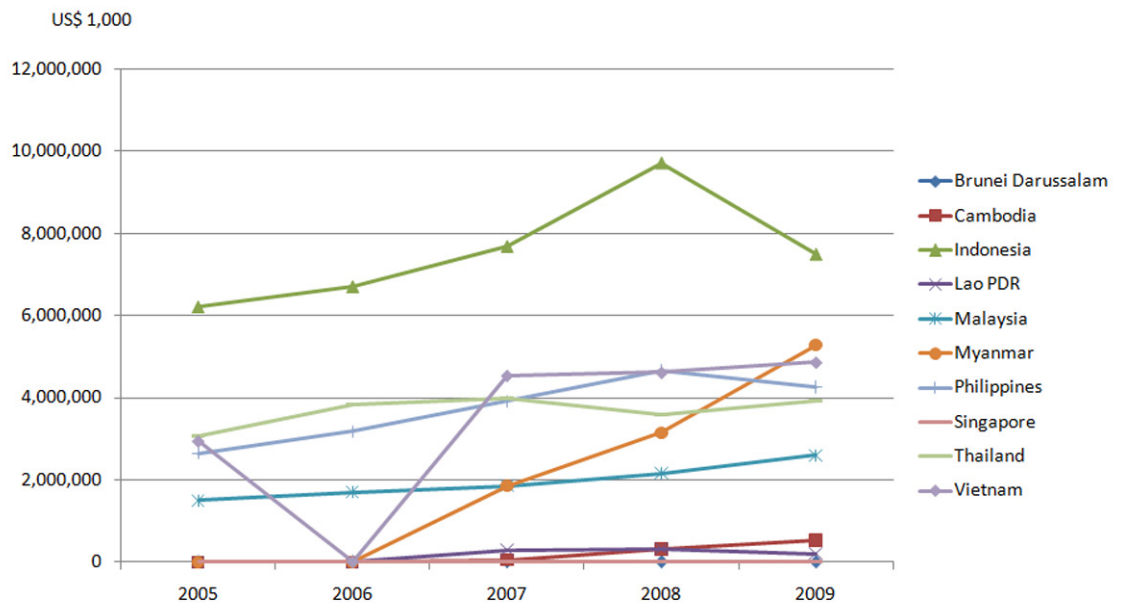


## 2. Fishery Production by Country 2005-2009

(1) In quantity

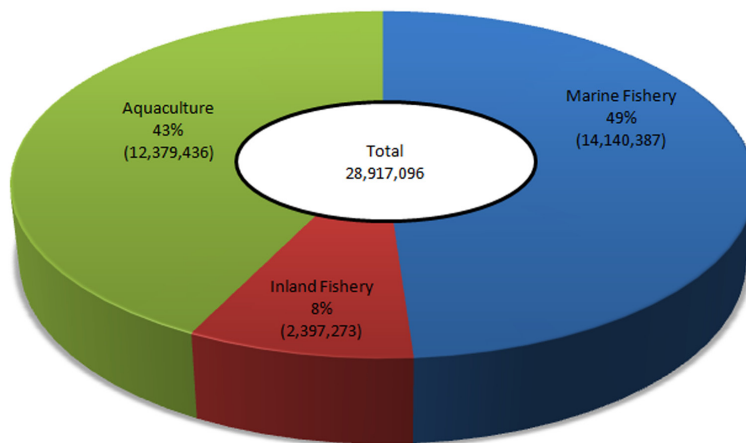


(2) In value

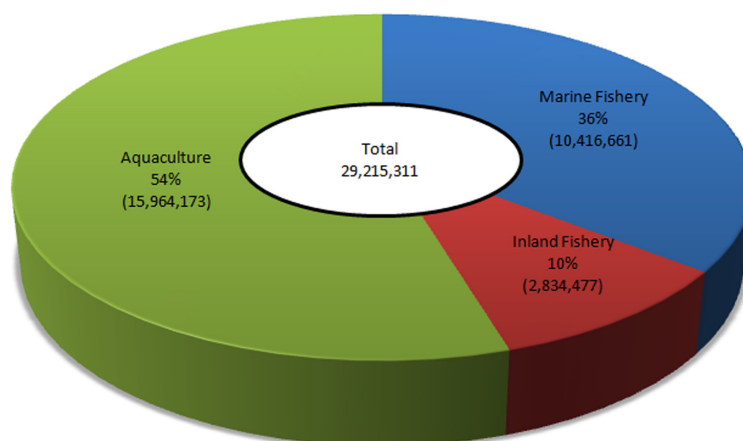


### 3. Fishery Production by Sub-sector: 2009

(1) In quantity (MT)



(2) In value (US\$ 1,000)



#### 4. Fishery Production by Sub-sector and by Country: 2009

(1) In quantity

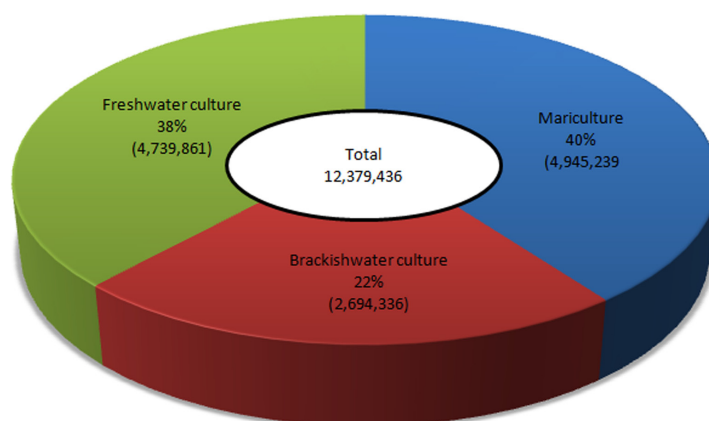
Country/Territory	Total	Marine Fishery	Inland Fishery	MT
				Aquaculture
Total	28,917,096	14,140,387	2,397,273	12,379,436
Brunei Darussalam	2,418	1,958	...	460
Cambodia	515,000	75,000	390,000	50,000
Indonesia	10,064,140	4,789,410	494,630	4,780,100
Lao PDR	105,000	...	30,000	75,000
Malaysia	1,729,002	1,391,088	4,469	333,445
Myanmar	3,491,103	1,867,510	899,430	724,163
Philippines	5,084,674	2,418,838	188,444	2,477,392
Singapore	5,682	2,121	...	3,566
Thailand	3,137,672	1,496,162	245,500	1,396,010
Vietnam	4,782,400	2,098,300	144,800	2,539,300

(2) In value

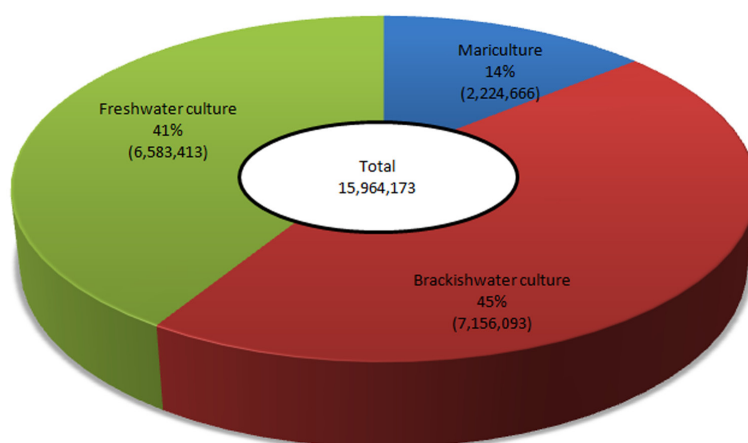
Country/Territory	Total	Marine Fishery	Inland Fishery	US\$ 1,000
				Aquaculture
Total	29,215,311	10,416,661	2,834,477	15,964,173
Brunei Darussalam	5,947	5,289	...	658
Cambodia	533,528	110,729	334,845	87,954
Indonesia	7,493,133	1,686,971	616,640	5,189,522
Lao PDR	204,969	...	93,168	111,801
Malaysia	2,599,980	1,887,588	11,482	700,910
Myanmar	5,283,701	3,081,391	1,349,145	853,165
Philippines	4,266,944	2,390,076	155,907	1,720,961
Singapore	19,243	10,450	...	8,793
Thailand	3,940,087	1,244,167	273,290	2,422,630
Vietnam	4,867,779	...	...	4,867,779

## 5. Aquaculture by Sub-sector: 2009

(1) In quantity (MT)



(2) In value (US\$ 1,000)



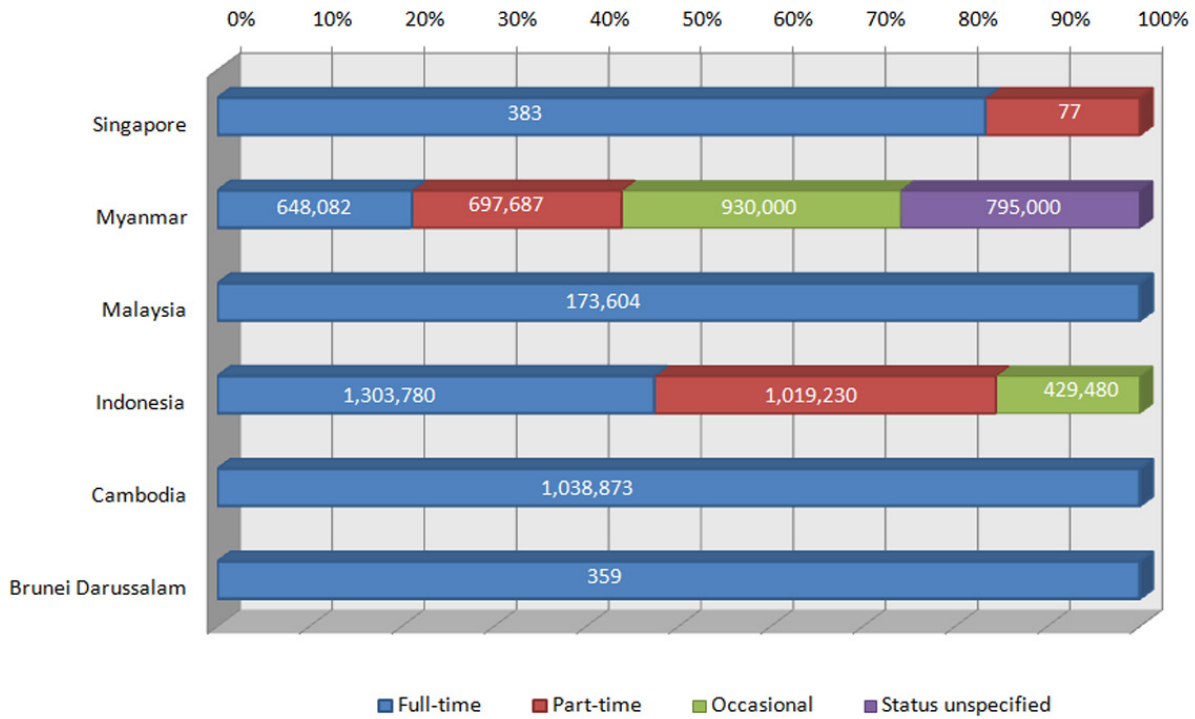


### 6. Number of Fishing Boats by Type (Marine fishery only)

Country/ Territory	Year	Total	Non-powered boat	Out-board powered boat	In-board powered boat
Brunei Darussalam	2009	2,750	135	2,577	38
Cambodia	2009	108,145	61,718	...	46,427
Indonesia	2009	596,230	205,460	233,530	157,240
Malaysia	2009	48,745	2,998	27,857	17,890
Myanmar	2009	30,428	14,645	14,025	1,758
Singapore	2009	133	...	130	3
Thailand	2009	16,891	...	...	16,891
Vietnam*	2009	24,990	...	...	...

\* Figures from General Statistics Office of Vietnam Website

### 7. Number of Fishers by Working Status



### 8. Major 20 Marine Species Caught in the Region: 2009

#### (1) In quantity (MT)

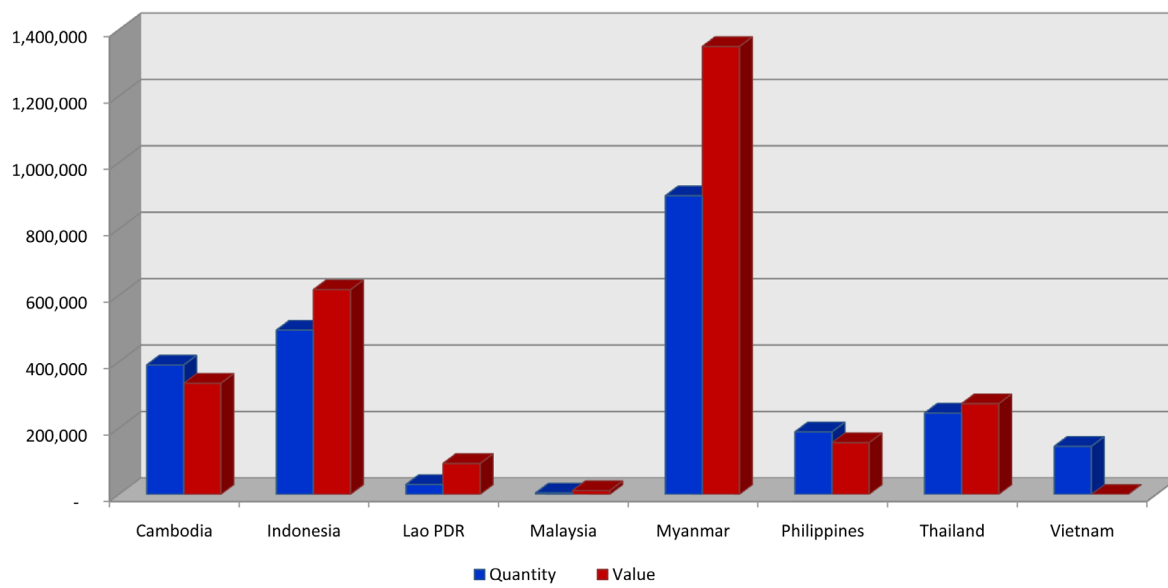
Country Species	Total	Ratio (%)	Brunei Darussalam	Cambodia	Indonesia	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
1.Misc.fish	4,830,892	34.16	492	55,460	402,417	373,982	1,867,510	16,243	460	542,228	1,572,100
2.Scad nei	582,053	4.12	239	...	330,690	...	...	251,072	53	...	...
3.Skipjack tuna	564,338	3.99	80	...	300,740	4,460	...	251,524	2	7,532	...
4.Sardinellas nei	564,279	3.99	0.2	...	...	...	...	467,853	...	96,426	...
5.Aquatic invertebrates nei	400,118	2.83	...	...	260	...	...	...	...	958	398,900
6.Stolephorus anchovies	310,024	2.19	0.3	...	207,450	20,732	...	81,842	...	...	...
7.Short mackerel	300,990	2.13	2	...	251,510	...	...	48,478	...	...	...
8.Other mackerels	297,952	2.11	...	...	...	185,463	...	...	46	112,443	...
9.Natantis decapods nei	294,708	2.08	...	7,060	93,140	60,982	...	5,982	244	...	127,300
10.Frigate tuna	287,538	2.03	...	...	135,200	...	...	152,338	...	...	...
11.Kawakawa	282,425	2.00	55.5	...	189,260	20,960	...	49,973	...	22,177	...
12.Yellowfin tuna	258,419	1.83	...	...	103,390	1,403	...	152,437	...	1,189	...
13.Common squids nei	257,067	1.82	35	...	67,750	56,176	...	61,112	64	71,930	...
14.Bigeye scad	184,700	1.31	84	...	9,270	47,109	...	107,335	...	20,902	...
15.Threadfin breams nei	175,023	1.24	20	...	47,970	39,722	...	47,238	27	40,046	...
16.Yellowstripe scad	171,681	1.21	...	...	153,490	18,191	...	...	...	...	...
17.Narrow-barred mackerel	145,541	1.03	...	...	128,250	...	...	17,192	...	...	...
18.Anchovies nei	144,056	1.02	...	...	...	...	...	...	...	144,056	...
19.Longtail tuna	140,634	0.99	47	...	98,920	27,561	...	...	...	14,106	...
20.Bali sardinella	139,010	0.98	...	...	139,010	...	...	...	...	...	...

#### (2) In value (US\$ 1,000)

Country Species	Total	Ratio (%)	Brunei Darussalam	Cambodia	Indonesia	Malaysia	Myanmar	Philippines	Singapore	Thailand
1.Misc.fish	3,503,184	33.63	1,093	61,006	38,381	123,509	3,081,391	35,501	1,049	151,586
2.Other mackerels	393,650	3.78	...	...	...	294,114	...	...	151	99,385
3.Common squids nei	387,376	3.72	35	...	30,890	125,328	...	88,462	388	142,273
4.Natantia decapods nei	354,161	3.40	...	24,710	82,069	245,061	...	...	2,321	...
5.Skipjack tuna	336,390	3.23	228	...	49,400	6,090	...	264,186	5	16,484
6.Scads nei	297,702	2.86	...	...	34,560	...	...	262,969	173	...
7.Yellowfin tuna	293,437	2.82	...	...	38,581	2,662	...	249,592	...	2,602
8.Sardinellas nei	268,891	2.58	0.4	...	...	...	...	232,967	...	35,924
9.Frigate tuna	237,449	2.28	0.1	...	51,159	...	...	186,290	...	...
10.Bigeyes scad	218,066	2.09	119	...	1,300	74,001	...	130,356	...	12,290
11.Kawakawa	197,504	1.90	155	...	97,100	28,621	...	55,052	...	16,576
12.Threadfin breams nei	187,459	1.80	71	...	10,399	67,248	...	70,196	162	39,383
13.Stolephorus anchovies	179,509	1.72	...	...	84,201	23,841	...	71,467	...	...
14.Short mackerel	148,008	1.42	...	...	91,360	...	...	56,642	...	...
15.Banana prawn	143,693	1.38	...	...	73,640	...	...	...	...	69,975
16.Blue swimming crab	141,312	1.36	5	...	9,160	...	...	58,592	...	73,555
17.Indian scad	133,439	1.28	338	...	...	110,569	...	...	...	22,532
18.Indian mackerel	129,682	1.24	626	...	1,210	...	...	100,215	...	27,631
19.Penaeus shrimps nei	111,639	1.07	144	...	...	...	...	71,593	...	39,902
20.Metapenaeus shrimps nei	98,829	0.95	200	...	61,030	...	...	4,216	...	33,383

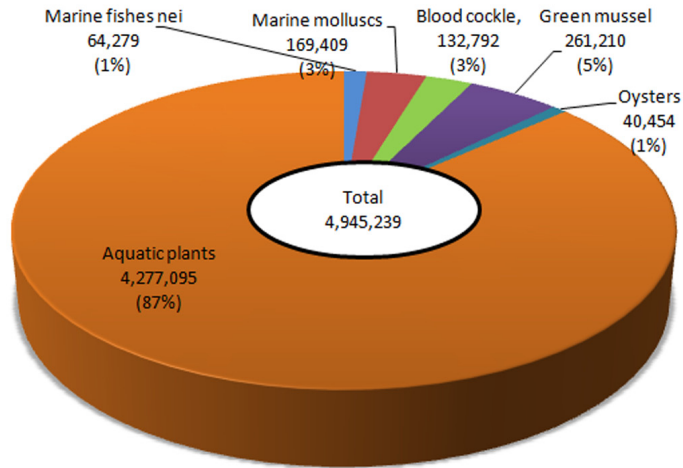
### 9. Inland Fishery Production in Quantity and Value by Country

Quantity : MT  
Value : US\$ 1,000

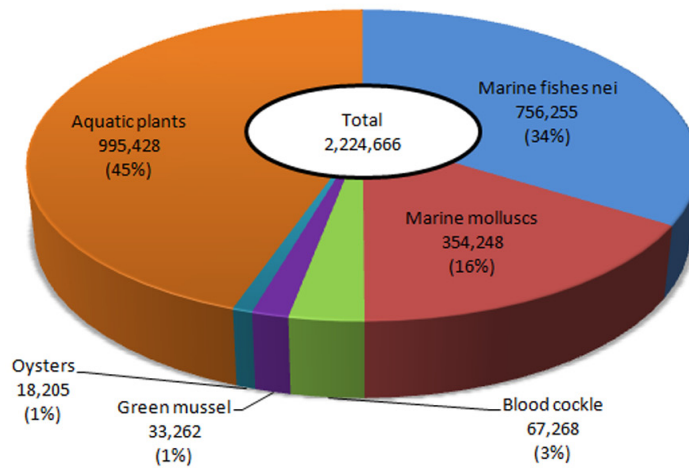


### 10. Aquaculture 10.1 Mariculture Production: 2009

(1) In quantity (MT)

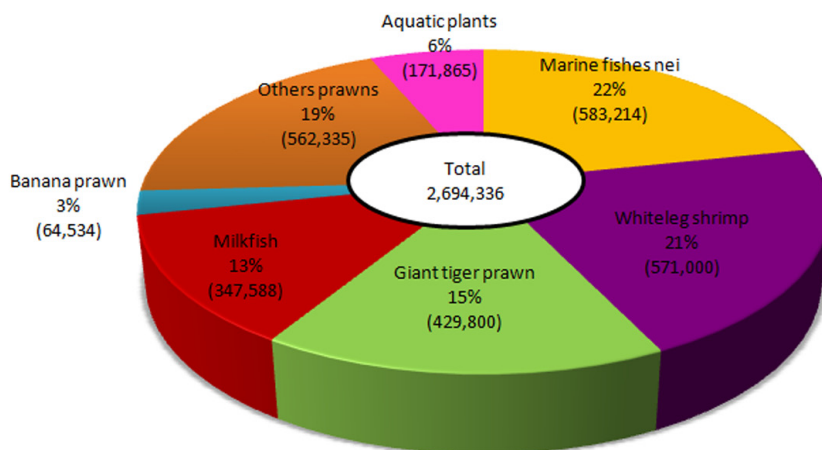


(2) In value (US\$ 1,000)

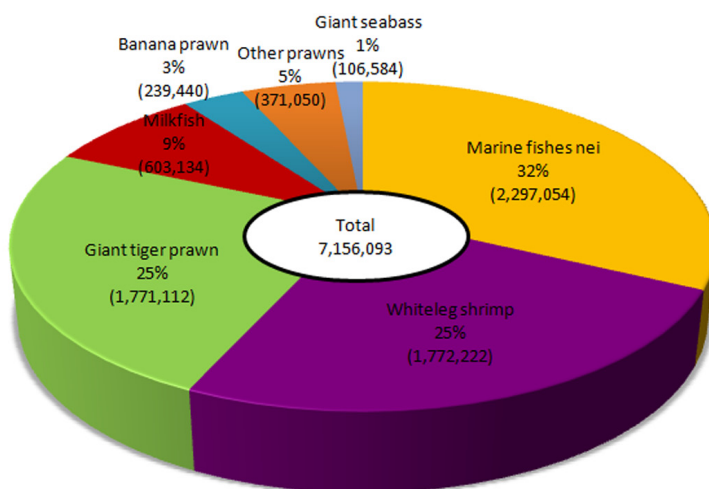


## 10.2 Brackishwater Production: 2009

(1) In quantity (MT)

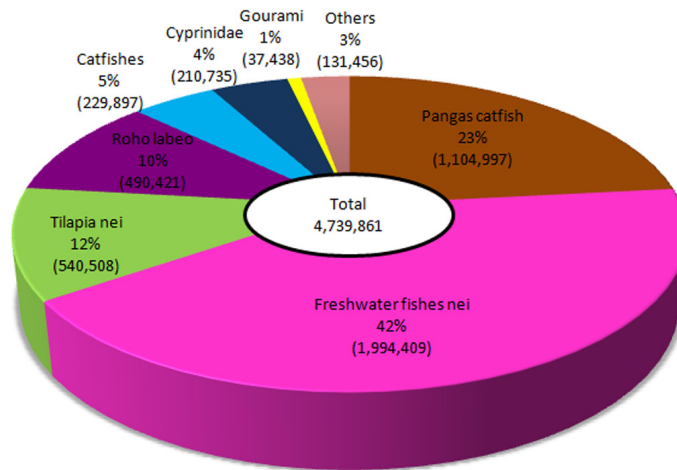


(2) In value (US\$ 1,000)

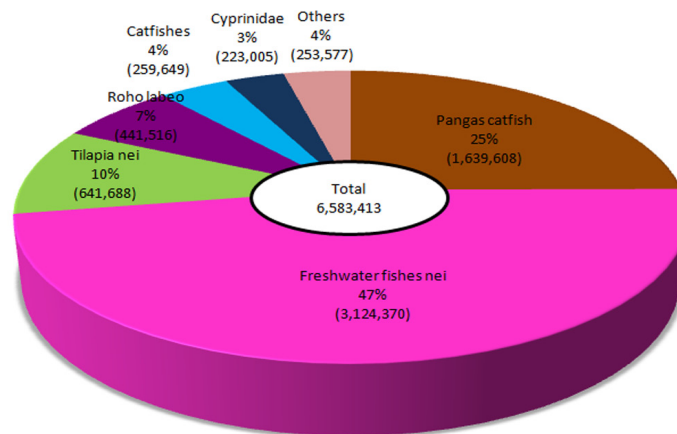


### 10.3 Freshwater Culture Production: 2009

(1) In quantity (MT)

