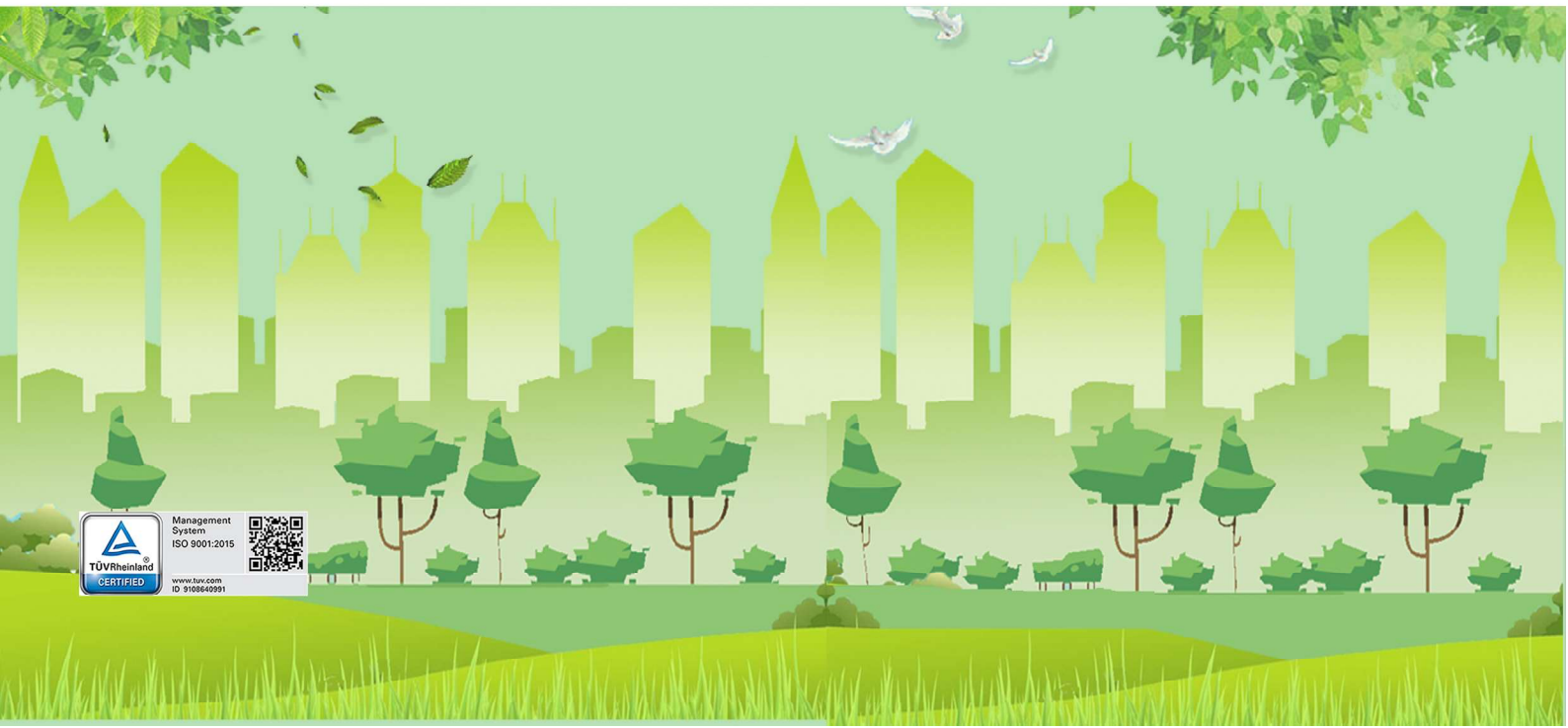
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Compendium of Philippine Environment Statistics



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Compendium of **P**hilippine **E**nvironment **S**tatistics

2010-2019

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FOREWORD

The **Compendium of Philippine Environment Statistics (CPES)** is one of the publications of the Philippine Statistics Authority (PSA) which aims to provide information for planning, policy, program and project formulation for the environment and environment-related issues. The statistics gathered are useful in compiling environmental accounts following the System of Environmental-Economic Accounting 2012 – Central Framework (SEEA-CF) and in monitoring our progress towards achieving various environmental and cross-cutting targets of the Sustainable Development Goals (SDGs).

The CPES is a compilation of statistical information collected from various government agencies and from different publications. The statistical data in this publication are organized and presented in accordance to the Framework for the Development of Environment Statistics (FDES) approved by the United Nations Statistical Commission in 2013. It is focused on the core set of environment statistics of the six components of the FDES, namely: (1) environmental conditions and quality, (2) environmental resources and their use, (3) residuals, (4) extreme events and disasters, (5) human settlements and environmental health, and (6) environment protection, management, and engagement.

The preparation of this publication would not have been possible without the valuable assistance, data provision, and cooperation of our partner agencies. We take this opportunity to acknowledge their unwavering support to the PSA for making this edition of the CPES possible.



CLAIRE DENNIS S. MAPA, Ph.D.
Undersecretary
National Statistician and Civil Registrar General

Quezon City, Philippines
March 2022

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LIST OF DATA SOURCES

Climate Change Commission

Department of Agriculture
- Bureau of Soils and Water Management
- Fertilizer and Pesticide Authority

Department of Budget and Management

Department of Energy
- Energy Policy and Planning Bureau

Department of Environment and Natural Resources
- Biodiversity Management Bureau
- Environmental Management Bureau
  - Environmental Quality Division
    - Air Quality Management Section
    - Hazardous Waste Management Section
    - Water Quality Management Section
  - Solid Waste Management Division
  - National Solid Waste Management Commission
- Forest Management Bureau
- Laguna Lake Development Authority
- Mines and Geosciences Bureau
- National Mapping and Resource Information Authority
- National Water Resources Board

Department of Health
- Epidemiology Bureau

Department of Science and Technology
- Philippine Atmospheric, Geophysical and Astronomical Services Administration

Department of Transportation
- Land Transportation Office

Department of National Defense
- Office of Civil Defense
  - National Disaster Risk Reduction and Management Council

Metropolitan Waterworks and Sewerage System
- Maynilad Water Services Inc.
- Manila Water Company Inc.

Philippine Statistics Authority

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LIST OF ACRONYMS AND ABBREVIATIONS

A&D	Alienable and Disposable
AAS	Atomic Absorption Spectrophotometry
ARMM	Autonomous Region in Muslim Mindanao
ASEAN	Association of Southeast Asian Nations
BESF	Budget of Expenditures and Sources of Financing
BMB	Biodiversity Management Bureau
BOD	Biochemical Oxygen Demand
BSWM	Bureau of Soil and Water Management
CAR	Cordillera Administrative Region
CALABARZON	Cavite, Laguna, Batangas, Rizal, and Quezon
CIS	Communal Irrigation System
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
CRED-EMDAT	Centre for Research on the Epidemiology of Disasters - Emergency Events Database
CSIS	Climate Smart Industries and Services
DA	Department of Agriculture
DAO	Department Administrative Order
DBM	Department of Budget and Management
DENR	Department of Environment and Natural Resources
DILG	Department of Interior and Local Government
DO	Dissolved Oxygen
DOE	Department of Energy
DOH	Department of Health
DPWH	Department of Public Works and Highways
EEA	Experimental Ecosystem Accounting
EMB	Environmental Management Bureau

EBT	Energy Balance Table
E. O.	Executive Order
EPEA	Environmental Protection Expenditure Accounts
EP	Environmental Protection
FAO	Food and Agriculture Organization
FMB	Forest Management Bureau
FUSA	Firmed-Up Service Area
GHG	Greenhouse Gas
GOCC	Government-Owned and Controlled Corporations
IHO	International Hydrographic Organization
ITTO	International Tropical Timber Organization
JICA	Japan International Cooperation Agency
LLDA	Laguna Lake Development Authority
LTO	Land Transportation Office
MEA	Multilateral Environmental Agreements
MGB	Mines and Geosciences Bureau
MIMAROPA	Occidental Mindoro, Oriental Mindoro, Marinduque, Romblon, and Palawan
MRIIS	Magat River Integrated Irrigation System
NAAQGV	National Ambient Air Quality Guideline Value
NAMRIA	National Mapping and Resource Information Agency
NCR	National Capital Region
NCCAP	National Climate Change Action Plan
NDRRMC	National Disaster Risk Reduction & Management Council
NIPAS	National Integrated Protected Areas
NIS	National Irrigation System
NSCB	National Statistical Coordination Board

NWRB	National Water Resource Board
PAGASA	Philippine Atmospheric, Geophysical and Astronomical Services Administration
PM	Particulate Matter
Proc.	Proclamation
PSA	Philippine Statistics Authority
R. A.	Republic Act
SDG	Sustainable Development Goals
SEEA	System of Environmental-Economic Accounting
SOCCSKSARGEN	South Cotabato, Cotabato, Sultan Kudarat, Sarangani, and General Santos
SUC	State Universities and Colleges
TPES	Total Primary Energy Supply
TSD	Treatment, Storage, and Disposal Facilities
UN	United Nations
UNEA	United Nations Environment Assembly
UNFCC	United Nations Framework Convention on Climate Change
UNFDES	United Nations Framework for the Development of Environment Statistics
UNFF	United Nations Forum on Forests
UPRIIS	Upper Pampanga River Integrated Irrigated System
US	United States
CO	Carbon Monoxide
CO_2	Carbon Dioxide
Bq/L	becquerel per liter
cu. m.	cubic meter
DMT	dry metric tonne
g/km	grams per kilometre
g/kWh	grams per kilowatt-hour

g/t	grams per tonne
has	hectares
kg	kilogram
kTOE	kilotonne of oil equivalent
lps	liters per second
m^3	cubic meters
MT	metric tonne
MCM	million cubic meters
m.cu.m/y	million cubic meters per year
mg/L	milligrams per liter
mg-N/L	milligrams-Nitrogen per liter
mm/y	millimetres per year
m.t.	metric tons
MPN/100 mL	most probable number per 100 milliliter
ppm	parts per million
sq.m.	square meter
ug	microgram
ug/ncm	microgram per normal cubic meter

INTRODUCTION

The Philippines started compiling environment accounts and statistics in 1991 through the projects on environmental and natural resources accounting. The first project, the Environmental and Natural Resources Accounting Project (ENRAP), was funded by the US Agency for International Development (USAID).

In 1995, another environmental accounting project was implemented under the United Nations Development Programme's (UNDP) Country Programme on Integrated Environmental Management for Sustainable Development (IEMSD). The Environmental and Natural Resources Accounting (ENRA) component of the programme adopted the UN System of Environmental and Economic Accounting (SEEA) framework, a satellite accounting framework of the System of National Accounts (SNA).

The ENRA project built on the earlier works of ENRAP that resulted in the successful compilation of five asset accounts (fishery, forest, minerals, land and soil, and water resources) and accounts on environmental degradation brought about by several economic activities namely: palay farming, aquaculture, tuna canning, textile manufacturing, petroleum refining, etc.

The environmental accounting projects of the DENR and NSCB paved the way for the development of a database for environmental accounting and statistics as well as for the generation of a number of parameters/assumptions through the conduct of special studies.

Recognizing the lack of an organized and integrated framework in the collection and utilization of environment statistics, a project funded by the Asian Development Bank (ADB), developed the Philippine Framework for the Development of Environment Statistics (PFDES) based on the 1984 United Nations FDES. The project resulted to the publication of the first edition of the Compendium of Philippine Environment Statistics (CPES) in 2000.

The PFDES provided a systematic approach to the development of environment statistics and was an instrument by which data coming from various data collecting institutions were compiled and integrated in such a way as to be more useful in the formulation and valuation of socio-economic and environmental programs and policies. The FDES relates each component of the environment (Flora, Fauna, Atmosphere, Water, Land and Soil, Mineral and Energy Resources and Human Settlements) to four information categories, namely, (1) social and economic activities and natural events; (2) environmental impacts of activities and events; (3) responses to environmental impacts; and (4) stocks and inventories. The former NSCB released a total of five CPES publications based on the 1984 FDES.

With the endorsement at the Forty Fourth (44th) Session of the UN Statistical Commission of the revised FDES or FDES 2013, the Philippine Statistics Authority through the locally funded Philippine Economic-Environment and Natural Resources Accounting (PEENRA) project embarked on updating CPES based on the 2013 FDES. The first updated CPES was published in January 2015.

The CPES publication is a compilation of statistics and other information by the Philippine Statistics Authority (PSA) that focuses on the core set of statistics of the Basic Set of Environment Statistics. The Basic Set of Environment Statistics is organized into a structure of six components namely: environmental conditions and quality; environmental resources and their use; residuals; extreme events and disasters; human settlements and environmental health; and environment protection, management, and engagement.

The core set of environment statistics is aimed to serve as an agreed, limited set of environment statistics that are of high priority and relevance to most countries. It is intended to foster collection, coordination, and harmonization of environment statistics at the national, regional, and international levels.

The FDES 2013 identified a total of 100 environment statistics under the core set which are spread over the six components: Component 1 with thirty-two; Component 2, thirty; Component 3, nineteen; Component 4, four; Component 5, twelve; and Component 6, three.

While the PSA aimed to compile all applicable environment statistics under the core set, only 78 were compiled based on data availability for the current edition, CPES 2010 to 2019. For Component 1, a total of twenty-four statistics were collected; Component 2, twenty-one; Component 3, seventeen; Component 4, four; Component 5, nine; and Component 6, three. An improvement in this publication is the addition of Tier 1, 2 and Tier 3 statistics. A total of five Tier 1 statistics, three for Component 3 and two for Component 5. Also, five Tier 2 statistics, three for Component 4 and two for Component 5, and six Tier 3 statistics for Component 4 were likewise included.

As the improvement and institutionalization of the FDES 2013 continues, it is hoped that the coverage would be expanded by including more Tier 2 and Tier 3 statistics, especially those that are related to the indicators of the Sustainable Development Goals (SDGs). Also, it is expected that the terms would be standardized to conform with internationally accepted definitions, while at the same time maintaining relevance to the local situation.

The Framework for the Development of Environment Statistics (FDES) 2013[1]

A *Framework for the Development of Environment Statistics* (FDES) was first published in 1984 by the United Nations Statistics Division (UNSD). The 1984 FDES has been a useful framework for guiding countries in the development of their environment statistics programs. It relates the components of the environment (Flora, Fauna, Atmosphere, Water Land and Soil, Mineral and Energy Resources and Human Settlements) to four information categories namely: (1) Social and economic activities and natural events; (2) Environmental impacts of activities and events; (3) Responses to environmental impacts; and (4) Stocks and inventories.

From the time of its publication, there have been many scientific, political, technological, statistical, experience-based developments and more particularly, environmental concerns which suggested that the FDES was ready for revision.

The United Nations Statistical Commission (UNSC), at its forty-first (41st) session in February 2010, endorsed a work program and the establishment of an Expert Group for the revision of the FDES and the development of a Core Set of Environment Statistics. Consequently, in its forty-fourth (44th) session, the UNSC endorsed the revised FDES as a useful tool to adequately respond to the increasing demand for information in the follow-up to Rio+20 and the post-2015 development agenda, also known as the Sustainable Development Goals.

The FDES is based on a conceptual foundation that considers people and their demographic, social and economic activities (the human sub-system) as integral parts of, and interacting with, the environment.

FDES 2013 is a flexible, multi-purpose, conceptual, and statistical framework that is comprehensive and integrative in nature and marks out the scope of environment statistics. It provides an organizing structure to guide the collection and compilation of environment statistics at the national level, bringing together data from the various relevant subject areas and sources. It is broad, comprehensive, and integrative. It covers the issues and aspects of the environment that are relevant for policy analysis and decision making, which can further be applied to inform about cross-cutting issues such as climate change.

It is expected to contribute significantly to improved monitoring and measurement of the environmental dimension of sustainable development and to the post-2015 development agenda. The use of the FDES 2013 in national statistical systems will enhance developments in this field of statistics, as it is both a multi-purpose and flexible tool that can be tailored to specific environmental policy concerns and priorities of the countries, as well as accommodate their different levels of statistical development.

The FDES 2013 covers issues and aspects of the environment that are relevant for analysis, policy and decision making. It is designed to assist countries in the formulation of environment statistics programs by: (i) delineating the scope of environment statistics and identifying its constituents; (ii) contributing to the assessment of data requirements, sources, availability, and gaps; (iii) guiding the development of multipurpose data collection processes and databases; and (iv) assisting in the co-ordination and organization of environment statistics, given the inter-institutional nature of the domain.

It organizes environment statistics into a structure of six components (see Figure 1). The first component brings together statistics related to the conditions and quality of the environment and their change. The second component groups together statistics related to environmental resources and their use (ecosystem provisioning services, land, and subsoil resources). The third component includes statistics related to the use of regulating services of the environment for the discharge of residuals from production and consumption processes. Statistics related top extreme events and disasters (both

[1]Lifted from Framework for the Development of Environment Statistics (FDES) 2013

natural and technological) and their impact are covered by the fourth component. The fifth component brings together statistics related to human settlements and environmental health. The sixth component groups statistics relevant top societal responses and economic measures aimed at protecting the environment and managing environmental resources. Environmental conditions and quality (Component 1) is at the center of the FDES. The other five components have been set up based on their relationship with the central Component 1.

Each of the components is broken down into subcomponents that, in turn, contain relevant statistical topics. The statistical topics represent the measurable aspects of the components of the FDES taking into account the types and sources of the data needed for their description. The final level contains the actual individual environment statistics.

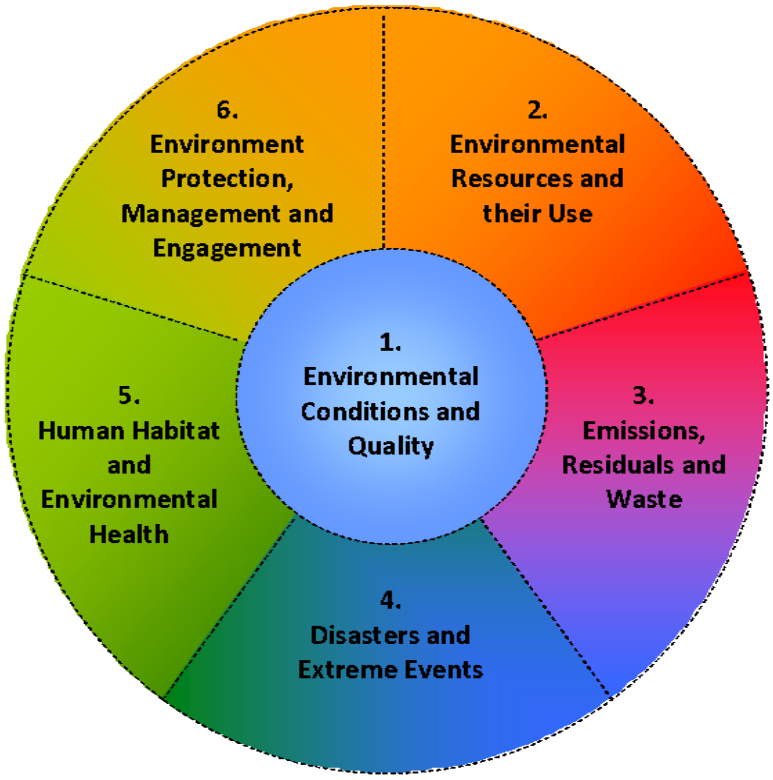


Figure 1. Structure of FDES 2013

The FDES lists the most important environment statistics to describe the statistical topics, thus providing guidance to countries developing national environment statistics programs. The statistics included in the Basic Set are comprehensive but neither exhaustive nor the only possible ones for assessment of the statistical topics. They should be considered a set of statistics which can assist in making decisions on priorities for statistical development. In order to do so, the Basic Set of Environment Statistics has been set up following a progression of three tiers, based on the level of relevance, availability and methodological development of the statistics.

Tier 1 is the Core Set of Environment Statistics which represents a broad consensus of opinion on the pertinence and feasibility of these statistics; as such, it is intended to foster collection, coordination and harmonization of environment statistics at the national, regional and international levels. The objective of the Core Set is to serve as an agreed, limited set of environment statistics that are of high priority and relevance to most countries.

Tier 2 includes environment statistics which are of priority and relevance to most countries but need more significant investment in time, resources, or methodological development, so countries are recommended to consider producing them in the medium-term.

Tier 3 includes environment statistics which are either of less priority or require significant methodological development, so countries are recommended to consider producing them in the long-term.

The statistical topics in the FDES, and the underlying environment statistics in the Core Set of Environment Statistics and the Basic Set of Environment Statistics, can be combined and reorganized in different ways according to specific analytical needs and policy requirements e.g., climate change, energy and the environment, agriculture and environment, sustainable management of natural resources or environmental impacts of specific activities, i.e., tourism, poverty, manufacturing, etc. This is an inherent aspect of the design of the FDES as a flexible multi-purpose framework.

Compilation of environment statistics focused on a particular cross-cutting issue should commence with the understanding of the scientific background, underlying processes, and cause-effect relationships. Furthermore, it is necessary to analyze and understand its relevance to the country and to particular sub-national areas, productive sectors and social groups, its national policy implications and commitments, as well as the institutional aspects and the international context. The statistics for describing the selected cross-cutting issues should be organized based on a logical sequence of events that illustrate the relevant related processes. These sequences resemble the occurrence of events, according to the nature of the issue itself. In each case, the correspondence of these sequences with the FDES structure is described.

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Component One

Environmental Conditions and Quality

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COMPONENT ONE

ENVIRONMENTAL CONDITIONS AND QUALITY

The environment provides goods and services essential to human well-being. The human sub-system uses the environment for habitat, to obtain important physical resources and as a recipient or sink for various residuals. Human societies, as well as their production and consumption patterns, affect the quality and condition of the environment, its natural processes and its capacity to provide goods and services (UN FDES, 2013). The changing environment, in turn, affects humans in different ways over time. Hence, Environmental Conditions and Quality is central to the Framework for the Development of Environment Statistics (FDES) including five other components which were established based on their relationship with Component One.

This component covers statistics on the physical, biological and chemical characteristics of the environment and their changes over time. These are strongly interrelated fundamental background conditions that determine the types, extent, conditions, and health of ecosystems. Environmental condition refers to the state of the environment at a given time point. Environmental quality on the other hand refers to a measure of the condition of the environment relative to a requirement or threshold of one or more species or to any human need or purpose.