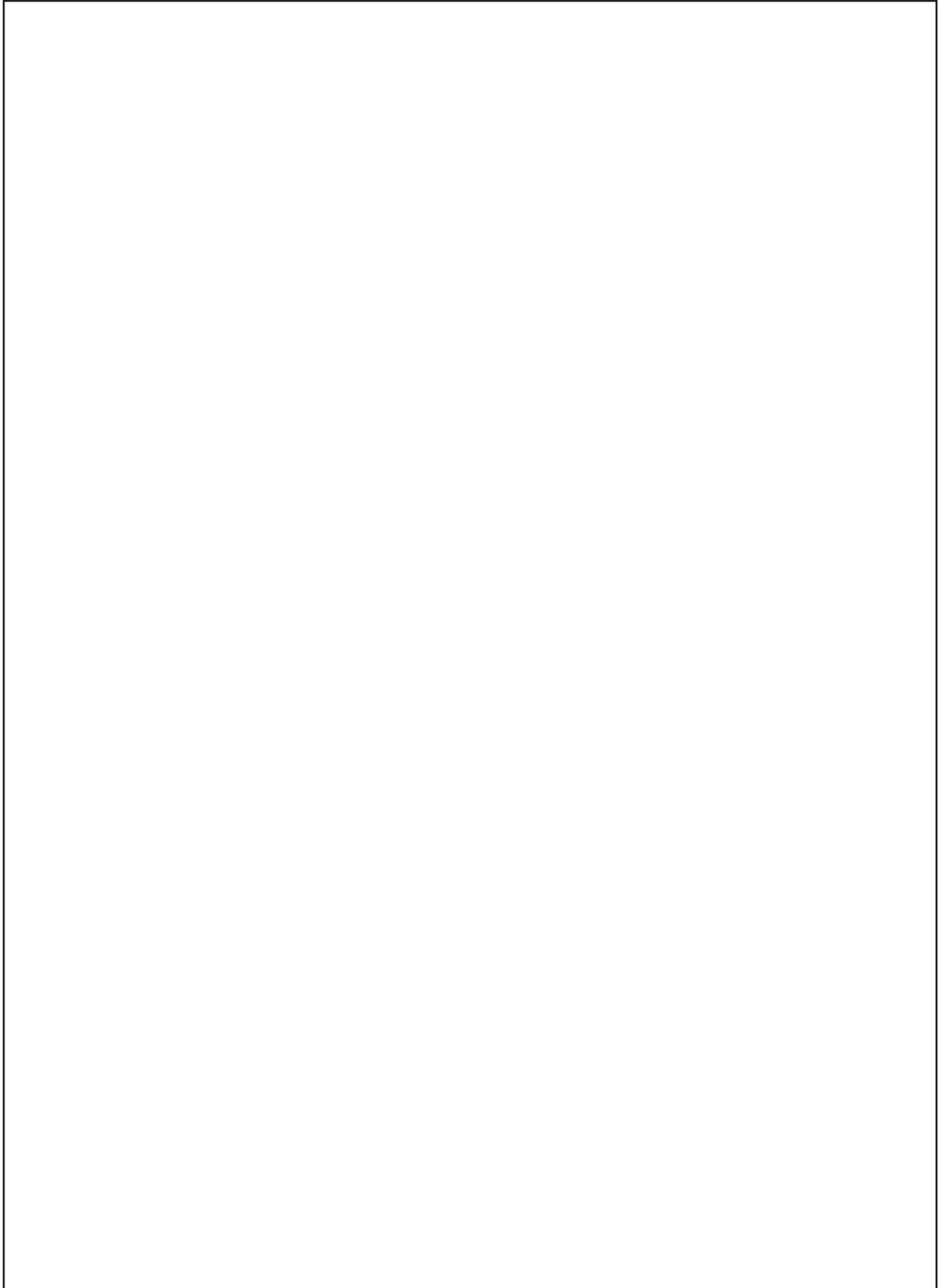


(2) In value (US\$ 1,000)



**III**  
**STATISTICAL TABLES 2009**





## 1. ANNUAL SERIES OF FISHERY PRODUCTION

## 1.1 Total Production

## 1.1.1 In Quantity

MT

Country		2005	2006	2007	2008	2009
Total	0	22,988,103	24,501,767	25,302,870	27,207,826	28,917,096
Brunei Darussalam	1	3,422	2,989	3,225	2,747	2,418
Cambodia	2	546,000	661,542	525,100	536,320	515,000
Indonesia	3	6,646,965	7,183,586	7,510,767	9,054,873	10,064,140
Lao PDR	4	107,800	107,800	91,660	93,500	105,000
Malaysia	5	1,402,404	1,596,051	1,654,221	1,639,017	1,729,002
Myanmar	6	2,581,780	2,817,990	2,808,037	3,147,605	3,491,103
Philippines	7	4,161,869	4,412,158	4,710,952	4,964,703	5,084,674
Singapore	8	7,837	11,675	8,026	5,141	5,687
Thailand	9	4,132,826	4,051,824	3,675,382	3,204,200	3,137,672
Vietnam	10	3,397,200	3,656,152	4,315,500	4,559,720	4,782,400

## 1.1.2 In Value

US\$ 1,000

Country		2005	2006	2007	2008	2009
Total	0	16,427,401	15,476,118	24,234,354	28,585,816	29,215,311
Brunei Darussalam	1	10,442	9,998	11,061	9,477	5,947
Cambodia	2	...	...	58,038	317,290	533,528
Indonesia	3	6,218,941	6,712,275	7,683,427	9,700,810	7,493,133
Lao PDR	4	...	...	296,962	331,475	204,969
Malaysia	5	1,497,406	1,706,864	1,855,326	2,163,885	2,599,980
Myanmar	6	...	...	1,862,403	3,156,405	5,283,701
Philippines	7	2,657,342	3,184,066	3,912,137	4,675,417	4,266,944
Singapore	8	16,071	20,945	23,319	17,822	19,243
Thailand	9	3,081,549	3,841,970	3,986,931	3,595,535	3,940,087
Vietnam	10	2,945,650	...	4,544,750	4,617,700	4,867,779

## 1.2 Marine Fishery Production

### 1.2.1 In Quantity

MT

Country		2005	2006	2007	2008	2009
Total	0	13,587,280	13,938,637	14,056,983	13,814,368	14,140,387
Brunei Darussalam	1	2709	2279	2551	2357	1,958
Cambodia	2	60,000	60,500	54,900	66,000	75,000
Indonesia	3	4,408,499	4,512,191	4,734,280	4,701,933	4,789,410
Lao PDR	4	...	...	...	...	...
Malaysia	5	1,209,601	1,379,859	1,381,424	1,394,531	1,391,088
Myanmar	6	1,375,670	1,525,000	1,485,740	1,679,010	1,867,510
Philippines	7	2,122,216	2,154,802	2,327,815	2,377,514	2,418,838
Singapore	8	1,920	3,103	3,522	1,623	2,121
Thailand	9	2,615,565	2,484,803	2,079,351	1,644,800	1,496,162
Vietnam	10	1,791,100	1,816,100	1,987,400	1,946,600	2,098,300

### 1.2.2 In Value

US\$ 1,000

Country		2005	2006	2007	2008	2009
Total	0	8,104,269	9,100,292	10,422,912	12,338,215	10,416,661
Brunei Darussalam	1	10,442	9,018	10,117	9,085	5,289
Cambodia	2	...	...	...	...	110,729
Indonesia	3	3,726,394	4,106,402	4,867,641	4,957,293	1,686,971
Lao PDR	4	...	...	...	...	...
Malaysia	5	1,147,093	1,346,434	1,493,332	1,690,715	1,887,588
Myanmar	6	...	...	...	1,585,514	3,081,391
Philippines	7	1,680,729	1,997,578	2,451,954	2,810,871	2,390,076
Singapore	8	6,100	11,468	14,269	8,560	10,450
Thailand	9	1,533,511	1,629,392	1,585,599	1,276,177	1,244,167
Vietnam	10	...	...	...	...	...

### 1.3 Inland Fishery Production

#### 1.3.1 In Quantity

		MT				
Country		2005	2006	2007	2008	2009
Total	0	1,888,289	2,136,943	2,008,301	2,329,524	2,397,273
Brunei Darussalam	1	10	10	...	...	...
Cambodia	2	444,000	559,642	420,000	430,600	390,000
Indonesia	3	297,370	293,921	310,457	497,740	494,630
Lao PDR	4	29,800	29,800	28,410	29,200	30,000
Malaysia	5	4,583	4,164	4,283	4,353	4,469
Myanmar	6	631,120	718,000	717,640	814,740	899,430
Philippines	7	143,806	165,081	168,311	179,491	188,444
Singapore	8	...	...	...	...	...
Thailand	9	198,800	214,000	225,600	228,600	245,500
Vietnam	10	138,800	152,325	133,600	144,800	144,800

#### 1.3.2 In Value

		US\$ 1,000				
Country		2005	2006	2007	2008	2009
Total	0	611,950	596,877	985,172	2,215,437	2,834,477
Brunei Darussalam	1	...	...	...	...	...
Cambodia	2	...	...	...	255,500	334,845
Indonesia	3	323,827	264,372	368,247	521,019	616,640
Lao PDR	4	...	...	215,708	240,334	93,168
Malaysia	5	9,187	8,455	9,013	10,290	11,482
Myanmar	6	...	...	...	788,325	1,349,145
Philippines	7	84,077	101,477	125,464	145,912	155,907
Singapore	8	...	...	...	...	..
Thailand	9	194,859	222,573	266,740	254,057	273,290
Vietnam	10	...	...	...	...	...

## 1.4 Aquaculture Production

### 1.4.1 In Quantity

		MT				
Country		2005	2006	2007	2008	2009
Total	0	7,512,534	8,426,187	9,237,586	11,063,934	12,379,436
Brunei Darussalam	1	703	700	674	390	460
Cambodia	2	42,000	41,400	50,200	39,720	50,000
Indonesia	3	1,941,096	2,377,474	2,466,030	3,855,200	4,780,100
Lao PDR	4	78,000	78,000	63,250	64,300	75,000
Malaysia	5	188,220	212,028	268,514	240,133	333,445
Myanmar	6	574,990	574,990	604,657	653,855	724,163
Philippines	7	1,895,847	2,092,275	2,214,826	2,407,698	2,477,392
Singapore	8	5,917	8,572	4,504	3,518	3,566
Thailand	9	1,318,461	1,353,021	1,370,431	1,330,800	1,396,010
Vietnam	10	1,467,300	1,687,727	2,194,500	2,468,320	2,539,300

### 1.4.2 In Value

		US\$ 1,000				
Country		2005	2006	2007	2008	2009
Total	0	7,711,182	5,778,949	12,826,273	14,032,164	15,964,173
Brunei Darussalam	1	...	980	944	392	658
Cambodia	2	...	...	58,038	61,790	87,954
Indonesia	3	2,168,720	2,341,501	2,447,539	4,222,498	5,189,522
Lao PDR	4	...	...	81,255	91,141	111,801
Malaysia	5	341,126	351,975	352,981	462,880	700,910
Myanmar	6	...	...	1,862,403	782,566	853,165
Philippines	7	892,536	1,085,011	1,334,719	1,718,634	1,720,961
Singapore	8	9,971	9,477	9,052	9,262	8,793
Thailand	9	1,353,179	1,990,005	2,134,592	2,065,301	2,422,630
Vietnam	10	2,945,650	...	4,544,750	4,617,700	4,867,779



## 2. FISHERY PRODUCTION BY SUB-SECTOR

### 2.1 In Quantiy

MT

Country	Year	Total	Marine capture fishery	Inland capture fishery	
Total	0	2009	28,917,096	14,140,387	2,397,273
Brunei Darussalam	1	2009	2,418	1,958	...
Cambodia	2	2009	515,000	75,000	390,000
Indonesia	3	2009	10,064,140	4,789,410	494,630
Lao PDR	4	2009	105,000	...	30,000
Malaysia	5	2009	1,729,002	1,391,088	4,469
Myanmar	6	2009	3,491,103	1,867,510	899,430
Philippines	7	2009	5,084,674	2,418,838	188,444
Singapore	8	2009	5,687	2,121	...
Thailand	9	2009	3,137,672	1,496,162	245,500
Vietnam	10	2009	4,782,400	2,098,300	144,800

### 2.1 In Quantiy (Cont'd)

MT

Country	Aquaculture				
	Sub-total	Mari-culture	Brackish-water culture	Fresh-water culture	
Total	0	12,379,436	4,945,239	2,694,336	4,739,861
Brunei Darussalam	1	460	72	354	34
Cambodia	2	50,000	4,925	75	45,000
Indonesia	3	4,780,100	2,537,100	1,080,700	1,162,300
Lao PDR	4	75,000	...	...	75,000
Malaysia	5	333,445	...	189,000	144,445
Myanmar	6	724,163	50,464	2,926	670,773
Philippines	7	2,477,392	1,860,462	308,440	308,490
Singapore	8	3,566	3,286	...	280
Thailand	9	1,396,010	316,927	558,444	520,639
Vietnam	10	2,539,300	172,003	554,397	1,812,900

## 2.2 In Value

US\$ 1,000

Country	Year	Total	Marine capture fishery	Inland capture fishery	
Total	0	2009	29,215,311	10,416,661	2,834,477
Brunei Darussalam	1	2009	5,947	5,289	...
Cambodia	2	2009	533,528	110,729	334,845
Indonesia	3	2009	7,493,133	1,686,971	616,640
Lao PDR	4	2009	204,969	...	93,168
Malaysia	5	2009	2,599,980	1,887,588	11,482
Myanmar	6	2009	5,283,701	3,081,391	1,349,145
Philippines	7	2009	4,266,944	2,390,076	155,907
Singapore	8	2009	19,243	10,450	...
Thailand	9	2009	3,940,087	1,244,167	273,290
Vietnam	10	2009	4,867,779	...	...

## 2.2 In Value (cont'd)

US\$ 1,000

Country	Aquaculture				
	Sub-total	Mari-culture	Brackish-water culture	Fresh-water culture	
Total	0	15,964,173	2,224,666	7,156,093	6,583,413
Brunei Darussalam	1	658	...	658	...
Cambodia	2	87,954	19,700	754	67,500
Indonesia	3	5,189,522	1,297,568	2,156,102	1,735,852
Lao PDR	4	111,801	...	...	111,801
Malaysia	5	700,910	40,195	409,412	251,304
Myanmar	6	853,165	208,905	...	644,260
Philippines	7	1,720,961	404,910	897,093	418,956
Singapore	8	8,793	7,551	...	1,242
Thailand	9	2,422,630	71,837	1,717,645	633,148
Vietnam	10	4,867,779	174,000	1,974,429	2,719,350



### 3. MARINE FISHERY STATISTICS

#### 3.1 Number of Fishing Boats by Type and Tonnage

Country, Sub-area	Year	Total	Non-powered boat			
				Sub-total	Out-board powered boat	
Brunei Darussalam	1	2009	2,750	135	2,615	2,577
Brunei Muara	2	2009	1,802	61	1,741	1,703
Tutong	3	2009	324	17	307	307
Kuala belait	4	2009	359	57	302	302
Temburong	5	2009	265	...	265	265
Cambodia	6	2009	108,145	61,718	46,427	...
Indonesia	7	2009	596,230	205,460	390,770	233,530
West Sumatra	8	2009	43,360	20,328	23,032	13,266
South Jawa	9	2009	24,034	4,614	19,420	14,490
Malaka Strait	10	2009	37,179	7,784	29,395	2,375
East Sumatra	11	2009	61,025	17,604	43,421	12,409
North Jawa	12	2009	88,168	6,521	81,647	65,740
Bali,Nusatenggara,Timor	13	2009	63,692	28,850	34,842	25,725
South/West Kalimantan	14	2009	29,742	8,111	21,631	7,295
East Kalimantan	15	2009	40,403	5,994	34,409	13,029
South Sulawesi	16	2009	78,391	27,192	51,199	33,652
North Sulawesi	17	2009	51,278	18,690	32,588	30,957
Maluku - Papua	18	2009	78,958	59,772	19,186	14,592
Malaysia	19	2009	48,745	2,998	45,747	27,857
West Coast of Peninsular	20	2009	21,604	101	21,503	13,647
East Coast of Peninsular	21	2009	8,894	8	8,886	4,623
Sabah	22	2009	11,906	2,886	9,020	6,134
Sarawak	23	2009	6,054	3	6,051	3,187
Labuan	24	2009	287	0	287	266
Myanmar	25	2009	30,428	14,645	15,783	14,025
Taninthayi	26	2009	12,642	3,755	8,887	8,297
Mon	27	2009	1,904	224	1,680	1,344
Yangon	28	2009	68	0	68	68
Rakhine	29	2009	13,856	10,384	3,472	3,322
Ayeyarwady	30	2009	1,958	282	1,676	994
Philippines	31	2009	...	...	...	...
Singapore	32	2009	133	0	133	130
Thailand	33	2009	16,891	0	16,891	0
Gulf of Thailand	34	2009	13,114	0	13,114	0
Indian Ocean	35	2009	3,777	0	3,777	0
Vietnam A	36	2009	24,990	...	...	...

Notes: A Figures from General Statistics Office of Vietnam Website

With powered boat								
In-board powered boat								
Sub-total	< 5 tons	5-9.9 tons	10-19.9 tons	20-49.9 tons	50-99.9 tons	100-199.9 tons	200-499.9 tons	> 500 tons
38	...	...	...	...	38	...	...	...
38	...	...	...	...	38	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
46,427	37,338 A		8,488 B		601 C			
157,240	109,590	30,400	8,567	5,373	1,225	895	685	505
9,766	6,772	2,065	340	335	127	77	41	9
4,930	1,629	1,630	1,029	544	41	30	21	6
27,020	21,162	3,653	1,055	678	159	168	118	27
31,012	24,517	4,172	1,449	608	153	62	30	21
15,907	4,866	5,811	1,609	1,983	546	419	351	322
9,117	5,977	2,046	454	428	41	71	65	35
14,336	10,680	2,849	621	147	9	3	15	12
21,380	18,250	2,571	551	2	0	0	6	0
17,547	13,295	3,411	575	257	9	0	0	0
1,631	759	482	154	39	65	38	32	62
4,594	1,683	1,710	730	352	75	27	6	11
17,890	3,190	5,035	2,040	1,334	1,252	2,012	1,844	1,183
7,856	698	2,953	735	629	575	959	946	361
4,263	736	829	675	340	216	420	549	498
2,886	710	681	315	268	364	452	73	23
2,864	1,046	572	315	97	97	181	273	283
21	0	0	0	0	0	0	3	18
1,758	0	65	177	415	546	550	5	0
590	0	0	8	94	284	204	0	0
336	0	33	72	45	90	94	2	0
0	0	0	0	0	0	0	0	0
150	0	0	0	10	53	85	2	0
682	0	32	97	266	119	167	1	0
...	...	...	...	...	...	...	...	...
3	0	1	1	1	0	0	0	0
16,891	5,873	2,548	2,442	3,539	2,124	349	12	4
13,114	4,314	1,682	2,132	2,978	1,683	311	10	4
3,777	1,559	866	310	561	441	48	2	0
...	...	...	...	...	...	...	...	...

Notes: A In-board powered boat ranges <5-9.9 tons  
B In-board powered boat ranges 10-49.9 tons  
C In-board powered boat ranges 50->500 tons







### 3.2 Number of Fishing Units by Size of Boat

#### 3.2.4 Malaysia (2009)

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat						
				Sub-total	Less than 5 tons	5-9.9 tons	10-19.9 tons	20-49.9 tons	50-99.9 tons	
All Purse Seines	1	1,253	0	2	1,251	45	58	109	203	836
Anchovy Purse Seine	2	129	0	0	129	17	4	22	14	72
Fish Purse Seine	3	1,124	0	2	1,122	28	54	87	189	764
All Seine Nets	4	736	4	54	678	5	617	56	0	0
Boat Seine	5	...	...	...	...	...	...	...	0	0
Beach Seine	6	...	...	...	...	...	...	...	0	0
All Trawls	7	6,110	0	0	6,110	69	340	1,348	2,399	1,954
Beam Trawl	8	...	0	0	...	...	...	...	...	...
Otter Board Trawl	9	...	0	0	...	...	...	...	...	...
Pair Trawl	10	...	0	0	...	...	...	...	...	...
Lift Nets	11	375	42	284	49	13	23	11	1	1
All Falling Nets	12	0	0	0	0	0	0	0	0	0
Anchovy Falling Net	13	0	0	0	0	0	0	0	0	0
Squid Falling Net	14	0	0	0	0	0	0	0	0	0
Gill Nets	15	30,764	1,362	23,105	6,297	2,189	2,834	1,016	195	63
All Traps	16	1,121	262	475	384	62	100	158	52	12
Stationary Trap	17	199	45	121	33	25	8	0	0	0
Portable Trap	18	922	217	354	351	37	92	158	52	12
Hooks & Lines	19	5,272	626	2,908	1,738	518	483	450	128	159
Push/Scoop Nets	20	19	0	0	19	1	3	15	0	0
Shellfish & seaweed collecting gear	21	294	107	87	100	44	53	1	2	0
Others	22	2,801	595	942	1,264	244	524	210	284	1

### 3.2 Number of Fishing Units by Size of Boat

#### 3.2.5 Myanmar (2009)

Type of Fishing Gear	Total	Non-powered boat	Out-board powered boat	In-board powered boat							
				Sub-total	5-9.9 tons	10-19.9 tons	20-49.9 tons	50-99.9 tons	100-199.9 tons	200-499.9 tons	
All Purse Seines	1	952	240	553	159	0	0	9	64	84	2
Anchovy Purse Seine	2	...	...	...	...	0	0	...	...	...	...
Fish Purse Seine	3	...	...	...	...	0	0	...	...	...	...
All Seine Nets	4	4,891	4,508	383	0	0	0	0	0	0	0
Boat Seine	5	...	...	...	0	0	0	0	0	0	0
Beach Seine	6	...	...	...	0	0	0	0	0	0	0
All Trawls	7	803	0	0	803	0	1	89	317	394	2
Beam Trawl	8	...	0	0	...	0	...	...	...	...	...
Otter Board Trawl	9	...	0	0	...	0	...	...	...	...	...
Pair Trawl	10	...	0	0	...	0	...	...	...	...	...
Lift Nets	11	294	254	40	0	0	0	0	0	0	0
All Falling Nets	12	793	0	274	519	30	89	248	85	66	1
Anchovy Falling Net	13	...	0	...	...	...	...	...	...	...	...
Squid Falling Net	14	...	0	...	...	...	...	...	...	...	...
Gill Nets	15	10,880	1,819	8,887	174	35	85	49	3	2	0
All Traps	16	9,458	7,470	1,988	0	0	0	0	0	0	0
Stationary Trap	17	...	...	...	0	0	0	0	0	0	0
Portable Trap	18	...	...	...	0	0	0	0	0	0	0
Hooks & Lines	19	1,577	354	1,221	2	0	2	0	0	0	0
Push/Scoop Nets	20	0	0	0	0	0	0	0	0	0	0
Shellfish & seaweed collecting gear	21	0	0	0	0	0	0	0	0	0	0
Others	22	780	0	679	101	0	0	20	77	4	0