Statistics gathered for Component One are useful in compiling environmental accounts as described in the System of Environmental-Economic Accounting (SEEA) Central Framework. Particularly, this component is closely related to the SEEA Ecosystem Accounting (SEEA EA). The SEEA EA and the SEEA Central Framework provide a collectively rich and comprehensive framework for organizing data on the relationship between the environment and the economy. They have been designed to complement each other and both reflect the application of the accounting principles of the System of National Accounts (SNA) (SEEA-EA, 2021). The SEEA EA is a companion to the SEEA Central Framework which extends the accounting to the measurement of flows of services to society that ecosystems provide, as well as to the measurement of ecosystem capital in terms of the capacity and changes in ecosystems providing those services in physical terms. It describes the valuation of ecosystems insofar as it is consistent with the market valuation principles of the SNA (SEEA-CF, 2012).

In addition to its links with the SEEA, statistics collected for Component One are inputs to the indicators in monitoring the Sustainable Development Goals (SDGs). These include the following: Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture; Goal 3: Ensure healthy lives and promote well-being for all at all ages; Goal 6: Ensure availability and sustainable management of water and sanitation for all; Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable; Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development; and Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss (Environment Statistics Section-UN Statistical Division, 2019).

Component One consists of three sub-components, namely: physical conditions; land cover, ecosystems and biodiversity; and environmental quality. The Compendium of Philippine Environment Statistics (CPES), covering the period 2010 to 2019, compiled twenty-four (24) out of the thirty-two (32) core statistics. Additionally, eighteen (18) Tier 2[2] statistics were compiled for this component.

[2] Tier 2 statistics include environment statistics of which are of priority and relevant to most countries but require greater investment of time, resources, or methodological development.

1.1 Physical Conditions

Physical Conditions aims to capture the physical aspects of the environment and includes statistics on meteorological, hydrographical, geological, geographical conditions, and soil characteristics. These statistics are important in determining the scope of and influences on the environmental resources of a country. Furthermore, the latter provides baseline information that may aid the government in assessing the need for and the effectiveness of environment-related policies.

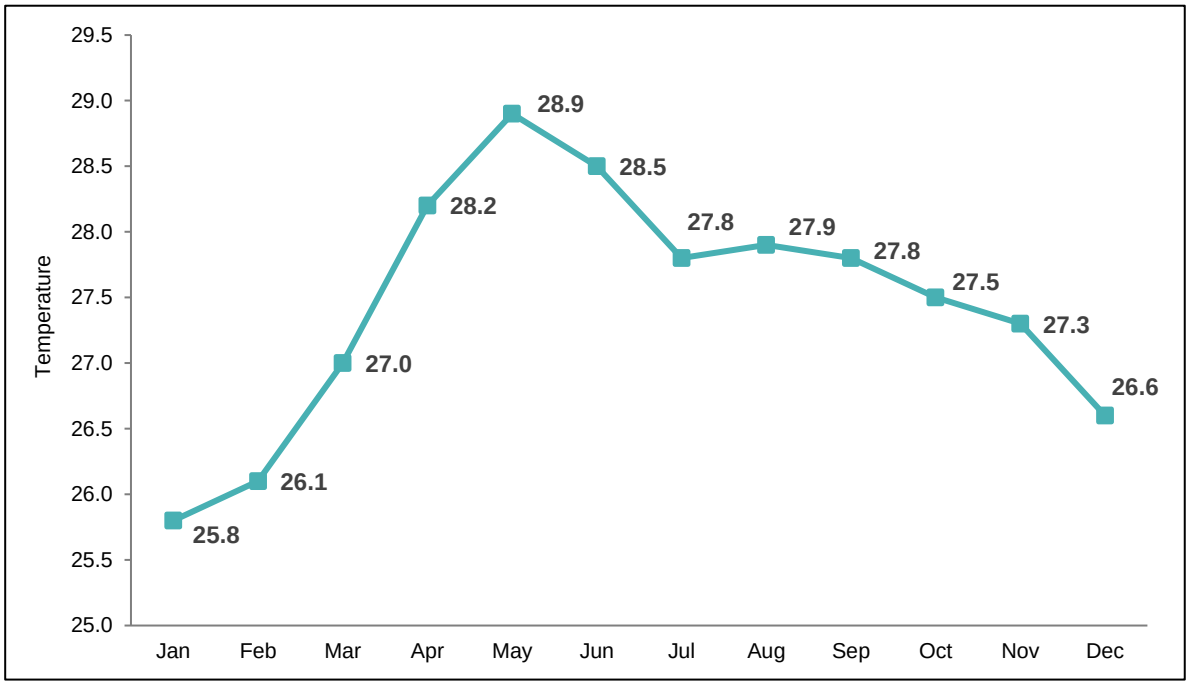
Physical Conditions is linked to the SEEA Ecosystem Condition. For this CPES compilation, the Philippine Atmospheric Geophysical and Astronomical Services Administration (PAGASA), the Department of Environment and Natural Resources (DENR), the National Mapping and Resource Information Authority (NAMRIA) and the Bureau of Soils and Water Management (BSWM) were the main sources of data.

1.1.1 Atmosphere, Climate and Weather

This topic covers data on atmospheric, climatic, and weather conditions across territories and over time. Weather describes the atmosphere's behavior over a short period of time while climate is determined by long term weather conditions, both of which are recorded through monitoring stations. Information about the atmosphere, climate, and weather is important to understand the conditions and trends to explain other phenomena such as ecosystem change, biodiversity and living conditions, among others.

The data from the PAGASA showed that over the period of 2010 to 2019, January was recorded as the coldest month while May was noted as the warmest, with average temperatures of 25.8 degrees Celsius and 28.9 degrees Celsius[3], respectively. (Figure 1.1)

Figure 1.1 Monthly Average Temperature from 2010 to 2019, in degrees Celsius

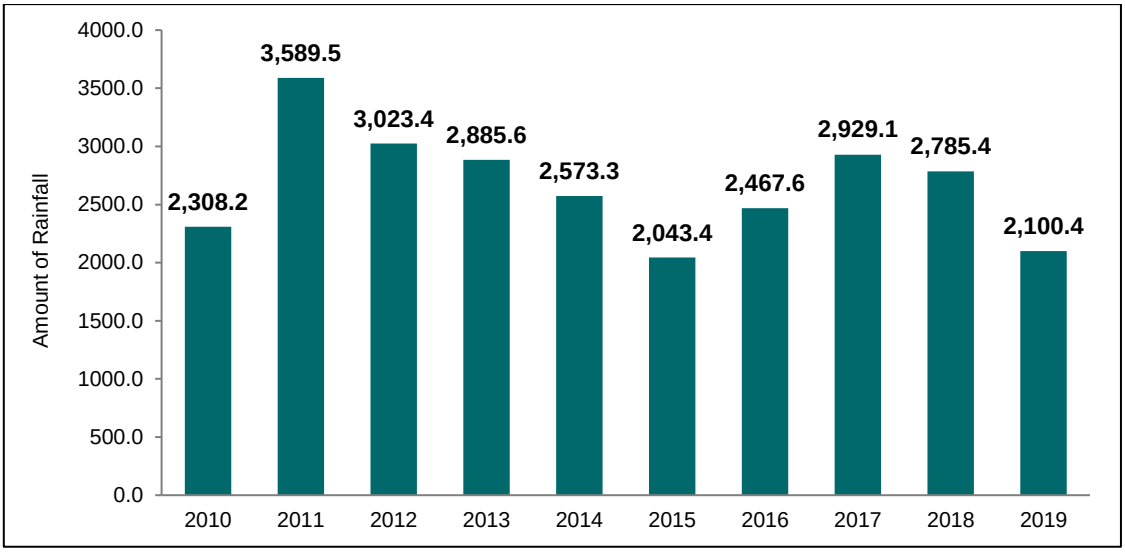


Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration

[3] Average Temperatures were derived by averaging the monthly Mean Temperature gathered from monitoring stations from 2010 to 2019

In general, the Philippine climate has two seasons: dry season, from January to May, and rainy season, which lasts from June to December. The rainfall distribution throughout the Philippines varies depending on the direction of the moisture-bearing winds and the location of the mountain systems (PAGASA). Throughout the ten-year period, the annual average amount of rainfall fluctuated. In 2011, the highest average rainfall was 3.59 thousand millimeters. On the other hand, the lowest average rainfall was recorded in 2015, at 2.00 thousand millimeters[4]. (Figure 1.2)

Figure 1.2 Annual Average Rainfall from 2010 to 2019, in millimeters



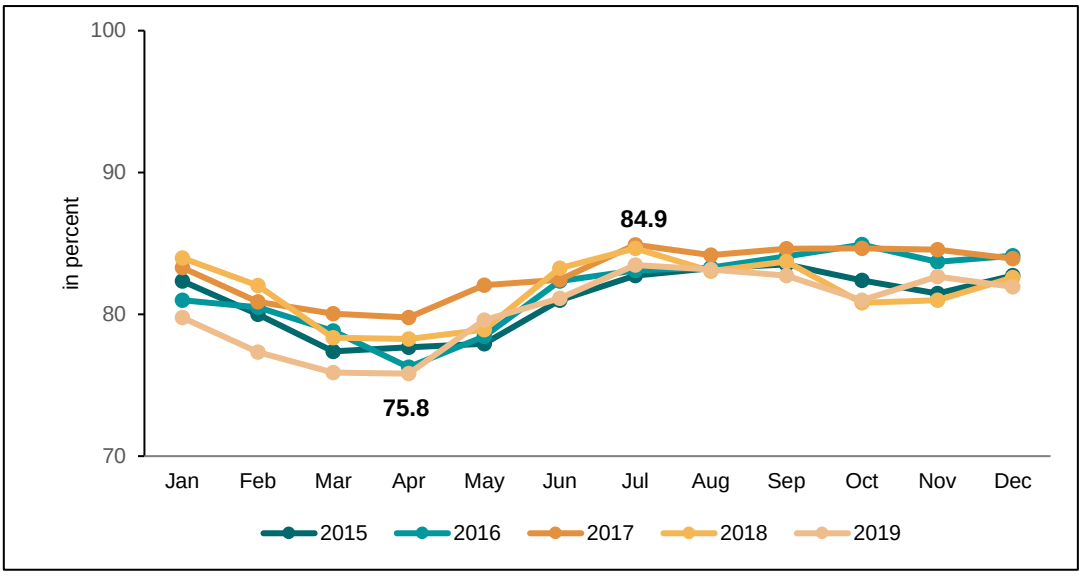
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration

Relative humidity (RH) is the ratio of actual vapor pressure to saturation vapor pressure in the air at a height of 1.25 to 2.00 meters above ground for the prevailing temperature (PAGASA Meteorological Terms Online). During the five-year period of 2015 to 2019, the month of April in 2019 had the lowest relative humidity of 75.8 percent, while July of 2017 had the highest relative humidity of 84.9 percent[5]. (Figure 1.3)

[4] Average Rainfall was derived by averaging the annual Amount of Rainfall gathered from monitoring stations from 2010 to 2019

[5] Relative humidity was derived by averaging the monthly Relative Humidity gathered from monitoring stations from 2015 to 2019

Figure 1.3 Monthly Relative Humidity of Monitoring Stations, 2015 to 2019

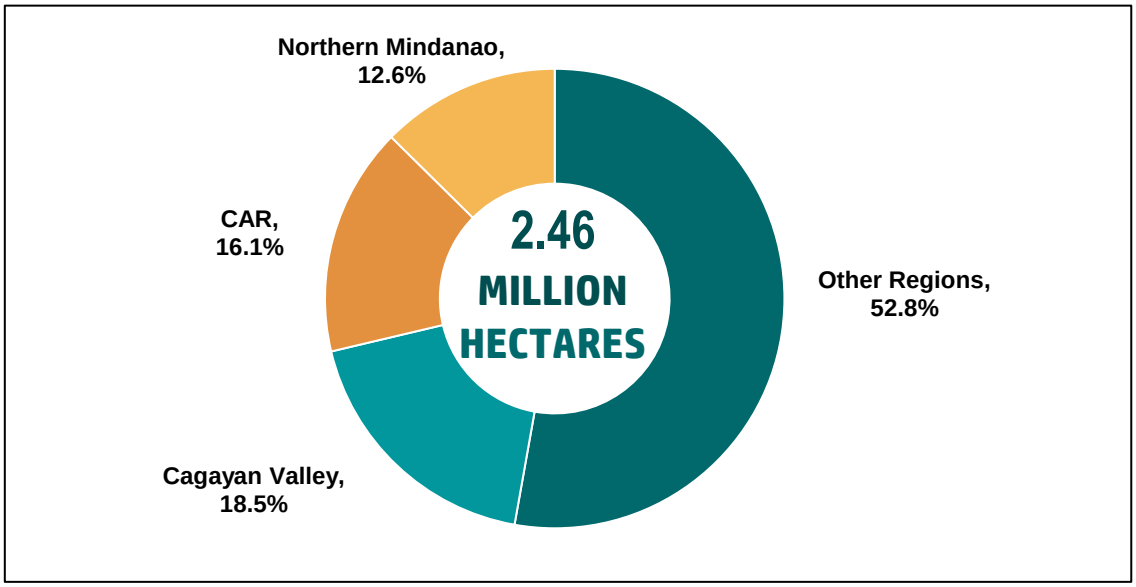


Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration

1.1.2 Hydrographical characteristics

Hydrographical characteristics include information on the location, extent and characteristics of lakes, rivers, and streams, artificial reservoirs, watersheds, seas, and aquifers. This information is compiled to serve as basis for understanding water and flows of water.

Figure 1.4 Area Distribution of Proclaimed Watersheds in the Philippines as of 2019



Source: Forest Management Bureau

The core indicator for this topic relates to the description of main watersheds. Data compiled for this compendium include information on proclaimed watersheds. As of 2019, the Philippines had a total of 2.46 million hectares of proclaimed watersheds. The top three regions with largest share of the total area are as follows: Cagayan Valley (18.5%), Cordillera Administrative Region (CAR) (16.1%), and Northern Mindanao (12.6%); other regions accounted for 52.8 percent of the total area. (Figure 1.4)

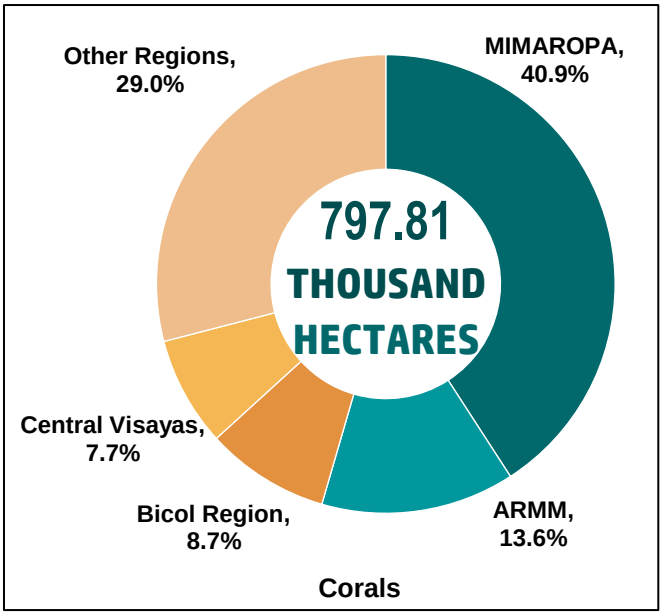
1.1.3 Geological and Geographical Information

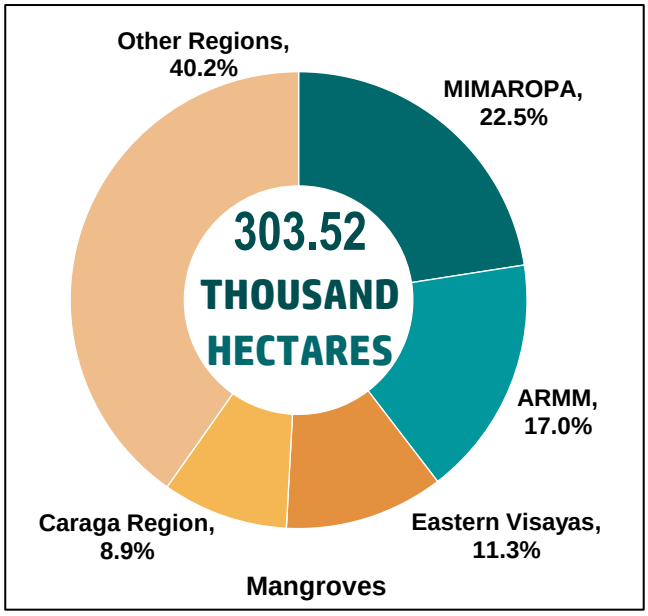
Geological and geographical information involves general geological and topographic information along with the characteristics of the country's territory and relief. This information is normally static, that is, it changes slowly through time. It is helpful to present these statistics in a form of a map. Data for geological and geographical information are helpful to know the agreement on boundaries and understand geological events.

One of the core statistics for this subcomponent is the *area of country or region*. However, there is no available data yet for the total land area of the Philippines and its regions. The data on land cover classifications from NAMRIA, which is used for the core statistics *area under land cover categories* under subcomponent 1.2, is used as a proxy indicator for this topic. This data is disaggregated by region and by land cover categories. The latest available publication is as of 2015.

NAMRIA data was used to compile the core statistics on coastal resources, which include coral and mangrove areas. In 2016, the MIMAROPA Region had the largest total coral area of around 325.93 thousand hectares (40.9%). Similarly, the region had the largest mangrove area, with 68.42 thousand hectares (22.5%). (Figure 1.5)

Figure 1.5 Area Distribution of Coastal Resources in the Philippines as of 2016





Source: National Mapping and Resource Information Authority

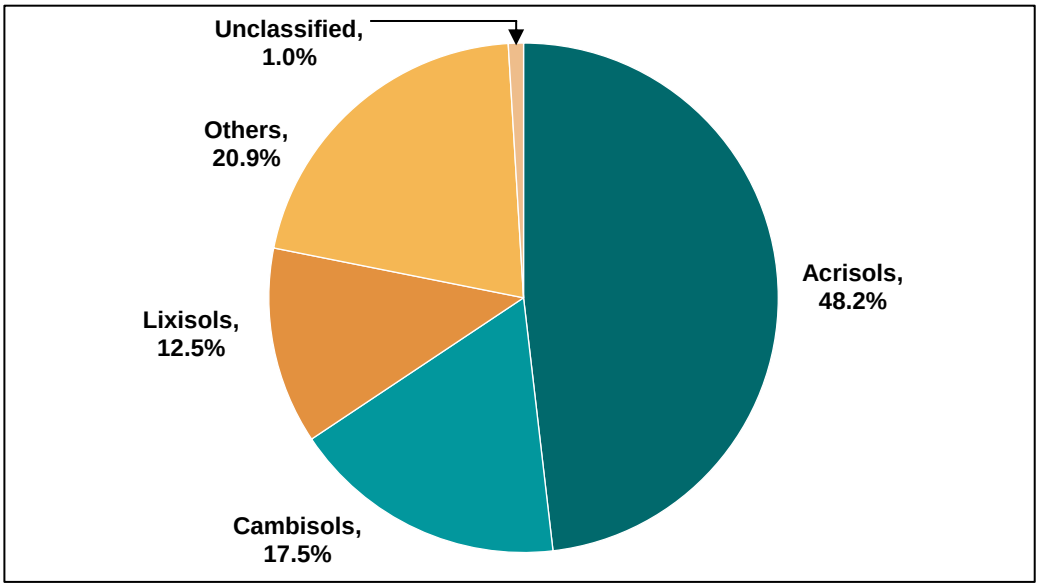
1.1.4 Soil Characteristics

Soil has many functions to the environment. It serves as base to support the production and cycling of biological resources, provides foundation for establishments, source of nutrients for forest and agricultural matters, and as habitat for other organisms. Based on the FDES, statistics for soil characteristics include soil types and soil degradation which are important in determining the soil's ability to sustain livelihood and human activities.

The soil in the Philippines is classified under 16 identified soil taxonomy. Figure 1.6 shows that the soil in the Philippines is classified mostly as acrisol, cambisol and lixisol, with 48.2 percent, 17.5 percent, and 12.5 percent share, respectively. The 13 other soil taxonomies comprised a total share of 20.9 percent. In addition, there is a one percent portion of soil that is unclassified.

Additionally, this statistics is an input in calculating indicator 15.3.1 – Proportion of land that is degraded over the total land area under SDG 15: Life on Land.

Figure 1.6 Area Distribution of Soil Taxonomy



Source: Bureau of Soils and Water Management

1.2 Land Cover, Ecosystems and Biodiversity

This subcomponent organizes the interrelated environment statistics on land cover, ecosystems, and biodiversity, as well as their recordable changes over time and across locations. Land cover, as defined by the Food and Agriculture Organization (FAO), is the observed (bio)physical cover of the earth's surface. It is one of the indicators of ecosystem type. Ecosystems are community of organisms which have interacting and interdependent relationship. Biodiversity, a measure of ecosystem health, is the variability among living organisms from all sources including terrestrial, marine, and other aquatic ecosystems and the ecological complexes of which they are part, including diversity within species, between species and of ecosystems. Biodiversity is a fundamental characteristic of ecosystems, while variability among ecosystems is a fundamental driver of biodiversity.

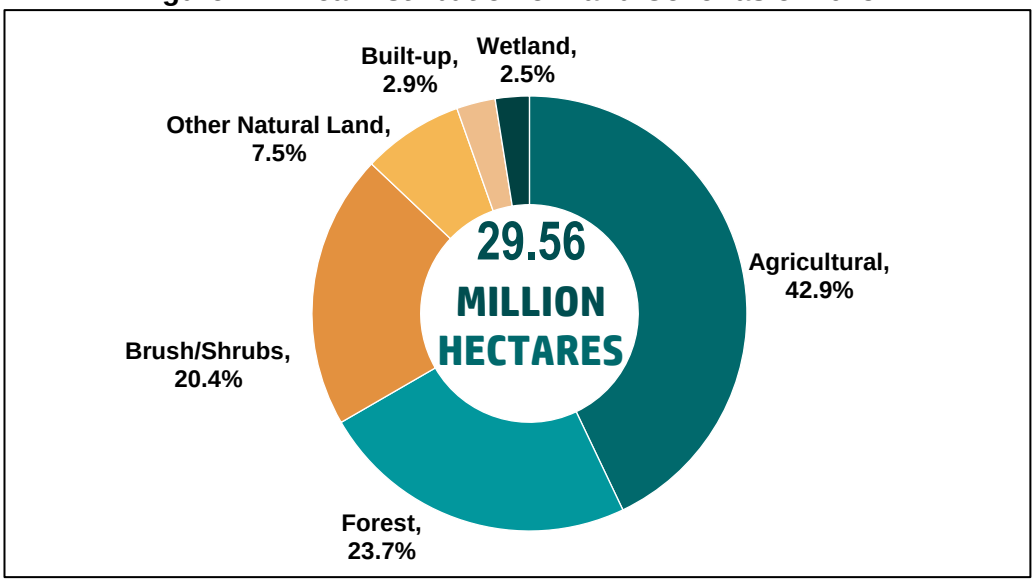
Statistics for this subcomponent are linked to the SEEA Ecosystem Extent, Condition and Biodiversity. For this CPES compilation, NAMRIA and DENR, specifically the Biodiversity Management Bureau (BMB) and the Forest Management Bureau (FMB) were the main sources of data.