### 3.2 Number of Fishing Units by Size of Boat 3.2.7 Thailand (2009)

Type of Fishing Gear	Total	In-board powered boat									
		Sub- total	< 5 tons	5-9.9 tons	10-19.9 tons	20-49.9 tons	50-99.9 tons	100-199.9 tons	200-499.9 tons	> 500 tons	
All Purse Seines	1	1,484	1,484	38	82	156	384	637	177	6	4
Anchovy Purse Seine	2	278	278	7	45	57	64	93	12	0	0
Fish Purse Seine	3	1,206	1,206	31	37	99	320	544	165	6	4
All Seine Nets	4	...	...	...	...	...	...	...	...	...	...
Boat Seines	5	...	...	...	...	...	...	...	...	...	...
Beach Seines	6	...	...	...	...	...	...	...	...	...	...
All Trawls	7	3,751	3,751	116	286	641	1,573	1,031	102	2	...
Beam Trawl	8	59	59	4	7	27	21	0	0	0	...
Otter Board Trawl	9	2,596	2,596	112	278	557	1,081	531	35	2	...
Pair Trawl	10	1,096	1,096	0	1	57	471	500	67	0	...
Lift Nets	11	433	433	282	27	45	62	15	2	...	...
All Falling Nets	12	3,320	3,320	483	549	1,074	1,024	183	7	...	...
Anchovy Falling Net	13	742	742	51	99	273	273	46	0	...	...
Squid Falling Net	14	2,578	2,578	432	450	801	751	137	7	...	...
Gill Nets	15	7,009	7,009	4,408	1,420	465	432	225	57	...	...
All Traps	16	...	...	...	...	...	...	...	...	...	...
Stationary Trap	17	...	...	...	...	...	...	...	...	...	...
Portable Trap	18	...	...	...	...	...	...	...	...	...	...
Hooks & Lines	19	39	39	13	8	2	6	6	2	...	...
Push/Scoop Nets	20	361	361	131	94	53	54	27	2	...	...
Shellfish & seaweed collecting gear	21	...	...	...	...	...	...	...	...	...	...
Others	22	494	494	402	82	6	4	...	...	...	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 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	1.69	...
<i>Tenualosa toli</i>	Toli shad	57	...	...
<i>Tenualosa toli</i>	Toli shad	71	0.26	...
<i>Pellona ditchela</i>	Indian pellona	57	...	...
<i>Pellona ditchela</i>	Indian pellona	71	...	...
<i>Lates calcarifer</i>	Barramundi (= Giant seaperch)	57	...	...
<i>Lates calcarifer</i>	Barramundi (= Giant seaperch)	71	0.49	...
<i>Chanos chanos</i>	Milkfish	71	...	...
<i>Psettodes erumei</i>	Indian halibut	57	...	...
<i>Psettodes erumei</i>	Indian halibut	71	9.43	...
Pleuronectiformes	Flatfishes nei	57	...	...
Pleuronectiformes	Flatfishes nei	71	...	...
<i>Cynoglossus</i> spp.	Tongue soles nei	57	...	...
<i>Cynoglossus</i> spp.	Tongue soles nei	71	...	...
<i>Harpadon nehereus</i>	Bombay-duck	57	...	...
<i>Harpadon nehereus</i>	Bombay-duck	71	0.002	...
<i>Saurida tumbil</i>	Greater lizardfish	57	...	...
<i>Saurida tumbil</i>	Greater lizardfish	71	0.86	...
<i>Saurida</i> spp.	Lizard fishes	57	...	...
<i>Saurida</i> spp.	Lizard fishes	71	...	...
<i>Arius</i> spp.	Sea catfishes	57	...	...
<i>Arius</i> spp.	Sea catfishes	71	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	57	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	71	0.13	...
Mugilidae	Mulletts nei	57	...	...
Mugilidae	Mulletts nei	71	5.93	...
<i>Caesio caeruleaurea</i>	Blue and gold fusilier	57	...	...
<i>Caesio caeruleaurea</i>	Blue and gold fusulier	71	...	...
<i>Caesio cunning</i>	Redbelly yellowtail fusilier	57	...	...
<i>Caesio cunning</i>	Redbelly yellowtail fusilier	71	0.49	...
<i>Caesio</i> spp.	Fusilier	57	...	...
<i>Caesio</i> spp.	Fusilier	71	0.57	...
<i>Epinephelus merra</i>	Honeycomb grouper	57	...	...
<i>Epinephelus merra</i>	Honeycomb grouper	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
1,040	...	2,252	...	...	...	...	...
4,990	...	790	...	1,127	...	...	...
1,690	...	...	...	...	...	...	...
3,440	...	...	...	...	...	...	...
...	...	9,753	...	...	...	...	...
...	...	2,548	...	1,313	...	...	...
12,510	...	168	...	...	...	47	...
63,850	...	1,262	...	807	25	7	...
...	...	...	...	306	...	...	...
8,130	...	...	...	...	...	1,208	...
12,400	...	...	...	...	...	1,002	...
7,040	...	1,958	...	...	...	...	...
1,360	...	1,001	...	920	...	...	...
...	...	2,734	...	...	...	2,334	...
...	...	1,198	...	...	...	1,993	...
1,590	...	661	...	...	...	...	...
6,370	...	2,440	...	...	...	...	...
5,040	...	...	...	...	...	...	...
15,870	...	...	...	...	...	...	...
...	...	12,049	...	...	...	13,100	...
...	...	13,643	...	7,525	7	15,081	...
18,970	...	6,078	...	...	...	2,246	...
80,140	...	10,359	...	6,094	89	1,097	...
...	...	1,514	...	...	...	58	...
...	...	1,134	...	...	...	103	...
12,770	...	1,375	...	...	...	2,937	...
34,450	...	2,064	...	12,763	37	3,567	...
1,180	...	...	...	...	...	...	...
6,250	...	...	...	...	...	...	...
6,370	...	...	...	...	...	...	...
50,690	...	...	...	...	...	...	...
...	...	740	...	...	...	...	...
...	...	62	...	20,540	3	...	...
3,440	...	...	...	...	...	...	...
5,330	...	...	...	...	...	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (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 nei	57	...	...
<i>Epinephelus</i> spp.	Groupers nei	71	12.08	...
<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	0.04	...
<i>Priacanthus macracanthus</i>	Red bigeye	57	...	...
<i>Priacanthus macracanthus</i>	Red bigeye	71	...	...
<i>Priacanthus</i> spp.	Bigeyes nei	57	...	...
<i>Priacanthus</i> spp.	Bigeyes nei	71	12.32	...
<i>Sillago sihama</i>	Silver sillago	57	...	...
<i>Sillago sihama</i>	Silver sillago	71	0.05	...
<i>Sillago</i> spp.	Sillago-whitings	57	...	...
<i>Sillago</i> spp.	Sillago-whitings	71	...	...
<i>Mene maculate</i>	Moonfish	71	...	...
Sciaenidae	Croakers, drums nei	57	...	...
Sciaenidae	Croakers, drum nei	71	14.69	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	57	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	71	0.61	...
<i>Lutjanus</i> spp.	Snappers nei	57	...	...
<i>Lutjanus</i> spp.	Snappers nei	71	23.11	...
Lutjanidae	Snappers, jobfishes nei	57	...	...
Lutjanidae	Snappers, jobfishes nei	71	2.96	...
Serranidae	Groupers, seabasses nei	57	...	...
Serranidae	Groupers, seabasses nei	71	...	...
<i>Pristipomoides</i> spp.	Sharptooth jobfishes	57	...	...
<i>Pristipomoides</i> spp.	Sharptooth jobfishes	71	13.52	...
<i>Nemipterus</i> spp.	Threadfin breams nei	57	...	...
<i>Nemipterus</i> spp.	Threadfin breams nei	71	19.92	...
<i>Scolopsis</i> spp.	Monocole breams	57	...	...
<i>Scolopsis</i> spp.	Monocole breams	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
1,040	...	...	...	...	...	...	...
6,560	...	...	...	...	...	...	...
...	...	1,440	...	...	...	...	...
...	...	7,331	...	...	45	...	...
11,160	...	...	...	...	...	...	...
20,660	...	...	...	...	...	...	...
3,160	...	...	...	...	...	...	...
3,490	...	...	...	...	...	...	...
1,770	...	...	...	...	...	...	...
8,900	...	...	...	...	...	...	...
100	...	...	...	...	...	...	...
150	...	...	...	...	...	...	...
6,440	...	2,980	...	...	...	12,491	...
14,560	...	15,687	...	...	...	19,694	...
...	...	...	...	...	...	...	...
590	...	...	...	...	...	...	...
...	...	702	...	...	...	...	...
...	...	1,001	...	15,061	16	2,017	...
...	...	...	...	16,753	22	1,997	...
16,480	...	17,710	...	...	...	13,590	...
50,500	...	9,680	...	...	44	13,380	...
...	...	1,083	...	...	...	...	...
...	...	8,098	...	...	...	...	...
19,110	...	597	...	...	...	...	...
93,740	...	3,781	...	...	129	...	...
...	...	1,062	...	...	...	1,509	...
...	...	4,421	...	19,666	33	976	...
...	...	...	...	...	...	1,946	...
...	...	...	...	18,578	...	1,832	...
1,350	...	...	...	...	...	...	...
1,260	...	...	...	...	...	...	...
10,090	...	12,493	...	...	...	14,976	...
37,880	...	27,229	...	47,238	27	25,070	...
...	...	235	...	...	...	...	...
...	...	1,881	...	...	...	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Leiognathus</i> spp.	Ponyfishes	57	18.54	...
<i>Leiognathus</i> spp.	Ponyfishes	71	...	...
<i>Pristis</i> spp.	Sweetlips	57	...	...
<i>Pristis</i> spp.	Sweetlips	71	...	...
<i>Pomadasys argenteus</i>	Silver grunt	57	...	...
<i>Pomadasys argenteus</i>	Silver grunt	71	3.35	...
<i>Pomadasys maculatus</i>	Saddle grunt	71	0.01	...
<i>Pomadasys</i> spp.	Grunts	71	3.95	...
Haemulidae (=Pomodasyidae)	Grunts, sweetlips nei	57	...	...
Haemulidae (=Pomodasyidae)	Grunts, sweetlips nei	71	0.18	...
Lethrinidae	Emperors (=Scavengers) nei	57	...	...
Lethrinidae	Emperors (=Scavengers) nei	71	0.73	...
Sparidae	Porgies, seabreams nei	71	0.31	...
<i>Parupeneus indicus</i>	Indian goatfish	57	...	...
<i>Parupeneus indicus</i>	Indian goatfish	71	...	...
Mullidae	Goatfishes, red mullet nei	71	...	...
<i>Upeneus sulphureus</i>	Sulphur goatfish	57	...	...
<i>Upeneus sulphureus</i>	Sulphur goatfish	71	13.88	...
<i>Upeneus vittatus</i>	Yellowstriped goatfish	57	...	...
<i>Upeneus vittatus</i>	Yellowstriped goatfish	71	...	...
<i>Upeneus</i> spp.	Goatfishes	57	...	...
<i>Upeneus</i> spp.	Goatfishes	71	0.98	...
<i>Gerres</i> spp.	Mojarras nei	57	...	...
<i>Gerres</i> spp.	Mojarras nei	71	0.69	...
<i>Drepane punctata</i>	Spotted sicklefish	57	...	...
<i>Drepane punctata</i>	Spotted sicklefish	71	2.48	...
<i>Cheilinius undulatus</i>	Humphead wrasse	57	...	...
<i>Cheilinius undulatus</i>	Humphead wrasse	71	...	...
Labridae	Wrasses, hogfishes, etc. nei	57	...	...
Labridae	Wrasses, hogfishes, etc. nei	71	0.05	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	57	...	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	71	...	...
Ambassidae	Glass fishes	71	...	...
Percoidei	Percoid nei	71	...	...
Polynemidae	Threadfins, Tasselfishes nei	57	...	...
Polynemidae	Threadfins, Tasselfishes nei	71	2.43	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
17,820	...	226	...	...	...	...	...
64,650	...	2,485	...	60,899	20	...	...
400	...	...	...	...	...	...	...
6,810	...	...	...	...	...	...	...
...	...	870	...	...	...	...	...
...	...	1,575	...	...	...	...	...
...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...
4,460	...	63	...	...	...	...	...
15,890	...	1,224	...	...	33	...	...
8,180	...	136	...	...	...	...	...
30,230	...	1,024	...	...	...	...	...
...	...	...	...	13,497	...	...	...
2,390	...	...	...	...	...	...	...
2,890	...	...	...	...	...	...	...
...	...	...	...	29,136	...	...	...
940	...	...	...	...	...	...	...
19,180	...	...	...	...	...	...	...
19,830	...	...	...	...	...	...	...
16,170	...	...	...	...	...	...	...
...	...	8,912	...	...	...	...	...
...	...	8,225	...	...	...	...	...
...	...	152	...	...	...	...	...
...	...	769	...	6,731	...	...	...
...	...	247	...	...	...	...	...
...	...	786	...	124	...	...	...
1,270	...	...	...	...	...	...	...
4,270	...	...	...	...	...	...	...
...	...	57	...	...	...	...	...
...	...	1,311	...	14,983	...	...	...
540	...	...	...	...	...	...	...
9,370	...	...	...	...	...	...	...
...	...	...	...	1,832	...	...	...
...	...	...	...	15,849	...	...	...
10,450	...	7,296	...	...	...	50	...
28,910	...	4,008	...	3,897	46	240	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Siganus</i> spp.	Spinefeet nei	57	...	...
<i>Siganus</i> spp.	Spinefeet nei	71	1.18	...
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	57	...	...
<i>Megalops cyprinoides</i>	Indo-Pacific tarpon	71	...	...
<i>Terapon</i> spp.	Terapon perches nei	57	...	...
<i>Terapon</i> spp.	Terapon perches nei	71	...	...
<i>Platax</i> spp.	Batfishes	71	...	...
<i>Muraenesox cinereus</i>	Daggertooth pike conger	57	...	...
<i>Muraenesox cinereus</i>	Daggertooth pike conger	71	0.55	...
<i>Trichiurus lepturus</i>	Largehead hairtail	57	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	71	0.25	...
<i>Trichiurus</i> spp.	Hairtail nei	57	...	...
<i>Trichiurus</i> spp.	Hairtail nei	71	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	57	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	71	159.66	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	57	...	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	71	28.87	...
<i>Sardinella lemuru</i>	Bali sardinella	57	...	...
<i>Sardinella lemuru</i>	Bali sardinella	71	...	...
<i>Sardinella</i> spp.	Sardinellas nei	57	...	...
<i>Sardinella</i> spp.	Sardinellas nei	71	0.20	...
<i>Dussunieria acuta</i>	Rainbow sardinella	57	...	...
<i>Dussunieria acuta</i>	Rainbow sardinella	71	101.28	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	57	...	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	71	0.35	...
<i>Chirocentrus</i> spp.	Wolf-herring nei	57	...	...
<i>Chirocentrus</i> spp.	Wolf-herring nei	71	0.68	...
<i>Auxis thazard</i>	Frigate tuna	57	...	...
<i>Auxis thazard</i>	Frigate tuna	71	0.03	...
<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	54.60	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	57	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	71	80.29	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
2,060	...	109	...	...	...	...	...
14,640	...	1,843	...	26,494	12	...	...
...	...	29	...	...	...	...	...
...	...	62	...	1,388	...	...	...
750	...	...	...	...	...	...	...
4,150	...	...	...	...	...	...	...
...	...	...	...	3,277	...	...	...
...	...	1,779	...	...	...	702	...
...	...	2,751	...	...	...	1,332	...
...	...	...	...	...	...	3,157	...
...	...	...	...	...	34	3,293	...
22,480	...	4,523	...	...	...	...	...
51,990	...	4,622	...	17,461	...	...	...
890	...	...	...	...	...	...	...
5,160	...	...	...	...	...	...	...
46,250	...	...	...	...	...	...	...
129,550	...	...	...	...	...	...	...
88,850	...	...	...	...	...	...	...
50,160	...	...	...	...	...	...	...
...	...	...	...	...	...	17,421	...
...	...	...	...	467,853	...	79,005	...
3,420	...	...	...	...	...	...	...
15,690	...	...	...	10,614	...	...	...
67,250	...	6,514	...	...	...	...	...
140,200	...	14,218	...	81,842	...	...	...
8,510	...	1,563	...	...	...	2,435	...
13,640	...	3,729	...	430	43	2,747	...
55,170	...	...	...	...	...	...	...
80,030	...	...	...	152,338	...	...	...
4,460	...	...	...	...	...	...	...
850	...	...	...	...	...	...	...
85,020	...	5,243	...	...	...	7,017	...
104,240	...	15,717	...	49,973	...	15,160	...
51,790	...	4,460	...	...	...	7,532	...
248,950	...	...	...	251,524	2	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Thunnus tonggol</i>	Longtail tuna	57	...	...
<i>Thunnus tonggol</i>	Longtail tuna	71	47.31	...
<i>Thunnus alalunga</i>	Albacore tuna	57	...	...
<i>Thunnus alalunga</i>	Albacore tuna	71	...	...
<i>Thunnus maccoyii</i>	Southern bluefin tuna	57	...	...
<i>Thunnus albacores</i>	Yellowfin tuna	57	...	...
<i>Thunnus albacores</i>	Yellowfin tuna	71	...	...
<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	0.22	...
Istiophoridae	Marlins, sailfishes, etc. nei	57	...	...
Istiophoridae	Marlins, sailfishes, etc. nei	71	...	...
<i>Makaira indica</i>	Black marlin	57	...	...
<i>Makaira indica</i>	Black marlin	71	...	...
<i>Makaira nigricans</i>	Atlantic blue marlin	57	...	...
<i>Makaira nigricans</i>	Atlantic blue marlin	71	...	...
<i>Tetrapturus audax</i>	Striped marlin	57	...	...
<i>Tetrapturus audax</i>	Striped marlin	71	...	...
<i>Xiphias gladius</i>	Swordfish	57	...	...
<i>Xiphias gladius</i>	Swordfish	71	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	57	...	...
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	71	9	...
<i>Scomberomorus guttatus</i>	Indo-pacific king mackerel	57	...	...
<i>Scomberomorus guttatus</i>	Indo-pacific king mackerel	71	1.59	...
<i>Scomberomorus</i> spp.	Seerfishes nei	57	...	...
<i>Scomberomorus</i> spp.	Seerfishes nei	71	7.62	...
<i>Sarda orientalis</i>	Striped bonito	57	...	...
<i>Sarda orientalis</i>	Striped bonito	71	...	...
Gobiidae	Gobies nei	71	...	...
Acanthuridae	Surgconfishes nei	71	...	...
Congridae	Conger eels, etc. nei	71	...	...
Atherinidae	Silversides (=Sand smells) nei	71	...	...
<i>Tylosurus</i> spp.	Needlefishes nei	57	...	...
<i>Tylosurus</i> spp.	Needlefishes nei	71	...	...
<i>Atule mate</i>	Yellow tail scad	71	9.90	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Hemiramphus</i> spp.	Halfbeaks nei	57	...	...
<i>Hemiramphus</i> spp.	Halfbeaks nei	71	...	...
<i>Lactarius lactarius</i>	False trevally	57	...	...
<i>Lactarius lactarius</i>	False trevally	71	24.99	...
<i>Rachycentron canadum</i>	Cobia	57	...	...
<i>Rachycentron canadum</i>	Cobia	71	0.09	...
<i>Decapterus russelli</i>	Indian scad	57	...	...
<i>Decapterus russelli</i>	Indian scad	71	...	...
<i>Decapterus</i> spp.	Scad nei	57	...	...
<i>Decapterus</i> spp.	Scad nei	71	238.57	...
<i>Alepes</i> spp.	Scads	71	21.73	...
<i>Scatophagus</i> spp.	Scats	71	...	...
Exocoetidae	Flying fishes nei	57	...	...
Exocoetidae	Flying fishes nei	71	...	...
<i>Caranx</i> spp.	Jack, crevalles nei	57	...	...
<i>Caranx</i> spp.	Jack, crevalles nei	71	23.70	...
Carangidae	Carangids nei	57	...	...
Carangidae	Carangids nei	71	1.79	...
<i>Selar crumenophthalmus</i>	Bigeye scad	57	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	71	84.02	...
<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	0.01	...
<i>Parastromateus niger</i>	Black pomfret	57	...	...
<i>Parastromateus niger</i>	Black pomfret	71	0.87	...
<i>Elagatis bipinnulata</i>	Rainbow runner	57	...	...
<i>Elagatis bipinnulata</i>	Rainbow runner	71	0.42	...
<i>Megalaspis cordyla</i>	Hardtail scad	57	...	...
<i>Megalaspis cordyla</i>	Hardtail scad	71	6.11	...
<i>Scomberoides</i> spp.	Queenfishes	57	...	...
<i>Scomberoides</i> spp.	Queenfishes	71	...	...
<i>Rhynchobatus australiae</i>	Whitespotted wedgefish	57	...	...
<i>Rhynchobatus australiae</i>	Whitespotted wedgefish	71	...	...
<i>Coryphaena hippurus</i>	Dolphinfish	57	...	...
<i>Coryphaena hippurus</i>	Dolphinfish	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
4,980	...	...	...	...	...	...	...
19,490	...	...	...	2,786	...	...	...
7,830	...	3	...	...	...	...	...
12,600	...	581	...	541	...	...	...
...	...	305	...	...	...	...	...
...	...	825	...	2,014	...	...	...
...	...	27,829	...	...	...	22,290	...
...	...	64,177	...	...	...	3,738	...
50,130	...	...	...	...	...	...	...
280,560	...	...	...	251,072	53	...	...
...	...	...	...	...	...	...	...
...	...	...	...	2,766	...	...	...
4,100	...	...	...	...	...	...	...
10,520	...	...	...	26,546	...	...	...
26,760	...	...	...	...	...	...	...
48,360	...	...	...	...	48	...	...
...	...	675	...	...	...	9,424	...
...	...	10,846	...	71,011	48	24,275	...
1,600	...	15,473	...	...	...	6,077	...
7,670	...	31,636	...	107,335	...	14,825	...
47,640	...	1,639	...	...	...	...	...
105,850	...	16,552	...	...	...	...	...
...	...	...	...	...	...	1,380	...
...	...	...	...	...	...	1,255	...
14,780	...	2,395	...	...	...	898	...
43,290	...	2,970	...	...	...	1,753	...
3,230	...	167	...	...	...	...	...
5,740	...	608	...	6,820	...	...	...
14,100	...	19,835	...	...	...	11,541	...
20,460	...	7,358	...	20,609	...	4,268	...
4,750	...	855	...	...	...	...	...
9,770	...	1,911	...	6,959	...	...	...
1,560	...	...	...	...	...	...	...
1,610	...	...	...	...	...	...	...
6,610	...	...	...	...	...	...	...
4,540	...	...	...	182	...	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Engraulidae	Anchovies, etc. nei	57	...	...
Engraulidae	Anchovies, etc. nei	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	1.85	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	57	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	71	176.59	...
<i>Rastrelliger</i> spp.	Other rastrelliger mackerels	57	...	...
<i>Rastrelliger</i> spp.	Other rastrelliger mackerels	71	...	...
<i>Pampus argenteus</i>	Silver pomfret	57	...	...
<i>Pampus argenteus</i>	Silver pomfret	71	0.63	...
<i>Sphyraena jello</i>	Pickhandle barracuda	57	...	...
<i>Sphyraena jello</i>	Pickhandle barracuda	71	0.87	...
<i>Sphyraena barracuda</i>	Great barracuda	57	...	...
<i>Sphyraena barracuda</i>	Great barracuda	71	...	...
<i>Sphyraena</i> spp.	Barracudas nei	57	...	...
<i>Sphyraena</i> spp.	Barracudas nei	71	16.07	...
<i>Alopias</i> spp.	Thresher shark nei	57	...	...
<i>Alopias</i> spp.	Thresher shark nei	71	...	...
<i>Sphyrna</i> spp.	Hammerhead sharks	57	...	...
<i>Sphyrna</i> spp.	Hammerhead sharks	71	...	...
<i>Squalus</i> spp.	Dogfish sharks	57	...	...
<i>Squalus</i> spp.	Dogfish sharks	71	...	...
<i>Dasyatis</i> spp.	Stings nei	57	...	...
<i>Dasyatis</i> spp.	Stings nei	71	...	...
Laminidae	Mackerel sharks nei	57	...	...
Laminidae	Mackerel sharks nei	71	...	...
Carcharhinidae	Requim sharks nei	57	...	...
Carcharhinidae	Requim sharks nei	71	14.52	...
Stromateidae	Butterfishes, pomfret nei	57	...	...
Stromateidae	Butterfishes, pomfret nei	71	...	...
Rajiformes	Rays, Stingrays, mantas nei	57	...	...
Rajiformes	Rays, Stingrays, mantas nei	71	55.71	...

							MT	
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	
...	...	...	...	...	...	23,870	...	
...	...	...	...	...	...	12,0186	...	
240	...	...	...	...	...	...	...	
270	...	...	...	...	...	...	...	
...	...	...	...	1,866	...	...	...	
80,810	...	...	...	...	...	...	...	
170,700	...	...	...	49,478	...	...	...	
1,200	...	...	...	...	...	16,731	...	
16,970	...	...	...	87,449	...	15,242	...	
...	...	157,450	...	...	...	27,025	...	
...	...	28,013	...	...	46	85,418	...	
14,940	...	2,303	...	...	...	678	...	
33,640	...	1,329	...	...	...	458	...	
...	...	...	...	...	...	...	...	
30	...	...	...	...	...	...	...	
4,490	...	...	...	...	...	...	...	
8,620	...	...	...	...	...	...	...	
...	...	1,578	...	...	...	5,481	...	
...	...	6,399	...	10,261	45	6,405	...	
6,230	...	...	...	...	...	...	...	
2,430	...	...	...	...	...	...	...	
1,410	...	...	...	...	...	...	...	
2,060	...	...	...	...	...	...	...	
2,150	...	...	...	...	...	...	...	
2,500	...	...	...	...	...	...	...	
11,600	...	...	...	...	...	...	...	
24,270	...	...	...	...	...	...	...	
140	...	...	...	...	...	...	...	
530	...	...	...	...	...	...	...	
2,550	...	...	...	...	...	...	...	
20,950	...	...	...	...	...	...	...	
...	...	1,769	...	...	...	...	...	
...	...	1,501	...	1,502	90	...	...	
...	...	4,633	...	...	...	3,141	...	
...	...	10,398	...	2,591	143	3,078	...	



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Myliobatis</i> spp.	Eagle rays	57	...	...
<i>Myliobatis</i> spp.	Eagle rays	71	...	...
<i>Mobula</i> spp.	Manta rays	57	...	...
<i>Mobula</i> spp.	Manta rays	71	...	...
Clupeoidei	Diadromous clupeoids nei	57	...	...
Clupeoidei	Diadromous clupeoids nei	71	...	...
Stomatopoda	Stomatopods nei	57	...	...
Stomatopoda	Stomatopods nei	71	...	...
Balistidae	Triggerfishes, durgons nei	57	...	...
Balistidae	Triggerfishes, durgons nei	71	1.55	...
Pristidae	Sawfishes	57	...	...
Osteichthyes	Marine fishes nei	57	...	...
Osteichthyes	Marine fishes nei	71	...	55,460
<i>Portunus pelagicus</i>	Blue swimming crab	57	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	71	1.13	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	57	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	71	0.66	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	57	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	71	0.31	...
Scyllaridae	Slipper lobsters nei	71	...	...
<i>Penaeus merguensis</i>	Banana prawn	57	...	...
<i>Penaeus merguensis</i>	Banana prawn	71	11.07	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	71	1.45	...
<i>Penaeus latisulcatus</i>	Western king prawn	57	...	...
<i>Penaeus latisulcatus</i>	Western king prawn	71	...	...
<i>Penaeus</i> spp.	Penaeus shrimp nei	57	...	...
<i>Penaeus</i> spp.	Penaeus shrimp nei	71	7.28	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	57	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	71	28.21	...
<i>Metapenaeus endeavouri</i>	Endeavour shrimp	71	...	...
Sergestidae	Sergestid shrimps nei	57	...	...
Sergestidae	Sergestid shrimps nei	71	17.81	...
<i>Crassostrea iredalei</i>	Slipper cupped oyster	71	...	...
<i>Crassostrea</i> spp.	Cupped oyster nei	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
1,010	...	...	...	...	...	...	...
2,500	...	...	...	...	...	...	...
170	...	...	...	...	...	...	...
5,110	...	...	...	...	...	...	...
...	...	4,818	...	...	...	...	...
...	...	32,120	...	592	1	...	...
...	...	...	...	...	...	1	...
...	...	...	...	...	...	847	...
...	...	332	...	...	...	...	...
...	...	1,626	...	...	...	...	...
10	...	...	...	...	...	...	...
77,510	...	207,485	1,867,510	...	...	197,202	...
324,907	...	166,497	...	16,243	460	345,026	1,572,100
4,180	...	...	...	...	...	7,343	...
36,200	...	...	...	30,020	...	16,186	...
4,530	...	...	...	...	...	534	...
24,410	...	...	...	1,221	32	1,207	...
3,050	...	80	...	...	...	...	...
8,450	...	725	...	211	6	...	...
...	...	...	...	82	5	...	...
23,610	...	...	...	...	...	3,095	...
52,020	...	...	...	...	...	6,937	...
8,270	...	...	...	...	...	1,011	...
19,850	...	...	...	949	...	2,120	...
...	...	...	...	...	...	1,398	...
...	...	...	...	...	...	1,506	...
...	...	...	...	...	...	4,165	...
...	...	...	...	14,551	...	13,511	...
16,330	...	...	...	...	...	2,203	...
19,670	...	...	...	9,657	...	6,154	...
...	...	...	...	1,105	...	...	...
...	...	26,014	...	...	...	151	...
...	...	3,250	...	15,249	...	7,137	...
...	...	...	...	85	...	...	...
333	...	...	...	...	...	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Modiolus</i> spp.	Horse mussels nei	71	...	...
<i>Perna viridis</i>	Green mussel	57	...	...
<i>Perna viridis</i>	Green mussel	71	...	...
Pectinidae	Scallops nei	57	...	...
Pectinidae	Scallops nei	71	...	...
<i>Anadara granosa</i>	Blood cockle	57	...	...
<i>Anadara granosa</i>	Blood cockle	71	...	...
<i>Meretrix</i> spp.	Hard clams nei	57	...	...
<i>Meretrix</i> spp.	Hard clams nei	71	...	...
Bivalvia	Clams, etc. nei	57	...	...
Bivalvia	Clams, etc. nei	71	...	...
Crustacea	Marine crustacea nei	57	...	...
Crustacea	Marine crustacea nei	71	...	...
Brachyura	Marine crab nei	57	...	...
Brachyura	Marine crab nei	71	...	5,013
Natantia	Natantian decapods nei	57	...	...
Natantia	Natantian decapods nei	71	...	7,060
<i>Sepia</i> spp.	Cuttlefish	57	...	...
<i>Sepia</i> spp.	Cuttlefish	71	16.27	...
<i>Loligo</i> spp.	Common squids nei	57	...	...
<i>Loligo</i> spp.	Common squids nei	71	34.95	...
<i>Octopus</i> spp.	Octopuses nei	57	...	...
<i>Octopus</i> spp.	Octopuses nei	71	...	...
<i>Sepioteuthis lessonlana</i>	Bigfin reef squid	57	...	...
<i>Sepioteuthis lessonlana</i>	Bigfin reef squid	71	...	...
Squidaea	Squidids nei	71	...	...
Mollusca	Marine molluscs nei	57	...	...
Mollusca	Marine molluscs nei	71	...	4,352
<i>Trochus niloticus</i>	Commercial top	71	...	...
<i>Haliotis</i> spp.	Abalones nei	71	...	...
<i>Holothurioidea</i>	Sea cucumber nei	57	...	...
Holothurioidea	Sea cucumber nei	71	0.12	...
<i>Rhopilema</i> spp.	Jellyfishes	57	...	...
<i>Rhopilema</i> spp.	Jellyfishes	71	...	...

							MT
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	...	...	...	...	1	...
260	...	...	...	...	...	...	...
260	...	...	...	29	...	...	...
10	...	...	...	...	...	...	...
1,930	...	...	...	43	...	172	...
29,720	...	...	...	...	...	...	...
21,250	...	...	...	1	...	1,388	...
8,240	...	...	...	...	...	...	...
10,640	...	...	...	...	...	...	...
...	...	23,019	...	...	...	...	...
...	...	727	...	317	...	...	...
1,010	...	...	...	...	...	...	...
2,010	...	...	...	...	...	...	...
...	...	6,509	...	...	...	2,982	...
...	...	5,646	...	...	88	2,188	...
30,310	...	38,146	...	...	...	...	...
62,830	...	22,836	...	5,982	244	...	127,300
6,040	...	11,179	...	...	...	8,469	...
17,310	...	11,320	...	1,674	33	13,899	...
16,390	...	26,403	...	...	...	14,057	...
51,360	...	29,773	...	61,112	64	57,873	...
660	...	1,325	...	...	...	3,238	...
8,920	...	1,136	...	4,987	...	4,536	...
...	...	...	...	...	...	4,719	...
...	...	...	...	...	...	6,024	...
...	...	...	...	2,588	...	...	...
720	...	...	...	...	...	1	...
2,340	...	...	...	...	...	4,680	...
180	...	...	...	...	...	...	...
...	...	...	...	202	...	...	...
470	...	...	...	...	...	...	...
3,280	...	...	...	934	...	...	...
80	...	571	...	...	...	27	...
2,270	...	3,442	...	17	...	2,980	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Testudinata	Marine turtle nei	57	...	...
Testudinata	Marine turtle nei	71	...	...
Cephalopoda	Cephalopods nei	57	...	...
Cephalopoda	Cephalopods nei	71	...	3,115
Invertebrata	Aquatic invertebrates nei	57	...	...
Invertebrata	Aquatic invertebrates nei	71	...	...
<i>Paphia</i> spp.	Short neck clams nei	57	...	...
<i>Paphia</i> spp.	Short neck clams nei	71	...	...
<i>Thenus orientalis</i>	Flathead lobster	57	...	...
<i>Thenus orientalis</i>	Flathead lobster	71	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	57	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	71	24.44	...
<i>Stromgylocentrotus</i> spp.	Sea urchins nei	71	...	...
Spongidae	Sponges	71	...	...
Rhodophyceae	Red seaweeds	71	...	...
<i>Ephippus orbis</i>	Orbfish	71	0.14	...
<i>Rhynchobatus djiddensis</i>	Giant guitarfish	71	0.50	...
<i>Rhina ancylostoma</i>	Bowmouth guitarfish	71	0.24	...
<i>Bohadschia argus</i>	Leopard fish	71	0.40	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	71	0.30	...
<i>Penaeus indicus</i>	Indian white prawn	71	13.02	...
<i>Alectis indicus</i>	Indian threadfish	71	0.13	...
<i>Gnathanoden speciosus</i>	Golden trevally	71	0.17	...
-	Others	71	459.27	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 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	3.59	...
<i>Tenualosa toli</i>	Toli shad	57	...	...
<i>Tenualosa toli</i>	Toli shad	71	0.55	...
<i>Lates calcarifer</i>	Barramundi (= Giant seaperch)	57	...	...
<i>Lates calcarifer</i>	Barramundi (= Giant seaperch)	71	2.42	...
<i>Psettodes erumei</i>	Indian halibut	57	...	...
<i>Psettodes erumei</i>	Indian halibut	71	33.45	...
Pleuronectiformes	Flatfishes nei	57	...	...
Pleuronectiformes	Flatfishes nei	71	...	...
<i>Cynoglossus</i> spp.	Tongue soles nei	57	...	...
<i>Cynoglossus</i> spp.	Tongue soles nei	71	...	...
<i>Harpadon nehereus</i>	Bombay-duck	57	...	...
<i>Harpadon nehereus</i>	Bombay-duck	71	0.001	...
<i>Saurida tumbil</i>	Greater lizardfish	57	...	...
<i>Saurida tumbil</i>	Greater lizardfish	71	0.30	...
Synodontidae	Lizardfishes nei	57	...	...
Synodontidae	Lizardfishes nei	71	...	...
<i>Arius</i> spp.	Sea catfishes	57	...	...
<i>Arius</i> spp.	Sea catfishes	71	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	57	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	71	...	...
Mugilidae	Mulletts nei	57	...	...
Mugilidae	Mulletts nei	71	4.21	...
<i>Caesio caeruleaurea</i>	Blue and gold fusilier	57	...	...
<i>Caesio caeruleaurea</i>	Blue and gold fusilier	71	0.36	...
<i>Caesio cunning</i>	Redbelly yellowtail fusilier	57	...	...
<i>Caesio cunning</i>	Redbelly yellowtail fusilier	71	2.78	...
<i>Caesionidae</i>	Fusiliers nei	57	...	...
<i>Caesionidae</i>	Fusiliers nei	71	...	...
<i>Epinephelus merra</i>	Honeycomb grouper	57	...	...
<i>Epinephelus merra</i>	Honeycomb grouper	71	2.01	...
<i>Epinephelus</i> spp.	Groupers nei	57	...	...
<i>Epinephelus</i> spp.	Groupers nei	71	68.55	...
<i>Cephalopholis boenak</i>	Chocolate grouper	57	...	...
<i>Cephalopholis boenak</i>	Chocolate grouper	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
103	...	1,646	...	...	...	...	...
496	...	577	...	...	...	...	...
543	...	8,304	...	...	...	...	...
1,106	...	2,169	...	...	...	...	...
3,555	...	598	...	...	...	...	...
18,145	...	4,494	...	...	...	193	...
2,554	...	...	...	...	...	...	...
3,896	...	...	...	...	...	2,757	...
8,867	...	3,641	...	...	...	...	...
1,713	...	1,862	...	...	...	...	...
...	...	3,885	...	...	...	...	...
...	...	1,702	...	...	...	4,599	...
368	...	545	...	...	...	...	...
1,472	...	2,012	...	...	...	...	...
1,058	...	...	...	...	...	...	...
3,332	...	...	...	...	...	...	...
...	...	5,989	...	...	...	...	...
...	...	6,782	...	...	7	19,998	...
3,191	...	6,831	...	...	...	...	...
13,479	...	11,642	...	...	156	4,275	...
...	...	4,011	...	...	...	...	...
...	...	3,004	...	...	...	392	...
2,783	...	2,029	...	...	...	...	...
7,507	...	3,046	...	13,482	142	8,953	...
75	...	...	...	...	...	...	...
395	...	...	...	...	...	...	...
522	...	...	...	...	...	...	...
4,158	...	...	...	...	...	...	...
...	...	104	...	...	...	...	...
...	...	1,236	...	25,513	9	...	...
2,373	...	...	...	...	...	...	...
3,677	...	...	...	...	...	...	...
...	...	6,922	...	...	...	...	...
...	...	35,240	...	...	296	...	...
9,501	...	...	...	...	...	...	...
17,589	..	...	...	...	...	...	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<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	0.20	...
<i>Epinephelus tauvina</i>	Greasy rockcod	57	...	...
<i>Epinephelus tauvina</i>	Greasy rockcod	71	...	...
<i>Pricanthus macracanthus</i>	Red bigeye	57	...	...
<i>Pricanthus macracanthus</i>	Red bigeye	71	...	...
<i>Pricanthus</i> spp.	Bigeyes nei	57	...	...
<i>Pricanthus</i> spp.	Bigeye nei	71	26.22	...
<i>Sillago sihama</i>	Silver sillago	71	0.07	...
<i>Sillago</i> spp.	Sillago-whittings	57	...	...
<i>Sillago</i> spp.	Sillago-whittings	71	...	...
Sciaenidae	Croakers, drums nei	57	...	...
Sciaenidae	Croakers, drums nei	71	41.67	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	57	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	71	4.30	...
<i>Lutjanus</i> spp.	Snappers nei	57	...	...
<i>Lutjanus</i> spp.	Snappers nei	71	163.90	...
Lutjanidae	Snappers, jobfishes nei	57	...	...
Lutjanidae	Snappers, jobfishes nei	71	20.98	...
Serranidae	Groupers, seabasses nei	71	...	...
<i>Pristipomoides</i> spp.	Sharptooth jobfishes	57	...	...
<i>Pristipomoides</i> spp.	Sharptooth jobfishes	71	95.89	...
<i>Nemipterus</i> spp.	Threadfin breams nei	57	...	...
<i>Nemipterus</i> spp.	Threadfin breams nei	71	70.64	...
<i>Scalopsis</i> spp.	Monocole breams	57	...	...
<i>Scalopsis</i> spp.	Monocole breams	71	...	...
<i>Leiognathus</i> spp.	Ponyfishes	57	...	...
<i>Leiognathus</i> spp.	Ponyfishes	71	26.30	...
<i>Pristis</i> spp.	Sweetlips	57	...	...
<i>Pristis</i> spp.	Sweetlips	71	...	...
<i>Mene maculata</i>	Moonfish	71	...	...
<i>Pomadasys argenteus</i>	Silver grunt	57	...	...
<i>Pomadasys argenteus</i>	Silver grunt	71	9.49	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
6,211	...	...	...	...	...	...	...
6,859	...	...	...	...	...	...	...
1,000	...	...	...	...	...	...	...
5,030	...	...	...	...	...	...	...
253	...	...	...	...	...	...	...
1,597	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...
1,377	...	2,065	...	...	...	...	...
3,113	...	10,871	...	...	...	15,612	...
424	...	...	...	...	...	...	...
...	...	1,100	...	...	...	...	...
...	...	1,569	...	...	46	4,305	...
3,216	...	21,729	...	...	...	...	...
9,854	...	11,877	...	...	64	23,009	...
...	...	4,527	...	...	...	...	...
...	...	33,847	...	...	...	...	...
6,205	...	1,354	...	...	...	...	...
30,435	...	8,576	...	...	744	...	...
...	...	2,636	...	...	...	...	...
...	...	10,975	...	35,032	107	7,684	...
...	...	...	...	54,013	...	13,380	...
683	...	...	...	...	...	...	...
637	...	...	...	...	...	...	...
2,187	...	21,150	...	...	...	...	...
8,212	...	46,098	...	70,196	162	39,383	...
...	...	261	...	...	...	...	...
...	...	2,089	...	...	...	...	...
2,431	...	190	...	...	...	...	...
8,819	...	2,093	...	52,757	58	...	...
11	...	...	...	...	...	...	...
189	...	...	...	...	...	...	...
...	...	...	...	...	74	...	...
...	...	2,440	...	...	...	...	...
...	...	4,416	...	...	...	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Haemulidae (=Pomodasyidae)	Grunts, sweetlips nei	57	...	...
Haemulidae (=Pomodasyidae)	Grunts, sweetlips nei	71	...	...
Lethrinidae	Emperors (=Scavengers) nei	57	...	...
Lethrinidae	Emperors (=Scavengers) nei	71	3.10	...
Sparidae	Porgies, seabreams nei	71	1.11	...
<i>Parupeneus indicus</i>	Indian goatfish	57	...	...
<i>Parupeneus indicus</i>	Indian goatfish	71	...	...
<i>Upeneus sulphureus</i>	Sulphur goatfish	57	...	...
<i>Upeneus sulphureus</i>	Sulphur goatfish	71	9.84	...
<i>Upeneus vittatus</i>	Yellowstriped goatfish	57	...	...
<i>Upeneus vittatus</i>	Yellowstriped goatfish	71	...	...
<i>Upeneus</i> spp.	Goatfishes	57	...	...
<i>Upeneus</i> spp.	Goatfishes	71	0.70	...
<i>Gerres</i> spp.	Mojarras nei	57	...	...
<i>Gerres</i> spp.	Mojarras nei	71	2.44	...
<i>Drepane punctata</i>	Spotted sicklefish	57	...	...
<i>Drepane punctata</i>	Spotted sicklefish	71	8.78	...
<i>Cheilinius undulatus</i>	Humphead wrasse	57	...	...
<i>Cheilinius undulatus</i>	Humphead wrasse	71	...	...
Labridae	Wrasses, hogfishes, etc. nei	57	...	...
Labridae	Wrasses, hogfishes, etc. nei	71	0.17	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	57	...	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	71	...	...
<i>Polynemus</i> spp.	Threadfins	57	...	...
<i>Polynemus</i> spp.	Threadfins	71	8.60	...
<i>Siganus</i> spp.	Spinefeet nei	57	...	...
<i>Siganus</i> spp.	Spinefeet nei	71	4.17	...
<i>Megalops cyprinoides</i>	Indo-pacific tarpon	57	...	...
<i>Megalops cyprinoides</i>	Indo-pacific tarpon	71	...	...
<i>Terapon</i> spp.	Terapon perches nei	57	...	...
<i>Terapon</i> spp.	Terapon perches nei	71	...	...
<i>Muraenesox cinereus</i>	Daggertooth pike conger	57	...	...
<i>Muraenesox cinereus</i>	Daggertooth pike conger	71	0.20	...
<i>Atule mate</i>	Yellow tail scad	71	35.10	...
<i>Alepes</i> spp.	Scads	71	77.04	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Trichiurus lepturus</i>	Largehead hairtail	57	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	71	0.18	...
<i>Trichiurus</i> spp.	Hairtail nei	57	...	...
<i>Trichiurus</i> spp.	Hairtail nei	71	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	57	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	71	339.70	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	57	...	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	71	61.41	...
<i>Sardinella lemuru</i>	Bali sardinella	57	...	...
<i>Sardinella lemuru</i>	Bali sardinella	71	...	...
<i>Sardinella</i> spp.	Sardinella nei	71	0.43	...
<i>Dussunieria acuta</i>	Rainbow sardinella	57	...	...
<i>Dussunieria acuta</i>	Rainbow sardinella	71	215.49	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	57	...	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	71	0.25	...
Engraulidae	Anchovies, etc. nei	71	...	...
<i>Chirocentru dorab</i>	Dorab wolf-herring	71	...	...
<i>Chirocentrus</i> spp.	Wolf-herring nei	57	...	...
<i>Chirocentrus</i> spp.	Wolf-herrinf nei	71	0.34	...
<i>Auxis thazard</i>	Frigate tuna	57	...	...
<i>Auxis thazard</i>	Frigate tuna	71	0.08	...
<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	154.88	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	57	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	71	227.76	...
<i>Thunnus tonggol</i>	Longtail tuna	57	...	...
<i>Thunnus tonggol</i>	Longtail tuna	71	134.22	...
<i>Thunnus alaunga</i>	Albacore tuna	57	...	...
<i>Thunnus alaunga</i>	Albacore tuna	71	...	...
<i>Thunnus maccoyii</i>	Southern bluefin tuna	57	...	...
<i>Thunnus albacores</i>	Yellowfin tuna	57	...	...
<i>Thunnus albacores</i>	Yellowfin tuna	71	...	...
<i>Thunnus obesus</i>	Bigeye tuna	57	...	...
<i>Thunnus obesus</i>	Bigeye tuna	71	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	4,602	...	...	...	...	...
...	...	4,703	...	...	75	7,367	...
5,277	...	...	...	...	...	...	...
12,203	...	...	...	20,040	...	...	...
18	...	...	...	...	...	...	...
102	...	...	...	...	...	...	...
5,817	...	...	...	...	...	...	...
16,293	...	...	...	...	...	...	...
23,515	...	...	...	...	...	...	...
13,275	...	...	...	...	...	...	...
...	...	...	...	232,967	...	35,924	...
294	...	...	...	...	...	...	...
1,347	...	...	...	10,488	...	...	...
27,296	...	7,491	...	...	...	...	...
56,905	...	16,350	...	71,467	...	...	...
...	...	...	...	...	...	39,893	...
...	...	...	...	...	...	...	...
3,607	...	3,665	...	...	...	...	...
5,782	...	8,745	...	...	234	5,878	...
20,876	...	...	...	...	...	...	...
30,283	...	...	...	186,290	...	...	...
5,543	...	...	...	...	...	...	...
1,056	...	...	...	...	...	...	...
43,620	...	7,159	...	...	...	...	...
53,480	...	21,462	...	55,052	...	16,576	...
8,507	...	6,090	...	...	...	...	...
40,893	...	...	...	264,186	5	16,481	...
5,562	...	21,531	...	...	...	...	...
22,698	...	21,583	...	...	...	13,281	...
4,922	...	297	...	...	...	...	...
14,988	...	...	...	...	...	53	...
990	...	...	...	...	...	...	...
9,083	...	1,241	...	...	...	...	...
29,498	...	1,421	...	249,592	...	2,602	...
6,008	...	2,925	...	...	...	...	...
14,102	...	...	...	12,201	...	5,386	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Istiophorus platypterus</i>	Indo-pacific sailfish	57	...	...
<i>Istiophorus platypterus</i>	Indo-pacific sailfish	71	0.47	...
Istiophoridae	Marlins, sailfishes, etc. nei	57	...	...
Istiophoridae	Marlins, sailfishes, etc. nei	71	...	...
<i>Makaira indica</i>	Black marlin	57	...	...
<i>Makaira indica</i>	Black marlin	71	...	...
<i>Makaira nigricans</i>	Atlantic blue marlin	57	...	...
<i>Makaira nigricans</i>	Atlantic blue marlin	71	...	...
<i>Tetrapturus audax</i>	Striped marlin	57	...	...
<i>Tetrapturus audax</i>	Striped marlin	71	...	...
<i>Xiphias gladius</i>	Swordfish	57	...	...
<i>Xiphias gladius</i>	Swordfish	71	...	...
<i>Scomberomorus commerson</i>	Narrow-barred spanish mackerel	57	...	...
<i>Scomberomorus commerson</i>	Narrow-barred spanish mackerel	71	38.28	...
<i>Scomberomorus guttatus</i>	Indo-pacific king mackerel	57	...	...
<i>Scomberomorus guttatus</i>	Indo-pacific king mackerel	71	4.51	...
<i>Scomberomorus</i> spp.	Seerfishes	57	...	...
<i>Scomberomorus</i> spp.	Seerfishes	71	21.62	...
<i>Sarda orientalis</i>	Striped bonito	57	...	...
<i>Sarda orientalis</i>	Striped bonito	71	...	...
<i>Tylosurus</i> spp.	Needlefishes nei	57	...	...
<i>Tylosurus</i> spp.	Needlefishes nei	71	...	...
<i>Hemiramphus</i> spp.	Halfbeaks nei	57	...	...
<i>Hemiramphus</i> spp.	Halfbeaks nei	71	...	...
<i>Lactarius lactarius</i>	False trevally	57	...	...
<i>Lactarius lactarius</i>	False trevally	71	88.62	...
<i>Rachycentron canadum</i>	Cobia	57	...	...
<i>Rachycentron canadum</i>	Cobia	71	0.13	...
<i>Decaptereus russelli</i>	Indian scad	57	...	...
<i>Decaptereus russelli</i>	Indian scad	71	...	...
<i>Decaptereus</i> spp.	Scad nei	57	...	...
<i>Decaptereus</i> spp.	Scad nei	71	338.40	...
Stromatopoda	Stomatopods	71	...	...
<i>Caranx</i> spp.	Jack, crevalles nei	57	...	...
<i>Caranx</i> spp.	Jack, crevalles nei	71	168.09	...
<i>Seriolina nigrofasciata</i>	Blackbanded trevelley	71	0.09	...





### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
Carangidae	Carangids nei	57	...	...
Carangidae	Carangids nei	71	12.66	...
<i>Selar crumenophthalmus</i>	Bigeye scad	57	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	71	119.18	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	57	...	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	71	...	...
<i>Parastromateus niger</i>	Black pomfret	57	...	...
<i>Parastromateus niger</i>	Black pomfret	71	4.95	...
<i>Elagatis bipinnulata</i>	Rainbow runner	57	...	...
<i>Elagatis bipinnulata</i>	Rainbow runner	71	0.90	...
<i>Megalaspis cordyla</i>	Hardtail scad	57	...	...
<i>Megalaspis cordyla</i>	Hardtail scad	71	17.33	...
<i>Scomberoides</i> spp.	Queenfishes	57	...	...
<i>Scomberoides</i> spp.	Queenfishes	71	...	...
<i>Coryphaena hippurus</i>	Dolphinfish	57	...	...
<i>Coryphaena hippurus</i>	Dolphinfish	71	...	...
<i>Scomber australasicus</i>	Spotted chub mackerel	57	...	...
<i>Scomber australasicus</i>	Spotted chub mackerel	71	...	...
<i>Rastrelliger brachysoma</i>	Short mackerel	57	...	...
<i>Rastrelliger brachysoma</i>	Short mackerel	71	6.54	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	57	...	...
<i>Restrelliger kanagurta</i>	Indian mackerel	71	626.21	...
<i>Rastrelliger</i> spp.	Other Rastrilliger mackerels	57	...	...
<i>Rastrelliger</i> spp.	Other Rastrilliger mackerels	71	...	...
<i>Pampus argenteus</i>	Silver pomfret	57	...	...
<i>Pampus argenteus</i>	Silver pomfret	71	11.12	...
<i>Sphyaena jello</i>	Pickandle barracuda	71	0.62	...
<i>Sphyaena barracuda</i>	Great barracuda	57	...	...
<i>Sphyaena barracuda</i>	Great barracuda	71	...	...
<i>Sphyaena</i> spp.	Barracudas nei	57	...	...
<i>Sphyaena</i> spp.	Barracudas nei	71	11.40	...
<i>Alopias</i> spp.	Thresher shark nei	57	...	...
<i>Alopias</i> spp.	Thresher shark nei	71	...	...
Exocoetidae	Flyingfishes nei	57	...	...
Exocoetidae	Flyingfishes nei	71	...	...
<i>Alectid indicus</i>	Indian Threadfish	71	0.89	...



### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Sphyrna</i> spp.	Hammerhead sharks	57	...	...
<i>Sphyrna</i> spp.	Hammerhead sharks	71	...	...
<i>Squalus</i> spp.	Dogfish sharks	57	...	...
<i>Squalus</i> spp.	Dogfish sharks	71	...	...
<i>Dasyatis</i> spp.	Stings nei	57	...	...
<i>Dasyatis</i> spp.	Stings nei	71	...	...
Lamnidae	Mackerel sharks nei	57	...	...
Lamnidae	Mackerel sharks nei	71	...	...
Carcharhinidae	Requim sharks nei	57	...	...
Carcharhinidae	Requim sharks nei	71	20.59	...
Stromateidae	Butterfishes, pomfrets nei	57	...	...
Stromateidae	Butterfishes, pomfrets nei	71	...	...
Rajiformes	Rays, stingrays, mantas nei	57	...	...
Rajiformes	Rays, stingrays, mantas nei	71	79.02	...
<i>Myliobatis</i> spp.	Eagle rays	57	...	...
<i>Myliobatis</i> spp.	Eagle rays	71	...	...
<i>Mobula</i> spp.	Manta rays	57	...	...
<i>Mobula</i> spp.	Manta rays	71	...	...
Clupeoidei	Diadromous clupeoids nei	57	...	...
Clupeoidei	Diadromous clupeoids nei	71	...	...
Balistidae	Trigglefishes, durgons nei	57	...	...
Balistidae	Trigglefishes, durgons nei	71	5.51	...
Pristidae	Sawfishes	57	...	...
Osteichthyes	Marine fishes nei	57	...	...
Osteichthyes	Marine fishes nei	71	...	61,006
<i>Portunus pelagicus</i>	Blue swimming crab	57	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	71	4.80	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	57	...	...
<i>Scylla serrata</i>	Indo-pacific swam crab	71	2.32	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	57	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	71	1.32	...
Scyllaridae	Slipper lobsters nei	71	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	71	225.33	...
<i>Penaeus merguensis</i>	Banana prawn	57	...	...
<i>Penaeus merguensis</i>	Banana prawn	71	78.52	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
475	...	...	...	...	...	...	...
695	...	...	...	...	...	...	...
712	...	...	...	...	...	...	...
828	...	...	...	...	...	...	...
3,399	...	...	...	...	...	...	...
7,111	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...
202	...	...	...	...	...	...	...
1,658	...	...	...	...	...	...	...
...	...	13,478	...	...	...	...	...
...	...	11,436	...	...	957	...	...
...	...	7,172	...	...	...	...	...
...	...	15,992	...	...	430	4,736	...
138	...	...	...	...	...	...	...
342	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...
39	...	...	...	...	...	...	...
...	...	3,708	...	...	...	...	...
...	...	27,173	...	...	...	...	...
...	...	530	...	...	...	...	...
...	...	2,596	...	...	...	...	...
20	...	...	...	...	...	...	...
9,668	...	64,576	3,081,391	...	...	...	...
38,381	...	50,412	...	35,501	1,049	151,586	...
948	...	...	...	...	...	...	...
8,212	...	...	...	58,592	...	73,555	...
1,520	...	...	...	...	...	...	...
8,190	...	...	...	...	266	4,881	...
3,931	...	534	...	...	...	...	...
10,889	...	4,844	...	...	112	...	...
...	...	...	...	...	56	...	...
...	...	...	...	...	...	25,016	...
22,989	...	...	...	...	...	...	...
50,651	...	...	...	...	...	69,975	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Penaeus monodon</i>	Giant tiger prawn	57	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	71	13.33	...
<i>Penaeus latisulcatus</i>	Western king prawn	71	...	...
<i>Penaeus</i> spp.	Penaeus shrimp nei	71	51.62	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	57	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	71	200.07	...
Sergestidae	Sergestid shrimps nei	57	...	...
Sergestidae	Sergestid shrimps nei	71	12.63	...
<i>Crassostrea</i> spp.	Cupped oyster nei	71	...	...
<i>Perna viridis</i>	Green mussel	57	...	...
<i>Perna viridis</i>	Green mussel	71	...	...
Pectinidae	Scallops nei	71	...	...
<i>Anadara granosa</i>	Blood cockle	57	...	...
<i>Anadara granosa</i>	Blood cockle	71	...	...
<i>Meretrix</i> spp.	Hard clams nei	57	...	...
<i>Meretrix</i> spp.	Hard clams nei	71	...	...
Bivalvia	Clams, etc. nei	57	...	...
Bivalvia	Clams, etc. nei	71	...	...
Crustacea	Marine crustaceans nei	57	...	...
Crustacea	MArine crustaceans nei	71	...	...
Brachyura	Marine crabs nei	57	...	...
Brachyura	Marine crabs nei	71	...	17,546
Natantia	Natantion decapods nei	57	...	...
Natantia	Natantian decapods nei	71	...	24,710
<i>Sepia</i> spp.	Common squids nei	57	...	...
<i>Sepia</i> spp.	Common squids nei	71	46.15	...
<i>Loligo</i> spp.	Common squids nei	57	...	...
<i>Loligo</i> spp.	Common squids nei	71	123.94	...
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	71	...	...
<i>Octopus</i> spp.	Octopuses nei	57	...	...
<i>Octopus</i> spp.	Octopuses nei	71	...	...
Mollusca	Marine molluscs nei	71	...	...
Cephalopoda	Cephalopods nei	71	...	3,115
Holothuridea	Sea cucumber nei	57	...	...
Holothuridea	Sea cucumber nei	71	0.88	4,352

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
14,270	...	...	...	...	...	...	...
34,251	...	...	...	...	...	31,536	...
...	...	...	...	...	...	18,444	...
...	...	...	...	71,593	...	39,902	...
27,684	...	...	...	...	...	...	...
33,346	...	...	...	4,216	...	33,383	...
...	...	15,061	...	...	...	...	...
...	...	1,882	...	10,259	...	3,174	...
712	...	...	...	...	...	...	...
785	...	...	...	...	...	...	...
785	...	...	...	...	...	...	...
49	...	...	...	...	...	512	...
58,257	...	...	...	...	...	...	...
41,654	...	...	...	...	...	779	...
2,737	...	...	...	...	...	...	...
3,534	...	...	...	...	...	...	...
...	...	29,495	...	...	...	...	...
...	...	924	...	...	...	3,360	...
247	...	...	...	...	...	...	...
492	...	...	...	...	...	4,939	...
...	...	19,253	...	...	...	...	...
...	...	16,700	...	...	652	9,151	...
27,786	...	153,293	...	...	...	...	...
54,283	...	91,768	...	...	2,321	...	...
1,891	...	18,436	...	...	...	...	...
5,419	...	18,668	...	...	89	45,038	...
7,473	...	58,905	...	...	...	...	...
23,417	...	66,423	...	88,462	388	142,273	...
...	...	...	...	...	...	12,489	...
101	...	1,472	...	...	...	...	...
1,359	...	1,262	...	...	...	18,729	...
...	...	...	...	...	...	787	...
...	...	...	...	...	...	...	...
366	...	...	...	...	...	...	...
2,554	...	...	...	...	...	...	...