1.2.1 Land Cover

Statistics on land cover include the land area and the area under inland water, coastal water bodies and inter-tidal areas, excluding marine water. It is important to compile data on land cover because human activities are the main drivers in the change of land cover. Statistics under this topic are also linked to two targets that aim to combat desertification and restore degraded soil and to ensure the conservation of mountain ecosystems under SDG 15: Life on Land.

In 2015, the Philippines had about 12.69 million hectares of agricultural land (42.9%), which was the largest share in the country's total land cover area. Forest land had the second largest land cover, having 7.01 million hectares (23.7%). Brush/Shrubs had the third largest land cover with an area of 6.03 million hectares (20.4%). Wetland, which includes fishponds and inland waters, had the smallest land cover of 746.96 thousand hectares (2.5%). (Table 1.7 and Figure 1.7)

Figure 1.7 Area Distribution of Land Cover as of 2015



Source: National Mapping and Resource Information Authority

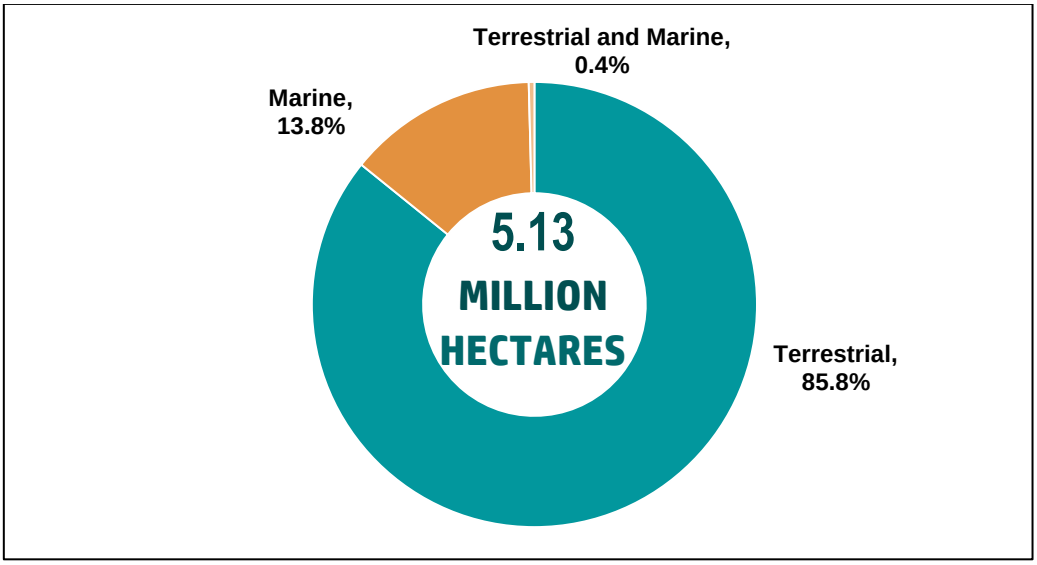
1.2.2 Ecosystems and Biodiversity

Statistics related to ecosystems and biodiversity are critical given the increasing understanding of the role ecosystems play in human well-being and the evidence of biodiversity loss across the planet. Maintaining biodiversity and ecosystem health is necessary to preserve the genetic and ecosystem inheritance of a country, as well as its ecological productivity. This also protects, subsequently, the productivity of ecosystems for the use of the economy and society, which depend heavily on the diversity of ecological systems for human livelihoods (e.g., production, distribution, and consumption).

Statistics under this topic are linked to several targets under SDG 2: Zero Hunger, SDG 14: Life Below Water and SDG 15: Life on Land. These targets are: maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species (SDG 2.5); conserve coastal and marine areas (SDG 14.5); ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services (SDG 15.1); ensure the conservation of mountain ecosystems, including their biodiversity (SDG 15.4); reduce the degradation of natural habitats, halt the loss of biodiversity and protect and prevent the extinction of threatened species (SDG 15.5); end poaching and trafficking of protected species of flora and fauna (SDG 15.7); integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts (SDG 15.9); and enhance global support for efforts to combat poaching and trafficking of protected species (SDG 15.c).

In 2019, protected areas with terrestrial ecosystem had larger total area (85.8%) than those with marine ecosystem (13.8%). Terrestrial ecosystems are found in 208 protected areas comprising more than 4.40 million hectares. On the other hand, marine ecosystems are found in 33 protected areas of 0.71 million hectares. In addition, two protected areas house both terrestrial and marine ecosystems (0.4%), consisting of about 20.89 thousand hectares. (Figure 1.8)

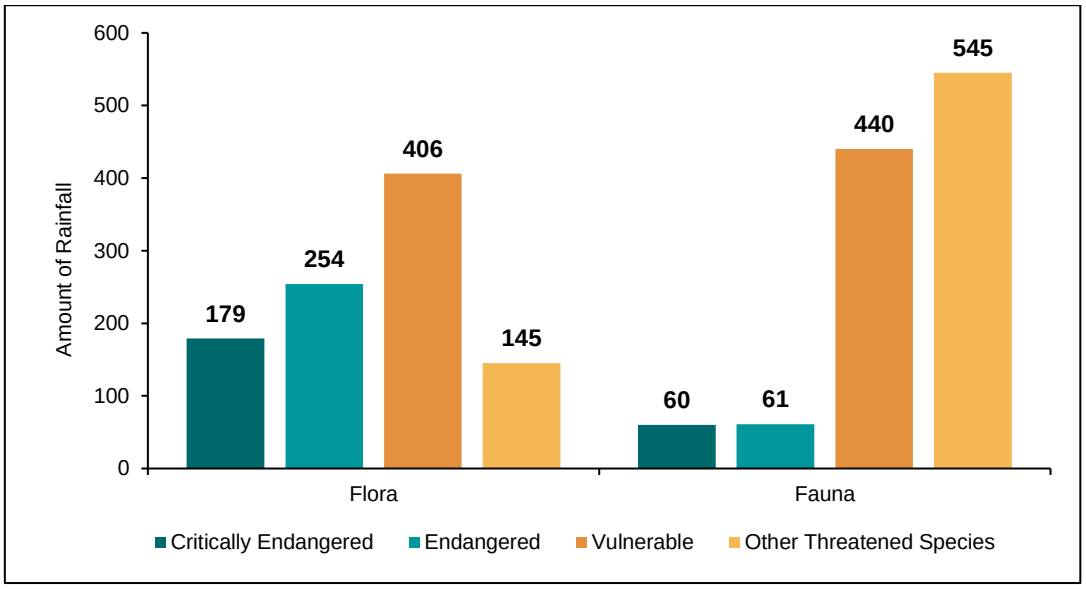
Figure 1.8 Area Distribution of Protected Areas by Ecosystem as of 2019



Source: Biodiversity Management Bureau

Most known flora species in the Philippines are considered vulnerable (406 species), comprising 41.3 percent of the total known flora species in 2019. Meanwhile, other threatened species recorded the highest with 49.3 percent or 545 species among the other status category of known fauna. (Figure 1.9)

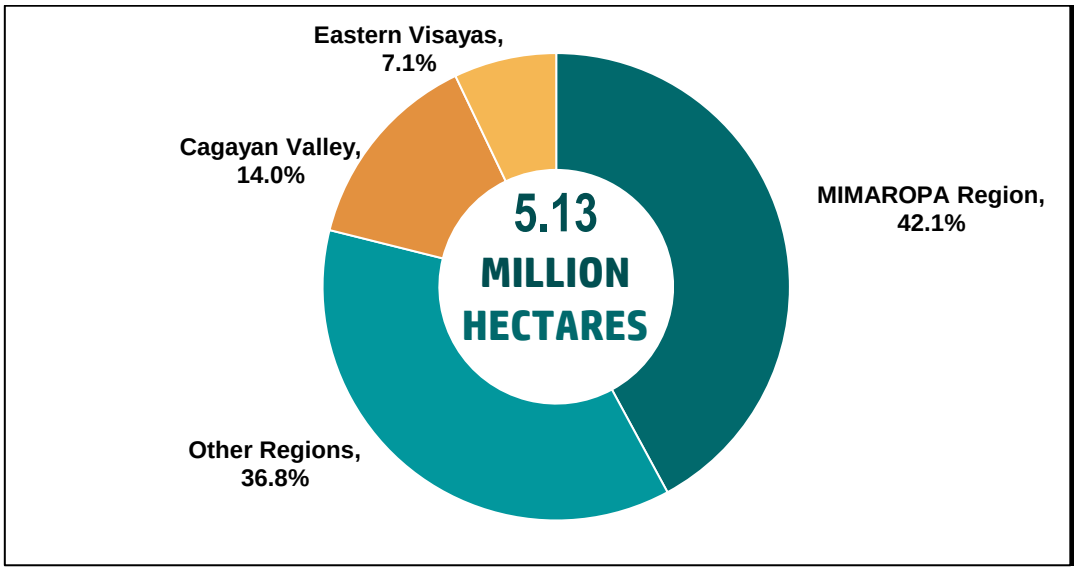
Figure 1.9 Number of Known Flora and Fauna Species by Status Category, 2019



Source: Biodiversity Management Bureau

The Philippines had about 5.13 million hectares of protected area, 63.2 percent of which was comprised by the three regions with largest shares of protected area. These are: MIMAROPA Region, Cagayan Valley, and Eastern Visayas. Other regions collectively comprised 36.8 percent of the total protected area. (Figure 1.10)

Figure 1.10 Area Distribution of Protected Areas in the Philippines as of 2019



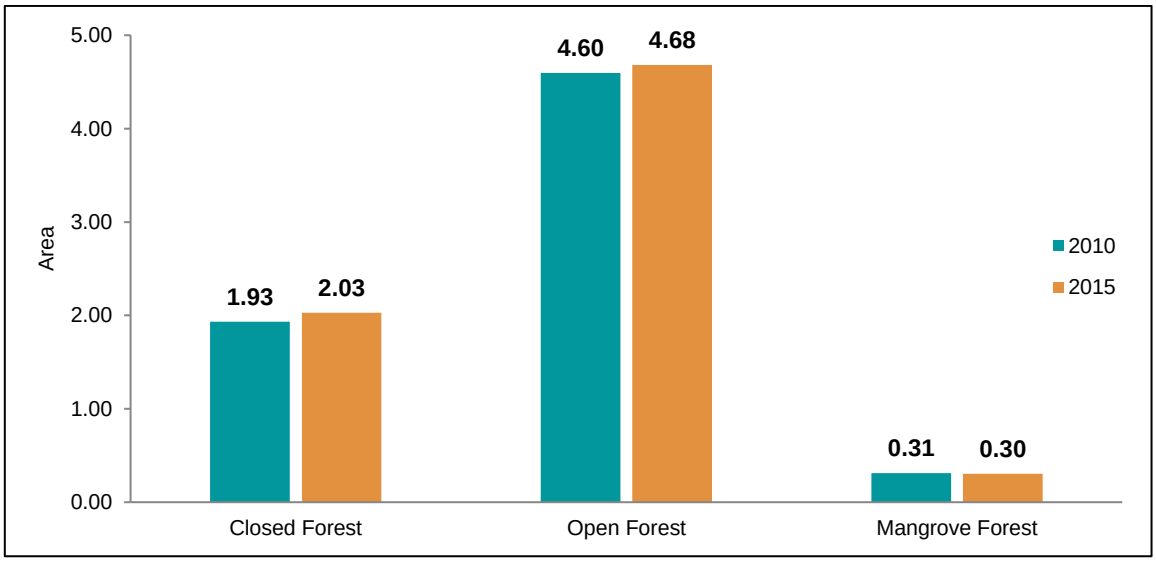
Source: Biodiversity Management Bureau

1.2.3 Forests

Forests provide livelihoods for millions of people around the world. They offer timber, food, shelter, fuel, and medicinal products, and perform significant ecosystem functions such as hydrological regulation, soil protection and biodiversity protection, and act as carbon sinks. The core statistic under this topic is the total forest area which can be used in computing indicators 15.1.1 – Forest area as a proportion of total land area and 15.2.1 – Progress towards sustainable forest management under SDG 15: Life on Land.

As seen in Figure 1.11, closed and open forests increased in 2015 by 0.09 million hectares and 0.08 million hectares, respectively. On the other hand, mangrove forest decreased by 0.01 million hectares. Open forest still comprised the largest share (66.8%) in the total forest cover in 2015, followed by closed forest (28.9%) and mangrove forest (4.3%).

Figure 1.11 Forest Cover of the Philippines (2010 vs 2015), in million hectares



Source: Forest Management Bureau

Subcomponent 1.3: Environmental Quality

Environmental quality deals with the concentration of pollutants in the air, freshwater, and marine water, and on soil pollution and noise levels which results from combined and cumulative impacts of human and natural processes. This information is important in monitoring pollution impacts to human sub-system and ecosystems.

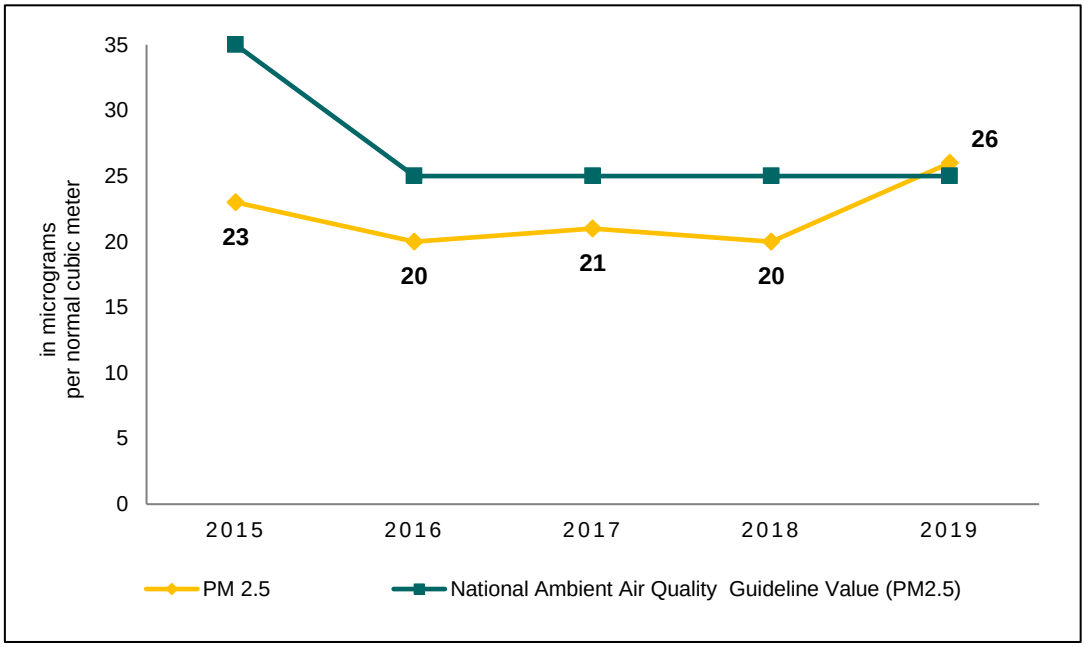
Statistics for this subcomponent are linked to the SEEA Ecosystem Condition. For this compilation, the Environmental Management Bureau, and the Laguna Lake Development Authority of DENR were the main sources of data.

1.3.1 Air Quality

Concentration of air pollutants, suspended solid particles, and other gases are the statistics compiled for this subcomponent. Air quality is measured by monitoring stations which are located mostly near the major sources of pollution. Compilation of these statistics is important to assess the effects of air quality to human and ecosystem health. Moreover, statistics on the concentration level of particulate matters 2.5 and 10 serve as inputs to indicator 3.9.1 - Mortality rate attributed to household and ambient air pollution under SDG 3: Good Health and Well-Being and indicator 11.6.2 - Annual mean levels of fine particulate matter in cities under SDG 11: Sustainable Cities and Communities.
The National Ambient Air Quality Guideline Value (NAAQGV) for $PM_{2.5}$ was 35 micrograms per normal cubic meter until the end of 2015 and was changed to 25 micrograms per normal cubic meter starting 2016. The annual average concentration level of $PM_{2.5}$ was within these parameters from 2015 to 2018 and exceeded to 26 micrograms per normal cubic meter in 2019. (Figure 1.12)

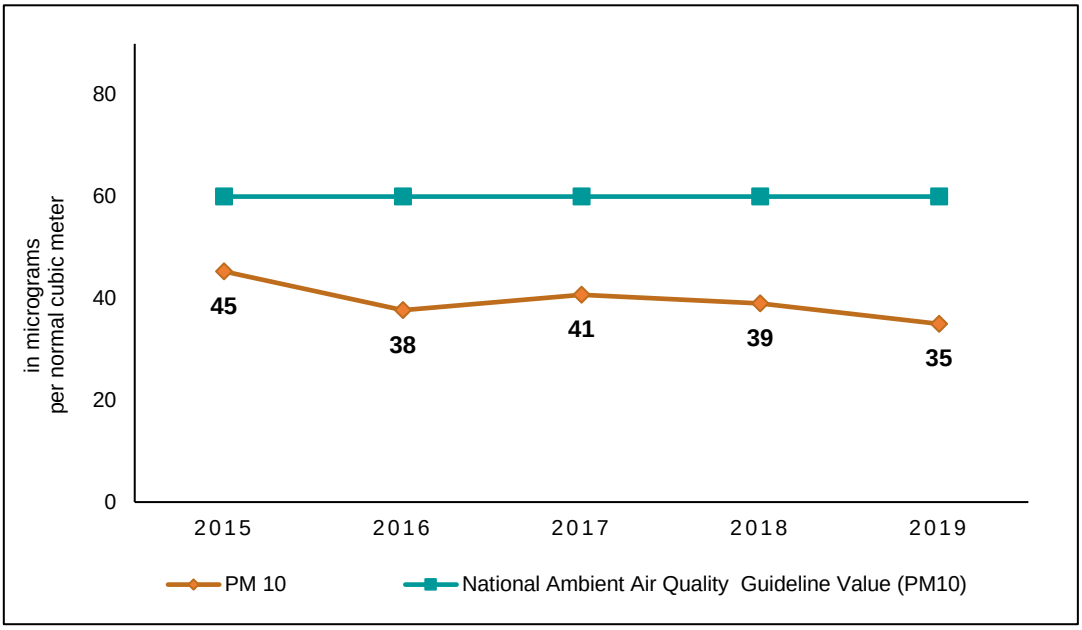
From 2015 to 2019, the annual average concentration level of PM_{10} was within the NAAQGV of 60 micrograms per normal cubic meter. (Figure 1.13)

Figure 1.12 Annual Average Concentration Level of $PM_{2.5}$ from 2015 to 2019



Source: Environment Management Bureau, DENR

Figure 1.13 Annual Average Concentration Level of PM_{10} from 2015 to 2019



Source: Environment Management Bureau, DENR

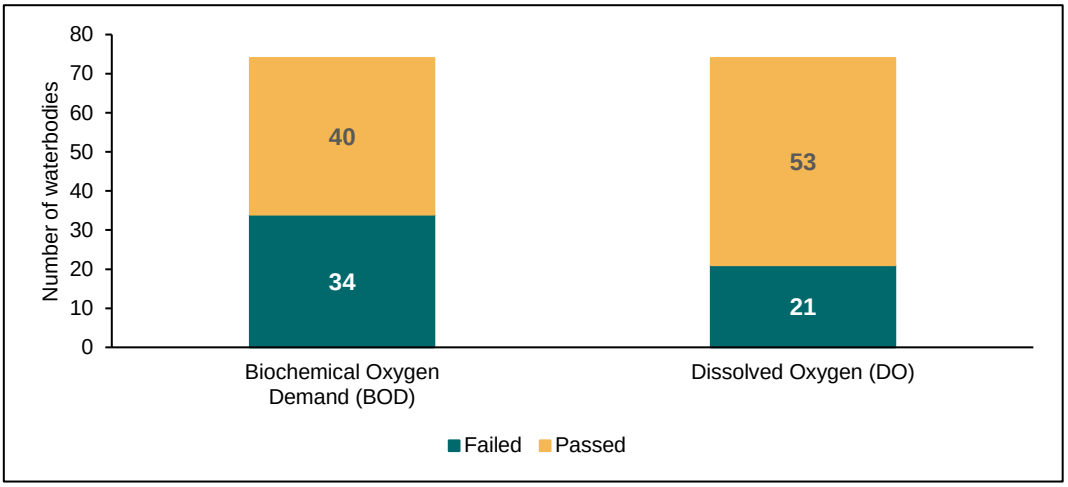
1.3.2 Freshwater Quality

Humans and ecosystems cannot survive without enough good quality of freshwater. The quality of freshwater can be described based on the concentrations of nutrients, organic matter, pathogens and contaminants in surface and ground water. Data on water quality are gathered from monitoring stations. Compiling statistics on freshwater quality will be useful for identifying pollutants present in specific locations as well as determining if the quality conforms to the standards. Moreover, indicator 6.3.2 – Proportion of bodies of water with good ambient water quality under SDG 6: Clean Water and Sanitation can be compiled from these statistics.

In the Philippines, the DENR released Department Administrative Order (DAO) No. 1990-34 containing the water classifications and water quality guidelines for parameters in freshwater and marine water bodies, which was updated on the new DAO No. 2016-08. According to this, biochemical oxygen demand (BOD) level for class AA freshwater bodies should be less than one milligram per liter (mg/L) to pass the minimum conditions necessary to assure the suitability of water for its designated use or classification. Also, BOD level should be less than three mg/L for class A, less than five mg/L for class B, less than seven mg/L for class C, and less than 15 mg/L for class D. Out of 74 selected freshwater bodies in the country, 40 water bodies or 54.1 percent passed the said criteria while 34 water bodies or 45.9 percent failed.