### 3.3 Marine Capture Fishery Production by Species and by Fishing Area, 2009

#### 3.3.2 In Value (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Rhopilema</i> spp.	Jellyfishes	57	...	...
<i>Rhopilema</i> spp.	Jellyfishes	71	...	...
Testudinata	Marine turtle nei	57	...	...
Testudinata	Marine turtle nei	71	...	...
<i>Trochus niloticus</i>	Commercial top	71	...	...
Invertebrate	Aquatic invertebrates nei	57	...	...
Invertebrate	Aquatic invertebrates nei	71	...	...
<i>Pomadasys maculatus</i>	Saddle grunt	71	0.03	...
<i>Pomydasys</i> spp.	Grunts	71	11.21	...
<i>Rhynchobatus djiddensis</i>	Giant guitarfish	71	0.71	...
<i>Rhina ancylostoma</i>	Bowmouth guitarfish	71	0.33	...
<i>Penaeus indicus</i>	Indian white prawn	71	92.35	...
<i>Bohadschia argus</i>	Leopard fish	71	1.40	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	71	2.09	...
<i>Alectis indicus</i>	Indian threadfish	71	0.89	...
<i>Gnathanoden speciosus</i>	Golden trevally	71	1.18	...
-	Others	71	977.17	...





### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 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>Tenualosa macrura</i>	Longtail shad	...	...	...	...	...	...
<i>Ilisha elongata</i>	Elongate ilisha	...	...	...	...	...	...
<i>Lates calcarifer</i>	Barramundi (=Giant seaperch)	...	...	...	...	...	...
<i>Psettodes erumei</i>	Indian halibut	...	...	...	...	...	...
<i>Harpodon nehereus</i>	Bombay duck	...	...	...	...	...	...
<i>Saurida tumbil</i>	Greater lizardfish	...	...	...	...	...	...
<i>Arius thalassinus</i>	Giant catfish	...	...	...	...	...	...
<i>Arius</i> spp.	Sea catfishes nei	...	...	...	...	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	...	...	...	...	...	...
<i>Mugil cephalus</i>	Flathead grey mullet	...	...	...	...	...	...
<i>Lisa</i> spp.	Mulletts	...	...	...	...	...	...
<i>Caesio</i> spp.	Fusiliers	...	...	...	...	...	...
<i>Epinephelus</i> spp.	Groupers nei	...	...	...	...	...	...
<i>Plectropomus leopardus</i>	Leopard coralgroupier	...	...	...	...	...	...
<i>Priacanthus tayenus</i>	Purple-spotted bigeye	...	...	...	...	...	...
<i>Sillago sihama</i>	Silver sillago	...	...	...	...	...	...
<i>Johnius</i> spp.	Croakers	...	...	...	...	...	...
<i>Otolithes ruber</i>	Tigertooth croaker	...	...	...	...	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	...	...	...	...	...	...
<i>Lutjanus malabaricus</i>	Malabar blood snapper	...	...	...	...	...	...
<i>Lutjanus johnii</i>	John's snapper	...	...	...	...	...	...
<i>Lutjanus sebae</i>	Emperor red snapper	...	...	...	...	...	...
<i>Lutjanus lutjanus</i>	Bigeye snapper	...	...	...	...	...	...
<i>Lutjanus vitta</i>	Brownstripe red snapper	...	...	...	...	...	...
<i>Lutjanus russelli</i>	Russell's snapper	...	...	...	...	...	...
<i>Lutjanus</i> spp.	Snappers nei	...	...	...	...	...	...
<i>Pristipomoides multidens</i>	Goldenbanded jobfish	...	...	...	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams nei	...	...	...	...	...	...
<i>Leiognathus</i> spp.	Ponyfishes (=Slipmouths)	...	0.143	...	...	...	...
<i>Plectorhinchus</i> spp.	Sweetlips	...	...	...	...	...	...
<i>Pomadasys argenteus</i>	Silver grunt	...	...	...	...	...	...
<i>Pomadasys maculatus</i>	Saddle grunt	...	...	...	...	...	...
<i>Lethrinus</i> spp.	Emperors (=Scavengers) nei	...	...	...	...	...	...

														MT	
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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				
...	...	...	...	...	...	...	1.576	0.112	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.094	...	...	...	...	...	...	...	
0.008	...	...	...	...	...	...	0.054	0.112	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.285	0.203	...	...	...	...	...	...	
9.176	...	...	...	...	...	...	0.252	0.006	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.002	...	...	...	...	...	...	...	
0.859	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
4.892	...	...	...	...	...	...	0.225	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.742	0.026	...	...	0.046	...	...	...	
...	...	...	...	...	...	...	0.021	0.105	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.044	0.001	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.24	0.107	...	...	0.089	...	...	...	
...	...	...	...	...	...	...	0.553	0.002	...	...	0.011	...	...	...	
2.665	...	...	...	...	...	...	0.228	3.903	...	...	0.218	...	...	5.068	
...	...	...	...	...	...	...	0.001	0.035	...	...	...	...	...	...	
12.220	...	...	...	...	...	...	0.104	...	...	...	...	...	...	...	
0.020	...	...	...	...	...	...	...	0.031	...	...	...	...	...	...	
6.393	...	...	...	...	...	...	0.268	0.018	...	...	...	...	...	...	
6.705	...	...	...	...	...	...	1.034	...	...	...	...	...	...	0.272	
0.035	...	...	...	...	...	...	0.227	0.069	...	...	0.002	...	...	0.273	
5.491	...	...	...	...	...	...	2.483	0.876	...	...	2.911	...	...	0.148	
3.038	...	...	...	...	...	...	2.654	2.535	...	...	0.187	...	...	0.135	
...	...	...	...	...	...	...	0.002	...	...	...	0.003	...	...	...	
0.005	...	...	...	...	...	...	2.947	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.299	
...	...	...	...	...	...	...	0.141	0.541	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.013	...	...	...	0.004	...	...	1.656	
1.820	...	...	...	...	...	...	0.228	...	...	...	1.939	...	...	9.535	
17.634	...	...	...	...	...	...	1.226	...	...	...	...	...	...	1.060	
10.588	...	...	...	...	...	...	3.308	4.503	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.17	0.003	...	...	0.007	...	...	...	
2.318	...	...	...	...	...	...	0.074	0.050	...	...	0.904	...	...	...	
...	...	...	...	...	...	...	...	0.008	...	...	...	...	...	...	
...	...	...	...	...	...	...	3.946	...	...	...	...	...	...	...	

### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 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
-	Porgies, seabreams nei	...	...	...	...	...	...
<i>Upeneus sulphureus</i>	Sulphur goatfish	...	...	...	...	...	...
<i>Upeneus</i> spp.	Goatfishes	...	...	...	...	...	...
<i>Gerres</i> spp.	Mojarras (=Silver-biddies) nei	...	...	...	...	...	...
<i>Drepane punctata</i>	Spotted sicklefish	...	...	...	...	...	...
<i>Thalassoma</i> spp.	Wrasses	...	...	...	...	...	...
<i>Polynemus</i> spp.	Threadfins	...	...	...	...	...	...
<i>Siganus</i> spp.	Spinefeet (=Rabbitfishes) nei	...	...	...	...	...	...
<i>Ephippus orbis</i>	Orbfish	...	...	...	...	...	...
<i>Abalister stellaris</i>	Starry triggerfish	...	0.095	...	...	...	...
<i>Muraenesox cinereus</i>	Daggertooth pike conger	...	...	...	...	...	...
<i>Muraenesox</i> spp.	Pike+congers nei	...	...	...	...	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	...	...	...	...	...	...
<i>Amblygaster sirm</i>	Spotted sardinella	159.659	...	...	...	...	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	22.509	...	...	...	...	...
<i>Dussumieria acuta</i>	Rainbow sardine	101.279	...	...	...	...	...
<i>Sardinella</i> spp.	Sardinellas nei	...	...	...	...	...	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	...	...	...	...	...	...
<i>Chirocentrus dorab</i>	Dorab wolf-herring	...	...	...	...	...	...
<i>Auxis thazard</i> , <i>A. rochei</i>	Frigate and bullet tunas	...	...	...	...	...	...
<i>Euthynnus affinis</i>	Kawakawa	38.406	...	...	...	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	72.721	...	...	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	44.111	...	...	...	...	...
<i>Istiophorus platypterus</i>	Indo-pacific sailfish	...	...	...	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred spanish mackerel	1.607	...	...	...	...	...
<i>Scomberomorus guttatus</i>	Indo-pacific king mackerel	...	...	...	...	...	...
<i>Lactarius lactarius</i>	False trevally	...	...	...	...	...	...
<i>Rachycentron canadum</i>	Cobia	...	...	...	...	...	...
<i>Decapterus</i> spp.	Scads nei	224.299	...	...	...	...	...
<i>Caranx tille</i>	Tille trevally	...	...	...	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles nei	0.891	...	...	...	...	...
<i>Alectis indicus</i>	Indian threadfish	...	...	...	...	...	...
<i>Gnathanodon speciosus</i>	Golden trevally	...	...	...	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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	...	...	...	...	...	...	0.311
13.804	...	...	...	...	...	...	...	0.077	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	0.981	...	...	...	...	...	...
0.422	...	...	...	...	...	...	...	0.198	0.064	...	...	...	...	...	0.005
0.499	...	...	...	...	...	...	...	1.77	0.061	...	...	0.147	...	...	...
...	...	...	...	...	...	...	...	0.045	...	...	...	0.004	...	...	...
0.007	...	...	...	...	...	...	...	0.172	0.033	...	...	2.214	...	...	...
0.364	...	...	...	...	...	...	...	0.114	0.678	...	...	0.02	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	0.008	...	...	0.127
1.323	...	...	...	...	...	...	...	0.02	0.116	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	0.544	...	...	...
0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0.169	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	3.207	3.149	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	0.35	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	0.623	0.055	...	...	...	...	...	...
0.027	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	13.73	...	...	...	2.325	...	...	0.137
...	...	...	...	...	...	...	...	7.565	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	3.201	...	...	...
0.007	...	...	...	...	...	...	...	0.215	...	...	...	...	...	...	...
1.502	...	...	...	...	...	...	...	4.311	...	...	...	1.483	...	...	0.093
1.507	...	...	...	...	...	...	...	0.08	0.002	...	...	...	...	...	...
24.583	...	...	...	...	...	...	...	0.409	...	...	...	...	...	...	...
0.010	...	...	...	...	...	...	...	0.083	...	...	...	...	...	...	...
4.207	...	...	...	...	...	...	...	5.244	...	...	...	4.824	...	...	...
...	...	...	...	...	...	...	...	0.4	0.068	...	...	1.317	...	...	...
13.182	...	...	...	...	...	...	...	5.979	0.961	...	...	2.010	...	...	0.677
0.106	...	...	...	...	...	...	...	0.013	0.007	...	...	...	...	...	...
0.021	...	...	...	...	...	...	...	0.145	...	...	...	...	...	...	...

### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 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>Atule mate</i>	Yellowtail scad	0.273	...	...	...	...	...
<i>Alepes</i> spp.	Scads	...	...	...	...	...	...
<i>Selar crumenophthalmus</i>	Bigeye scad	65.441	...	...	...	...	...
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	...	...	...	...	...	...
<i>Parastromateus niger</i>	Black pomfret	0.316	...	...	...	...	...
<i>Elagatis bipinnulata</i>	Rainbow runner	0.282	...	...	...	...	...
<i>Megalaspis cordyla</i>	Torpedo scad	0.557	...	...	...	...	...
<i>Scomberoides commerson</i>	Talang queenfish	0.354	...	...	...	...	...
<i>Scomberoides</i> spp.	Queenfish	...	...	...	...	...	...
<i>Rastrelliger brachysoma</i>	Short mackerel	1.762	...	...	...	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	152.369	...	...	...	...	...
<i>Pampus argenteus</i>	Silver pomfret	...	...	...	...	...	...
<i>Sphyraena jello</i>	Pickhandle barracuda	...	...	...	...	...	...
<i>Sphyraena barracuda</i>	Great barracuda	...	...	...	...	...	...
<i>Sphyraena</i> spp.	Barracudas nei	5.808	...	...	...	...	...
<i>Carcharhinus dussumieri</i>	Whitecheek shark	0.051	...	...	...	...	...
<i>Dasyatis</i> spp.	Stingrays nei	...	...	...	...	...	...
<i>Rhynchobatus djiddens</i>	Giant guitarfish	...	...	...	...	...	...
<i>Rhina ancylostoma</i>	Bowmouth guitarfish	...	...	...	...	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	...	...	...	...	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	...	...	...	...	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	...	...	...	...	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	...	...	...	...	...	...
<i>Penaeus merguensis</i>	Banana prawn	...	...	...	...	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	...	...	...	...	...	...
<i>Penaeus semisulcatus</i>	Green tiger prawn	...	...	...	...	...	...
<i>Penaeus indicus</i>	Indian white prawn	...	...	...	...	...	...
<i>Penaeus</i> spp.	Penaeus shrimps nei	...	...	...	...	...	...
<i>Metapenaeus brevicornis</i>	Yellow shrimp	...	...	...	...	...	...
<i>Metapenaeus ensis</i>	Greasyback shrimp	...	...	...	...	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	...	...	...	...	...	...
<i>Acetes japonicus</i>	Akiami paste shrimp	...	...	...	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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				
...	...	...	...	...	...	...	9.624	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	16.51	0.836	...	...	4.383	...	...	...	
16.938	...	...	...	...	...	...	1.645	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.013	...	...	...	...	...	...	...	
0.373	...	...	...	...	...	...	0.179	0.04	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.142	...	...	...	...	...	...	...	
1.766	...	...	...	...	...	...	1.678	...	...	...	2.108	...	...	...	
2.361	...	...	...	...	...	...	4.499	0.036	...	...	0.045	...	...	...	
...	...	...	...	...	...	...	0.317	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.083	...	...	...	...	...	...	...	
3.093	...	...	...	...	...	...	16.38	1.259	...	...	3.487	...	...	...	
0.444	...	...	...	...	...	...	0.072	0.111	...	...	...	...	...	...	
0.008	...	...	...	...	...	...	0.008	...	...	...	...	...	...	...	
0.347	...	...	...	...	...	...	0.15	0.349	...	...	...	...	...	...	
9.606	...	...	...	...	...	...	0.427	0.121	...	...	0.025	...	...	0.083	
11.794	...	...	...	...	...	...	1.804	0.028	...	...	0.241	...	...	0.599	
47.915	...	...	...	...	...	...	6.106	0.778	...	...	0.907	...	...	...	
0.487	...	...	...	...	...	...	0.004	...	...	...	0.011	...	...	...	
0.235	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	0.295	...	...	...	...	...	...	
0.363	...	...	...	...	...	...	0.764	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	0.462	0.094	...	...	0.099	...	...	...	
...	...	...	...	...	...	...	0.218	0.003	...	...	0.057	...	...	0.032	
8.102	...	...	...	...	...	...	...	2.970	...	...	...	...	...	...	
1.446	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
24.44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	13.02	...	...	...	...	...	...	
1.689	...	...	...	...	...	...	5.487	0.103	...	...	...	...	...	...	
0.511	...	...	...	...	...	...	0.572	0.066	...	...	...	...	...	...	
22.183	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
0.169	...	...	...	...	...	...	4.132	0.581	...	...	...	...	...	...	
...	...	...	...	...	...	...	17.81	...	...	...	...	...	...	...	

**3.4 Capture Production by Type of Fishing Gear and by Species, 2009**  
**3.4.1 Brunei Darussalam (Cont'd)**

Scientific Name	FAO English Name	Purse Seine			Seine Net		
		All purse seines	Ancovy purse seine	Fish purse seine	All seine nets	Boat seine	Beach seine
<i>Sepia</i> spp.	Cuttlefish	...	...	...	...	...	...
<i>Loligo</i> spp.	Common squids nei	0.178	...	...	...	...	...
-	Sea cucumbers nei	...	...	...	...	...	...
<i>Bohadschia argus</i>	Leopard fish	...	...	...	...	...	...
Osteichthyes	Marine fishes nei	1.726	...	...	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/ Scoop Net	Shell fish and seaweed collect- ing gear	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				
16.269	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34.764	...	...	...	...	...	...	0.01	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.124
...	...	...	...	...	...	...	0.008	0.388	...	...	...	...	...	...	...
451.79	...	...	...	...	...	...	1.922	2.537	...	...	0.003	...	...	...	1.288



## 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

## 3.4.2 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	121	...	121	12	...	...
<i>Plotosus</i> spp.	Eeltail catfishes	...	...	...	14	...	...
<i>Lates calcarifer</i>	Barramudi (= Giant seaperch)	...	...	...	...	...	...
<i>Cynoglossus</i> spp.	Tongue soles nei	1	...	1	4	...	...
<i>Caesio</i> spp.	Fusiliers	1	...	1	29	...	...
<i>Epinephelus</i> spp.	Groupers nei	10	...	10	4	...	...
<i>Priacanthus tayenus</i>	purple-spotted bigeye	50	...	50	...	...	...
<i>Sillago</i> spp.	Sillago-whitings	39	...	39	1	...	...
<i>Otolithes rubber</i>	Tigertooth croaker	312	292	20	2,416	...	...
<i>Lutjanus malabaricus</i>	Malabar blood snapper	41	...	41	...	...	...
<i>Lutjanus johnii</i>	John's snapper	...	...	...	...	...	...
<i>Lutjanus russelli</i>	Russell's snapper	...	...	...	...	...	...
<i>Lutjanus</i> spp.	Snapper nei	18	...	18	...	...	...
<i>Hilsa kelee</i>	Kelee shad	18	...	18	1	...	...
<i>Tenulosa macrura</i>	Longtail shad	...	...	...	...	...	...
<i>Ilisha elongata</i>	Elongate ilisha	4,732	15	4,717	25	...	...
<i>Pellona ditchela</i>	Indian pellona	...	...	...	...	...	...
<i>Pseudorhombus</i> spp.	Flounders	1	...	1	2	...	...
<i>Harpadon nehereus</i>	Bombay duck	...	...	...	...	...	...
<i>Saurida</i> spp.	Lizard fishes	29	...	29	...	...	...
<i>Arius</i> spp.	Marine catfishes	1,097	1,041	56	426	...	...
<i>Pristipomoides multidens</i>	Goldenbanded jobfish	5	...	5	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams nei	49	...	49	...	...	...
<i>Leiognathus</i> spp.	Ponyfishes	243	2	241	2	...	...
<i>Plectorhinchus</i> spp.	Sweetlips	3	...	3	...	...	...
<i>Pomadasy</i> spp.	Grunts	1	...	1	...	...	...
<i>Lethrinus</i> spp.	Emperors	8	...	8	...	...	...
<i>Upeneus</i> spp.	Goatfishes	30	...	30	...	...	...
<i>Gerres</i> spp.	Mojarras nei	19	...	19	1	...	...
<i>Drepane punctata</i>	Spotted sicklefish	1	...	1	2	...	...
<i>Polynemus</i> spp.	Threadfins	...	...	...	19	...	...
<i>Siganus</i> spp.	Spinefeet nei	62	...	62	72	...	...
<i>Lisa</i> spp.	Mulletts	14	...	14	18	...	...
<i>Abalister stellaris</i>	Starry Tiggerfish	15	...	15	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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				
688	...	...	...	...	...	...	2,185	35	35	...	...	...	...	...	
625	...	...	...	...	...	...	1,573	162	46	116	447	5	...	192	
291	...	...	...	1	...	...	545	123	15	107	464	2	...	1	
2,692	...	...	...	...	...	...	1,198	8	7	1	20	...	...	10	
...	...	...	...	8	...	...	90	221	...	221	246	...	...	2	
3,172	...	...	...	3	...	...	790	1,193	53	1,140	3,531	...	59	9	
18,579	...	...	...	3	...	...	1	2	...	2	33	...	...	...	
1,566	...	...	...	...	...	...	293	2	2	...	21	...	...	3	
16,306	...	...	...	20	...	...	7,353	109	94	15	553	110	...	212	
1,966	...	...	...	7	...	...	930	335	22	312	2,709	1	...	3	
1,012	...	...	...	9	...	...	471	169	...	169	1,529	...	...	...	
866	...	...	...	3	...	...	105	119	2	117	999	1	...	...	
1,899	...	...	...	...	...	...	26	295	...	295	58	...	...	...	
11	...	...	...	...	...	...	532	1	1	...	19	...	...	9	
12	...	...	...	...	...	...	388	2	2	...	1	...	...	32	
3,661	...	...	...	...	...	...	2,144	...	...	...	17	...	...	...	
315	...	...	...	...	...	...	1,396	1	1	...	...	...	...	8	
2,701	...	...	...	1	...	...	205	33	31	2	15	...	...	1	
849	...	...	...	...	...	...	1,238	55	55	...	...	1	...	957	
25,636	...	...	...	2	...	...	1	...	...	...	24	...	...	...	
5,696	...	...	...	15	...	...	6,036	178	75	104	2,006	49	...	247	
3,599	...	...	...	4	...	...	258	136	...	136	1,481	...	...	...	
30,851	...	...	...	...	...	...	2,008	5,576	...	5,576	1,238	...	...	...	
1,547	...	...	...	349	...	...	541	28	...	...	2	...	...	...	
706	...	...	...	5	...	...	113	108	...	108	352	...	...	...	
1,432	...	...	...	4	...	...	562	45	18	26	399	...	...	...	
484	...	...	...	...	...	...	78	80	4	76	510	...	...	...	
16,906	...	...	...	4	...	...	48	129	5	124	20	...	...	...	
585	...	...	...	1	...	...	155	14	9	5	143	...	...	4	
722	...	...	...	5	...	...	229	14	...	14	58	...	...	...	
1,541	...	...	...	9	...	...	2,032	43	39	4	257	...	...	15	
850	...	...	...	4	...	...	272	504	134	370	174	...	...	14	
358	...	...	...	4	...	...	2,849	49	49	...	...	6	...	140	
1,543	...	...	...	9	...	...	105	49	2	47	237	...	...	...	

### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 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>Muraenesox cinereus</i>	Pike-congers nei	1	...	1	1	...	...
<i>Trichiurus</i> spp.	Hairtails nei	341	21	32	...	...	...
<i>Sardinella</i> spp.	Sardinellas nei	28,023	150	27,873	...	...	...
<i>Dussumieria</i> spp.	Rainbow sardinells	4,996	13	4,983	...	...	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	9,546	7,908	1,638	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herring nei	54	...	54	1	...	...
<i>Euthynnus affinis</i>	Kawakawa	16,539	...	16,539	...	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	3,582	...	3,582	...	...	...
<i>Thunnus tonggol</i>	Longtail tuna	22,072	...	22,072	352	...	...
<i>Istiophorus platyterus</i>	Indo-pacific sailfish	21	...	21	...	...	...
<i>Makaira mazara</i>	Indo-pacific blue marlin	4	...	4	...	...	...
<i>Megalaspis cordyla</i>	Hardtail scad	16,937	6	16,931	...	...	...
<i>Scomberoides</i> spp.	Queenfishes	38	3	35	19	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	27,737	127	27,610	...	...	...
<i>Rastrelliger</i> spp.	Other rastrelliger mackerels	55,264	98	55,166	1	...	...
<i>Pampus argenteus</i>	Silver pomfrets nei	5	...	5	394	...	...
<i>Pampus chinensis</i>	Chinese silver pomfret	...	...	...	385	...	...
<i>Sphyræna</i> spp.	Barracudas nei	395	...	395	9	...	...
<i>Scomberomorus commerson</i>	Narrow-barred spanish mackerel	459	...	459	1	...	...
<i>Lactarius lactarius</i>	False trevally	...	...	...	...	...	...
<i>Rachycentron canadum</i>	Cobia	5	...	5	...	...	...
<i>Decapterus</i> spp.	Scad nei	80,920	...	80,920	...	...	...
<i>Caranx sexfasciatus</i>	Bigeye travally	17	...	17	4	...	...
<i>Alectis indicus</i>	Indian threadfish	136	...	136	19	...	...
<i>Gnathanodon speciosus</i>	Golden trevally	32	...	32	...	...	...
<i>Carangoides</i> spp.	Horse mackerel	394	...	394	...	...	...
<i>Atule mate</i>	Yellowtail scad	3,347	...	3,347	...	...	...
<i>Alepes</i> spp.	Scads	13,450	...	13,450	...	...	...
<i>Selar boops</i>	Oxeye scad	11,837	...	11,837	...	...	...
<i>Selarroides leptolepis</i>	Yellowstripe scad	8,989	...	8,989	...	...	...
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	8	...	8	...	...	...
<i>Parastromateus niger</i>	Black pomfret	208	...	208	...	...	...
<i>Elagastis bipinnulata</i>	Rainbow runner	176	...	176	...	...	...

																MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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					
2,563	...	...	...	...	...	...	336	4	4	...	1,624	...	...	2		
7,845	...	...	...	52	...	...	876	18	18	...	3	...	...	10		
535	...	...	...	923	...	...	96	74	35	39	377	...	...	...		
439	...	...	...	39	...	...	161	4	...	4	29	...	...	219		
268	...	...	...	8,237	...	...	25	41	41	...	...	...	...	223		
2,980	...	...	...	...	...	...	2,247	2	2	1	7	...	...	...		
172	...	...	...	...	...	...	1,047	18	...	18	1,347	...	...	...		
160	...	...	...	...	...	...	455	...	...	...	264	...	...	...		
831	...	...	...	1	...	...	3,413	...	...	...	893	...	...	...		
127	...	...	...	...	...	...	151	...	...	...	309	...	...	...		
6	...	...	...	...	...	...	6	...	...	...	203	...	...	...		
7,971	...	...	...	163	...	...	1,188	13	...	13	921	...	...	...		
1,080	...	...	...	134	...	...	1,351	42	42	...	101	...	...	...		
16,349	...	...	...	593	...	...	10,045	53	46	7	1,713	6	...	...		
19,809	...	...	...	1	...	...	53,892	...	...	...	1	...	...	...		
1,899	...	...	...	12	...	...	1,953	30	30	...	1	4	...	209		
948	...	...	...	4	...	...	549	2	...	2	3	...	...	1		
4,677	...	...	...	213	...	...	846	58	47	12	1,774	3	...	1		
4,651	...	...	...	9	...	...	5,283	17	...	17	2,201	...	...	2		
180	...	...	...	18	...	...	386	...	...	...	...	...	...	...		
711	...	...	...	...	...	...	23	20	...	20	372	...	...	...		
7,856	...	...	...	1,468	...	...	132	22	...	22	1,608	...	...	...		
56	...	...	...	...	...	...	40	4	...	4	222	...	...	...		
2,393	...	...	...	83	...	...	332	41	...	41	909	...	...	...		
81	...	...	...	...	...	...	89	10	...	10	23	...	...	...		
1,348	...	...	...	159	...	...	1,384	86	15	71	2,107	...	...	...		
3,067	...	...	...	8	...	...	292	...	...	...	9	90	...	...		
6,047	...	...	...	700	...	...	1,014	25	7	18	1,493	19	...	...		
7,011	...	...	...	19	...	...	204	4	...	4	22	...	...	...		
7,292	...	...	...	628	...	...	793	129	7	122	336	25	...	...		
1,278	...	...	...	2	...	...	17	2	...	2	81	...	...	...		
3,211	...	...	...	19	...	...	1,710	17	17	...	13	188	...	...		
265	...	...	...	56	...	...	159	2	...	2	118	...	...	...		

### 3.4 Capture Production by Type of Fishing Gear and by Species, 2008

#### 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>Scolopsis</i> spp.	Monode breams	16	...	16	...	...	...
<i>Scarus</i> spp.	Parrot fish	...	...	...	136	...	...
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	...	...	...	2	...	...
<i>Auxis thazard</i> , <i>A. rochei</i>	Frigate & bullet tuna	1,423	...	1,423	...	...	...
<i>Thunnus albacares</i>	Yellowfin tuna	5	...	5	...	...	...
<i>Thunnus obesus</i>	Bigeye tuna	...	...	...	...	...	...
<i>Caranx</i> spp.	Jacks, crevalles nei	87	...	87	...	...	...
<i>Pampus</i> spp.	Silver pomfrets nei	...	...	...	...	...	...
-	Tunas	...	...	...	...	...	...
<i>Dasyatis</i> spp.	Stingrays nei	43	34	9	19	...	...
<i>Portunus pelagicus</i>	Blue swimming crab	8	...	8	55	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	54	...	54	...	...	...
<i>Thenus orientalis</i>	Flathead lobster	...	...	...	...	...	...
<i>Penaeus merguensis</i>	Banana prawn	2	...	2	558	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	...	...	...	47	...	...
<i>Penaeus indicus</i>	Indian white prawn	4	...	4	110	...	...
<i>Penaeus latisulcatus</i>	Western king prawn	...	...	...	...	...	...
<i>Metapenaeus affinis</i>	Jinga shrimp	...	...	...	...	...	...
<i>Metapenaeus brevicornis</i>	Yellow shrimp	...	...	...	90	...	...
<i>Metapenaeus ensis</i>	Greasyback shrimp	...	...	...	...	...	...
<i>Metapenaeus lysianassa</i>	Bird shrimp	266	...	266	463	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	...	...	...	1,668	...	...
<i>Parapenaeopsis coromandelica</i>	Coromandel shrimp	...	...	...	...	...	...
<i>Parapenaeopsis hardwickii</i>	Spear shrimp	...	...	...	62	...	...
<i>Panulirus</i> spp.	Tropical spiny lobster nei	1	...	1	...	...	...
<i>Parapenaeopsis sculptilis</i>	Rainbow shrimp	...	...	...	377	...	...
<i>Metapenaeopsis stridulans</i>	Fiddler shrimp	3	...	3	316	...	...
<i>Sepia</i> spp.	Cuttlefish	152	...	152	310	...	...
<i>Loligo</i> spp.	Common squids nei	2,947	...	2,947	325	...	...
<i>Octopus</i> spp.	Octopuses nei	8	...	8	...	...	...
<i>Platycephalus indicus</i>	Bartail Flatfish	1	...	1	1	...	...
<i>Thachysurus leiotetocephalus</i>	-	...	...	...	...	...	...
<i>Aluterus monoceros</i>	Unicorn leatherjacket	28	...	28	...	...	...
<i>Ablennes hians</i>	Flat needlefish	103	...	103	60	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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				
1,193	...	...	...	...	...	...	136	681	...	681	90	...	...	...	
219	...	...	...	1	...	...	188	133	9	123	412	...	98	10	
46	...	...	...	...	...	...	522	36	1	35	329	...	...	7	
27	...	...	...	158	...	...	209	...	...	...	21	...	...	...	
1	...	...	...	...	...	...	...	...	...	...	1,398	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	1,837	...	...	...	
...	...	...	...	...	...	...	22	...	...	...	...	...	...	...	
204	...	...	...	...	...	...	295	...	...	...	2	1	...	...	
...	...	...	...	...	...	...	...	...	...	...	45	...	...	...	
9,005	...	...	...	14	...	...	2,130	261	47	214	3,535	3	...	51	
6,243	...	...	...	3	...	...	2,180	377	47	329	8	6	...	775	
53	...	...	...	...	...	...	47	37	...	37	...	9	...	2,300	
498	...	...	...	...	...	...	33	1	...	1	...	...	...	...	
2,317	...	...	...	...	...	...	3,914	27	26	1	...	159	...	142	
1,085	...	...	...	...	...	...	339	5	4	1	...	16	...	4	
3,959	...	...	...	...	...	...	2,202	16	14	2	...	138	...	117	
2,568	...	...	...	...	...	...	56	147	147	...	...	...	...	630	
541	...	...	...	...	...	...	32	42	42	...	...	2	...	...	
1,896	...	...	...	...	...	...	273	69	69	...	...	230	...	2,345	
365	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5,905	...	...	...	...	...	...	3,513	30	30	...	...	911	...	1,059	
4,215	...	...	...	...	...	...	1,652	17	17	...	...	523	...	140	
77	...	...	...	...	...	...	...	...	...	...	...	2	...	61	
1,896	...	...	...	...	...	...	238	1	...	1	...	56	...	166	
198	...	...	...	...	...	...	32	25	...	25	...	...	16	1	
1,833	...	...	...	...	...	...	404	30	30	...	...	103	...	114	
2,747	...	...	...	...	...	...	200	3	...	3	...	135	...	298	
20,695	...	...	...	173	...	...	243	542	...	542	161	109	10	105	
50,310	...	...	...	970	...	...	276	208	95	114	1,132	3	...	6	
2,411	...	...	...	...	...	...	8	...	...	...	22	...	7	6	
721	...	...	...	...	...	...	77	3	...	3	14	...	...	1	
21	...	...	...	...	...	...	253	11	11	...	5	...	...	28	
1,799	...	...	...	...	...	...	561	127	...	127	19	...	...	...	
2	...	...	...	...	...	...	186	3	2	1	12	...	...	...	

### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 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>Lobotes surinamensis</i>	Atlantic tripletail	...	...	...	...	...	...
<i>Megalops cyprinoides</i>	Indo-pacific tarpon	5	...	5	1	...	...
<i>Septipinna tenuifilis</i>	Common hairfin anchovy	...	...	...	...	...	...
<i>Coilia macrognathos</i>	Goldspotted grenader anchovy	...	...	...	4,742	...	...
-	Trash fish	23,280	1,654	21,626	12,930	...	...
	Mixed fish	20,346	262	20,084	276	...	...
<i>Carcharhinus</i> spp.	Shark	56	7	49	...	...	...
<i>Acetes</i> spp.	Paste shrimp	72	72	...	655	...	...
<i>Crassostrea</i> spp.	Cupped oysters nei	...	...	...	...	...	...
<i>Perna viridis</i>	Green mussel	...	...	...	...	...	...
<i>Paphia undulata</i>	Undulata venus	...	...	...	...	...	...
<i>Squilla mantis</i>	-	...	...	...	217	...	...
<i>Circe scripta</i>	Script venus	...	...	...	...	...	...
<i>Orbicularia orbiculata</i>	Short-necked clam	...	...	...	...	...	...
Bivalves/ Gastropods	Other clams	2	...	...	...	...	...
<i>Rhopilema</i> spp.	Jellyfish	...	...	...	...	...	...
-	Sea cucumbers nei	...	...	...	...	...	...
<i>Lagocephalus sceleratus</i>	Silverside bladsop	1	...	1	...	...	...

															MT
Trawl				Lift Net	Falling Net			Gill Net	Trap			Hook and Lines	Push/Scoop Net	Shell fish and seaweed collecting gear	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				
50	...	...	...	...	...	...	...	89	...	...	...	35	...	...	...
43	...	...	...	...	...	...	...	25	16	16	...	...	...	...	...
226	...	...	...	...	...	...	...	1,729	45	45	...	...	...	...	391
72	...	...	...	...	...	...	...	959	99	99	...	...	...	...	354
241,402	...	...	...	70	...	...	...	1,664	282	282	...	8	1,347	...	4,199
41,605	...	...	...	458	...	...	...	10,931	398	150	249	1,822	75	...	610
4,247	...	...	...	...	...	...	...	1,663	56	...	56	1,196	...	...	17
20,795	...	...	...	78	...	...	...	...	125	125	...	...	1,098	...	6,442
...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	179	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	21,514	...
6,146	...	...	...	...	...	...	...	239	...	...	...	...	7	...	34
55	...	...	...	...	...	...	...	...	...	...	...	...	...	120	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	517	...
459	...	...	...	...	...	...	...	...	1	1	...	...	...	880	...
103	...	...	...	...	...	...	...	50	105	105	...	...	...	...	3,577
41	...	...	...	...	...	...	...	2	...	...	...	...	...	59	75
46	...	...	...	...	...	...	...	96	...	...	...	...	...	...	3



### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 3.4.3 Myanmar

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>Johnius</i> spp.	Croakers nei	545	...	...	...	...	...
<i>Ilisha elongata</i>	Elongata ilisha	2,260	...	...	...	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	...	...	...	...	...	...
<i>Tenualosa ilisha</i>	hilsa	19,602	...	...	...	...	...
<i>Protonibea diacanthus</i>	Blackspotted croaker	...	...	...	...	...	...
<i>Arius</i> spp.	Seacatfishes, Marine catfishes	8,854	...	...	...	...	...
Cynoglossidae	Tonguefishes	...	...	...	...	...	...
<i>Plectropomus leopardus</i>	Leopard coral grouper	2,810	...	...	...	...	...
<i>Pseudorhombus arsius</i>	Large-tooth flounder	...	...	...	...	...	...
<i>Muraenesox</i> spp.	Pike-conger nei	...	...	...	...	...	...
<i>Nemipterus</i> spp.	Threadfin breams nei	...	...	...	...	...	...
<i>Pomadasys</i> spp.	Grunts	...	...	...	...	...	...
<i>Polynemus</i> spp.	Threadfins nei	16,530	...	...	...	...	...
<i>Upeneus</i> spp.	Goatfishes	...	...	...	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herring nei	8,758	...	...	...	...	...
<i>Saurida tumbil</i>	Greater lizard fish	...	...	...	...	...	...
<i>Scomberomorus guttatus</i>	Indo-pacific king mackerel	1,659	...	...	...	...	...
<i>Megalaspis cordyla</i>	Hardtail scad	14,148	...	...	...	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	485	...	...	...	...	...
<i>Pampus argenteus</i>	Silver pomfrets	68	...	...	...	...	...
Ostiechthyes	Marine fish nei	381,747	...	...	...	...	...
<i>Penaeus</i> spp.	Shrimp	4,319	...	...	...	...	...
<i>Loligo</i> spp.	Squids	...	...	...	...	...	...
<i>Sepia</i> spp.	Cuttlefish	83	...	...	...	...	...



### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 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	...	...	...	...	...	...
<i>Saurida</i> spp.	Lizard fishes	...	...	...	...	...	...
<i>Arius</i> spp.	Seacatfishes	...	...	...	...	...	...
<i>Lisa</i> spp.	Mulletts	...	...	...	...	...	...
<i>Caesio</i> spp.	Fusiliers	...	...	...	...	...	...
<i>Epinephelus</i> spp.	Grouper nei	...	...	...	...	...	...
<i>Sillago</i> spp.	Sillago whittings	...	...	...	...	...	...
<i>Mene maculata</i>	Moonfish	...	...	...	...	...	...
<i>Pennahia</i> spp.	Croakers & drum	...	...	...	...	...	...
<i>Lutjanus</i> spp.	Snappers nei	...	...	...	...	...	...
<i>Nemipterus</i> spp.	Threadfin bream nei	...	...	...	...	...	...
<i>Leiognathus</i> spp.	Ponyfishes	...	...	...	...	...	...
<i>Pomydasys</i> spp.	Grunts	...	...	...	...	...	...
<i>Polynemus</i> spp.	Threadfins	...	...	...	...	...	...
<i>Siganus</i> spp.	Spinefeet	...	...	...	...	...	...
<i>Trichiurus</i> spp.	Hairtails nei	...	...	...	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herring nei	...	...	...	...	...	...
<i>Katsuwonus pelamis</i>	Skipjack tuna	...	...	...	...	...	...
<i>Scomberomorus commerson</i>	Narrow-barred spanish	...	...	...	...	...	...
<i>Carangoides</i> spp.	Horse mackerel	...	...	...	...	...	...
<i>Alepes</i> spp.	Scads	...	...	...	...	...	...
<i>Parastromateus niger</i>	Black pomfret	...	...	...	...	...	...
<i>Scomberoides</i> spp.	Queenfishes	...	...	...	...	...	...
<i>Rastrelliger kanagurta</i>	Indian mackerel	...	...	...	...	...	...
<i>Pampus argenteus</i>	Silver pomfret	...	...	...	...	...	...
<i>Pampus chinensis</i>	Chinese Silver pomfret	...	...	...	...	...	...
<i>Sphyræna</i> spp.	Barracudas nei	...	...	...	...	...	...
<i>Isurus</i> spp.	Mako sharks	...	...	...	...	...	...
<i>Dasyatis</i> spp.	Stingrays nei	...	...	...	...	...	...
<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 nei	...	...	...	...	...	...



### 3.4 Capture Production by Type of Fishing Gear and by Species, 2009

#### 3.4.4 Singapore (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>Caranx</i> spp.	Jacks, crevalles nei	...	...	...	...	...	...
-	Round herring	...	...	...	...	...	...
-	Hard tail	...	...	...	...	...	...
-	Anchovy	...	...	...	...	...	...
<i>Penaeus</i> spp.	Penaeus shrimps nei	...	...	...	...	...	...
<i>Sepia</i> spp.	Cuttlefish	...	...	...	...	...	...
<i>Loligo</i> spp.	Common squids nei	...	...	...	...	...	...
<i>Lethrinus</i> spp.	Emoerors	...	...	...	...	...	...
Osteichthyes	Marine fish nei	...	...	...	...	...	...



## 4. INLAND CAPTURE FISHERY STATISTICS

## 4.1 Inland Capture Fishery Production by Species and by Fishing Area, 2009

## 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	04	...	...
<i>Osteochilus haseltii</i>	Nilem carp	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Hampala macrolepidota</i>	Hampala barb	04	...	...
<i>Thynnichthys vailanti</i>	-	04	...	...
Cyprinidae	Cyprinids nei	04	...	...
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
<i>Macrochirichthys macrochirus</i>	-	04	...	...
<i>Oreochromis (=Tilapia) spp.</i>	Tilapia nei	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	...	...
<i>Chitala lopis</i>	Giant featherback	04	...	...
<i>Kryptopterus spp.</i>	Glass catfish	04	...	...
<i>Ompok bimacularus</i>	Butter catfish	04	...	...
<i>Mystus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Clarias spp.</i>	Torpedo-shaped catfishes nei	04	...	...
<i>Pangasius djambal</i>	Catfishes	04	...	...
<i>Pangasius spp.</i>	Pangas catfish nei	04	...	...
<i>Anguilla spp.</i>	River eels nei	04	...	...
<i>Monopterus albus</i>	Lai	04	...	...
<i>Anabus testudineus</i>	Climbing perch	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>Chana striata</i>	Striped snakehead	04	...	...
<i>Chana micropeltes</i>	Indonesian snakehead	04	...	...
<i>Chromobotia macrocanthus</i>	Clown loach	04	...	...
<i>Pristolepis fascista</i>	Malayan leaffish	04	...	...
Osteichthyes	Freshwater fishes nei	04	...	389,700
<i>Chanos chanos</i>	Milkfish	04	...	...

							MT	
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	
8,090	...	...	...	...	...	11,200	...	
1,200	...	...	...	...	...	...	...	
6,710	...	...	...	...	...	...	...	
4,110	...	...	...	...	...	...	...	
180	...	...	...	...	...	...	...	
20	...	...	...	...	...	...	...	
...	...	...	...	21,650	...	...	...	
4,560	...	...	...	...	...	...	...	
6,990	...	...	...	...	...	44,100	...	
210	...	...	...	...	...	...	...	
...	...	...	...	43,463	...	...	...	
8,330	...	...	...	...	...	...	...	
20,540	...	...	...	...	...	46,500	...	
1,920	...	...	...	...	...	...	...	
13,580	...	...	...	...	...	...	...	
380	...	...	...	...	...	...	...	
12,900	...	...	...	...	...	...	...	
15,530	...	...	...	5,685	...	11,800	...	
9,560	...	...	...	...	...	...	...	
...	...	...	...	...	...	10,200	...	
1,060	...	...	...	835	...	...	...	
...	...	...	...	...	...	100	...	
12,070	...	...	...	2,321	...	10,200	...	
1,740	...	...	...	...	...	...	...	
18,200	...	...	...	6,352	...	7,500	...	
9,100	...	...	...	...	...	...	...	
12,630	...	...	...	...	...	...	...	
30,660	...	...	...	10,470	...	19,900	...	
8,010	...	...	...	...	...	...	...	
3,820	...	...	...	...	...	...	...	
110	...	...	...	...	...	...	...	
63,620	30,000	4,086	899,430	8,059	...	80,800	133,400	
...	...	...	...	9,347	...	...	...	



#### 4.1 Inland Capture Fishery Production by Species and by Fishing Area, 2009

##### 4.1.1 In Quantity (Cont'd)

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Scatophagus</i> spp.	Scata	04	...	...
<i>Barbodes balleroides</i>	-	04	...	...
<i>Barbichthys laevis</i>	Sucker barb	04	...	...
<i>Labiobarbus festivus</i>	Singal carp	04	...	...
<i>Puntius bionotatus</i>	Spotted barb	04	...	...
<i>Botia macracanthus</i>	Clown loach	04	...	...
<i>Rasbora argyrotaenio</i>	Silver rasbora	04	...	...
<i>Puntioplites waandersi</i>	-	04	...	...
<i>Cyclochelichthys armatus</i>	-	04	...	...
<i>Cyclochelichthys apogon</i>	Beardless barb	04	...	...
<i>Tor soro</i>	-	04	...	...
<i>Tor douronesis</i>	River carp	04	...	...
<i>Toxotes microlepis</i>	Smallscale archerfish	04	...	...
<i>Thynnichthys vailanti</i>	-	04	...	...
<i>Mastacembelus erythrotaenia</i>	Fire eel	04	...	...
<i>Scleropages formosus</i>	Asian bonytongue	04	...	...
<i>Mystacoleucus marginatus</i>	-	04	...	...
<i>Mystacoleucus padangensis</i>	-	04	...	...
<i>Mystus nigriceps</i>	<i>Mystus wyckii</i>	04	...	...
Ariidae	Sea ccatfishes nei	04	...	...
Mugiidae	Mulletts nei	04	...	...
Gobiidae	Freshwater gobies nei	04	...	...
Natantia	Natantian decapods nei	04	...	...
Crustacea	Freshwater crustaceans nei	04	...	300
Mollusca	Freshwater molluscs nei	04	...	...
Mollusca	Marine molluscs nei	04	...	...
Eleotridae	Gudgeons, sleepers nei	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	...	...
Palaemonidae	Freshwater prawns nei	04	...	...
Crustacea	Freshwater crustaceans nei	04	...	...
Bivalvia	Clams, etc, nei	04	...	...
<i>Rana</i> spp.	Frogs	04	...	...
Testudinata	River and lake turtle nei	04	...	...
<i>Invertebrate</i>	Aquatic invertebrates nei	04	...	...



#### 4.1 Inland Fishery Production by Species and by Fishing Area, 2009

##### 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	04	...	...
<i>Osteochilus haseltii</i>	Nilem carp	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Hampala macrolepidota</i>	Hampala barb	04	...	...
Cyprinidae	Cyprinids nei	04	...	...
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
<i>Macrochirichthys macrochirus</i>	-	04	...	...
<i>Oreochromis (=Tilapia) spp.</i>	Tilapia nei	04	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	...	...
<i>Chitala lopis</i>	Giant featherback	04	...	...
<i>Kryptopterus spp.</i>	Glass catfish	04	...	...
<i>Ompok bimacularus</i>	Butter catfish	04	...	...
<i>Mystus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Clarias spp.</i>	Torpedo-shaped catfishes nei	04	...	...
<i>Pangasius djambal</i>	Catfishes	04	...	...
<i>Pangasius spp.</i>	Pangas catfish nei	04	...	...
<i>Anguilla spp.</i>	River eels nei	04	...	...
<i>Monopterus albus</i>	Lai	04	...	...
<i>Anabus testudineus</i>	Climbing perch	04	...	...
<i>Osphronemus gouramy</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>Chana striata</i>	Striped snakehead	04	...	...
<i>Chana micropeltes</i>	Indonesian snakehead	04	...	...
<i>Chromobotia macracanthus</i>	Clown loach	04	...	...
<i>Mastacembelus erythrotaenia</i>	Fire eel	04	...	...
<i>Pristolepis fasciata</i>	Malayan leaf fish	04	...	...
Osteichthyes	Freshwater fishes nei	04	...	331,245
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Scatophagus spp.</i>	Scats	04	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
13,110	...	...	...	...	...	10,467	...
1,930	...	...	...	...	...	...	...
7,970	...	...	...	...	...	...	...
6,950	...	...	...	...	...	...	...
370	...	...	...	...	...	...	...
...	...	...	...	18,562	...	...	...
7,670	...	...	...	...	...	...	...
10,140	...	...	...	...	...	43,256	...
170	...	...	...	...	...	...	...
...	...	...	...	48,548	...	...	...
9,560	...	...	...	...	...	...	...
22,050	...	...	...	...	...	49,879	...
6,240	...	...	...	...	...	...	...
29,770	...	...	...	...	...	...	...
1,840	...	...	...	...	...	...	...
25,640	...	...	...	...	...	...	...
27,650	...	...	...	8,028	...	21,246	...
24,730	...	...	...	...	...	...	...
...	...	...	...	...	...	8,036	...
1,930	...	...	...	1,499	...	...	...
...	...	...	...	...	...	245	...
27,620	...	...	...	2,780	...	10,534	...
3,280	...	...	...	...	...	...	...
24,860	...	...	...	4,668	...	8,790	...
8,010	...	...	...	...	...	...	...
18,360	...	...	...	...	...	...	...
64,410	...	...	...	16,257	...	40,303	...
20,140	...	...	...	...	...	...	...
5,690	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...
170	...	...	...	...	...	...	...
72,290	93,168	8,402	1,349,145	10,438	...	59,150	...
...	...	...	...	10,998	...	...	...
...	...	...	...	738	...	...	...

**4.1 Inland Capture Fishery Production by Species and by Fishing Area, 2009**  
**4.1.2 In Value (Cont'd)**

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Barbodes balleroides</i>	-	04	...	...
<i>Barbichthys laevis</i>	Sucker barb	04	...	...
<i>Labiobarbus festivus</i>	Signal carp	04	...	...
<i>Puntius bionotatus</i>	Spotted barb	04	...	...
<i>Botia macracanthus</i>	Clown loach	04	...	...
<i>Rasbora argyrotaenio</i>	Silver rasbora	04	...	...
<i>Puntioplites waandersi</i>	-	04	...	...
<i>Cyclohelichthys armatus</i>	-	04	...	...
<i>Cyclohelichthys apogon</i>	Beardless barb	04	...	...
<i>Tor soro</i>	-	04	...	...
<i>Tor douronesis</i>	River carp	04	...	...
<i>Toxotes microlepis</i>	Smallscale archerfish	04	...	...
<i>Thynnichthys vailanti</i>	-	04	...	...
<i>Mastacembelus erythrotaenia</i>	Fire eel	04	...	...
<i>Scleropages formosus</i>	Asian bonytongue	04	...	...
<i>Mystacoleucus marginatus</i>	-	04	...	...
<i>Mystacoleucus padangensis</i>	-	04	...	...
<i>Mystus nigriceps</i>	Mystus wyckii	04	...	...
Ariidae	Sea ccatfishes nei	04	...	...
Mugiidae	Mulletts nei	04	...	...
Gobiidae	Freshwater gobies nei	04	...	...
Natantia	Natantian decapods nei	04	...	...
Crustacea	Freshwater crustaceans nei	04	...	...
Mollusca	Freshwater molluscs nei	04	...	...
Mollusca	Marine molluscs nei	04	...	...
Eleotridae	Gudgeons, sleepers nei	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	...	...
Palaemonidae	Freshwater prawns nei	04	...	...
Crustacea	Freshwater crustaceans nei	04	...	3,600
Bivalvia	Clams, etc, nei	04	...	...
<i>Rana spp.</i>	Frogs	04	...	...
Testudinata	River and lake turtle nei	04	...	...
<i>Invertebrate</i>	Aquatic invertebrates nei	04	...	...