On the other hand, dissolved oxygen (DO) level should be greater than five mg/L for classes AA, A, B, and C while greater than two mg/L for class D. Based on the data, 53 water bodies or 71.6 percent of the 74 selected freshwater bodies passed while 21 water bodies or 28.4 percent failed. (Figure 1.14)

Figure 1.14 Number of Freshwater Bodies with BOD and DO by Conformance with the Guidelines in 2019



Source: Environment Management Bureau, DENR

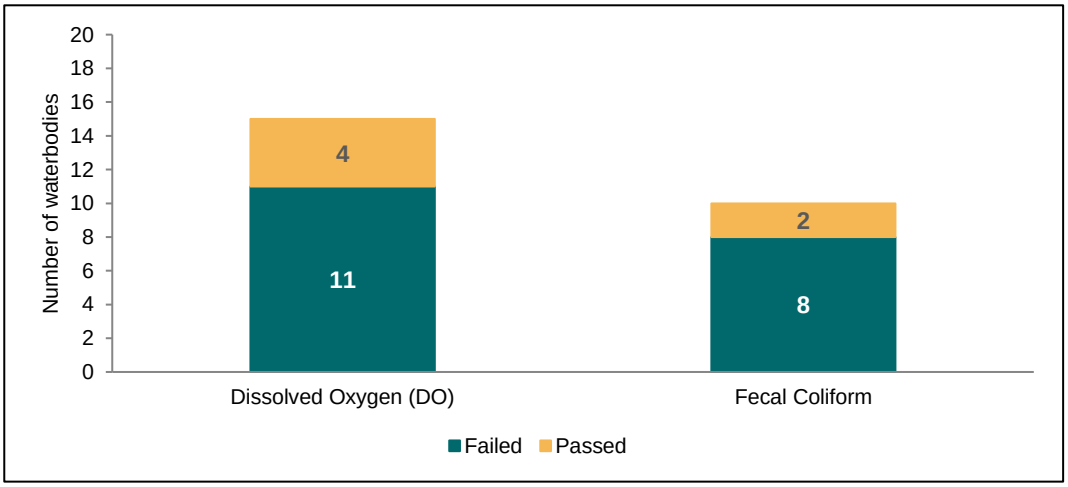
1.3.3 Marine Water Quality

Oceans play a significant role in regulating weather and atmospheric processes, absorbing CO_2 emissions and provisioning food and livelihood to humans. However, due to anthropogenic factors, the marine and coastal waters have been increasingly polluted. With this, compiling statistics on marine water quality is important to address issues on pollution on coastal and marine areas.

According to DAO No. 2016-08, the threshold for dissolved oxygen (DO) parameter in waterbodies with classes SA and SB is six mg/L, for class SC is five mg/L and for class SD is two mg/L. As seen in Figure 1.15, four water bodies or 26.7 percent of the 15 selected water bodies in the country passed the water quality guidelines while eleven water bodies or 73.3 percent failed (See Annex for descriptions of classes). The Dissolved Oxygen (DO) was not monitored during CY 2018 and 2019 and recreational waters shall be monitored using fecal coliform and pH, per Memorandum Circular 2015-006 (See Annex).

On the other hand, the threshold for fecal coliform for class SA is less than 1.1 most probable number per 100 milliliters (MPN/100 mL), 100 MPN/100 mL for class SB, 200 MPN/100 mL for class SC, and 400 MPN/100 mL for class SD. Out of 10 selected marine water bodies, two water bodies or 20.0 percent passed while eight water bodies or 80.0 percent failed.

Figure 1.15 Number of Marine Water Bodies with DO in 2017 and Fecal Coliform in 2019 by Conformance with the Guidelines



Source: Environment Management Bureau, DENR

Statistical Tables

Environmental Conditions and Quality

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Table 1.1.1
TEMPERATURE BY MONITORING STATION
2010
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	28.2	30.3	30.4	32.2	34.2	33.8	...	31.7	31.6	30.6	29.6	28.5
Minimum Temperature	22.5	21.7	23.0	23.8	24.4	24.1	...	23.5	23.4	23.4	23.1	22.9
Mean Temperature	25.3	26.0	26.7	28.0	29.3	29.0	...	27.6	27.5	27.0	26.4	25.7
Ambulong, Batangas												
Maximum Temperature	30.6	33.3	33.5	35.3	36.2	33.7	32.5	32.0	32.6	32.0	31.4	30.5
Minimum Temperature	22.4	21.7	23.1	24.0	24.6	24.8	24.2	24.6	24.4	24.3	24.1	23.7
Mean Temperature	26.5	27.5	28.3	29.7	30.4	29.2	28.4	28.3	28.5	28.2	27.8	27.1
Aparri, Cagayan												
Maximum Temperature	27.8	30.1	30.8	33.2	34.1	33.8	34.4	33.5	32.3	31.7	29.5	28.5
Minimum Temperature	21.0	21.9	23.0	24.0	25.3	25.2	25.0	24.7	24.4	24.4	23.2	22.0
Mean Temperature	24.4	26.0	26.9	28.6	29.7	29.6	29.7	29.1	28.3	28.1	26.3	25.3
Baguio City, Benguet												
Maximum Temperature	23.3	24.9	25.6	26.9	26.1	25.1	24.3	23.4	23.8	23.3	23.8	23.8
Minimum Temperature	13.0	13.9	14.4	15.9	16.7	16.7	16.0	16.1	15.7	15.7	15.4	14.0
Mean Temperature	18.2	19.4	20.0	21.4	21.4	20.9	20.2	19.8	19.8	19.5	19.6	18.9
Baler, Aurora (Radar)												
Maximum Temperature	27.3	29.6	...	...	...	32.1	30.3	31.0	30.9	30.0	28.4	28.5
Minimum Temperature	21.2	22.3	...	...	...	24.8	24.0	24.3	24.3	24.1	23.3	22.7
Mean Temperature	24.2	26.0	...	...	...	28.4	27.2	27.7	27.6	27.1	25.9	25.6
Basco, Batanes (Radar)												
Maximum Temperature	25.0	26.5	26.5	28.0	29.8	30.7	31.4	30.2	29.7	28.7	26.0	24.5
Minimum Temperature	18.3	20.5	20.3	22.0	23.8	24.3	24.7	24.3	23.5	23.0	20.9	19.2
Mean Temperature	21.6	23.5	23.4	25.0	26.8	27.5	28.1	27.3	26.6	25.9	23.5	21.8
Borongan, Eastern Samar												
Maximum Temperature	29.7	30.5	30.9	31.0	32.1	32.8	31.4	32.1	31.5	31.4	30.9	30.4
Minimum Temperature	23.3	23.3	23.4	24.5	24.7	24.9	24.3	24.5	24.2	24.2	23.8	23.6
Mean Temperature	26.5	26.9	27.2	27.8	28.4	28.9	27.8	28.3	27.9	27.8	27.4	27.0
Butuan City, Agusan Del Norte												
Maximum Temperature	30.0	31.7	32.1	33.1	33.9	34.5	33.3	32.9	33.4	32.9	32.7	31.7
Minimum Temperature	23.5	23.2	23.6	24.3	25.4	25.2	24.6	24.4	24.2	24.0	23.9	23.8
Mean Temperature	26.7	27.4	27.8	28.7	29.6	29.9	28.9	28.7	28.8	28.5	28.3	27.8
Cabanatuan, Nueva Ecija												
Maximum Temperature	32.5	34.1	34.9	36.9	37.3	34.9	33.6	32.7	33.4	32.6	32.7	32.7
Minimum Temperature	21.1	21.1	22.6	23.6	25.9	25.4	24.6	24.7	24.3	24.1	23.8	22.4
Mean Temperature	26.8	27.6	28.8	30.2	31.6	30.2	29.1	28.7	28.9	28.4	28.3	27.6
Calapan, Oriental Mindoro												
Maximum Temperature	28.2	30.6	31.2	32.6	33.6	33.7	31.7	31.5	31.2	30.5	30.2	29.5
Minimum Temperature	22.3	22.7	23.4	23.8	24.2	23.9	23.0	23.3	23.3	23.5	23.2	22.9
Mean Temperature	25.2	26.7	27.3	28.3	28.9	28.8	27.3	27.4	27.3	27.0	26.7	26.2
Calayan, Cagayan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora												
Maximum Temperature	27.9	31.0	...	32.3	34.1	34.1	32.6	33.0	32.9	...	29.8	...
Minimum Temperature	20.4	20.4	...	22.2	23.5	23.9	22.9	23.1	22.2	...	21.0	...
Mean Temperature	24.1	25.7	...	27.3	28.8	29.0	27.8	28.1	27.5	...	25.4	...
Catarman, Northern Samar												
Maximum Temperature	29.3	31.3	31.5	32.1	33.8	34.6	32.0	32.6	32.1	31.9	30.9	29.7
Minimum Temperature	22.4	21.8	22.8	23.0	23.6	24.5	23.3	23.3	23.4	23.5	22.8	23.2
Mean Temperature	25.9	26.6	27.2	27.6	28.7	29.5	27.7	28.0	27.8	27.7	26.9	26.4
Catbalogan, Western Samar												
Maximum Temperature	30.0	32.8	33.0	34.1	35.1	34.6	33.0	32.9	33.0	32.3	32.0	31.2
Minimum Temperature	23.5	23.3	24.2	25.4	26.4	26.6	25.2	25.6	25.1	25.0	24.8	24.4
Mean Temperature	26.8	28.1	28.6	29.7	30.8	30.6	29.1	29.3	29.1	28.7	28.4	27.8

Continued

Table 1.1.1 *(Continued)*
TEMPERATURE BY MONITORING STATION
2010
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	30.3	32.4	33.4	35.0	35.0	32.4	31.7	31.0	31.7	30.9	30.7	31.0
Minimum Temperature	20.4	20.0	21.8	23.1	24.6	24.2	23.2	23.5	23.2	23.3	22.9	21.6
Mean Temperature	25.4	26.2	27.6	29.1	29.8	28.3	27.5	27.3	27.5	27.1	26.8	26.3
Coron, Palawan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	23.1	23.5	24.6	25.4	25.6	24.9	24.5	24.2	24.3	24.6	24.2	24.1
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Cotabato City, Maguindanao												
Maximum Temperature	33.1	34.5	34.5	34.0	34.1	34.2	33.4	33.1	34.0	33.2	33.1	33.2
Minimum Temperature	22.6	23.1	23.4	23.0	22.6	22.4	22.2	22.4	23.1	22.7	22.7	22.7
Mean Temperature	27.9	28.8	29.0	28.5	28.4	28.3	27.8	27.8	28.6	28.0	27.9	28.0
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	31.8	33.3	34.8	35.9	35.6	33.0	32.7	31.6	33.2	32.5	32.3	32.0
Minimum Temperature	22.7	22.4	24.1	25.1	25.9	25.1	24.6	24.5	24.2	24.3	24.4	23.3
Mean Temperature	27.3	27.9	29.5	30.5	30.7	29.1	28.7	28.1	28.7	28.4	28.3	27.6
Cuyo, Palawan												
Maximum Temperature	31.3	32.8	33.7	34.3	34.7	...	...	31.7	32.1	31.7	...	31.8
Minimum Temperature	25.4	25.7	26.2	26.6	26.8	...	...	25.4	25.9	25.5	...	25.4
Mean Temperature	28.3	29.2	29.9	30.5	30.8	...	...	28.5	29.0	28.6	...	28.6
Daet, Camarines Norte												
Maximum Temperature	28.3	29.9	30.5	31.8	34.2	33.7	31.8	31.6	32.1	30.6	29.9	29.3
Minimum Temperature	24.1	23.4	25.1	26.1	26.3	26.0	24.8	25.4	25.0	25.1	24.9	24.5
Mean Temperature	26.2	26.6	27.8	29.0	30.3	29.9	28.3	28.5	28.6	27.9	27.4	26.9
Dagupan City, Pangasinan												
Maximum Temperature	31.4	32.1	34.0	34.7	35.2	33.5	33.1	31.8	32.5	32.0	31.5	31.0
Minimum Temperature	20.5	20.8	22.3	23.8	25.7	25.0	24.5	24.3	24.2	23.8	23.8	22.5
Mean Temperature	26.0	26.5	28.2	29.3	30.5	29.3	28.8	28.1	28.3	27.9	27.6	26.7
Davao City, Davao Del Sur												
Maximum Temperature	30.6	32.5	33.5	32.5	32.8	32.6	31.8	31.9	32.3	32.5	32.2	32.0
Minimum Temperature	23.9	23.6	24.4	24.8	25.5	25.1	24.5	24.5	24.3	24.5	24.3	24.3
Mean Temperature	27.3	28.1	29.0	28.7	29.2	28.9	28.1	28.2	28.3	28.5	28.3	28.2
Dipolog, Zamboanga Del Norte												
Maximum Temperature	30.4	31.8	32.8	32.9	33.0	32.4	31.8	31.7	31.8	32.0	31.6	31.1
Minimum Temperature	...	...	...	...	...	...	...	...	24.5	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	28.2	...	...	...
Dumaguete City, Negros Oriental												
Maximum Temperature	29.0	30.0	31.1	31.4	32.4	32.9	31.7	31.9	31.8	31.7	...	30.8
Minimum Temperature	24.4	24.1	24.3	25.1	26.0	25.3	24.8	24.4	24.3	24.3	...	24.7
Mean Temperature	26.7	27.1	27.7	28.3	29.2	29.1	28.3	28.2	28.1	28.0	...	27.8
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	29.6	31.5	33.2	33.8	34.2	33.2	32.0	32.3	32.2	32.1	31.9	31.5
Minimum Temperature	22.2	21.4	22.4	23.2	24.0	23.5	23.0	23.0	22.5	22.8	22.7	22.7
Mean Temperature	25.9	26.5	27.8	28.5	29.1	28.3	27.6	27.6	27.4	27.4	27.3	27.1
General Santos, South Cotabato												
Maximum Temperature	31.5	33.9	35.5	34.0	33.4	32.8	32.1	32.2	34.4	33.0	33.0	32.1
Minimum Temperature	22.8	22.9	23.5	23.9	23.9	23.5	23.0	23.0	23.5	22.9	22.9	22.6
Mean Temperature	27.1	28.4	29.5	28.9	28.7	28.1	27.6	27.6	29.0	27.9	28.0	27.4
Guiuan, Eastern Samar												
Maximum Temperature	27.9	29.6	30.4	30.7	32.8	33.7	31.1	31.4	31.4	30.8	29.8	29.5
Minimum Temperature	23.3	24.2	24.3	24.7	25.5	25.7	24.9	24.4	24.6	24.5	24.2	23.9
Mean Temperature	25.6	26.9	27.4	27.7	29.2	29.8	28.0	27.9	28.0	27.6	27.0	26.7
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.3	29.9	30.3	31.0	31.2	33.0	32.0	32.7	32.5	32.2	31.0	30.7
Minimum Temperature	23.6	23.3	23.5	24.0	24.7	25.0	24.2	24.2	24.1	23.8	23.6	23.0
Mean Temperature	26.4	26.6	26.9	27.5	28.0	29.0	28.1	28.5	28.3	28.0	27.3	26.9

Continued

Table 1.1.1 *(Continued)*
TEMPERATURE BY MONITORING STATION
2010
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	31.5	31.6	32.9	34.0	34.2	32.3	32.2	30.9	31.8	31.5	31.7	31.8
Minimum Temperature	22.4	21.9	24.1	25.6	26.3	25.6	25.2	24.4	24.7	24.6	24.5	23.7
Mean Temperature	26.9	26.8	28.5	29.8	30.3	29.0	28.7	27.6	28.3	28.1	28.1	27.7
Infanta, Quezon												
Maximum Temperature	28.3	30.5	30.7	33	34.7	34.6	32.6	33.4	32.9	31.3	29.7	28.5
Minimum Temperature	22.6	21.9	23.5	24	25.2	25.4	24.0	24.7	24.4	24.0	23.5	23.2
Mean Temperature	25.5	26.2	27.1	28.2	30.0	30.0	28.3	29.1	28.7	27.7	26.6	25.9
Itbayat, Batanes												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Juban, Sorsogon												
Maximum Temperature	...	...	...	...	...	...	...	31.8	31.6	31.0	30.2	28.9
Minimum Temperature	...	...	...	...	...	...	...	24.1	23.9	24.0	23.6	23.4
Mean Temperature	...	...	...	...	...	...	...	27.9	27.8	27.5	26.9	26.1
Laoag City, Ilocos Norte												
Maximum Temperature	31.1	31.5	32.9	34.4	34.7	33.3	34.0	32.5	32.1	32.6	32.0	31.4
Minimum Temperature	19.1	20.5	22.2	24.4	25.2	25.1	24.8	24.6	24.0	24.3	23.2	21.2
Mean Temperature	25.1	26.0	27.5	29.4	30.0	29.2	29.4	28.6	28.1	28.5	27.6	26.3
Legazpi City, Albay												
Maximum Temperature	28.7	30.3	31.0	31.8	33.6	33.9	32.5	31.8	32.3	31.2	30.7	29.7
Minimum Temperature	23.8	23.6	25.2	25.9	26.8	26.6	25.7	25.3	24.4	23.9	23.6	23.2
Mean Temperature	26.3	27.0	28.1	28.9	30.2	30.3	29.1	28.6	28.3	27.6	27.2	26.4
Maasin, Southern Leyte												
Maximum Temperature	30.1	31.8	32.5	33.4	34.5	34.3	32.6	31.5	32.0	31.5	32.1	31.1
Minimum Temperature	22.8	23.2	23.2	24.1	24.8	24.8	24.0	23.5	23.3	23.0	23.0	22.4
Mean Temperature	26.5	27.5	27.9	28.8	29.7	29.6	28.3	27.5	27.7	27.3	27.6	26.8
Mactan International Airport, Cebu												
Maximum Temperature	29.8	30.6	32.1	32.7	34.9	34.1	33.0	32.2	32.8	32.1	31.7	31.2
Minimum Temperature	23.6	23.9	24.6	25.7	26.7	25.8	25.2	24.9	25.2	25.1	25.2	25.2
Mean Temperature	26.7	27.2	28.3	29.2	30.8	30.0	29.1	28.6	29.0	28.6	28.5	28.2
Malaybalay, Bukidnon												
Maximum Temperature	28.7	30.6	31.6	31.7	31.8	31.1	30.4	29.8	31.5	30.3	31.6	30.9
Minimum Temperature	15.9	14.6	15.6	16.3	16.8	17.1	17.0	16.7	16.4	16.5	16.6	16.8
Mean Temperature	22.3	22.6	23.6	24.1	24.3	24.1	23.7	23.3	24.0	23.4	24.1	23.9
Masbate, Masbate												
Maximum Temperature	29.6	31.9	32.9	33.7	34.3	34.2	32.9	32.1	33.0	32.1	32.4	31.1
Minimum Temperature	23.8	23.8	24.9	25.4	26.4	26.5	25.6	25.3	25.7	25.5	25.1	24.8
Mean Temperature	26.7	27.9	28.9	29.6	30.4	30.3	29.3	28.7	29.3	28.8	28.8	28.0
NAIA (MIA), Pasay City												
Maximum Temperature	30.7	32.6	33.6	34.6	35.9	33.8	32.6	31.8	32.4	31.7	31.5	30.5
Minimum Temperature	23.6	23.5	25.2	26.0	27.6	26.4	25.8	25.6	25.7	25.2	25.1	24.2
Mean Temperature	27.2	28.1	29.4	30.3	31.7	30.1	29.2	28.7	29.1	28.5	28.4	27.3
Port Area (MCO), Manila												
Maximum Temperature	30.1	32.0	32.7	34.3	35.0	33.3	32.7	31.8	31.9	31.5	31.1	30.3
Minimum Temperature	24.6	25.1	26.3	27.3	28.8	27.3	26.5	26.2	26.3	26.0	25.9	25.4
Mean Temperature	27.4	28.6	29.5	30.8	31.9	30.3	29.6	29.0	29.1	28.8	28.5	27.8
Puerto Princesa City, Palawan												
Maximum Temperature	31.3	32.4	32.8	33.3	33.8	32.9	31.9	32.3	32.7	31.8	31.2	30.2
Minimum Temperature	24.1	23.0	24.8	25.7	26.3	25.4	24.7	24.5	24.9	24.5	24.5	24.3
Mean Temperature	27.7	27.7	28.8	29.5	30.1	29.2	28.3	28.4	28.8	28.2	27.9	27.3
Romblon, Romblon												
Maximum Temperature	28.3	30.5	31.6	32.5	33.7	33.5	31.3	30.5	31.1	29.9	30.0	29.0
Minimum Temperature	24.3	25.0	25.6	26.7	27.5	26.5	25.2	25.3	25.1	25.1	25.3	25.4
Mean Temperature	26.3	27.7	28.6	29.6	30.6	30.0	28.3	27.9	28.1	27.5	27.7	27.2