US\$ 1,000							
Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
10	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...
240	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...
2,770	...	...	...	...	...	...	...
2,040	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...
2,610	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...
2,400	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...
1,050	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...
81,040	...	...	...	...	...	...	...
1,310	...	...	...	...	...	...	...
...	...	...	...	1,414	...	...	...
...	...	...	...	1,577	...	...	...
...	...	...	...	7,442	...	...	...
15,260	...	...	...	9,555	...	...	...
...	...	...	...	...	...	...	...
320	...	...	...	...	...	...	...
500	...	...	...	5,412	...	...	...
13,400	...	...	...	...	...	...	...
42,000	...	...	...	4,842	...	...	...
...	...	...	...	535	...	...	...
...	...	...	...	2,614	...	...	...
4,170	...	3,080	...	...	...	20,970	...
130	...	...	...	...	...	414	...
400	...	...	...	...	...	...	...
2,850	...	...	...	...	...	...	...
80	...	...	...	...	...	...	...
1,360	...	...	...	...	...	...	...

## 4.2 Inland Fishery Production by type of water bodies

## 4.2.1 In Quantity

MT

Water Bodies	Brunei Darussalam	Cambodia	Indonesia	Lao PDR
<b>Total</b>	...	<b>390,000</b>	<b>495,610</b>	<b>30,000</b>
Lakes	...	...	226,650	...
Rivers	...	...	204,330	...
Flood plain/ rice fields	...	...	50,500	...
Reservoirs	...	...	13,950	...
Others	...	...	180	...

## 4.2.2 In Value

US\$ 1,000

Water Bodies	Brunei Darussalam	Cambodia	Indonesia	Lao PDR
<b>Total</b>	...	<b>334,845</b>	<b>579,313</b>	<b>93,168</b>
Lakes	...	...	158,008	...
Rivers	...	...	341,035	...
Flood plain/ rice fields	...	...	65,768	...
Reservoirs	...	...	14,297	...
Others	...	...	205	...

MT

Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
4,467	899,430	188,722	...	245,500	...
351		...	...	...	...
2,482	689,710	...	...	...	...
571		...	...	...	...
517	...	...	...	...	...
546	209,720	...	...	...	...

US\$ 1,000

Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
11,481	1,349,145	164,252	...	273,290	...
742		...	...	...	...
7,739	1,034,565	...	...	...	...
1,024		...	...	...	...
960	...	...	...	...	...
1,015	314,580	...	...	...	...



## 5. AQUACULTURE STATISTICS

## 5.1 Aquaculture Production by Species and by Fishing Area, 2009

## 5.1.1 In Quantity

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Cyprinus carpio</i>	Common carp	04	...	...
<i>Labeo rohita</i>	Roho labeo	04	...	...
<i>Cirrhinus mrigala</i>	Mrigal carp	04	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp	04	...	...
<i>Hypophthalmichthys molitrix</i>	Silver carp	04	...	...
<i>Hypophthalmichthys nobilis</i>	Bighead carp	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
<i>Catla catla</i>	Catla	04	...	...
<i>Oreochromis (=Tilapia) spp.</i>	Tilapia nei	04	...	...
<i>Oreochromis (=Tilapia) spp.</i>	Tilapia nei	71	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	71	7.5	...
<i>Notopterus spp.</i>	Knifefishes	04	...	...
<i>Mystus nemurus</i>	Asian redbtail catfish	04	...	...
<i>Clarias spp.</i>	Torpedo-shaped catfishes nei	04	...	...
<i>Pangasius pangasius</i>	Pangas catfish	04	...	...
<i>Pangasius hypophthalmus</i>	Striped catfish	04	...	...
<i>Pangasius spp.</i>	Pangas catfish nei	04	...	...
<i>Monopterus albus</i>	Lai	04	...	...
<i>Anabus testudineus</i>	Climbing perch	04	...	...
<i>Osphronemus gouramy</i>	Giant gourami	04	...	...
<i>Trichogaster spp.</i>	Gouramis	04	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	04	...	...
<i>Channa striata</i>	Striped snakehead	04	...	...
<i>Chana micropeltes</i>	Indonesian snakehead	04	...	...
<i>Oxyeleotris marmoratus</i>	Marble goby	04	...	...
<i>C. gariepinus x C. macrophalus</i>	Catfishes, hybrid	04	...	...
Osteichthyes	Freshwater fishes nei	04	...	...
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Chanos chanos</i>	Milkfish	71	...	...
<i>Lates calcarifer</i>	Giant seaperch (=Barramundi)	57	...	...
<i>Lates calcarifer</i>	Giant seaperch (=Barramundi)	71	39	...

							MT
Indonesia A	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	994	20,916	15,691	...	4,026	...
...	...	...	488,046	...	...	2,375	...
...	...	...	27,888	...	...	852	...
...	...	445	13,944	...	...	...	...
...	...	...	8,367	...	...	270	...
...	...	1,360	...	...	...	...	...
...	...	1,883	...	...	...	...	...
...	...	723	13,944	...	...	57,600	...
...	...	...	41,832	...	...	...	...
...	...	25,225	34,860	71,540	...	...	...
...	...	...	...	8	...	...	...
...	...	10,363	...	...	...	120	...
...	...	...	...	189,363	...	209,021	...
...	...	...	...	...	...	...	...
...	...	...	...	...	...	2	...
...	...	915	...	...	...	...	...
...	...	83,727	6,972	2,892	...	...	...
...	...	18,810	...	...	...	...	...
...	...	...	...	...	...	22,243	...
...	...	...	13,944	...	...	...	1,050,000
...	...	...	...	...	...	10	...
...	...	...	...	...	...	1,216	...
...	...	...	...	175	...	4,915	...
...	...	...	...	...	...	150	...
...	...	...	...	...	...	30,982	...
...	...	...	...	760	...	8,500	...
...	...	1,679	...	...	...	220	...
...	...	30	...	...	...	80	...
...	...	...	...	...	...	136,306	...
967,612	75,000	6,365	60	24	...	5,581	906,600
...	...	...	...	268,435	...	...	...
...	...	...	...	79,153	...	...	...
...	...	8,954	...	...	...	2,027	...
...	...	5,275	...	...	...	13,629	...

Notes: A Database from FAO-Fisheries and Aquaculture Information and Statistics Service

**5.1 Aquaculture Production by Species and by Fishing Area, 2009**  
**5.1.1 In Quantity (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 nei	57	...	...
<i>Epinephelus</i> spp.	Groupers nei	71	4.5	...
<i>Lutjanus argentimaculatus</i>	Mangroves red snapper	57	...	...
<i>Lutjanus argentimaculatus</i>	Mangroves red snapper	71	...	...
<i>Lutjanus johnii</i>	John's snapper	57	...	...
<i>Lutjanus johnii</i>	John's snapper	71	...	...
<i>Lutjanus</i> spp.	Snapperd nei	71	6	...
<i>Siganus</i> spp.	Spinefeet (=Rabbitfishes) nei	04	...	...
<i>Siganus</i> spp.	Spinefeet (=Rabbitfishes) nei	71	...	...
Serranidae	Groupers, seabasses nei	04	...	...
Serranidae	Groupers, seabasses nei	71	...	...
<i>Caranx</i> spp.	Jacks, crevalles nei	71	14.5	...
Osteichthyes	Marine fishes nei	57	...	49,925
Osteichthyes	Marine fishes nei	71	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	04	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	04	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	57	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	71	0.15	...
<i>Penaeus merguensis</i>	Banana prawn	57	...	...
<i>Penaeus merguensis</i>	Banana prawn	71	...	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	57	...	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	71	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	71	15	...
<i>Penaeus indicus</i>	Indian white prawn	71	...	...
<i>Penaeus</i> spp.	Penaeus shrimps nei	71	...	75
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	71	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	71	...	...
<i>Thenus orientalis</i>	Flathead lobster	71	...	...
<i>Crassostrea iredalei</i>	Slipper copped oyster	71	...	...
<i>Crassostrea</i> spp.	Cupped oysters nei	57	...	...
<i>Crassostrea</i> spp.	Cupped oysters nei	71	...	...

								MT
Indonesia A	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	
...	...	2,740	...	...	...	...	...	
...	...	1,066	...	...	...	...	...	
...	...	...	45	...	...	2,969	...	
...	...	...	...	...	...	826	...	
...	...	3,161	...	...	...	...	...	
...	...	1,564	...	...	...	...	...	
...	...	2,247	...	...	...	...	...	
...	...	359	...	...	...	...	...	
...	...	...	...	8	...	...	...	
...	...	...	...	94	...	...	...	
...	...	...	...	101	...	...	...	
...	...	...	...	59	...	...	...	
...	...	...	...	862	...	...	...	
...	...	...	...	32	...	...	...	
370,321	...	1,291	...	...	...	...	...	
...	...	6,763	...	3,673	...	15	6,000	
...	...	552	2,881	29	...	32,175	...	
...	...	...	...	13,720	...	...	...	
...	...	13	4,360	...	...	...	...	
...	...	1	...	10	...	25	...	
...	...	29,721	...	...	...	...	...	
...	...	23,206	...	2,204	...	403	9,000	
...	...	...	...	...	...	135,000	...	
...	...	...	...	...	...	400,000	36,000	
...	...	4,530	46,104	...	...	500	...	
...	...	11,821	...	47,830	...	3,000	316,000	
...	...	...	...	...	...	...	11,000	
...	...	...	...	...	...	50	...	
...	...	...	...	801	...	...	...	
...	...	...	...	64	...	...	1,003	
...	...	...	...	2	...	...	...	
...	...	...	...	19,931	...	...	...	
...	...	13	...	...	...	672	...	
...	...	2,115	...	...	...	17,723	...	

Notes: A Database from FAO-Fisheries and Aquaculture Information and Statistics Service

**5.1 Aquaculture Production by Species and by Fishing Area, 2009**  
**5.1.1 In Quantity (Cont'd)**

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Anadara granosa</i>	Blood cockle	57	...	...
<i>Anadara granosa</i>	Blood cockle	71	...	...
<i>Perna viridis</i>	Green mussel	57	...	...
<i>Perna viridis</i>	Green mussel	71	...	...
-	Marine molluscs nei	71	...	...
-	Freshwater crustaceans	04	...	...
<i>Rana spp.</i>	Frogs	04	...	...
<i>Trionyx sinensis</i>	Soft-shell turtle	04	...	...
<i>Euchema cottonii</i>	Zanzibar wees	71	...	...
<i>Euchema denticulatum</i>	Spiny euchema	71	...	...
<i>Gracilaria spp.</i>	Gracilaria seaweeds	71	...	...
<i>Caulerpa spp.</i>	Caulerpa seaweeds	71	...	...
<i>Kappaphycus alvarezii</i>	Elkhorn sea moss	57	...	...
-	Aquatic plants nei	71	...	...
<i>Clarius gariepinus</i>	African catfish	04	13	...
<i>Penaeus stylirostris</i>	Blue shrimp	71	339	...
-	Marine crustaceans	57,71	...	...
Invertebrata	Aquatic invertebrates nei	57,71	...	...

							MT
Indonesia A	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	64,859	...	...	...	596	...
...	...	79	...	...	...	67,258	...
...	...	110	...	...	...	3,338	...
...	...	10,486	...	19,936	...	227,340	...
...	...	...	...	...	...	...	165,000
706	...	...	...	..	...	...	38,697
...	...	...	...	...	...	1,450	...
...	...	...	...	...	...	2,545	...
...	...	...	...	1,462,203	...	...	...
...	...	...	...	112,222	...	...	...
...	...	...	...	2,308	...	...	...
...	...	...	...	3,881	...	...	...
...	...	...	...	...	...	...	...
2,963,556	...	...	...	159,381	...	...	...
...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...
344,970	...	...	...	...	...	...	...
16,490	...	...	...	...	...	...	...

Notes: A Database from FAO-Fisheries and Aquaculture Information and Statistics Service

## 5.1 Aquaculture Production by Species and by Fishing Area, 2009

## 5.1.2 In Value

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Cyprinus carpio</i>	Common carp	04	...	...
<i>Labeo rohita</i>	Roho labeo	04	...	...
<i>Cirrhinus mrigala</i>	Mrigal carp	04	...	...
<i>Ctenopharyngodon idellus</i>	Grass carp	04	...	...
<i>Hypophthalmichthys molitrix</i>	Silver carp	04	...	...
<i>Hypophthalmichthys nobilis</i>	Bighead carp	04	...	...
<i>Leptobarbus hoeveni</i>	Hoven's carp	04	...	...
<i>Barbonymus gonionotus</i>	Silver barb	04	...	...
<i>Catla catla</i>	Catla	04	...	...
<i>Oreochromis (=Tilapia) spp.</i>	Tilapia nei	04	...	...
<i>Oreochromis (=Tilapia) spp.</i>	Tilapia nei	71	...	...
<i>Oreochromis mossambicus</i>	Mozambique tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	04	...	...
<i>Oreochromis niloticus</i>	Nile tilapia	71	63.45	...
<i>Notopterus spp.</i>	Knifefishes	04	...	...
<i>Mystus nemurus</i>	Asian redbtail catfish	04	...	...
<i>C. gariepinus x C. macrocephalus</i>	Catfish, hybrid	04	...	...
<i>Clarias spp.</i>	Torpedo-shaped catfishes nei	04	...	...
<i>Pangasius pangasius</i>	Pangus catfish	04	...	...
<i>Pangasius hypophthalmus</i>	Striped catfish	04	...	...
<i>Pangasius spp.</i>	Pangas catfish nei	04	...	...
<i>Monopterus albus</i>	Lai	04	...	...
<i>Anabus testudineus</i>	Climbing perch	04	...	...
<i>Osphronemus goramy</i>	Giant gourami	04	...	...
<i>Trichogaster spp.</i>	Gouramis	04	...	...
<i>Trichogaster pectoralis</i>	Snakeskin gourami	04	...	...
<i>Channa striata</i>	Striped snakehead	04	...	...
<i>Channa micropeltes</i>	Indonesian snakehead	04	...	...
<i>Oxyeleotris mamoratus</i>	Marble goby	04	...	...
Osteichthyes	Freshwater nei	04	...	...
<i>Chanos chanos</i>	Milkfish	04	...	...
<i>Chanos chanos</i>	Milkfish	71	...	...
<i>Lates calcarifer (Barramundi)</i>	Giant seaperch	57	...	...
<i>Lates calcarifer (Barramundi)</i>	Giant seaperch	71	553	...
<i>Epinephalus tauvina</i>	Greasy grouper	57	...	...
<i>Epinephalus tauvina</i>	Greasy grouper	71	...	...

US\$ 1,000							
Indonesia A	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	1,434	16,733	7,832	...	3,752	...
...	...	...	439,241	...	...	2,275	...
...	...	...	50,198	...	...	813	...
...	...	910	11,155	...	...	...	...
...	...	...	5,857	...	...	257	...
...	...	2,241	...	...	...	...	...
...	...	9,765	...	...	...	...	...
...	...	1,287	8,366	...	...	52,207	...
...	...	...	50,198	...	...	...	...
...	...	44,766	24,402	109,287	...	...	...
...	...	...	...	13	...	...	...
...	...	17,903	...	...	...	114	...
...	...	...	...	248,812	...	196,328	...
...	...	...	...	...	...	...	...
...	...	...	...	...	...	2	...
...	...	3,027	...	...	...	...	...
...	...	...	...	...	...	139,780	...
...	...	102,512	12,550	4,807	...	...	...
...	...	38,974	...	...	...	...	...
...	...	...	...	...	...	14,479	...
...	...	...	11,155	...	...	...	1,575,000
...	...	...	...	...	...	20	...
...	...	...	...	...	...	1,966	...
...	...	...	...	174	...	8,696	...
...	...	...	...	...	...	87	...
...	...	...	...	...	...	40,290	...
...	...	...	...	1,206	...	17,329	...
...	...	3,212	...	...	...	316	...
...	...	336	...	...	...	699	...
1,466,275	...	21,056	...	21	...	6,299	1,359,900
...	...	...	...	450,278	...	...	...
...	...	...	...	152,856	...	...	...
...	...	32,019	150	...	...	7,095	...
...	...	22,310	...	...	...	44,457	...
...	...	17,798	...	...	...	24,048	...
...	...	11,420	...	...	...	...	...

Notes: A Database from FAO-Fisheries and Aquaculture Information and Statistics Service



**5.1 Aquaculture Production by Species and by Fishing Area, 2009**  
**5.1.2 In Value (Cont'd)**

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
<i>Epinephelus</i> spp.	Groupers nei	57	...	...
<i>Epinephelus</i> spp.	Groupers nei	71	76	...
<i>Lutjanus argentimaculatus</i>	Mangroves red snapper	57	...	...
<i>Lutjanus argentimaculatus</i>	Mangroves red snapper	71	...	...
<i>Lutjanus johnii</i>	John's snapper	57	...	...
<i>Lutjanus johnii</i>	John's snapper	71	...	...
<i>Lutjanus</i> spp.	Snappers nei	71	82	...
Serranidae	Groupers, seabasses nei	04	...	...
Serranidae	Groupers, seabasses nei	71	...	...
<i>Siganus</i> spp.	Spinefeet (=Rabbitfishes) nei	04	...	...
<i>Siganus</i> spp.	Spinefeet (=Rabbitfishes) nei	71	...	...
<i>Caranx</i> spp.	Jacks, crevalles nei	71	204	...
Osteichthyes	Marine fishes nei	57	...	...
Osteichthyes	Marine fishes nei	71	...	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	04	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	04	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	57	...	...
<i>Scylla serrata</i>	Indo-pacific swamp crab	71	1	...
<i>Penaeus merguensis</i>	Banana prawn	57	...	...
<i>Penaeus merguensis</i>	Banana prawn	71	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	57	...	...
<i>Penaeus monodon</i>	Giant tiger prawn	71	224	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	57	...	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	71	...	...
<i>Penaeus indicus</i>	Indian white prawn	71	...	...
<i>Penaeus</i> spp.	Penaeus shrimps nei	71	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	71	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	71	...	...
<i>Thenus orientalis</i>	Flathead lobster	71	...	...
<i>Crassostrea iredalei</i>	Slipper cupped oyster	71	...	...
<i>Crassostrea</i> spp.	Cupped oysters nei	57	...	...
<i>Crassostrea</i> spp.	Cupped oysters nei	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	...	...

US\$ 1,000							
Indonesia A	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...
...	...	12,327	...	...	...	...	...
...	...	7,034	...	...	...	...	...
...	...	10,165	...	...	...	...	...
...	...	1,793	...	...	...	...	...
...	...	...	...	31	...	...	...
...	...	...	...	466	...	...	...
...	...	...	...	20,657	...	...	...
...	...	...	...	396	...	...	...
...	...	...	...	252	...	...	...
...	...	...	...	108	...	...	...
480,905	...	2,200	...	...	...	...	...
...	...	16,780	...	15,087	...	28	9,000
...	...	4,732	360	153	...	131,193	...
...	...	...	...	77,782	...	...	...
...	...	51	...	...	...	...	...
...	...	5	14,404	64	...	135	...
...	...	92,285	23,980	...	...	...	...
...	...	79,295	...	6,002	...	1,878	36,000
...	...	28,452	...	...	...	1,646	1,264,000
...	...	74,627	...	392,115	...	10,048	...
...	...	...	...	...	...	404,980	...
...	...	...	...	...	...	1,223,242	144,000
...	...	...	184,416	...	...	...	44,000
...	...	...	...	...	...	87	...
...	...	...	...	3,256	...	...	...
...	...	...	...	19,433	...	...	...
...	...	...	...	21	...	...	...
...	...	...	...	2,850	...	...	...
...	...	4	...	...	...	705	...
...	...	3,548	...	...	...	11,098	...
...	...	50	...	...	...	1,092	...
...	...	7,345	...	3,852	...	20,923	...
...	...	29,206	...	...	...	429	...
...	...	42	...	...	...	37,591	...

Notes: A Database from FAO-Fisheries and Aquaculture Information and Statistics Service

**5.1 Aquaculture Production by Species and by Fishing Area, 2009**  
**5.1.2 In Value (Cont'd)**

Scientific Name	FAO English Name	Fishing Area	Brunei Darussalam	Cambodia
-	Freshwater crustacea	04	...	...
<i>Rana</i> spp.	Frogs	04	...	...
<i>Trionyx simensis</i>	Soft-shell turtle	04	...	...
-	Marine molluscs nei	71	...	...
<i>Euchema cottonii</i>	Zanzibar weed	71	...	...
<i>Euchema denticulatum</i>	Spiny euchema	71	...	...
<i>Caulerpa</i> spp.	Caulerpa seaweeds	71	...	...
<i>Gracilaria</i> spp.	Gracilaria seaweeds	71	...	...
<i>Kappaphycus alvarezii</i>	Elkhorn sea moss	57	...	...
<i>Kappaphycus alvarezii</i>	Elkhorn sea moss	71	...	...
<i>Clarius gariepinus</i>	African catfish	04	82.55	...
<i>Penaeus stylirostris</i>	Blue shrimp	71	3,875	...
-	Marine crustacean	57,71	...	...
Invertebrata	Aquatic invertebrates nei	57,71	...	...
-	Aquatic plants nei	57,71	...	...

US\$ 1,000							
Indonesia A	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
3,231	...	...	...	...	...	...	270,879
...	...	...	...	...	...	2,534	...
...	...	...	...	...	...	13,713	...
...	...	...	...	...	...	...	165,000
...	...	...	...	176,580	...	...	...
...	...	...	...	3,614	...	...	...
...	...	...	...	2,214	...	...	...
...	...	...	...	242	...	...	...
...	...	...	...	...	...	...	...
...	...	...	...	20,497	...	...	...
...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...
1,253,968	...	...	...	...	...	...	...
9,537	...	...	...	...	...	...	...
811,822	...	...	...	...	...	...	...

Notes: A Database from FAO-Fisheries and Aquaculture Information and Statistics Service

## 5.2 Aquaculture Production by Species of Ornamental Fishes, 2009

### 5.2.1 In Quantity

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Cyprinus carpio</i>	Common carp	...	...	...
Cyprinidae	Carps, barbels and cyprinids	...	...	...
<i>Carassius auratus</i>	Gold fish	...	...	...
<i>Pterophyllum scalar</i>	Angle fish	...	...	...
<i>Symphysodon aequifasciatus</i>	Blue discus	...	...	...
<i>Ancistrus</i> spp.	Sucker	...	...	...
<i>Cichlasoma</i> spp.	Flower horn	...	...	...
<i>Astronotus ocellatus</i>	Oscar	...	...	...
Anabantids	-	...	...	...
Poecilids	-	1,403	...	...
Characins	-	...	...	...
Cichlid	-	...	...	...
Osteoglossids	-	...	...	...
Callichthyids	-	...	...	...
Cobitids	-	...	...	...
Osteichthyes	Freshwater fishes nei	...	...	...

### 5.2.2 In Value

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Cyprinus carpio</i>	Common carp	...	...	...
Cyprinidae	Carps, barbels and cyprinids	...	...	...
<i>Carassius auratus</i>	Gold fish	...	...	...
<i>Pterophyllum scalar</i>	Angle fish	...	...	...
<i>Symphysodon aequifasciatus</i>	Discus	...	...	...
<i>Ancistrus</i> spp.	Sucker	...	...	...
<i>Cichlasoma</i> spp.	Flower horn	...	...	...
<i>Astronotus ocellatus</i>	Oscar	...	...	...
Anabantids	-	...	...	...
Poecilids	-	8,902	...	...
Characins	-	...	...	...
Cichlid	-	...	...	...
Osteoglossids	-	...	...	...
Callichthyids	-	...	...	...
Cobitids	-	...	...	...
Osteichthyes	-	...	...	...

1,000 pcs.						
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	125	...	...	...	...
...	249,759	250	...	...	...	...
...	...	1,200	...	...	...	...
...	...	205	...	...	...	...
...	...	25	...	...	...	...
...	...	80	...	...	...	...
...	...	100	...	...	...	...
...	...	15	...	...	...	...
...	32,423	...	...	...	...	...
...	166,807	...	...	...	...	...
...	44,171	...	...	...	...	...
...	7,418	...	...	...	...	...
...	317	...	...	...	...	...
...	7	...	...	...	...	...
...	173	...	...	...	...	...
...	6,141	...	...	120,459	...	...
US\$ 1,000						
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	...	5	...	...	...	...
...	114,895	20	...	...	...	...
...	...	120	...	...	...	...
...	...	14	...	...	...	...
...	...	9	...	...	...	...
...	...	3	...	...	...	...
...	...	10	...	...	...	...
...	...	1	...	...	...	...
...	15,672	...	...	...	...	...
...	30,844	...	...	...	...	...
...	8,783	...	...	...	...	...
...	10,515	...	...	...	...	...
...	42,679	...	...	...	...	...
...	3	...	...	...	...	...
...	20	...	...	...	...	...
...	1,770	...	...	31,282	...	...