Continued

Table 1.1.1 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2010
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	28.6	30.0	31.0	32.1	33.0	32.9	31.6	31.3	32.0	30.8	31.0	30.2
Minimum Temperature	25.1	25.4	25.8	26.5	27.0	26.2	25.4	25.2	25.1	25.2	25.6	25.9
Mean Temperature	26.9	27.8	28.4	29.3	30.0	29.6	28.5	28.3	28.6	28.0	28.3	28.1
San Jose, Occidental Mindoro												
Maximum Temperature	...	...	...	...	...	...	...	31.3	31.8	31.5	32.2	32.7
Minimum Temperature	...	...	...	...	...	...	...	24.4	24.0	24.1	24.3	24.7
Mean Temperature	...	...	...	...	...	...	...	27.9	27.9	27.8	28.3	28.7
Sangley Point, Cavite												
Maximum Temperature	...	...	...	...	...	...	32.9	32.3	32.5	31.6	31.3	30.3
Minimum Temperature	...	...	...	...	...	...	26.9	26.5	26.7	26.6	26.2	25.7
Mean Temperature	...	...	...	...	...	...	29.9	29.4	29.6	29.1	28.8	28.0
Science Garden, Quezon City												
Maximum Temperature	31.2	33.3	34.0	35.6	36.2	33.6	33.0	32.4	32.8	31.7	31.0	30.3
Minimum Temperature	21.9	21.6	23.3	24.3	26.4	25.6	24.7	24.6	24.3	24.3	23.8	22.7
Mean Temperature	26.6	27.4	28.7	30.0	31.3	29.6	28.8	28.5	28.6	28.0	27.4	26.5
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.6	31.1	31.6	33.1	34.2	33.0	32.9	31.7	31.2	...	31.2	31.0
Minimum Temperature	20.8	21.9	22.9	24.2	24.7	24.2	23.6	23.6	23.0	...	22.3	21.2
Mean Temperature	25.7	26.5	27.3	28.7	29.4	28.6	28.3	27.7	27.1	...	26.8	26.1
Surigao, Surigao Del Norte												
Maximum Temperature	28.9	30.4	31.1	32.0	32.6	33.7	32.2	32.5	32.9	32.3	31.9	31.2
Minimum Temperature	22.9	23.3	23.7	24.3	24.9	24.7	24.1	24.2	24.0	23.7	23.7	23.2
Mean Temperature	25.9	26.8	27.4	28.2	28.7	29.2	28.1	28.3	28.5	28.0	27.8	27.2
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	31.2	32.8	33.7	33.6	34.5	34.0	33.2	32.8	33.1	32.9	32.4	32.6
Minimum Temperature	23.0	22.9	23.8	24.3	25.1	24.9	24.5	24.5	23.9	24.4	24.2	24.0
Mean Temperature	27.1	27.8	28.8	29.0	29.8	29.5	28.9	28.7	28.5	28.7	28.3	28.3
Tacloban City, Leyte												
Maximum Temperature	28.7	31.5	31.8	31.2	31.7	32.0	30.9	31.4	31.2	30.9	30.4	30.0
Minimum Temperature	23.7	23.9	24.7	25.3	26.2	26.4	25.5	25.5	25.5	25.1	25.0	24.9
Mean Temperature	26.2	27.7	28.3	28.3	29.0	29.2	28.2	28.4	28.3	28.0	27.7	27.5
Tanay, Rizal												
Maximum Temperature	24.1	26.9	27.4	29.5	31.1	28.4	27.8	26.6	27.5	26.2	26.0	24.8
Minimum Temperature	18.3	19.0	19.6	20.5	21.3	21.8	20.8	20.6	20.9	20.5	20.5	19.5
Mean Temperature	21.2	22.9	23.5	25.0	26.2	25.1	24.3	23.7	24.2	23.4	23.3	22.2
Tayabas, Quezon												
Maximum Temperature	27.6	30.2	30.0	32.2	34.3	33.2	31.7	31.4	31.4	30.6	29.4	28.1
Minimum Temperature	20.5	20.8	21.5	22.9	24.4	24.2	23.4	23.3	23.0	22.8	22.6	22.2
Mean Temperature	24.0	25.5	25.8	27.6	29.3	28.7	27.6	27.4	27.2	26.7	26.0	25.2
Tuguegarao, Cagayan												
Maximum Temperature	28.7	33.1	34.0	36.9	37.1	35.6	34.3	33.9	33.2	32.8	29.5	28.3
Minimum Temperature	17.6	18.9	19.5	22.9	23.9	23.1	22.6	22.3	21.9	22.1	21.1	19.5
Mean Temperature	23.2	26.0	26.8	29.9	30.5	29.4	28.4	28.1	27.6	27.5	25.3	23.9
Virac Synop, Catanduanes												
Maximum Temperature	28.9	30.2	30.8	31.5	32.3	33.3	31.3	31.5	31.5	31.2	30.5	30.0
Minimum Temperature	22.9	21.6	23.2	23.6	25.0	25.8	24.6	24.5	24.1	24.1	23.8	23.8
Mean Temperature	25.9	25.9	27.0	27.6	28.7	29.5	27.9	28.0	27.8	27.7	27.2	26.9
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	31.8	33.6	34.0	33.4	33.9	33.3	32.7	32.7	33.6	32.6	33.0	32.8
Minimum Temperature	22.4	21.4	22.0	22.4	22.9	22.6	21.5	21.7	21.1	20.9	20.8	20.6
Mean Temperature	27.1	27.5	28.0	27.9	28.4	28.0	27.1	27.2	27.3	26.8	26.9	26.7

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.2
TEMPERATURE BY MONITORING STATION
2011
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Ambulong, Batangas												
Maximum Temperature	29.8	31.3	...	...	...	...	30.9	30.7	31.4	31.6	31.1	30.1
Minimum Temperature	22.8	22.0	23.0	22.5	24.4	24.6	24.3	24.7	24.5	24.1	24.3	23.8
Mean Temperature	26.3	26.7	...	...	...	...	27.6	27.7	28.0	27.8	27.7	27.0
Aparri, Cagayan												
Maximum Temperature	26.8	28.2	29.2	30.9	32.9	33.7	33.3	32.9	31.8	30.8	...	...
Minimum Temperature	20.4	21.6	22.2	23.4	26.2	26.6	26.3	26.4	25.7	25.6	...	...
Mean Temperature	23.6	24.9	25.7	27.2	29.5	30.1	29.8	29.7	28.7	28.2	...	...
Baguio City, Benguet												
Maximum Temperature	22.8	23.6	24.4	25.7	25.0	23.6	22.2	22.6	22.3	22.8	24.0	23.8
Minimum Temperature	12.3	12.6	13.5	14.1	15.5	15.5	15.2	15.3	15.1	14.8	14.8	14.3
Mean Temperature	17.6	18.1	19.0	19.9	20.3	19.5	18.7	18.9	18.7	18.8	19.4	19.1
Baler, Aurora (Radar)												
Maximum Temperature	26.5	28.7	27.8	29.2	31.1	30.1	31.1	30.7	31.2	30.8	29.4	28.3
Minimum Temperature	21.4	21.6	22.0	22.1	24.3	24.3	24.5	23.6	24.2	23.8	23.1	22.1
Mean Temperature	24.0	25.1	24.9	25.7	27.7	27.2	27.8	27.2	27.7	27.3	26.3	25.2
Basco, Batanes (Radar)												
Maximum Temperature	22.0	23.9	23.3	25.5	28.8	29.7	29.5	29.9	29.2	28.1	27.3	23.1
Minimum Temperature	16.8	18.3	17.8	19.9	23.3	24.7	23.8	24.1	22.7	22.3	21.1	17.6
Mean Temperature	19.5	21.1	20.6	22.7	26.1	27.2	26.7	27.0	26.0	25.2	24.2	20.4
Borongan, Eastern Samar												
Maximum Temperature	29.4	29.8	29.8	30.6	31.0	31.2	31.8	32.7	32.5	31.6	30.6	30.1
Minimum Temperature	23.7	23.4	23.9	23.7	24.4	24.5	24.0	24.1	24.3	24.0	25.0	24.4
Mean Temperature	26.6	26.6	26.9	27.1	27.7	27.9	28.0	28.4	28.4	27.8	27.8	27.3
Butuan City, Agusan Del Norte												
Maximum Temperature	29.6	30.4	31.1	31.6	32.4	32.5	32.4	32.0	32.8	32.5	32.1	31.0
Minimum Temperature	23.4	23.2	23.7	24.1	24.5	24.7	24.6	24.7	24.4	24.2	24.4	24.4
Mean Temperature	26.5	26.8	27.5	27.9	28.5	28.6	28.5	28.4	28.7	28.4	28.3	27.7
Cabanatuan, Nueva Ecija												
Maximum Temperature	31.7	32.6	33.7	35.4	35.1	32.3	32.2	31.3	31.5	32.3	31.7	31.6
Minimum Temperature	21.3	21.2	22.5	22.7	24.6	24.8	24.8	24.6	24.6	24.2	24.1	23.7
Mean Temperature	26.5	26.9	28.1	29.1	29.9	28.6	28.5	28.0	28.1	28.3	27.9	27.7
Calapan, Oriental Mindoro												
Maximum Temperature	28.5	28.9	29.5	31.0	32.4	31.1	31.2	31.0	31.9	31.0	30.4	29.7
Minimum Temperature	22.0	22.0	22.6	22.9	23.8	23.5	23.4	23.5	23.7	23.4	23.3	22.8
Mean Temperature	25.3	25.5	26.1	26.9	28.1	27.3	27.3	27.3	27.8	27.3	26.9	26.3
Calayan, Cagayan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora												
Maximum Temperature	27.2	29.2	28.3	30.6	33.0	32.7	33.0	32.7	32.9	32.2	30.8	29.7
Minimum Temperature	18.5	18.3	19.2	19.2	21.5	22.1	21.1	21.3	20.6	19.2	20.2	21.5
Mean Temperature	22.9	23.8	23.8	24.9	27.3	27.4	27.0	27.0	26.8	25.7	25.5	25.6
Catarman, Northern Samar												
Maximum Temperature	28.3	29.2	28.5	30.6	31.5	31.9	32.3	32.0	33.0	31.9	30.7	30.3
Minimum Temperature	22.6	22.9	22.6	23.3	23.8	23.9	23.6	23.7	24.0	23.4	23.5	23.2
Mean Temperature	25.5	26.1	25.6	27.0	27.6	27.9	28.0	27.9	28.5	27.7	27.1	26.8
Catbalogan, Western Samar												
Maximum Temperature	29.2	30.7	30.5	31.7	31.9	32.6	32.2	32.6	32.9	32.5	31.5	30.6
Minimum Temperature	23.6	23.6	24.2	24.0	25.4	25.6	25.7	25.8	26.1	24.9	24.4	23.9
Mean Temperature	26.4	27.2	27.3	27.9	28.7	29.1	28.9	29.2	29.5	28.7	28.0	27.2

Continued

Table 1.1.2 (*Continued)*
TEMPERATURE BY MONITORING STATION
2011
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	29.6	30.4	31.0	33.2	33.5	30.1	30.4	30.1	29.9	31.2	30.4	30.2
Minimum Temperature	20.6	20.2	21.6	21.8	23.6	23.8	23.4	23.3	23.1	23.0	22.7	22.3
Mean Temperature	25.1	25.3	26.3	27.5	28.5	27.0	26.9	26.7	26.5	27.1	26.5	26.2
Coron, Palawan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	23.4	23.2	24.5	24.1	24.8	24.7	24.0	24.3	24.0	23.7	24.6	24.1
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Cotabato City, Maguindanao												
Maximum Temperature	32.3	32.7	33.1	34.0	32.8	32.3	32.1	32.3	32.8	33.2	33.2	32.6
Minimum Temperature	22.5	22.6	22.8	23.4	22.9	22.6	22.6	22.8	23.1	23.1	23.3	23.1
Mean Temperature	27.4	27.6	28.0	28.7	27.9	27.5	27.3	27.6	28.0	28.1	28.2	27.9
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	30.8	32.1	33.4	33.9	33.6	31.1	30.7	30.9	30.3	32.5	32.2	31.8
Minimum Temperature	22.9	22.9	24.2	23.9	25.4	24.7	24.3	24.3	24.1	24.3	24.3	24.1
Mean Temperature	26.8	27.5	28.8	28.9	29.5	27.9	27.5	27.6	27.2	28.4	28.3	28.0
Cuyo, Palawan												
Maximum Temperature	30.5	30.7	31.1	31.6	31.8	31.7	30.8	31.0	31.4	31.6	31.9	30.9
Minimum Temperature	24.9	24.9	24.8	25.7	25.8	25.4	24.4	25.3	25.5	25.5	25.6	25.4
Mean Temperature	27.7	27.8	27.9	28.7	28.8	28.6	27.6	28.1	28.4	28.5	28.7	28.2
Daet, Camarines Norte												
Maximum Temperature	28.9	29.0	28.9	30.5	31.3	31.5	31.6	32.0	32.1	31.2	30.0	29.0
Minimum Temperature	24.0	24.0	24.7	24.9	25.7	25.6	25.3	25.7	25.0	25.0	25.0	24.4
Mean Temperature	26.5	26.5	26.8	27.7	28.5	28.5	28.5	28.9	28.5	28.1	27.5	26.7
Dagupan City, Pangasinan												
Maximum Temperature	30.7	30.8	31.7	32.8	33.4	32.1	31.3	30.6	30.8	31.9	31.7	31.1
Minimum Temperature	20.5	21.2	22.8	23.6	24.8	28.2	24.0	23.9	23.8	24.2	24.0	23.3
Mean Temperature	25.6	26.0	27.3	28.2	29.1	30.2	27.7	27.3	27.3	28.0	27.8	27.2
Davao City, Davao Del Sur												
Maximum Temperature	30.5	30.5	31.2	32.6	32.4	31.5	31.5	31.9	31.9	32.7	32.2	31.2
Minimum Temperature	23.7	23.6	24.1	24.4	24.9	24.6	24.5	24.4	24.3	24.1	24.4	24.4
Mean Temperature	27.1	27.0	27.7	28.5	28.6	28.1	28.0	28.1	28.1	28.4	28.3	27.8
Dipolog, Zamboanga Del Norte												
Maximum Temperature	30.3	30.4	30.7	32.0	31.9	31.8	31.8	32.1	32.2	31.8	31.2	30.6
Minimum Temperature	...	24.0	24.5	25.4	24.4	24.4	24.3	24.3	24.4	24.5	24.4	24.1
Mean Temperature	...	27.3	27.6	28.7	28.1	28.1	28.1	28.2	28.3	28.2	27.8	27.4
Dumaguete City, Negros Oriental												
Maximum Temperature	29.4	29.6	30.0	30.9	31.3	31.8	32.0	32.1	32.2	31.6	31.4	30.5
Minimum Temperature	24.5	24.3	24.8	25.0	24.9	24.6	23.9	24.1	24.1	24.1	24.8	24.7
Mean Temperature	26.9	27.0	27.4	28.0	28.1	28.2	28.0	28.1	28.2	27.9	28.1	27.7
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	29.9	29.8	30.6	31.8	32.7	32.2	32.4	32.6	32.6	32.3	32.0	31.3
Minimum Temperature	22.1	22.0	22.5	22.9	23.3	23.1	22.8	22.8	23.0	22.4	22.8	22.7
Mean Temperature	26.0	25.9	26.6	27.3	28.0	27.7	27.6	27.7	27.8	27.4	27.4	27.0
General Santos, South Cotabato												
Maximum Temperature	31.7	31.4	32.3	32.5	32.5	31.0	31.5	31.2	31.4	33.1	32.6	31.5
Minimum Temperature	22.4	22.3	22.4	23.1	23.1	22.8	22.5	22.3	22.6	22.3	22.7	22.7
Mean Temperature	27.0	26.8	27.4	27.8	27.8	26.9	27.0	26.8	27.0	27.7	27.7	27.1
Guiuan, Eastern Samar												
Maximum Temperature	28.2	28.6	28.9	29.2	30.6	30.5	31.3	31.1	31.5	31.0	30.5	29.5
Minimum Temperature	23.2	23.3	23.3	24.0	24.6	24.2	23.7	24.1	24.4	24.3	24.1	24.2
Mean Temperature	25.7	26.0	26.1	26.6	27.6	27.4	27.5	27.6	27.9	27.6	27.3	26.9
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.5	29.7	30.0	30.4	32.0	31.5	32.4	33.0	33.2	31.8	30.9	30.2
Minimum Temperature	22.1	23.1	23.5	23.6	24.1	24.3	24.0	23.8	24.1	23.7	24.0	23.7
Mean Temperature	25.8	26.4	26.7	27.0	28.1	27.9	28.2	28.4	28.6	27.7	27.4	27.0

Continued

Table 1.1.2 (*Continued)*
TEMPERATURE BY MONITORING STATION
2011
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	31.3	31.1	31.9	32.3	32.3	30.9	30.6	30.7	30.3	31.7	32.0	31.5
Minimum Temperature	23.3	22.8	24.4	24.4	25.3	24.7	23.8	23.7	23.9	24.2	24.9	24.3
Mean Temperature	27.3	26.9	28.1	28.4	28.8	27.8	27.2	27.2	27.1	28.0	28.5	27.9
Infanta, Quezon												
Maximum Temperature	27.4	28.4	28.4	30.3	32.9	32.2	32.6	32.4	33.3	31.1	30.5	28.8
Minimum Temperature	22.3	22.2	22.9	23.0	24.5	24.4	24.6	24.9	24.9	24.1	23.7	23.5
Mean Temperature	24.8	25.3	25.7	26.6	28.7	28.3	28.6	28.7	29.1	27.6	27.2	26.1
Itbayat, Batanes												
Maximum Temperature	22.9	24.8	24.4	27.1	30.0	31.6	30.9	31.3	30.7	29.3	28.3	24.5
Minimum Temperature	17.0	18.4	18.1	20.2	24.1	25.1	24.5	24.6	24.5	23.7	22.8	18.9
Mean Temperature	19.9	21.6	21.3	23.7	27.1	28.3	27.8	28.0	27.6	26.5	25.6	21.7
Juban, Sorsogon												
Maximum Temperature	27.5	28.7	28.0	30.0	31.2	31.2	31.1	...	31.6	31.0	30.4	29.2
Minimum Temperature	23.0	22.1	23.5	22.2	24.1	23.6	24.0	...	24.8	23.6	24.4	24.2
Mean Temperature	25.2	25.4	25.8	26.1	27.6	27.4	27.6	...	28.2	27.3	27.4	26.7
Laoag City, Ilocos Norte												
Maximum Temperature	30.5	30.8	32.8	32.8	33.6	32.7	31.7	31.4	31.1	31.6	31.6	29.9
Minimum Temperature	20.2	19.3	23.0	22.4	25.4	25.1	24.8	24.9	24.5	24.2	24.0	22.4
Mean Temperature	25.4	25.0	27.9	27.6	29.5	28.9	28.2	28.2	27.8	27.9	27.8	26.2
Legazpi City, Albay												
Maximum Temperature	28.3	30.0	28.8	30.8	31.3	31.4	30.9	31.3	31.6	31.3	30.4	29.6
Minimum Temperature	22.1	22.5	23.1	22.7	23.6	23.5	22.9	22.9	23.1	22.2	21.9	21.3
Mean Temperature	25.2	26.3	25.9	26.8	27.5	27.4	27.0	27.1	27.4	26.8	26.2	25.4
Maasin, Southern Leyte												
Maximum Temperature	27.7	29.3	30.0	30.6	31.2	31.0	30.8	31.0	31.6	31.4	31.2	30.0
Minimum Temperature	21.4	21.4	21.6	21.7	22.5	22.4	22.2	22.0	22.1	21.9	21.8	21.5
Mean Temperature	24.5	25.4	25.8	26.1	26.9	26.7	26.5	26.5	26.9	26.7	26.5	25.8
Mactan International Airport, Cebu												
Maximum Temperature	28.7	30.4	30.3	30.7	31.7	31.4	31.5	30.9	31.7	30.9	30.9	29.8
Minimum Temperature	24.1	24.3	24.7	25.2	25.6	25.4	24.9	24.7	25.1	25.1	25.2	24.7
Mean Temperature	26.4	27.4	27.5	28.0	28.7	28.4	28.2	27.8	28.4	28.0	28.1	27.3
Malaybalay, Bukidnon												
Maximum Temperature	29.1	29.9	29.9	30.8	29.3	29.4	28.7	29.3	30.0	30.9	31.0	30.1
Minimum Temperature	16.2	16.4	16.7	16.7	17.4	17.6	17.2	17.4	17.3	16.8	17.1	17.1
Mean Temperature	22.6	23.2	23.3	23.8	23.3	23.5	23.0	23.3	23.6	23.9	24.1	23.6
Masbate, Masbate												
Maximum Temperature	29.0	31.0	29.7	31.9	31.8	31.8	31.9	32.4	33.0	32.5	32.1	31.0
Minimum Temperature	23.9	24.1	24.2	24.2	25.0	25.2	25.0	25.5	25.6	25.3	25.1	24.7
Mean Temperature	26.5	27.6	27.0	28.1	28.4	28.5	28.5	29.0	29.3	29.0	28.6	27.9
NAIA (MIA), Pasay City												
Maximum Temperature	30.1	31.0	31.7	32.9	33.6	31.9	30.6	30.9	30.7	31.6	31.9	30.5
Minimum Temperature	23.4	23.4	24.5	24.4	26.0	25.7	25.1	25.4	25.2	25.0	25.0	24.4
Mean Temperature	26.8	27.2	28.1	28.6	29.8	28.8	27.9	28.1	28.0	28.3	28.5	27.5
Port Area (MCO), Manila												
Maximum Temperature	29.9	30.3	31.2	32.3	33.2	31.9	30.7	30.9	30.8	31.5	31.3	30.2
Minimum Temperature	24.2	24.5	25.3	25.9	26.9	26.3	25.8	26.0	26.1	26.1	25.8	25.2
Mean Temperature	27.1	27.4	28.3	29.1	30.1	29.1	28.3	28.5	28.4	28.8	28.6	27.7
Puerto Princesa City, Palawan												
Maximum Temperature	30.5	30.6	30.9	31.7	32.2	32.0	31.4	31.9	32.1	31.9	31.5	31.1
Minimum Temperature	24.4	24.3	25.2	24.9	24.9	24.9	24.3	24.4	24.3	24.4	24.7	24.5
Mean Temperature	27.4	27.5	28.1	28.3	28.6	28.5	27.8	28.2	28.2	28.1	28.1	27.8
Romblon, Romblon												
Maximum Temperature	27.9	29.0	28.5	30.5	31.0	...	28.4	28.7	29.4	28.6	28.2	27.2
Minimum Temperature	24.1	24.3	24.7	24.8	25.8	...	24.3	24.8	25.1	24.6	24.7	24.3
Mean Temperature	26.0	26.7	26.6	27.7	28.4	...	26.4	26.8	27.2	26.7	26.5	25.7