## 5.3 Seed Production from Aquaculture, 2009

## 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 facilitates
<i>Clarius gariepinus</i>	African catfish	...	...	...	1
<i>Macrobrachium rosenbergii</i>	Giant river prawn	40,000	40,000	...	1
<i>Oreochromis niloticus</i>	Nile tilapia	29,360	...	29,360	1
<i>Lates calcarifer</i>	Barramundi (=Giant seaperch)	45,455	...	45,455	1
<i>Penaeus stylirostris</i>	Blue shrimp	19,832,385	...	19,832,385	1
<i>Penaeus monodon</i>	Giant tiger prawn	1,804,074	...	1,804,074	1

## 5.3 Seed Production from Aquaculture, 2009

## 5.3.2 Cambodia

Scientific Name	FAO English Name	Total (million pcs.)	Wild Stock (million pcs.)	Aquaculture Practices (million pcs.)	No. of operational units or facilitates
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb				
<i>Barbonymus gonionotus</i>	Silver barb				
<i>Trichogaster pectoralis</i>	Snakeskin gourami				
<i>Anabas testudineus</i>	Climbing perch				
<i>Channa striata</i>	Snakehead murred				
<i>Pangasianodon hypophthalmus</i>	Sutchi catfish	73.25	3.5	69.75	
<i>Clarias macrocephalus</i>	Broadhead catfish				
<i>Clarias gariepinus</i>	-				
<i>Macrobrachium rosenbergii</i>	Giant freshwater prawn				
<i>Oreochromis niloticus</i>	Nile tilapia				
<i>Cyprinus carpio</i>	Common carp				
Crustacea	Freshwater crustaceans nei				

### 5.3 Seed Production from Aquaculture, 2009

#### 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 facilitates
<i>Puntius gonionotus</i>	Javanese carp	11.82	...	11.82	328
<i>Cyprinus carpio</i>	Common carp	13.07	...	13.07	
<i>Trichogaster pectoralis</i>	Snakeskin gouramy	0.09	...	0.09	
<i>Oreochromis niloticus</i>	Tilapia nilotica	1.33	...	1.33	
<i>Oreochromis spp.</i>	Red tilapia	61	...	61	
<i>Ctenopharyngodon idellas</i>	Grass carp	0.18	...	0.18	
<i>Leptobarbus ocellatus</i>	Hoeveni's slender carp	0.96	...	0.96	
<i>Clarias macrocephalus</i>	Walking catfish	646.14	...	646.14	
<i>Mystus spp.</i>	River catfish	0.18	...	0.18	
<i>Pangasius sutchi</i>	Striped catfish	98.18	...	98.18	
<i>Epinephelus spp.</i>	Grouper	125.65	...	125.65	
<i>Lates calcarifer</i>	Barramundi	424.32	...	424.32	
<i>Lutjanus johni</i>	John's snapper	4.07	...	4.07	
<i>Perna viridis</i>	Green mussel	25.78	...	25.78	
<i>Crassostrea spp.</i>	Oysters	0.05	...	0.05	
<i>Penaeus monodon</i>	Tiger prawn	2,024	...	2,024	
<i>Penaeus merguensis</i>	Banana prawn	4,915	...	4,915	
<i>Macrobrachium rosenbergii</i>	Giant freshwater prawn	32	...	32	
<i>Penaeus vannamei</i>	White shrimp	3,128	...	3,128	
Osteichthyes	Freshwater fish nei	70	...	70	



## 5.3 Seed Production from Aquaculture, 2009

## 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 facilitates
<i>Labeo rohita</i>	Roho labeo	518	134	384	26
<i>Cyprinus carpio</i>	Common carp	47	15	33	26
<i>Catla catla</i>	Catla	5	0.3	5	26
<i>Cirrhinus mrigala</i>	Mrigal	2	0.12	2	26
<i>Ctenopharyngodon idellus</i>	Grass carp	6	4	2	26
<i>Hypophthalmichthys molitrix</i>	Silver carp	3	0.41	3	26
<i>Tilapia spp.</i>	Tilapia	12	5	8	26
<i>Pangasianodon hypophthalmus</i>	Pangas catfish	10	0.01	10	26
<i>Barbodes gonionotus</i>	Silver barb	67	45	22	26
<i>Macrobrachium rosenbergii</i>	Giant river prawn	50	0.2	50	20
<i>Penaeus monodon</i>	Giant tiger shrimp	52	2	51	37

## 5.3 Seed Production from Aquaculture, 2009

## 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 facilitates
<i>Lutjanus erythroterus</i>	Crimson snapper	2.45	...	2.45	1
<i>Lates calcarifer</i>	Asian seabass	3.30	...	3.30	3
<i>Gnathanodon speciosus</i>	Golden trevally	0.61	...	0.61	2
<i>Epinephelus fuscoguttatus</i>	Tiger grouper	0.01	...	0.01	2
<i>Elutheronema tetradactylum</i>	Four finger threadfin	0.05	...	0.05	1
<i>Caranx ignobilis</i>	Giant trevally	0.01	...	0.01	1

Note: There are 6 hatchery units of which 3 are in production



## 6. PRICE OF FRESH FISH

## 6.1 Producer Price for Capture Fishery Production by Species, 2009

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Cyprinus carpio</i>	Common carp	...	2	1.62
<i>Labeo rohita</i>	Roho labeo	...	1.25	...
<i>Ctenopharyngodon idellus</i>	Grass carp	...	1.75	1.61
<i>Hypophthalmichthys nobilis</i>	Bighead carp	...	1.75	...
<i>Osteochilus haseltii</i>	Nilem carp	...	...	1.19
<i>Leptobarbus hoeveni</i>	Hoven's carp	...	1.75	0.82
<i>Barnonymus gonionotus</i>	Silver barb	...	1.75	1.45
<i>Puntius binotatus</i>	Spotted barb	...	...	0.56
<i>Catla catla</i>	Catla	...	1.75	...
<i>Cyclocheilichthys apogon</i>	Breadless barb	...	...	0.66
<i>Hampala macrolepidota</i>	Hampala barb	...	...	2.05
<i>Labiobarbus festivus</i>	Singal carp	...	...	1.61
<i>Rasbora argyrotaenia</i>	Silver rasbora	...	...	1.73
<i>Thynnichtys vaillanti</i>	-	...	...	1.47
<i>Tor soro</i>	-	...	...	1.40
<i>Tor douronensis</i>	River carp	...	...	1.40
<i>Barbichthys laevis</i>	Sucker barb	...	...	1.36
<i>Barbodes balleroides</i>	-	...	...	0.70
<i>Barbonymus schwanenfeldii</i>	Tinfoil barb	...	...	1.68
<i>Mystacoleucus marginatus</i>	-	...	...	0.51
<i>Mystacoleucus padangensis</i>	-	...	...	0.43
<i>Puntioplites waandersi</i>	-	...	...	1.14
<i>Oreochromis mossambicus</i>	Mozambique tilapia	...	1.75	1.15
<i>Oreochromis niloticus</i>	Nile tilapia	...	1.75	1.07
<i>O. niloticus x O. mossambicus</i>	Red tilapia	...	...	...
<i>Chitala lopis</i>	Giant featherback	...	...	3.25
<i>Chitala ornata</i>	Spotted featherback	...	...	...
<i>Notopterus notopterus</i>	Grey featherback	...	...	...
<i>Kryptopterus spp.</i>	Glass catfishes	...	...	2.19
<i>Ompok bimaculatus</i>	Butter catfishes	...	...	4.84
<i>Mystus nemurus</i>	Asian redbtail catfish	...	...	1.99
<i>Mystus nigriceps</i>	-	...	...	1.75



### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Mystus</i> spp.	-	...	2.3	...
<i>Clarias bartrachus</i>	Philippine catfish	...	1.75	...
<i>Clarias macrocephalus</i>	Bighead catfish	...	1.75	...
<i>Clarias nieuhofii</i>	Freshwater catfish	...	1.75	...
<i>Clarias</i> spp.	Torpedo-shaped catfishes nei	...	1.75	1.78
<i>Pangasius pangasius</i>	Pangas catfish	...	1.25	...
<i>Pangasius hypophthalmus</i>	Striped catfish	...	1.25	...
<i>Pangasius larnaudii</i>	Spot pangasius	...	2	...
<i>Pangasius micronemus</i>	Shortbarbel pangasius	...	1.5	...
<i>Pangasius djambal</i>	-	...	1.25	2.57
<i>Pangasius sutchi</i>	Pangas catfishes	...	...	...
<i>Pangasius</i> spp.	Pangas catfishes nei	...	2.3	...
<i>Anguilla bicolor</i>	River eel	...	1.4	...
<i>Anguilla japonica</i>	Japanese eel	...	1.25	...
<i>Anguilla anebulosa</i>	River eel	...	1.25	...
<i>Anguilla</i> spp.	River eel nei	...	1.25	1.82
<i>Monopterus albus</i>	Swam eel	...	...	...
<i>Anabus testudineus</i>	Climbing perch	...	...	2.29
<i>Osphronemus gourami</i>	Giant gourami	...	...	1.88
<i>Trichogaster pectoralis</i>	Snakeskin gourami	...	...	1.36
<i>Trichogaster trichopterus</i>	Three spot gourami	...	...	0.88
<i>Helostoma temminckii</i>	Kissing gourami	...	...	1.45
<i>Chana striata</i>	Striped snakehead	...	2.75	2.1
<i>Chana micropeltes</i>	Indonesian snakehead	...	2.5	2.51
<i>Chana lucirus</i>	Snakehead	...	2.6	...
<i>Chana</i> spp.	Snakeheads nei	...	2.6	...
<i>Oxyeleotris mamoratus</i>	Marble goby	...	4.25	...
<i>Cirrhinus microlepis</i>	Small scale mud carp	...	...	...
<i>Macrognathus siamensis</i>	Spotfined spinyeel	...	...	...
<i>Mastacembelus erythrotaenia</i>	Fire eel	...	...	1.05
<i>Pristolepis fasciata</i>	Malayan leaffish	...	...	1.56
<i>Chromobotia macrocanthus</i>	Clown loach	...	...	1.49
<i>Micronema bleekeri</i>	Whisker sheatfish	...	...	...
<i>Toxotes microlepis</i>	Smallscale archerfish	...	...	0.28

							US\$/kg.
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	1.02	...	
...	...	...	...	1.38	...	...	
...	1.22	...	1.41	...	...	...	
...	2.06	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	6.61	...	...	
...	...	...	...	...	0.70	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	1.80	...	...	...	
...	...	...	...	...	3.20	...	
...	...	...	...	...	1.60	...	
...	...	...	...	...	1.83	...	
...	...	...	...	...	1.37	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	1.55	...	2.91	...	
...	...	...	...	3.63	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	11.11	...	...	18.53	...	...	
...	...	...	...	...	0.73	...	
...	...	...	...	...	1.46	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	4.81	...	
...	...	...	...	...	...	...	

### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Anodontostoma chacunda</i>	Chacunda gizzard shad	3	1.25	0.57
<i>Hilsa kelee</i>	Kelee shad	...	1.25	...
<i>Tennulosa ilisha</i>	Hilasa shad	...	1.5	...
<i>Tennulosa toli</i>	Toli shad	...	1.5	0.97
<i>Chanos chanos</i>	Milkfish	...	...	...
<i>Lates calcarifer</i>	Giant seaperch	8.51	3.25	1.73
Pleuronectiformes	Flastfishes nei	...	...	1.5
<i>Psettodes erumei</i>	Indian halibut	...	...	0.79
<i>Harpodon nehereus</i>	Bombay-duck	...	...	1.16
<i>Saurida tumbil</i>	Greater lizardfish	1.42	0.75	0.87
<i>Saurida</i> spp.	Lizard fishes	1.42	0.75	...
<i>Trachinocephalus myops</i>	Snakefish	0.71	0.75	...
<i>Arius</i> spp.	Sea catfishes	2.13	1.5	...
Ariidae	Sea catfishes nei	...	...	0.88
Mugilidae	Mulletts nei	...	...	0.80
<i>Mugil cephalus</i>	Flathead grey mullet	...	...	...
<i>Caesio</i> spp.	Fusillers caesio nei	1.77	...	...
<i>Anyperodon leucogrammicus</i>	Slender grouper	4.26	5.5	...
<i>Epinephelus merra</i>	Honeycomb grouper	4.26	5.25	1.76
<i>Epinephelus tauvina</i>	Greasy grouper	4.26	5.25	1.78
<i>Epinephelus guttatus</i>	Red hind	4.26	5.3	...
<i>Epinephelus malabaricus</i>	Malabar grouper	4.26	5.5	...
<i>Epinephelus coioides</i>	Orange-spotted grouper	...	10.5	...
<i>Epinephelus fuscoguttatus</i>	Brown-marbled grouper	...	...	...
<i>Epinephelus</i> spp.	Groupers nei	4.26	10.5	...
<i>Cephalopholis boenak</i>	Chocolate hind	...	5.25	2.43
<i>Cephalopholis</i> spp.	Grouper	...	6	...
<i>Cromileptes altivelis</i>	Humpback grouper	21.28	35	4.13
<i>Plectropomus maculatus</i>	Spotted coral grouper	4.26	17	...
<i>Plectropomus leopardus</i>	Leopard coral grouper	4.26	5.5	3.41
<i>Plectropomus</i> spp.	Groupers	4.26	5.5	...
<i>Priacanthus macracanthus</i>	Red bigeye	...	...	0.95
<i>Priacanthus</i> spp.	Bigeye nei	...	...	0.70
<i>Sillago sihama</i>	Silver sillago	...	...	0.72
Sciaenidae	Croakers, drums nei	...	...	0.79

US\$/kg.						
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
...	0.73	...	...	...	...	...
...	4.01	...	...	...	...	...
...	...	5	...	...	...	...
...	...	3	...	...	4.31	...
...	...	3	1.18	1.65	...	...
...	3.56	5	...	5.37	2.85	...
...	...	...	...	...	...	...
...	...	...	...	...	1.46	...
...	0.82	2	...	...	...	...
...	...	...	...	...	...	...
...	0.50	...	...	...	1.02	...
...	...	...	...	...	...	...
...	1.26	2	...	...	1.31	...
...	...	...	...	...	...	...
...	...	...	...	...	3.32	...
...	...	...	...	2.76	...	...
...	1.50	...	1.24	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	13.04	...	...
...	...	...	...	9.14	...	...
...	4.82	3	...	...	4.37	...
...	...	...	...	...	...	...
...	...	...	2.91	...	...	...
...	...	...	...	...	...	...
...	...	...	...	20.07	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	1.02	...
...	...	...	...	...	1.75	...
...	...	...	...	...	0.87	...



### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Lutjanus johnii</i>	John's snapper	...	...	...
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper	...	...	...
<i>Lutjanus erythropterus</i>	Crimson snapper	...	...	...
<i>Lutjanus</i> spp.	Snappers nei	...	...	1.92
<i>Nemipterus hexodon</i>	Ornate threadfin bream	2.13	1.75	...
<i>Nemipterus</i> spp.	Threadfin breams nei	2.13	1.75	1.03
<i>Leiognathus</i> spp.	Ponyfishes	2.13	0.75	0.63
<i>Plectorhinchus</i> spp.	Sweetlips	...	...	...
Haemulidae (=Pomadasyidae)	Grunts, sweetlips nei	...	...	1.41
Lethrinidae	Emperors (=Scavengers) nei	...	...	0.87
<i>Upeneus sulphureus</i>	Sulphur goatfish	...	...	0.21
<i>Upeneus vittatus</i>	Yellowstriped goatfish	...	...	0.67
<i>Cheilinus undulatus</i>	Humphead wrasse	...	...	1.46
<i>Eleutheronema tetradactylum</i>	Four finger threadfin	...	...	0.67
<i>Polynemus</i> spp.	Threadfins	...	...	1.50
<i>Siganus virgatus</i>	Barhead spinefoot	...	...	0.79
<i>Siganus</i> spp.	Spinefeet nei	...	...	1.85
<i>Siganus jarus</i>	Rabbit fish	...	...	...
<i>Trichiurus lepturus</i>	Largehead hairtail	...	...	...
<i>Trichiurus</i> spp.	Hairtails nei	...	...	0.78
<i>Amblygaster sirm</i>	Spotted sardinella	0.71	1	0.13
<i>Sardinella brachysoma</i>	Deepbody sardinella	0.71	1	...
<i>Sardinella gibbosa</i>	Goldstripe sardinella	0.71	1	0.75
<i>Sardinella longiceps</i>	Indian oil sardine	...	1	...
<i>Sardinella fimbriata</i>	Fringescale sardine	0.71	1	...
<i>Sardinella lemuru</i>	Bali sardinella	...	1	0.41
<i>Sardinella</i> spp.	Sardinellas nei	0.71	1	...
<i>Dussumieria acuta</i>	Rainbow sardinella	0.71	1	0.48
<i>Dussumieria</i> spp.	Rainbow sardinella nei	0.71	1	...
<i>Stolephorus</i> spp.	Stolephorus anchovies	1.42	0.75	1.25
<i>Chirocentrus dorab</i>	Dorab wolf-herring	...	...	...
<i>Chirocentrus</i> spp.	Wolf-herrings nei	...	...	1.10
<i>Auxis thazard</i>	Frigate tuna	...	...	0.93
<i>Auxis rochei</i>	Bullet tuna	...	...	1.48
<i>Euthynnus affinis</i>	Kawakawa	...	...	1.14



### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Katsuwonus pelamis</i>	Skipjack tuna	...	...	0.95
<i>Thunnus tonggol</i>	Longtail tuna	...	...	1.45
<i>Thunnus alalunga</i>	Albacore tuna	...	...	2.15
<i>Thunnus maccoyii</i>	Southern bluefin tuna	...	...	1.23
<i>Thunnus obesus</i>	Bigeye tuna	...	...	1.23
<i>Thunnus albacares</i>	Yellowfin tuna	3.55	...	1.58
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	...	...	0.93
<i>Makaira indica</i>	Black marlin	...	...	1.51
<i>Makaira nigricans</i>	Atlantic blue marlin	...	...	2.65
<i>Tetrapturus audax</i>	Striped marlin	...	...	3.28
<i>Xiphias gladius</i>	Swordfish	...	...	1.59
<i>Scomberomorus commerson</i>	Narrow-barred Spanish mackerel	...	...	1.77
<i>Scomberomorus guttatus</i>	Indo-Pacific king mackerel	...	...	2.44
<i>Scomberomorus</i> spp.	Seerfishes nei	...	...	...
<i>Sarda orientalis</i>	Striped bonito	...	...	0.85
<i>Tylosurus</i> spp.	Needlefishes nei	...	...	0.56
<i>Hemiramphus</i> spp.	Halfbeaks nei	...	...	0.56
Exocoetidae	Flyingfishes nei	...	...	1.38
<i>Lactarius lactarius</i>	Flase trevally	...	...	1.02
<i>Rachycentron canadum</i>	Cobia	...	...	...
<i>Decapterus kurroides</i>	Red tail scad	...	1	...
<i>Decapterus macrosoma</i>	Shortfin scad	1.77	1.25	...
<i>Decapterus russelli</i>	Indian scad	1.42	1	...
<i>Decapterus macarellus</i>	Mackerel scad	...	1.25	...
<i>Decapterus</i> spp.	Scads nei.	...	1	0.69
<i>Caranx melampygus</i>	Bluefin travally	...	1	...
<i>Caranx sexfasciatus</i>	Bigeye travally	3.55	1.5	...
<i>Caranx tille</i>	Tille travally	3.55	1	...
<i>Caranx</i> spp.	Jacks, crevalles nei	...	...	1.27
Carangidae	Carangids nei	...	...	...
<i>Trachinotus blochii</i>	Snubnose pompano	...	1.75	...
<i>Alectis indicus</i>	Indian threadfish	3.55	1	...
<i>Carangoides</i> spp.	Horse mackerel	3.55	1	...
<i>Gnathanodon speciosus</i>	Golden trevally	3.55	1.5	...
<i>Upeneus</i> spp.	Indian goatfish	...	...	1.12
<i>Uraspis uraspis</i>	Whitemouth jack	2.84	...	...

							US\$/kg.
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	
...	...	...	...	...	...	...	
...	...	...	...	...	1.83	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	1.90	...	1.64	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	4.31	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	5.24	...	
...	...	...	...	6.9	2.77	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	1.20	2.5	1.05	...	...	...	
...	...	...	...	...	...	...	
...	2.80	...	...	...	...	...	
...	4.61	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	1.11	...	
...	...	...	...	...	...	...	
...	2.50	...	...	...	...	...	
...	2.62	...	...	...	...	...	
...	2.44	...	...	6.24	0.73	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	

### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Alepes djeddaba</i>	Shrimp scad	2.84	1	...
<i>Atule mate</i>	Yellowtail scad	2.84	1	...
<i>Alepes</i> spp.	Scads	2.84	1	...
<i>Selar crumenophthalmus</i>	Bigeye scad	1.42	1.25	0.80
<i>Selar boops</i>	Oxeye scad	...	1.25	...
<i>Selaroides leptolepis</i>	Yellowstripe scad	2.84	1.25	0.92
<i>Seriolina nigrofasciata</i>	Blackbanded trevally	2.84	0.75	...
<i>Parastromatus niger</i>	Black pomfret	...	...	1.52
<i>Elagatis bipinnulata</i>	Rainbow runner	...	...	0.93
<i>Megalaspis cordyla</i>	Hardtail scad	...	...	1.09
<i>Scomberoides</i> spp.	Queenfishes	...	...	1.08
<i>Coryphaena hippurus</i>	Common dolphinfish	...	...	0.70
<i>Scomber australasicus</i>	Blue mackerel	...	...	0.58
<i>Scomber scombrus</i>	Atlantic mackerel	...	...	...
<i>Rastrelliger branchysoma</i>	Short mackerel	...	...	1.13
<i>Rastrelliger kanagurta</i>	Indian mackerel	2.84	1.75	1.01
<i>Rastrelliger</i> spp.	Indian mackerel nei	...	...	...
<i>Pampus argenteus</i>	Silver pomfret	...	...	2.20
<i>Sphyræna jello</i>	Pickhandle barracuda	...	...	1.55
<i>Sphyræna barracuda</i>	Great barracuda	...	...	1.06
<i>Sphyræna</i> spp.	Barracudas nei	...	...	...
<i>Cynoglossus</i> spp.	Tongue soles nei	...	...	...
<i>Caesio cuning</i>	Redbelly yellowtail fusilier	1.77	...	0.73
<i>Caesio caerulea</i>	Blue and gold fusilier	1.77	...	0.4
<i>Pterocaesio</i> spp.	Fusilier	...	...	...
<i>Terapon</i> spp.	Terapon perches nei	...	...	0.31
<i>Pisodonophis boro</i>	Paddy snake eel	...	...	...
Congridae	Conger eels	...	...	...
<i>Alopias</i> spp.	Thresher sharks nei	...	...	1.34
Carcharhinidae	Requiem sharks nei	...	...	0.73
Sphyrnidae	Hammerhead shark	...	...	0.83
Squalidae	Dogfish shark nei	...	...	0.72
Laminidae	Shark	...	...	0.30
Pristidae	Sawfishes	...	...	1.48
Elasmobranchii	Sharks, rays, skates, etc. nei	...	...	1.7



### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Rhynchobatus australiae</i>	Whitespotted wedgefish	...	...	0.88
Myliobatidae	Eagle rays nei	...	...	0.48
Mobulidae	Mantas, devil rays nei	...	...	0.26
Dasyatidae	Rays, stingrays	...	...	0.91
Osteichthyes	Marine fishes nei	...	...	0.60
<i>Penaeus merguensis</i>	Banana prawn	4.96	5.25	3.12
<i>Penaeus stylirostris</i>	Blue shrimp	...	5.75	...
<i>Penaeus vannamei</i>	Whiteleg shrimp	...	5.75	...
<i>Penaeus monodon</i>	Giant tiger prawn	11.35	5.5	5.87
<i>Penaeus semisulcatus</i>	Green tiger prawn	8.51	6	...
<i>Penaeus indicus</i>	Indian white prawn	4.26	6	...
<i>Penaeus latisulcatus</i>	Western king prawn	4.26	7	...
<i>Penaeus</i> spp.	Penaeus shrimps nei	4.26	5.5	...
<i>Macrobrachium rosenbergii</i>	Giant river prawn	...	10.5	5.74
<i>Portunus pelagicus</i>	Blue swimming crab	3.55	3.25	2.19
<i>Scylla serrata</i>	Indo-pacific swamp crab	3.55	5.25	2.14
<i>Loligo</i> spp.	Common squids nei	2.13	1.5	1.88
Palaemonidae	Freshwater prawns	...	...	1.88
Crustacea	Freshwater crustaceans nei	...	...	0.99
<i>Panulirus polyphagus</i>	Spiny lobster	...	...	...
<i>Panulirus</i> spp.	Tropical spiny lobsters nei	...	...	4.86
<i>Thenus orientalis</i>	Flathead lobster	...	...	...
<i>Metapenaeus</i> spp.	Metapenaeus shrimps nei	...	...	3.74
<i>Sepioteuthis lessoniana</i>	Bigfin reef squid	...	...	...
Natantia	Natantia decapods nei	...	...	2.06
Crustacea	Marine crustacea nei	...	...	0.73
Mollusca	Freshwater molluscs nei	...	...	0.44
Mollusca	Marine molluscs nei	...	...	0.95
Octopodidae	Octopuses nei	...	...	2.20
<i>Trochus niloticus</i>	Commercial top	...	...	3.38
<i>Crassostrea</i> spp.	Cupped oysters nei	...	...	2.14
<i>Crassostrea gigas</i>	Oyster	...	...	...
<i>Perna viridis</i>	Green mussel	...	...	6.02
Pectinidae	Scallops nei	...	...	4.87

							US\$/kg.
Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	0.82	...	
...	...	...	...	...	...	...	
...	7.75	...	...	11.73	5.82	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	7.28	...	
...	4.13	...	...	...	...	...	
...	1.80	...	...	...	4.51	...	
...	...	...	...	...	...	...	
...	...	...	...	...	10.19	...	
...	3.00	...	1.95	...	3.96	...	
...	3.27	...	...	11.27	4.43	...	
...	2.24	...	1.45	...	2.56	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	26.35	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	3.29	...	
...	...	...	...	...	4.37	...	
...	...	...	...	...	3.15	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	1.40	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	4.32	...	...	
...	...	...	...	...	0.70	...	
...	...	...	...	...	3.20	...	



### 6.1 Producer Price for Capture Fishery Production by Species, 2009 (Cont'd)

Scientific Name	FAO English Name	Brunei Darussalam	Cambodia	Indonesia
<i>Modiolus</i> spp.	Horse mussels nei	...	...	...
<i>Paphia</i> spp.	Short neck clams nei	...	...	...
<i>Anadara granosa</i>	Blood cockle	...	...	3.36
<i>Meretix</i> spp.	Hard clams nei	...	...	0.76
Sepiidae/Sepiolodae	Cuttlefish, squids nei	...	...	1.21
Bivalvia	Clams nei	...	...	1.75
<i>Siganus</i> spp.	Orange-spotted spinefoot	...	...	0.96
<i>Scleropages formosus</i>	Asian bonytongue	...	...	0.71
<i>Pristis</i> spp.	Sweetlips	...	...	0.50
<i>Protonibea diacanthus</i>	Blackspotted croaker	...	...	...
Eleotridae	Gudgeons, sleepers nei	...	...	7.53
Osteichthyes	Freshwater fishes nei	...	...	1.14
<i>Rana</i> spp.	Frogs	...	...	1.84
Testudinata	River and lake turtles nei	...	...	1.02
Testudinata	Marine turtles nei	...	...	4.06
Holothurioidae	Sea cucumbers nei	...	...	6.21
<i>Rhopilema</i> spp.	Jelly fishes	...	...	0.71
Invertebrata	Aquatic invertebrates nei	...	...	4.93



## 7. FISHERS

## 7.1 Number of Fishers by Working Status, 2009

	Brunei Darussalam	Cambodia	Indonesia	Lao PDR
Total	359	1,038,873	2,752,490	...
Marine Fishery	359	156,302	2,255,650	...
Full time	359	...	1,118,800	...
Part time	...	...	805,660	...
Occasional	...	...	331,190	...
Status Unspecified	...	...	...	...
Inland Fishery	...	821,701	496,840	...
Full time	...	...	184,980	...
Part time	...	...	213,570	...
Occasional	...	...	98,290	...
Status Unspecified	...	...	...	...
Aquaculture	...	60,870	...	...
Full time	...	...	...	...
Part time	...	...	...	...
Occasional	...	...	...	...
Status Unspecified	...	...	...	...

Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam
173,604	3,261,199	...	460	...	...
125,632	1,450,000	...	45	...	...
...	250,000	...	45	...	...
...	270,000	...	...	...	...
...	930,000	...	...	...	...
...	...	...	...	...	...
23,986	1,600,395	...	...	...	...
...	500,395	...	...	...	...
...	305,000	...	...	...	...
...	...	...	...	...	...
...	795,000	...	...	...	...
23,986	210,804	...	415	...	...
...	122,687	...	338	...	...
...	88,117	...	77	...	...
...	...	...	...	...	...
...	...	...	..	...	...