Continued

Table 1.1.2 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2011
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	28.2	29.0	28.8	30.6	31.7	31.1	30.8	31.0	31.5	30.9	30.7	29.8
Minimum Temperature	25.1	25.0	25.2	25.8	26.1	25.5	25.4	25.3	25.6	25.7	25.9	25.4
Mean Temperature	26.7	27.0	27.0	28.2	28.9	28.3	28.1	28.2	28.6	28.3	28.3	27.6
San Jose, Occidental Mindoro												
Maximum Temperature	32.1	33.0	34.1	33.8	33.0	31.3	30.6	30.5	30.8	...	...	...
Minimum Temperature	24.2	23.5	25.9	23.7	24.2	24.6	23.9	24.8	24.3	...	...	...
Mean Temperature	28.2	28.3	30.0	28.8	28.6	28.0	27.3	27.7	27.6	...	...	...
Sangley Point, Cavite												
Maximum Temperature	30.0	31.0	31.3	32.7	34.3	32.0	31.3	31.2	31.1	32.5	31.7	30.0
Minimum Temperature	24.7	24.9	25.6	26.0	27.1	26.4	26.4	26.3	25.9	25.9	25.7	25.3
Mean Temperature	27.3	27.9	28.5	29.3	30.7	29.2	28.8	28.7	28.6	29.2	28.7	27.7
Science Garden, Quezon City												
Maximum Temperature	30.1	31.3	31.8	32.6	33.6	31.7	30.7	30.8	30.9	31.8	31.9	30.5
Minimum Temperature	21.7	21.8	23.1	22.9	24.9	24.9	24.7	24.4	24.6	23.7	23.7	23.1
Mean Temperature	25.9	26.6	27.5	27.8	29.2	28.3	27.7	27.6	27.8	27.8	27.8	26.8
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.8	30.3	...	32.0	32.7	32.1	30.9	30.8	30.7	31.3	31.6	30.4
Minimum Temperature	20.7	18.8	...	22.1	23.7	24.0	23.6	23.5	23.2	23.2	23.5	22.0
Mean Temperature	25.8	24.6	...	27.1	28.3	28.1	27.3	27.2	27.0	27.2	27.6	26.2
Surigao, Surigao Del Norte												
Maximum Temperature	28.8	29.7	30.4	30.9	32.0	31.8	32.6	33.0	33.0	32.3	31.7	30.6
Minimum Temperature	22.2	22.5	22.8	23.1	23.6	23.6	23.9	24.4	24.1	24.0	23.7	22.8
Mean Temperature	25.5	26.2	26.6	27.0	27.8	27.7	28.2	28.7	28.6	28.2	27.7	26.7
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	30.1	31.0	31.4	32.5	32.3	32.4	32.8	33.0	33.4	32.8	33.2	31.9
Minimum Temperature	23.4	23.4	23.7	23.7	24.6	24.6	24.7	24.8	24.8	24.2	24.2	23.7
Mean Temperature	26.7	27.2	27.6	28.1	28.5	28.5	28.8	28.9	29.1	28.5	28.7	27.8
Tacloban City, Leyte												
Maximum Temperature	27.9	29.5	29.2	30.1	30.6	30.5	31.1	31.7	31.8	31.4	30.7	29.8
Minimum Temperature	24.1	24.3	24.5	24.7	25.6	25.5	25.3	25.4	25.7	25.3	25.2	25.0
Mean Temperature	26.0	26.9	26.8	27.4	28.1	28.0	28.2	28.6	28.7	28.4	28.0	27.4
Tanay, Rizal												
Maximum Temperature	23.9	25.1	24.7	26.5	28.4	26.6	25.8	25.5	25.8	26.2	25.6	24.2
Minimum Temperature	18.4	18.5	18.9	19.3	21.1	20.9	20.7	20.8	20.9	20.6	20.5	20.1
Mean Temperature	21.2	21.9	21.8	22.9	24.7	23.8	23.3	23.2	23.4	23.4	23.1	22.1
Tayabas, Quezon												
Maximum Temperature	27.5	28.3	27.9	29.6	31.5	30.7	30.9	31.0	31.1	30.3	29.5	28.5
Minimum Temperature	19.8	19.2	19.9	20.6	23.0	22.9	23.0	23.5	22.7	23.1	22.9	22.7
Mean Temperature	23.7	23.8	23.9	25.1	27.3	26.8	27.0	27.3	26.9	26.7	26.2	25.6
Tuguegarao, Cagayan												
Maximum Temperature	27.1	29.3	30.1	33.0	35.1	34.8	34.0	33.0	32.7	31.5	30.0	27.6
Minimum Temperature	17.7	18.0	20.7	20.8	23.9	24.4	23.8	22.8	22.4	21.5	20.6	19.2
Mean Temperature	22.4	23.7	25.4	26.9	29.5	29.6	28.9	27.9	27.6	26.5	25.3	23.4
Virac Synop, Catanduanes												
Maximum Temperature	28.4	29.6	29.5	30.3	31.0	31.2	31.6	31.8	32.6	30.9	30.1	29.8
Minimum Temperature	22.9	22.4	23.4	22.7	24.2	24.6	24.4	24.8	24.7	24.3	24.0	23.7
Mean Temperature	25.7	26.0	26.4	26.5	27.6	27.9	28.0	28.3	28.7	27.6	27.1	26.8
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	32.5	32.0	32.5	33.4	32.8	32.6	32.7	32.6	32.6	33.0	33.6	32.8
Minimum Temperature	20.0	20.4	24.1	24.6	24.9	25.2	24.9	24.8	24.6	24.4	24.3	24.6
Mean Temperature	26.3	26.2	28.3	29.0	28.8	28.9	28.8	28.7	28.6	28.7	29.0	28.7

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.3
TEMPERATURE BY MONITORING STATION
2012
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	29.2	29.5	30.1	32.7	33.1	32.8	31.5	31.6	31.6	31.2	31.1	30.7
Minimum Temperature	21.3	23.4	23.6	24.1	24.3	24.8	24.3	24.5	24.3	23.8	24.2	23.8
Mean Temperature	25.3	26.5	26.9	28.4	28.7	28.8	27.9	28.1	27.9	27.5	27.7	27.2
Ambulong, Batangas												
Maximum Temperature	30.6	30.4	30.8	33.2	33.1	31.7	30.5	29.9	30.6	30.9	31.2	30.7
Minimum Temperature	23.8	23.4	23.8	23.7	24.1	24.3	24.1	24.6	24.3	23.5	23.7	23.7
Mean Temperature	27.2	26.9	27.3	28.5	28.6	28.0	27.3	27.3	27.5	27.2	27.5	27.2
Aparri, Cagayan												
Maximum Temperature	28.2	29.0	30.5	33.3	33.5	32.9	31.8	31.2	31.9	30.8	30.5	28.6
Minimum Temperature	22.1	22.8	24.0	24.9	26.3	25.6	25.1	25.1	25.1	24.5	24.4	22.6
Mean Temperature	25.2	25.9	27.2	29.1	29.9	29.2	28.5	28.1	28.5	27.6	27.5	25.6
Baguio City, Benguet												
Maximum Temperature	23.9	23.7	24.7	26.2	25.6	22.5	22.9	20.8	24.2	23.7	24.9	24.5
Minimum Temperature	12.9	13.2	13.8	14.9	15.5	15.5	15.5	15.3	15.9	14.7	14.6	13.9
Mean Temperature	18.4	18.5	19.3	20.6	20.6	19.0	19.2	18.0	20.1	19.2	19.8	19.2
Baler, Aurora (Radar)												
Maximum Temperature	28.2	27.7	28.6	30.9	32.5	33.2	30.5	31.2	30.7	30.1	30.1	28.4
Minimum Temperature	21.6	21.4	22.2	23.2	24.6	25.3	23.8	23.9	23.3	22.6	22.4	22.2
Mean Temperature	24.9	24.6	25.5	27.1	28.5	29.3	27.2	27.5	27.0	26.4	26.3	25.3
Basco, Batanes (Radar)												
Maximum Temperature	23.9	24.6	25.7	28.3	29.6	30.1	29.9	29.4	28.5	27.1	26.8	24.9
Minimum Temperature	17.7	18.0	19.9	21.6	22.6	23.2	23.0	22.5	22.1	20.7	20.0	17.9
Mean Temperature	20.9	21.3	22.8	24.9	26.1	26.6	26.5	25.9	25.3	23.9	23.4	21.4
Borongan, Eastern Samar												
Maximum Temperature	29.9	29.7	30.4	31.3	32.2	32.5	31.5	33.6	32.0	31.8	30.9	30.4
Minimum Temperature	23.7	24.4	24.2	24.2	24.5	24.4	24.4	24.2	24.2	24.5	24.4	24.1
Mean Temperature	26.8	27.0	27.3	27.8	28.4	28.4	28.0	28.9	28.1	28.2	27.7	27.3
Butuan City, Agusan Del Norte												
Maximum Temperature	31.1	31.1	32.3	32.5	33.4	33.2	32.3	33.3	31.8	31.7	30.7	31.5
Minimum Temperature	23.7	23.8	23.9	24.4	24.9	24.8	24.5	23.9	24.2	24.0	23.4	23.7
Mean Temperature	27.4	27.5	28.1	28.5	29.2	29.0	28.4	28.6	28.0	27.9	27.1	27.6
Cabanatuan, Nueva Ecija												
Maximum Temperature	32.0	32.2	33.5	36.5	36.0	32.4	32.0	30.5	31.7	32.0	33.0	32.6
Minimum Temperature	22.7	22.4	23.2	24.6	25.6	24.8	24.6	24.2	24.6	23.6	22.9	23.2
Mean Temperature	27.4	27.3	28.4	30.6	30.8	28.6	28.3	27.4	28.1	27.8	28.0	27.9
Calapan, Oriental Mindoro												
Maximum Temperature	29.6	29.9	30.9	33.4	34.1	33.7	31.6	31.2	31.2	31.1	31.6	29.9
Minimum Temperature	22.9	22.8	23.1	23.7	24.1	24.1	23.4	23.4	23.5	23.1	23.4	22.7
Mean Temperature	26.3	26.4	27.0	28.6	29.1	28.9	27.5	27.3	27.4	27.1	27.5	26.3
Calayan, Cagayan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora												
Maximum Temperature	29.9	29.8	30.2	32.9	34.2	34.3	32.1	32.2	32.1	30.6	30.8	28.8
Minimum Temperature	20.9	20.3	20.9	21.4	22.8	23.8	24.2	24.6	24.0	22.4	22.4	22.2
Mean Temperature	25.4	25.1	25.6	27.2	28.5	29.0	28.2	28.4	28.1	26.5	26.6	25.5
Catarman, Northern Samar												
Maximum Temperature	30.1	30.1	30.6	31.6	32.4	32.6	31.2	32.9	31.8	31.1	31.0	30.5
Minimum Temperature	23.1	23.1	23.4	22.9	24.1	24.2	24.0	24.7	24.3	23.9	23.1	23.5
Mean Temperature	26.6	26.6	27.0	27.2	28.3	28.4	27.6	28.8	28.0	27.5	27.1	27.0
Catbalogan, Western Samar												
Maximum Temperature	31.1	30.7	32.3	33.5	33.8	33.1	32.0	33.9	32.0	32.1	32.4	31.8
Minimum Temperature	23.5	23.9	24.5	24.8	25.8	25.8	25.3	26.0	25.2	24.8	24.3	24.3
Mean Temperature	27.3	27.3	28.4	29.2	29.8	29.4	28.6	29.9	28.6	28.4	28.3	28.0

Continued

Table 1.1.3 *(Continued)*
TEMPERATURE BY MONITORING STATION
2012
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	30.3	31.1	31.9	34.5	33.3	30.9	30.5	29.5	30.9	30.4	31.5	31.5
Minimum Temperature	21.2	21.6	22.7	23.5	23.9	23.5	23.3	23.3	23.7	22.4	22.0	21.7
Mean Temperature	25.8	26.4	27.3	29.0	28.6	27.2	26.9	26.4	27.3	26.4	26.8	26.6
Coron, Palawan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	23.8	24.3	24.6	23.5	23.2	22.9	22.6	24.6	24.0	23.4	24.9	24.3
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Cotabato City, Maguindanao												
Maximum Temperature	32.9	33.1	33.3	33.9	32.7	32.0	31.5	32.5	31.5	32.1	33.0	33.0
Minimum Temperature	23.1	23.0	23.5	23.3	23.2	23.0	22.7	23.4	22.7	23.3	23.7	23.7
Mean Temperature	28.0	28.1	28.4	28.6	28.0	27.5	27.1	27.9	27.1	27.7	28.3	28.4
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	32.1	32.8	34.0	35.2	33.3	30.9	30.9	29.5	31.3	31.6	33.2	32.5
Minimum Temperature	23.8	23.6	24.5	25.2	25.2	24.5	24.2	23.9	24.4	23.5	24.1	24.0
Mean Temperature	28.0	28.2	29.3	30.2	29.3	27.7	27.6	26.7	27.8	27.6	28.6	28.3
Cuyo, Palawan												
Maximum Temperature	31.1	30.9	31.3	32.4	...	...	30.8	32.1	30.6	31.7	31.9	31.1
Minimum Temperature	25.1	25.4	25.6	26.2	...	...	25.3	25.9	25.5	25.6	26.0	25.7
Mean Temperature	28.1	28.2	28.4	29.3	...	...	28.0	29.0	28.0	28.7	29.0	28.4
Daet, Camarines Norte												
Maximum Temperature	28.8	29.2	30.0	31.7	33.2	33.0	31.7	32.5	31.3	30.4	30.7	30.1
Minimum Temperature	24.0	23.9	24.6	24.6	24.7	25.0	24.9	25.0	24.3	24.1	24.9	24.5
Mean Temperature	26.4	26.6	27.3	28.2	28.9	29.0	28.3	28.8	27.8	27.3	27.8	27.3
Dagupan City, Pangasinan												
Maximum Temperature	31.4	31.8	33.2	35.2	34.2	31.6	31.5	30.2	31.9	31.7	33.0	32.4
Minimum Temperature	21.5	21.6	23.1	24.8	25.0	24.6	24.3	23.9	24.5	23.8	23.5	23.0
Mean Temperature	26.4	26.7	28.1	30.0	29.6	28.1	27.9	27.1	28.2	27.8	28.3	27.7
Davao City, Davao Del Sur												
Maximum Temperature	30.6	31.4	32.1	32.1	32.7	32.1	31.5	32.0	32.5	32.4	31.5	31.4
Minimum Temperature	23.8	24.1	24.0	24.7	24.8	24.6	24.6	24.5	24.3	24.6	24.5	24.2
Mean Temperature	27.2	27.8	28.1	28.4	28.8	28.4	28.1	28.3	28.4	28.5	28.0	27.8
Dipolog, Zamboanga Del Norte												
Maximum Temperature	30.4	30.2	31.0	31.6	31.9	31.9	31.3	32.7	31.0	31.2	31.1	30.8
Minimum Temperature	25.1	24.4	24.3	24.5	25.1	24.2	24.3	24.6	24.2	23.8	24.5	24.3
Mean Temperature	27.8	27.3	27.7	28.1	28.5	28.1	27.8	28.7	27.6	27.5	27.8	27.6
Dumaguete City, Negros Oriental												
Maximum Temperature	30.3	30.4	31.0	31.9	32.3	32.3	31.2	33.2	32.2	31.3	30.9	30.4
Minimum Temperature	24.7	24.6	24.8	25.3	24.6	24.2	24.5	24.1	24.0	24.6	25.0	25.0
Mean Temperature	27.5	27.5	27.9	28.6	28.4	28.2	27.9	28.7	28.1	27.9	28.0	27.7
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	31.3	31.5	32.9	33.3	32.9	32.9	31.8	33.8	32.3	32.0	31.8	31.4
Minimum Temperature	22.0	22.2	22.5	22.9	22.9	22.9	22.8	23.0	22.7	22.7	22.5	22.3
Mean Temperature	26.7	26.9	27.7	28.2	27.9	27.9	27.3	28.4	27.5	27.4	27.1	26.8
General Santos, South Cotabato												
Maximum Temperature	31.9	32.4	32.5	33.2	32.0	32.0	31.4	32.2	31.6	32.4	32.2	32.2
Minimum Temperature	22.6	22.4	22.8	23.1	23.0	22.9	22.4	22.6	22.8	22.9	23.0	22.7
Mean Temperature	27.3	27.4	27.6	28.2	27.5	27.5	26.9	27.4	27.2	27.7	27.6	27.4
Guiuan, Eastern Samar												
Maximum Temperature	29.1	28.9	29.3	30.9	32.3	32.1	31.1	32.6	31.2	30.6	29.5	29.2
Minimum Temperature	23.5	23.6	24.0	25.1	25.2	24.7	24.3	25.4	24.1	23.8	23.7	23.5
Mean Temperature	26.3	26.3	26.7	28.0	28.8	28.4	27.7	29.0	27.7	27.2	26.6	26.4
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.7	29.6	30.5	30.6	32.6	32.9	32.4	33.9	32.9	31.9	29.9	30.4
Minimum Temperature	23.6	23.7	24.0	24.0	24.2	24.2	23.9	24.1	24.2	24.2	23.7	23.8
Mean Temperature	26.7	26.6	27.3	27.3	28.4	28.6	28.2	29.0	28.6	28.0	26.8	27.1

Continued

Table 1.1.3 *(Continued)*
TEMPERATURE BY MONITORING STATION
2012
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	32.1	32.1	33.2	34.3	33.5	30.8	30.4	29.7	31.0	31.6	33.0	33.6
Minimum Temperature	23.5	23.6	24.7	25.0	25.5	24.9	24.5	24.3	24.6	24.0	24.1	24.5
Mean Temperature	27.8	27.9	28.9	29.7	29.5	27.9	27.5	27.0	27.8	27.8	28.5	29.0
Infanta, Quezon												
Maximum Temperature	28.8	28.9	29.6	32.6	34.1	35.1	32.5	33.4	32.3	31.3	30.9	30.1
Minimum Temperature	23.3	22.6	23.4	24.3	24.8	25.7	24.4	25.1	24.3	23.7	23.5	23.3
Mean Temperature	26.1	25.8	26.5	28.5	29.5	30.4	28.5	29.3	28.3	27.5	27.2	26.7
Itbayat, Batanes												
Maximum Temperature	24.7	25.6	27.2	29.8	31.5	32.0	32.1	31.0	30.3	28.1	27.2	24.9
Minimum Temperature	19.0	19.6	20.8	23.1	24.7	25.4	25.5	25.0	24.6	21.6	21.9	19.5
Mean Temperature	21.9	22.6	24.0	26.4	28.1	28.7	28.8	28.0	27.5	24.9	24.5	22.2
Juban, Sorsogon												
Maximum Temperature	29.4	29.4	29.7	31.7	33.3	32.0	31.3	32.0	31.4	30.9	30.4	29.7
Minimum Temperature	22.7	22.9	23.2	23.1	23.7	24.7	23.9	24.9	24.1	23.4	23.2	23.3
Mean Temperature	26.0	26.2	26.5	27.4	28.5	28.4	27.6	28.5	27.7	27.1	26.8	26.5
Laoag City, Ilocos Norte												
Maximum Temperature	30.5	31.3	32.3	33.0	33.0	31.3	31.1	29.5	31.5	31.3	32.0	31.4
Minimum Temperature	20.6	21.9	23.2	24.3	25.1	24.8	24.5	24.4	24.3	22.5	22.9	21.8
Mean Temperature	25.6	26.6	27.8	28.6	29.1	28.0	27.8	27.0	27.9	26.9	27.5	26.6
Legazpi City, Albay												
Maximum Temperature	29.5	29.4	29.9	31.6	32.9	31.5	30.9	31.5	31.2	30.6	30.5	30.3
Minimum Temperature	21.3	20.9	21.1	22.3	24.4	24.6	24.2	24.6	24.2	23.5	23.9	23.6
Mean Temperature	25.4	25.2	25.5	27.0	28.7	28.0	27.6	28.1	27.7	27.1	27.2	26.9
Maasin, Southern Leyte												
Maximum Temperature	30.6	30.1	31.1	33.1	33.3	31.4	30.8	32.5	30.9	31.3	31.3	31.2
Minimum Temperature	21.1	21.0	21.3	22.1	22.0	21.9	21.6	22.0	21.1	21.0	20.8	20.6
Mean Temperature	25.9	25.6	26.2	27.6	27.7	26.5	26.2	27.2	26.0	26.2	26.1	25.9
Mactan International Airport, Cebu												
Maximum Temperature	29.8	29.5	30.5	31.8	32.6	32.8	31.0	32.9	31.2	31.3	31.1	30.5
Minimum Temperature	24.2	24.4	24.7	25.7	25.5	25.2	25.0	25.6	24.7	25.1	25.1	24.8
Mean Temperature	27.0	27.0	27.6	28.7	29.1	29.0	28.0	29.3	28.0	28.2	28.1	27.7
Malaybalay, Bukidnon												
Maximum Temperature	30.0	30.4	30.3	31.1	30.9	28.8	28.5	29.5	28.3	28.8	30.0	30.0
Minimum Temperature	16.6	17.4	17.1	17.6	18.0	17.8	18.0	17.7	17.9	17.8	17.3	17.1
Mean Temperature	23.3	23.9	23.7	24.4	24.4	23.4	23.3	23.6	23.1	23.3	23.7	23.6
Masbate, Masbate												
Maximum Temperature	31.2	31.1	32.0	32.8	33.8	32.5	31.3	32.7	31.7	31.6	32.0	30.9
Minimum Temperature	24.3	24.1	24.5	25.1	25.5	25.3	24.9	25.4	24.7	24.5	24.6	24.2
Mean Temperature	27.8	27.6	28.3	29.0	29.7	28.9	28.1	29.0	28.2	28.1	28.3	27.5
NAIA (MIA), Pasay City												
Maximum Temperature	31.0	31.4	31.9	34.6	34.2	31.7	30.8	29.7	30.8	31.2	32.7	31.8
Minimum Temperature	24.2	23.9	24.4	25.9	26.7	25.6	25.1	24.7	25.2	24.5	24.8	24.7
Mean Temperature	27.6	27.7	28.2	30.2	30.4	28.7	27.9	27.3	28.0	27.9	28.7	28.3
Port Area (MCO), Manila												
Maximum Temperature	30.2	30.7	31.7	34.4	33.7	31.7	31.2	30.2	31.1	31.2	32.0	31.4
Minimum Temperature	25.4	25.3	25.3	26.5	26.7	26.3	25.5	25.0	25.5	25.4	25.6	25.5
Mean Temperature	27.8	28.0	28.5	30.5	30.2	29.0	28.4	27.6	28.3	28.3	28.8	28.5
Puerto Princesa City, Palawan												
Maximum Temperature	31.6	31.2	32.0	32.4	32.5	31.8	31.1	32.4	31.1	31.6	31.9	31.8
Minimum Temperature	24.6	24.5	25.1	25.3	25.1	25.0	24.7	24.8	24.4	24.7	25.1	24.9
Mean Temperature	28.1	27.9	28.6	28.8	28.8	28.4	28.0	28.6	27.8	28.2	28.5	28.3
Romblon, Romblon												
Maximum Temperature	26.9	27.4	28.0	30.0	30.7	29.3	28.7	29.1	29.0	28.5	28.5	27.6
Minimum Temperature	23.7	23.8	24.1	25.0	26.0	25.3	24.7	24.7	24.9	24.5	24.5	24.3
Mean Temperature	25.3	25.6	26.1	27.5	28.3	27.3	26.7	26.9	26.9	26.5	26.5	26.0

Continued

Table 1.1.3 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2012
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	29.5	29.6	30.2	31.7	31.9	31.5	30.6	32.0	31.0	30.8	30.8	30.2
Minimum Temperature	25.5	25.4	25.6	26.5	26.0	25.6	25.5	25.8	25.3	25.6	26.1	25.7
Mean Temperature	27.6	27.6	27.9	29.1	29.0	28.6	28.1	28.9	28.2	28.2	28.5	27.9
San Jose, Occidental Mindoro												
Maximum Temperature	33.0	33.1	33.7	34.5	32.9	30.6	30.3	30.1	30.1	31.7	34.0	33.4
Minimum Temperature	23.6	24.0	24.7	23.9	24.0	23.9	23.9	23.7	23.7	23.3	23.6	23.7
Mean Temperature	28.3	28.6	29.2	29.2	28.5	27.3	27.1	26.9	26.9	27.5	28.9	28.6
Sangley Point, Cavite												
Maximum Temperature	30.8	31.2	31.6	34.5	34.5	32.2	31.7	30.4	31.5	31.7	33.0	32.0
Minimum Temperature	25.3	25.4	25.6	27.0	27.5	26.7	25.9	25.3	25.8	25.6	26.2	25.8
Mean Temperature	28.0	28.3	28.6	30.7	31.0	29.5	28.8	27.9	28.7	28.7	29.6	28.9
Science Garden, Quezon City												
Maximum Temperature	31.1	31.3	31.8	34.8	33.9	32.0	31.4	30.1	31.2	31.7	32.8	31.9
Minimum Temperature	22.2	22.1	22.9	23.9	25.1	25.0	24.3	24.4	24.6	23.3	22.9	22.9
Mean Temperature	26.6	26.7	27.4	29.4	29.5	28.5	27.8	27.3	27.9	27.6	27.9	27.5
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.5	31.5	32.5	32.8	33.1	31.2	30.8	29.4	31.4	31.1	32.1	31.8
Minimum Temperature	21.2	22.1	23.3	24.2	24.6	24.0	23.9	23.5	23.7	22.3	23.0	22.3
Mean Temperature	25.9	26.8	27.9	28.5	28.9	27.6	27.4	26.5	27.6	26.7	27.5	27.0
Surigao, Surigao Del Norte												
Maximum Temperature	30.9	30.2	31.7	32.1	33.7	33.4	32.0	34.2	32.0	31.5	30.7	30.9
Minimum Temperature	23.4	23.3	23.7	24.2	25.1	25.1	24.2	25.3	24.3	24.2	23.3	23.7
Mean Temperature	27.2	26.8	27.7	28.1	29.4	29.3	28.1	29.8	28.2	27.9	27.0	27.3
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	31.9	31.9	32.6	33.1	33.6	33.8	32.4	35.1	32.9	32.8	32.8	32.5
Minimum Temperature	23.6	23.7	23.9	24.3	24.7	24.7	24.6	25.4	24.9	24.4	23.8	24.1
Mean Temperature	27.8	27.8	28.3	28.7	29.2	29.3	28.5	30.3	28.9	28.6	28.3	28.3
Tacloban City, Leyte												
Maximum Temperature	29.8	29.4	30.3	31.2	32.2	32.1	30.9	33.0	31.1	31.3	30.9	30.6
Minimum Temperature	24.3	24.3	24.5	25.2	25.6	25.5	25.3	25.6	25.2	25.1	24.9	24.8
Mean Temperature	27.1	26.9	27.4	28.3	28.9	28.8	28.1	29.3	28.2	28.2	27.9	27.7
Tanay, Rizal												
Maximum Temperature	24.5	24.4	25.1	27.5	28.7	26.6	26.5	24.5	26.1	26.0	25.8	25.2
Minimum Temperature	19.6	19.4	18.8	19.9	20.3	20.0	19.9	19.7	20.5	19.9	20.0	19.4
Mean Temperature	22.0	21.9	22.0	23.7	24.5	23.3	23.3	22.1	23.3	23.0	22.9	22.3
Tayabas, Quezon												
Maximum Temperature	28.4	28.6	29.1	31.7	32.6	32.0	30.5	30.8	30.9	30.2	29.9	29.2
Minimum Temperature	21.9	21.9	22.2	23.1	23.1	22.7	22.6	23.0	22.9	21.9	23.0	21.9
Mean Temperature	25.2	25.3	25.7	27.4	27.9	27.4	26.6	26.9	26.9	26.0	26.5	25.6
Tuguegarao, Cagayan												
Maximum Temperature	29.2	29.6	31.6	34.9	36.1	34.4	33.0	32.9	33.7	30.4	31.9	28.9
Minimum Temperature	18.1	17.2	19.4	22.6	24.2	24.7	24.0	24.2	24.0	21.8	22.7	20.7
Mean Temperature	23.6	23.5	25.5	28.8	30.1	29.5	28.5	28.5	28.9	26.1	27.3	24.8
Virac Synop, Catanduanes												
Maximum Temperature	29.5	29.3	30.0	31.4	32.4	32.2	31.2	32.3	31.7	31.3	30.6	29.9
Minimum Temperature	23.4	23.5	23.9	23.5	24.9	25.1	24.4	25.1	24.7	24.1	23.6	23.7
Mean Temperature	26.4	26.4	26.9	27.4	28.6	28.6	27.8	28.7	28.2	27.7	27.1	26.8
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	32.1	32.6	33.6	32.7	32.9	32.9	31.8	32.8	31.2	32.5	32.6	32.7
Minimum Temperature	24.0	23.7	24.6	25.3	25.1	25.1	24.3	24.8	24.2	24.6	24.6	24.1
Mean Temperature	28.1	28.2	29.1	29.0	29.0	29.0	28.1	28.8	27.7	28.5	28.6	28.4

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.4
TEMPERATURE BY MONITORING STATION
2013
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	28.7	29.5	30.7	33.2	33.3	32.9	31.6	31.3	31.2	30.9	30.1	29.4
Minimum Temperature	23.3	23.7	23.5	24.0	24.7	24.6	24.0	24.2	24.2	23.5	23.8	23.7
Mean Temperature	26.0	26.6	27.1	28.6	29.0	28.7	27.8	27.8	27.7	27.2	26.9	26.6
Ambulong, Batangas												
Maximum Temperature	29.2	30.5	31.9	34.4	33.2	32.4	31.6	30.7	30.1	30.7	30.4	30.4
Minimum Temperature	22.7	23.2	23.4	23.8	24.9	24.8	24.2	24.2	24.1	23.2	24.3	24.0
Mean Temperature	25.9	26.8	27.6	29.1	29.1	28.6	27.9	27.4	27.2	27.0	27.4	27.2
Aparri, Cagayan												
Maximum Temperature	27.3	29.2	30.9	32.4	33.1	34.9	33.8	32.4	31.9	30.9	29.4	27.3
Minimum Temperature	21.5	23.3	23.9	24.8	24.7	26.0	25.6	25.3	25.0	24.4	24.0	22.8
Mean Temperature	24.4	26.2	27.4	28.6	28.9	30.5	29.7	28.8	28.5	27.7	26.7	25.0
Baguio City, Benguet												
Maximum Temperature	23.8	25.5	25.5	26.8	25.1	24.4	24.1	22.3	23.2	22.4	23.3	23.0
Minimum Temperature	12.4	13.9	15.0	16.2	16.4	16.6	15.9	15.7	15.8	14.7	15.0	14.4
Mean Temperature	18.1	19.7	20.3	21.5	20.8	20.5	20.0	19.0	19.5	18.6	19.2	18.7
Baler, Aurora (Radar)												
Maximum Temperature	27.4	28.8	29.0	31.4	31.6	31.5	30.0	30.0	30.9	30.9	28.4	27.6
Minimum Temperature	20.8	21.5	22.0	23.7	24.3	24.2	23.0	23.6	23.4	22.9	22.1	21.4
Mean Temperature	24.1	25.2	25.5	27.5	27.9	27.9	26.5	26.9	27.1	26.9	25.3	24.5
Basco, Batanes (Radar)												
Maximum Temperature	23.8	24.7	26.3	26.8	29.5	30.6	30.0	29.5	...	...	26.3	23.2
Minimum Temperature	16.7	18.3	19.2	19.6	21.6	23.1	22.3	22.0	...	...	20.3	18.2
Mean Temperature	20.3	21.5	22.8	23.2	25.5	26.9	26.1	25.8	...	...	23.3	20.7
Borongan, Eastern Samar												
Maximum Temperature	29.3	30.2	31.0	31.6	32.0	31.8	31.3	31.6	32.3	31.6	30.3	30.5
Minimum Temperature	23.7	24.1	23.9	23.9	24.8	24.6	24.2	24.4	24.6	23.9	24.2	24.1
Mean Temperature	26.5	27.2	27.4	27.8	28.4	28.2	27.8	28.0	28.5	27.8	27.3	27.3
Butuan City, Agusan Del Norte												
Maximum Temperature	29.1	30.8	31.8	32.8	34.6	32.9	32.6	32.6	33.5	32.8	31.3	31.9
Minimum Temperature	23.7	23.2	23.6	24.1	24.7	24.5	23.9	24.0	24.4	23.8	23.4	23.7
Mean Temperature	26.4	27.0	27.7	28.5	29.6	28.7	28.2	28.3	28.9	28.3	27.4	27.8
Cabanatuan, Nueva Ecija												
Maximum Temperature	31.2	32.5	34.2	36.5	35.7	34.5	32.8	30.9	31.4	32.1	32.1	32.0
Minimum Temperature	22.0	22.9	23.4	25.6	25.4	25.3	24.8	24.6	24.5	23.9	23.8	23.7
Mean Temperature	26.6	27.7	28.8	31.0	30.5	29.9	28.8	27.7	28.0	28.0	28.0	27.8
Calapan, Oriental Mindoro												
Maximum Temperature	29.0	29.9	31.2	34.2	34.0	33.2	31.8	31.3	30.7	31.1	31.0	30.2
Minimum Temperature	22.1	22.8	22.7	24.1	23.9	23.6	23.3	23.4	23.3	23.3	23.0	22.9
Mean Temperature	25.6	26.4	27.0	29.2	29.0	28.4	27.6	27.4	27.0	27.2	27.0	26.5
Calayan, Cagayan												
Maximum Temperature	...	...	...	...	...	33.2	31.0	32.4	32.5	30.6	29.4	27.4
Minimum Temperature	...	...	...	...	...	24.1	25.0	23.8	24.6	23.0	22.7	19.9
Mean Temperature	...	...	...	...	...	28.7	28.0	28.1	28.6	26.8	26.1	23.6
Casiguran, Aurora												
Maximum Temperature	27.7	28.9	30.2	32.6	33.8	33.2	31.3	31.4	31.9	31.3	29.0	28.2
Minimum Temperature	20.5	21.8	22.0	23.6	24.5	24.6	23.9	24.4	24.8	23.6	23.5	22.6
Mean Temperature	24.1	25.3	26.1	28.1	29.1	28.9	27.6	27.9	28.4	27.5	26.3	25.4
Catarman, Northern Samar												
Maximum Temperature	29.3	30.3	30.9	32.7	33.2	32.4	31.6	31.9	32.1	31.8	30.8	31.5
Minimum Temperature	22.9	23.4	23.2	23.6	24.3	24.2	23.8	23.9	24.2	24.1	23.7	24.7
Mean Temperature	26.1	26.9	27.1	28.2	28.8	28.3	27.7	27.9	28.2	27.9	27.3	28.1
Catbalogan, Western Samar												
Maximum Temperature	30.0	31.7	32.6	34.6	34.2	33.0	32.3	32.5	32.6	32.4	31.8	31.5
Minimum Temperature	23.7	24.0	24.1	25.4	25.6	25.1	24.9	25.3	25.2	25.0	24.7	24.7
Mean Temperature	26.9	27.8	28.4	30.0	29.9	29.0	28.6	28.9	28.9	28.7	28.2	28.1

Continued

Table 1.1.4 *(Continued)*
TEMPERATURE BY MONITORING STATION
2013
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	30.0	31.3	32.5	34.9	33.4	32.6	31.3	29.6	30.1	30.5	30.6	30.6
Minimum Temperature	20.6	21.3	22.1	23.7	24.1	23.9	23.4	23.2	23.4	22.7	23.0	22.9
Mean Temperature	25.3	26.3	27.3	29.3	28.8	28.3	27.3	26.4	26.7	26.7	26.8	26.8
Coron, Palawan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	22.7	23.4	24.5	25.5	26.0	25.3	25.3	25.4	25.1	24.8	...	25.5
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Cotabato City, Maguindanao												
Maximum Temperature	31.4	32.9	33.6	33.3	32.9	32.1	31.8	31.6	32.4	31.6	32.4	33.1
Minimum Temperature	23.0	23.5	23.8	24.0	23.5	23.1	23.0	22.9	23.3	22.7	23.0	23.4
Mean Temperature	27.2	28.2	28.7	28.7	28.3	27.6	27.4	27.3	27.9	27.2	27.7	28.2
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	31.5	32.9	34.4	35.3	34.5	33.4	33.0	30.9	30.8	31.8	32.5	32.4
Minimum Temperature	23.0	23.4	24.7	26.4	26.3	25.4	24.8	24.6	24.5	24.0	24.5	23.8
Mean Temperature	27.2	28.2	29.6	30.9	30.4	29.4	28.9	27.8	27.6	27.9	28.5	28.1
Cuyo, Palawan												
Maximum Temperature	30.5	30.8	31.7	32.9	31.9	31.0	31.3	30.7	31.5	31.8	31.7	31.6
Minimum Temperature	25.6	25.6	25.9	25.9	25.7	25.3	25.4	25.3	25.2	25.8	25.8	25.9
Mean Temperature	28.1	28.2	28.8	29.4	28.8	28.2	28.3	28.0	28.3	28.8	28.7	28.8
Daet, Camarines Norte												
Maximum Temperature	28.5	29.6	30.8	33.0	33.8	32.9	31.4	31.4	31.5	30.3	29.8	29.0
Minimum Temperature	23.7	24.1	23.6	23.7	24.5	23.5	23.7	24.8	24.7	24.0	24.6	24.2
Mean Temperature	26.1	26.9	27.2	28.4	29.2	28.2	27.6	28.1	28.1	27.2	27.2	26.6
Dagupan City, Pangasinan												
Maximum Temperature	31.0	32.2	33.9	35.5	34.7	34.2	32.8	30.9	32.1	31.6	32.6	31.6
Minimum Temperature	21.4	21.6	23.2	25.4	25.1	24.8	24.4	24.1	24.3	24.3	23.6	23.0
Mean Temperature	26.2	26.9	28.5	30.4	29.9	29.5	28.6	27.5	28.2	28.0	28.1	27.3
Davao City, Davao Del Sur												
Maximum Temperature	30.1	31.5	32.8	32.8	32.9	32.2	32.0	31.4	33.0	33.3	31.6	32.4
Minimum Temperature	23.9	24.2	24.6	24.9	25.3	24.7	24.2	24.3	24.7	24.3	24.1	24.3
Mean Temperature	27.1	27.8	28.7	28.9	29.1	28.4	28.2	27.8	28.9	28.9	27.9	28.4
Dipolog, Zamboanga Del Norte												
Maximum Temperature	29.6	30.6	31.5	32.2	32.1	31.6	31.2	31.4	32.6	31.8	31.1	31.7
Minimum Temperature	23.8	24.1	24.4	24.5	24.5	24.2	24.0	24.0	24.2	23.8	23.9	24.0
Mean Temperature	26.7	27.4	27.9	28.4	28.3	27.9	27.6	27.7	28.4	27.8	27.6	27.9
Dumaguete City, Negros Oriental												
Maximum Temperature	29.6	30.2	31.7	32.3	33.0	32.1	31.7	31.7	32.2	31.7	31.0	31.6
Minimum Temperature	24.8	24.9	25.2	25.6	25.7	24.9	24.5	24.7	24.8	24.2	25.1	25.5
Mean Temperature	27.2	27.6	28.5	29.0	29.4	28.5	28.1	28.2	28.5	27.9	28.1	28.5
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	29.4	31.2	32.1	33.4	33.3	32.1	31.7	31.9	33.1	...	31.2	...
Minimum Temperature	22.8	21.8	22.8	23.4	23.5	23.3	22.8	22.6	22.6	...	23.7	...
Mean Temperature	26.1	26.5	27.5	28.4	28.4	27.7	27.2	27.3	27.9	...	27.4	...
General Santos, South Cotabato												
Maximum Temperature	30.8	32.5	34.4	34.4	34.0	32.0	31.4	31.0	32.4	31.7	31.7	32.4
Minimum Temperature	22.6	22.7	23.2	23.5	23.8	23.1	22.5	22.0	22.6	22.5	22.4	22.8
Mean Temperature	26.7	27.6	28.8	29.0	28.9	27.5	27.0	26.5	27.5	27.1	27.1	27.6
Guiuan, Eastern Samar												
Maximum Temperature	28.7	28.8	29.7	30.8	31.9	30.9	30.6	31.1	31.6	31.4	29.9	29.9
Minimum Temperature	22.5	22.6	24.6	26.2	26.5	25.1	24.5	25.1	25.3	25.0	25.9	25.0
Mean Temperature	25.6	25.7	27.2	28.5	29.2	28.0	27.6	28.1	28.4	28.2	27.9	27.5
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.1	29.9	30.2	31.1	32.5	32.2	32.1	32.2	33.6	33.2	30.2	30.1
Minimum Temperature	23.6	23.9	23.9	24.0	24.7	24.4	23.8	24.1	24.5	24.0	23.9	23.9
Mean Temperature	26.4	26.9	27.0	27.6	28.6	28.3	28.0	28.2	29.0	28.6	27.1	27.1

Continued

Table 1.1.4 *(Continued)*
TEMPERATURE BY MONITORING STATION
2013
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	32.0	31.7	32.6	34.3	34.3	32.9	32.3	30.9	30.8	31.2	32.5	31.9
Minimum Temperature	23.2	23.7	24.6	25.7	25.9	25.5	25.2	25.0	24.8	23.6	24.7	24.0
Mean Temperature	27.6	27.7	28.6	30.0	30.1	29.2	28.7	27.9	27.8	27.4	28.6	27.9
Infanta, Quezon												
Maximum Temperature	28.4	29.7	30.7	33.4	34.1	34.1	32.4	...	31.1	30.6	29.4	28.2
Minimum Temperature	22.2	22.9	22.8	24.0	24.4	24.5	23.8	...	24.4	23.7	24.1	23.4
Mean Temperature	25.3	26.3	26.8	28.7	29.2	29.4	28.1	...	27.7	27.2	26.8	25.8
Itbayat, Batanes												
Maximum Temperature	23.9	25.4	27.1	27.7	30.0	32.6	31.4	31.0	30.4	29.4	27.2	24.1
Minimum Temperature	18.1	20.3	21.1	22.0	24.3	25.9	25.2	25.2	24.6	22.0	21.4	18.6
Mean Temperature	21.0	22.9	24.1	24.8	27.2	29.3	28.3	28.2	27.6	25.7	24.3	21.4
Juban, Sorsogon												
Maximum Temperature	28.4	29.3	30.4	32.4	33.4	31.9	31.3	31.1	31.4	30.8	29.9	29.6
Minimum Temperature	22.7	23.1	22.8	23.1	23.9	24.1	23.8	24.3	24.3	23.4	23.2	23.4
Mean Temperature	25.5	26.2	26.6	27.7	28.7	28.0	27.6	27.7	27.8	27.1	26.6	26.5
Laoag City, Ilocos Norte												
Maximum Temperature	30.1	31.5	32.3	32.7	33.1	33.0	32.2	30.9	31.6	31.0	31.2	30.0
Minimum Temperature	19.9	21.5	23.1	24.3	24.7	25.2	24.7	24.4	24.3	23.4	23.2	22.2
Mean Temperature	25.0	26.6	27.7	28.5	28.9	29.1	28.5	27.7	27.9	27.2	27.2	26.1
Legazpi City, Albay												
Maximum Temperature	28.9	29.9	30.6	32.6	33.6	33.1	32.4	31.6	31.4	31.3	30.3	29.8
Minimum Temperature	23.2	23.7	23.7	24.5	25.2	24.5	24.2	24.3	24.6	23.8	24.2	24.1
Mean Temperature	26.0	26.8	27.2	28.5	29.4	28.8	28.3	28.0	28.0	27.6	27.3	27.0
Maasin, Southern Leyte												
Maximum Temperature	29.4	30.5	31.9	33.5	33.7	31.2	31.3	30.6	31.2	30.6	30.8	31.1
Minimum Temperature	19.8	20.9	23.1	24.6	24.9	24.3	23.5	23.5	24.0	23.5	23.6	24.1
Mean Temperature	24.6	25.7	27.5	29.0	29.4	27.7	27.4	27.1	27.6	27.0	27.2	27.6
Mactan International Airport, Cebu												
Maximum Temperature	29.8	30.1	31.8	32.8	32.8	31.9	31.4	31.4	32.6	31.9	30.6	31.0
Minimum Temperature	24.5	24.5	25.3	26.3	26.2	25.5	25.2	25.1	25.7	25.0	25.2	25.4
Mean Temperature	27.2	27.3	28.6	29.6	29.5	28.7	28.3	28.2	29.2	28.5	27.9	28.2
Malaybalay, Bukidnon												
Maximum Temperature	28.7	29.7	31.0	31.6	31.8	29.6	29.7	29.2	30.3	29.2	29.6	31.1
Minimum Temperature	17.6	17.1	17.4	17.7	18.6	18.5	18.1	18.3	18.5	18.6	18.0	18.1
Mean Temperature	23.2	23.4	24.2	24.7	25.2	24.1	23.9	23.7	24.4	23.9	23.8	24.6
Masbate, Masbate												
Maximum Temperature	29.9	30.6	31.4	33.4	33.4	31.8	31.6	31.7	32.1	31.5	31.8	31.2
Minimum Temperature	23.5	23.7	24.1	25.6	26.0	25.3	25.0	24.9	25.1	24.6	24.7	24.7
Mean Temperature	26.7	27.1	27.8	29.5	29.7	28.6	28.3	28.3	28.6	28.0	28.3	27.9
NAIA (MIA), Pasay City												
Maximum Temperature	30.1	31.9	32.8	35.5	34.6	33.6	32.3	30.8	30.5	30.5	31.5	31.4
Minimum Temperature	23.4	24.0	24.7	26.5	26.9	26.0	25.4	25.0	24.9	24.9	24.9	24.7
Mean Temperature	26.8	28.0	28.7	31.0	30.8	29.8	28.9	27.9	27.7	27.7	28.2	28.0
Port Area (MCO), Manila												
Maximum Temperature	29.3	31.4	32.2	34.5	33.9	33.2	32.4	30.7	30.8	31.0	31.2	31.1
Minimum Temperature	23.9	24.8	24.9	26.9	27.0	26.3	25.5	25.4	24.9	25.1	25.0	24.7
Mean Temperature	26.6	28.1	28.5	30.7	30.5	29.8	29.0	28.0	27.9	28.0	28.1	27.9
Puerto Princesa City, Palawan												
Maximum Temperature	30.9	31.4	32.7	33.3	33.1	31.9	31.5	31.4	32.2	31.6	31.2	31.7
Minimum Temperature	24.6	25.0	24.9	26.0	26.0	25.2	24.5	24.6	25.0	24.5	24.7	25.0
Mean Temperature	27.8	28.2	28.8	29.7	29.6	28.6	28.0	28.0	28.6	28.0	28.0	28.4
Romblon, Romblon												
Maximum Temperature	26.1	26.9	28.6	30.9	30.8	29.7	29.2	28.8	29.2	29.1	28.4	27.7
Minimum Temperature	23.0	23.3	24.1	25.5	25.9	25.1	24.6	24.7	24.5	24.5	24.4	24.1
Mean Temperature	24.6	25.1	26.3	28.2	28.3	27.4	26.9	26.8	26.9	26.8	26.4	25.9

Continued

Table 1.1.4 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2013
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	28.7	29.5	30.6	32.1	32.6	31.3	30.7	30.7	31.3	31.2	30.5	30.6
Minimum Temperature	25.4	25.6	25.9	26.3	26.3	25.7	25.5	25.5	25.3	25.3	26.0	25.9
Mean Temperature	27.1	27.5	28.3	29.2	29.4	28.5	28.1	28.1	28.4	28.3	28.3	28.3
San Jose, Occidental Mindoro												
Maximum Temperature	32.3	33.4	34.2	35.1	33.7	31.6	31.0	30.3	30.4	31.0	32.8	33.2
Minimum Temperature	22.9	23.7	23.7	24.3	24.6	23.9	24.0	24.0	23.7	23.2	23.9	24.1
Mean Temperature	27.6	28.6	29.0	29.7	29.2	27.8	27.5	27.2	27.1	27.1	28.4	28.7
Sangley Point, Cavite												
Maximum Temperature	30.2	32.0	33.0	35.3	35.0	34.1	32.7	31.0	30.5	31.2	31.4	31.3
Minimum Temperature	24.2	25.0	26.1	27.7	28.0	27.1	25.9	25.5	25.5	25.7	25.9	25.4
Mean Temperature	27.2	28.5	29.5	31.6	31.6	30.6	29.3	28.3	28.0	28.5	28.7	28.4
Science Garden, Quezon City												
Maximum Temperature	30.3	32.0	32.7	35.1	34.4	33.3	32.4	30.7	30.9	31.1	31.4	31.0
Minimum Temperature	21.6	22.3	22.9	24.6	25.2	25.0	24.5	24.4	24.4	23.4	23.3	22.9
Mean Temperature	26.0	27.2	27.8	29.9	29.8	29.2	28.5	27.6	27.7	27.2	27.4	27.0
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.4	31.4	32.0	32.8	33.1	32.8	31.7	30.4	31.1	30.9	31.1	29.9
Minimum Temperature	20.6	22.2	23.3	24.4	24.7	24.7	24.1	23.7	23.8	22.3	22.7	21.7
Mean Temperature	25.5	26.8	27.7	28.6	28.9	28.8	27.9	27.1	27.4	26.6	26.9	25.8
Surigao, Surigao Del Norte												
Maximum Temperature	29.3	30.8	31.6	32.6	33.5	32.1	31.9	31.7	32.9	31.8	30.9	30.8
Minimum Temperature	22.7	23.2	23.6	24.0	24.5	23.9	23.4	23.3	24.1	23.4	23.1	23.6
Mean Temperature	26.0	27.0	27.6	28.4	29.0	28.0	27.7	27.5	28.5	27.6	27.0	27.2
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	31.0	32.0	33.3	...	33.0	31.8	31.1	30.8	31.7	31.7	31.0	31.2
Minimum Temperature	23.7	23.6	24.0	...	25.0	24.9	24.5	24.3	25.0	24.5	23.9	23.8
Mean Temperature	27.4	27.8	28.6	...	29.0	28.4	27.8	27.5	28.3	28.1	27.5	27.5
Tacloban City, Leyte												
Maximum Temperature	29.1	30.2	31.1	31.9	32.5	31.8	31.7	31.9	32.3	31.6	...	...
Minimum Temperature	24.3	24.5	24.3	25.2	26.2	25.0	24.6	25.1	25.3	24.8	...	...
Mean Temperature	26.7	27.4	27.7	28.6	29.4	28.4	28.2	28.5	28.8	28.2	...	...
Tanay, Rizal												
Maximum Temperature	23.7	24.8	26.3	29.2	29.9	28.2	26.7	25.8	25.7	25.8	25.0	25.0
Minimum Temperature	18.1	18.5	19.6	21.0	21.3	21.1	20.5	20.2	20.1	19.5	19.5	19.4
Mean Temperature	21.0	21.7	22.9	25.1	25.6	24.7	23.6	23.0	22.9	22.7	22.2	22.2
Tayabas, Quezon												
Maximum Temperature	27.6	28.5	30.3	33.3	33.4	31.8	30.9	30.7	30.7	30.1	29.2	28.9
Minimum Temperature	20.3	21.1	21.7	23.4	23.6	23.3	22.8	22.6	22.6	21.4	21.7	21.4
Mean Temperature	24.0	24.8	26.0	28.4	28.5	27.6	26.9	26.6	26.7	25.8	25.5	25.2
Tuguegarao, Cagayan												
Maximum Temperature	27.8	31.0	33.0	35.1	35.0	35.9	33.5	33.5	32.2	30.9	28.7	27.3
Minimum Temperature	19.0	20.1	21.7	23.9	23.8	24.9	23.4	23.6	23.4	21.4	20.9	20.1
Mean Temperature	23.4	25.6	27.3	29.5	29.4	30.4	28.5	28.6	27.9	26.2	24.9	23.7
Virac Synop, Catanduanes												
Maximum Temperature	29.0	29.6	30.3	31.5	32.3	31.9	31.1	31.6	32.0	31.3	30.3	29.7
Minimum Temperature	23.1	23.5	23.3	24.0	24.7	25.0	24.6	24.8	24.9	24.0	24.1	23.9
Mean Temperature	26.0	26.6	26.8	27.8	28.5	28.5	27.9	28.2	28.4	27.7	27.2	26.8
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	31.4	33.1	33.6	33.0	33.1	32.6	32.2	32.6	33.3	31.8	32.6	32.5
Minimum Temperature	24.3	24.2	24.0	24.3	24.5	24.8	24.3	24.5	25.0	24.0	24.2	24.4
Mean Temperature	27.9	28.7	28.8	28.7	28.8	28.7	28.2	28.6	29.2	27.9	28.4	28.4

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.5
TEMPERATURE BY MONITORING STATION
2014
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	27.8	28.8	29.7	31.6	33.9	33.5	32.3	32.1	31.2	30.6	29.9	28.1
Minimum Temperature	22.1	22.0	23.1	24.5	25.1	24.7	24.7	24.1	24.0	24.1	24.0	23.3
Mean Temperature	24.9	25.4	26.4	28.1	29.5	29.1	28.5	28.1	27.6	27.4	26.9	25.7
Ambulong, Batangas												
Maximum Temperature	28.3	30.7	32.2	34.1	34.9	33.1	31.2	31.9	31.4	31.4	31.3	29.3
Minimum Temperature	21.0	20.6	22.2	22.8	24.7	24.8	24.2	23.9	23.6	23.5	23.2	23.6
Mean Temperature	24.6	25.6	27.2	28.4	29.8	29.0	27.7	27.9	27.5	27.4	27.3	26.5
Aparri, Cagayan												
Maximum Temperature	25.7	27.3	29.6	32.5	34.6	33.4	31.9	31.8	32.5	31.6	30.3	26.8
Minimum Temperature	20.5	22.0	22.9	24.8	25.5	25.2	24.9	24.7	24.9	24.8	24.2	22.4
Mean Temperature	23.1	24.6	26.3	28.6	30.0	29.3	28.4	28.3	28.7	28.2	27.3	24.6
Baguio City, Benguet												
Maximum Temperature	21.0	22.4	24.1	24.4	25.0	23.5	22.8	22.6	23.3	23.6	24.1	23.3
Minimum Temperature	10.6	12.5	13.9	15.9	16.6	16.5	16.1	16.0	16.1	15.8	15.1	14.6
Mean Temperature	15.8	17.4	19.0	20.1	20.8	20.0	19.5	19.3	19.7	19.7	19.6	19.0
Baler, Aurora (Radar)												
Maximum Temperature	26.9	28.5	28.7	30.8	32.7	34.2	32.7	32.6	31.8	30.9	30.1	27.2
Minimum Temperature	19.2	20.3	21.3	22.8	24.7	25.7	24.6	24.2	24.2	23.8	23.1	22.4
Mean Temperature	23.1	24.4	25.0	26.8	28.7	29.9	28.6	28.4	28.0	27.3	26.6	24.8
Basco, Batanes (Radar)												
Maximum Temperature	23.6	23.7	25.0	27.6	30.7	30.2	29.9	29.1	30.0	27.7	26.3	23.1
Minimum Temperature	16.6	18.1	19.3	22.4	25.3	25.9	25.6	25.5	24.4	22.7	21.5	18.3
Mean Temperature	20.1	20.9	22.2	25.0	28.0	28.0	27.7	27.3	27.2	25.2	23.9	20.7
Borongan, Eastern Samar												
Maximum Temperature	27.8	29.9	30.0	30.7	32.2	31.8	31.0	31.5	30.7	31.3	30.3	29.5
Minimum Temperature	22.5	22.2	23.3	23.7	24.5	24.4	24.3	23.5	23.5	24.1	23.6	24.1
Mean Temperature	25.2	26.0	26.7	27.2	28.4	28.1	27.6	27.5	27.1	27.7	27.0	26.8
Butuan City, Agusan Del Norte												
Maximum Temperature	27.5	30.3	31.2	32.1	34.6	33.7	32.8	33.0	31.6	32.2	31.8	31.0
Minimum Temperature	22.4	22.4	23.0	24.2	24.9	25.0	24.6	24.0	24.3	24.6	24.2	23.8
Mean Temperature	24.9	26.4	27.1	28.1	29.8	29.4	28.7	28.5	27.9	28.4	28.0	27.4
Cabanatuan, Nueva Ecija												
Maximum Temperature	30.3	31.7	33.3	36.0	37.5	34.2	32.1	31.9	31.8	32.7	33.4	31.7
Minimum Temperature	20.7	21.7	22.9	24.8	25.6	25.6	25.1	24.8	24.3	23.9	23.5	23.3
Mean Temperature	25.5	26.7	28.1	30.4	31.6	29.9	28.6	28.4	28.1	28.3	28.4	27.5
Calapan, Oriental Mindoro												
Maximum Temperature	28.7	30.0	31.4	33.7	34.6	32.8	31.7	32.3	31.7	31.2	31.0	29.3
Minimum Temperature	21.0	22.0	23.0	24.1	24.5	24.2	23.8	23.8	23.6	23.4	23.2	22.9
Mean Temperature	24.8	26.0	27.2	28.9	29.5	28.5	27.7	28.1	27.6	27.3	27.1	26.1
Calayan, Cagayan												
Maximum Temperature	27.7	28.9	29.7	31.7	...	33.5	32.9	31.4	32.6	32.3	30.9	26.3
Minimum Temperature	18.7	19.7	21.0	24.0	...	25.3	24.6	24.6	24.7	24.9	23.6	19.5
Mean Temperature	23.2	24.3	25.4	27.9	...	29.4	28.8	28.0	28.7	28.6	27.3	22.9
Casiguran, Aurora												
Maximum Temperature	26.7	28.5	29.5	31.8	35.0	34.7	33.4	32.8	32.3	31.2	30.2	28.3
Minimum Temperature	20.0	20.7	21.3	23.1	24.5	25.7	25.1	24.2	24.2	23.1	22.3	21.7
Mean Temperature	23.4	24.6	25.4	27.5	29.7	30.2	29.3	28.5	28.3	27.1	26.3	25.0
Catarman, Northern Samar												
Maximum Temperature	27.7	30.0	30.6	30.7	33.2	33.4	31.4	32.1	31.3	30.4	30.5	29.1
Minimum Temperature	22.4	22.6	23.4	24.2	24.3	24.3	23.8	23.9	23.3	23.2	23.4	23.3
Mean Temperature	25.1	26.3	27.0	27.5	28.7	28.9	27.6	28.0	27.3	26.8	26.9	26.2
Catbalogan, Western Samar												
Maximum Temperature	28.6	31.4	32.0	32.2	34.8	34.4	32.5	33.5	32.3	32.6	32.2	31.1
Minimum Temperature	22.7	22.6	23.8	24.4	25.8	25.9	25.6	25.3	25.2	24.8	24.1	24.5
Mean Temperature	25.6	27.0	27.9	28.3	30.3	30.2	29.0	29.4	28.7	28.7	28.2	27.8

Continued

Table 1.1.5 *(Continued)*
TEMPERATURE BY MONITORING STATION
2014
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	28.4	30.6	31.7	34.0	34.9	31.3	30.4	30.9	30.8	31.0	31.0	29.5
Minimum Temperature	19.2	20.8	22.9	24.4	25.3	24.6	24.0	23.8	24.0	24.1	24.0	23.2
Mean Temperature	23.8	25.7	27.3	29.2	30.1	27.9	27.2	27.3	27.4	27.5	27.5	26.4
Coron, Palawan												
Maximum Temperature	...	...	...	...	...	...	31.4	30.0	30.4	31.9	34.3	33.1
Minimum Temperature	23.9	...	...	...	...	...	23.9	24.0	23.5	23.6	24.1	24.3
Mean Temperature	...	...	...	...	...	...	27.7	27.0	27.0	27.8	29.2	28.7
Cotabato City, Maguindanao												
Maximum Temperature	31.3	32.7	33.5	33.6	33.9	32.7	31.8	32.4	31.6	32.2	33.1	32.7
Minimum Temperature	22.4	23.0	23.5	23.7	23.5	23.4	23.0	22.9	22.8	23.0	23.4	23.4
Mean Temperature	26.8	27.8	28.5	28.6	28.7	28.0	27.4	27.7	27.2	27.6	28.2	28.1
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	30.6	32.1	33.7	34.6	35.9	31.9	31.3	31.3	31.6	32.5	32.6	31.2
Minimum Temperature	21.0	22.0	23.3	25.1	26.1	25.0	24.2	24.4	24.4	24.1	24.1	23.4
Mean Temperature	25.8	27.1	28.5	29.8	31.0	28.4	27.8	27.9	28.0	28.3	28.3	27.3
Cuyo, Palawan												
Maximum Temperature	29.6	30.7	31.3	32.2	32.7	31.6	30.8	31.7	31.2	31.9	32.0	31.2
Minimum Temperature	25.4	25.8	25.9	26.1	25.9	25.3	25.1	25.5	25.5	25.4	25.6	25.4
Mean Temperature	27.5	28.2	28.6	29.1	29.3	28.4	27.9	28.6	28.3	28.7	28.8	28.3
Daet, Camarines Norte												
Maximum Temperature	27.5	28.7	29.5	31.0	33.9	34.0	31.8	32.3	30.8	30.4	29.8	28.8
Minimum Temperature	22.3	22.0	23.4	25.1	25.7	25.6	25.3	24.6	23.6	24.2	24.6	24.0
Mean Temperature	24.9	25.4	26.5	28.1	29.8	29.8	28.5	28.5	27.2	27.3	27.2	26.4
Dagupan City, Pangasinan												
Maximum Temperature	30.1	31.5	33.1	34.6	35.2	32.3	31.7	31.3	31.6	32.6	32.7	31.2
Minimum Temperature	19.8	20.9	22.1	24.7	25.3	24.9	24.8	24.6	24.3	24.5	23.6	23.0
Mean Temperature	25.0	26.2	27.6	29.7	30.2	28.6	28.3	28.0	28.0	28.6	28.2	27.1
Davao City, Davao Del Sur												
Maximum Temperature	29.7	31.7	32.1	33.5	33.5	32.9	32.3	32.7	32.1	32.9	32.6	32.1
Minimum Temperature	23.3	24.0	24.6	25.2	25.6	25.4	25.6	24.8	24.7	25.3	25.0	24.7
Mean Temperature	26.5	27.8	28.3	29.3	29.5	29.1	28.9	28.8	28.4	29.1	28.8	28.4
Dipolog, Zamboanga Del Norte												
Maximum Temperature	28.8	30.3	31.5	32.2	32.7	33.0	32.2	33.0	32.6	32.4	31.6	31.1
Minimum Temperature	23.3	23.2	23.7	23.8	24.0	24.0	23.9	24.1	24.4	24.0	24.1	24.4
Mean Temperature	26.1	26.8	27.6	28.1	28.4	28.5	28.1	28.6	28.6	28.2	27.9	27.8
Dumaguete City, Negros Oriental												
Maximum Temperature	28.9	30.0	30.5	31.7	32.6	32.9	31.7	32.7	31.5	31.4	31.4	30.6
Minimum Temperature	23.7	23.7	24.8	25.2	25.9	25.1	24.6	24.4	24.0	24.3	25.2	25.2
Mean Temperature	26.3	26.9	27.7	28.5	29.3	29.0	28.2	28.6	27.8	27.9	28.3	27.9
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	29.0	30.1	30.5	31.4	32.5	32.8	32.5	32.4	32.0	32.3	31.6	31.2
Minimum Temperature	22.2	22.5	22.9	23.7	24.0	23.8	22.7	22.5	21.4	23.9	23.7	23.6
Mean Temperature	25.6	26.3	26.7	27.6	28.3	28.3	27.6	27.5	26.7	28.1	27.6	27.4
General Santos, South Cotabato												
Maximum Temperature	31.0	32.2	33.4	34.4	34.4	32.7	31.9	32.3	32.3	33.4	33.2	33.4
Minimum Temperature	22.1	22.2	22.9	23.4	23.3	23.2	22.8	22.6	22.3	22.9	22.6	23.0
Mean Temperature	26.6	27.2	28.2	28.9	28.9	28.0	27.3	27.5	27.3	28.1	27.9	28.2
Guiuan, Eastern Samar												
Maximum Temperature	27.5	29.0	27.5	29.8	31.6	31.9	30.4	31.4	30.4	30.9	30.4	28.8
Minimum Temperature	22.7	23.0	22.8	23.6	25.5	25.1	24.3	24.2	23.9	24.2	23.9	23.6
Mean Temperature	25.1	26.0	25.1	26.7	28.5	28.5	27.4	27.8	27.1	27.5	27.1	26.2
Hinatuan, Surigao Del Sur												
Maximum Temperature	28.0	29.3	29.7	31.5	32.0	33.2	32.7	33.2	32.3	32.5	30.8	30.5
Minimum Temperature	22.8	22.5	23.4	24.2	24.8	24.7	24.6	24.0	24.2	24.4	23.8	24.0
Mean Temperature	25.4	25.9	26.5	27.9	28.4	29.0	28.7	28.6	28.3	28.5	27.3	27.2

Continued

Table 1.1.5 *(Continued)*
TEMPERATURE BY MONITORING STATION
2014
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	30.7	30.6	31.9	33.3	34.8	32.2	30.8	30.7	30.7	31.5	31.9	31.1
Minimum Temperature	21.7	21.9	23.3	25.5	26.5	25.2	24.9	24.7	24.5	24.5	24.0	23.3
Mean Temperature	26.2	26.3	27.6	29.4	30.7	28.7	27.9	27.7	27.6	28.1	27.9	27.2
Infanta, Quezon												
Maximum Temperature	27.0	27.8	29.0	31.0	32.6	33.9	32.8	32.1	31.6	30.4	29.5	28.0
Minimum Temperature	21.8	21.7	23.1	24.4	25.0	25.3	24.9	24.6	23.9	24.0	24.1	23.3
Mean Temperature	24.4	24.8	26.1	27.7	28.8	29.6	28.9	28.4	27.8	27.2	26.8	25.7
Itbayat, Batanes												
Maximum Temperature	23.6	24.2	25.4	28.3	31.4	31.5	31.5	30.6	30.6	28.7	27.0	23.5
Minimum Temperature	16.2	18.0	18.8	21.9	24.4	25.0	25.3	25.1	24.6	22.9	21.7	18.1
Mean Temperature	19.9	21.1	22.1	25.1	27.9	28.2	28.4	27.8	27.6	25.8	24.4	20.8
Juban, Sorsogon												
Maximum Temperature	27.0	29.0	29.7	30.6	33.5	32.9	30.8	31.9	30.7	30.4	29.8	28.4
Minimum Temperature	21.6	20.2	22.5	23.1	23.9	24.7	24.6	24.2	24.0	23.9	23.2	23.7
Mean Temperature	24.3	24.6	26.1	26.8	28.7	28.8	27.7	28.0	27.4	27.1	26.5	26.1
Laoag City, Ilocos Norte												
Maximum Temperature	28.8	29.1	31.2	32.2	33.5	31.8	31.2	30.5	31.2	31.7	32.1	30.7
Minimum Temperature	17.8	19.6	21.6	23.5	25.3	25.2	25.3	24.4	24.4	23.2	22.4	22.3
Mean Temperature	23.3	24.4	26.4	27.9	29.4	28.5	28.3	27.5	27.8	27.5	27.3	26.5
Legazpi City, Albay												
Maximum Temperature	27.7	29.7	30.1	31.3	33.5	33.6	31.1	32.3	30.8	30.7	30.8	28.7
Minimum Temperature	22.4	22.2	23.8	24.8	26.5	26.2	25.6	25.5	25.0	24.8	24.8	24.7
Mean Temperature	25.1	26.0	26.9	28.1	30.0	29.9	28.4	28.9	27.9	27.7	27.8	26.7
Maasin, Southern Leyte												
Maximum Temperature	28.0	29.9	30.6	31.7	33.9	32.4	30.7	31.5	30.7	31.0	30.7	29.3
Minimum Temperature	22.2	22.0	22.8	23.9	25.1	24.8	24.8	24.3	23.8	24.0	24.2	23.7
Mean Temperature	25.1	26.0	26.7	27.8	29.5	28.6	27.7	27.9	27.3	27.5	27.4	26.5
Mactan International Airport, Cebu												
Maximum Temperature	28.5	29.8	30.4	31.5	33.0	33.2	31.2	32.5	...	31.2	31.3	30.1
Minimum Temperature	23.0	23.4	24.3	25.4	26.5	25.9	25.3	25.1	...	24.9	25.3	24.7
Mean Temperature	25.7	26.6	27.4	28.4	29.8	29.6	28.3	28.8	...	28.1	28.3	27.4
Malaybalay, Bukidnon												
Maximum Temperature	27.4	29.9	30.4	31.2	31.8	30.2	28.5	30.3	29.0	29.5	30.7	30.0
Minimum Temperature	17.9	17.3	18.4	19.0	20.0	19.8	19.3	18.5	18.8	19.0	18.2	18.7
Mean Temperature	22.6	23.6	24.4	25.1	25.9	25.0	23.9	24.4	23.9	24.2	24.4	24.3
Masbate, Masbate												
Maximum Temperature	28.6	30.4	31.5	31.7	34.0	33.4	31.5	32.6	31.6	31.6	31.9	30.0
Minimum Temperature	23.1	23.1	23.8	24.7	26.1	25.9	25.0	25.2	25.0	24.9	24.7	23.5
Mean Temperature	25.8	26.8	27.7	28.2	30.1	29.7	28.3	28.9	28.3	28.2	28.4	26.8
NAIA (MIA), Pasay City												
Maximum Temperature	29.6	31.3	32.7	35.0	36.3	32.6	31.0	31.2	31.0	31.8	31.9	30.1
Minimum Temperature	22.3	22.9	24.2	26.4	27.3	26.4	25.3	25.5	25.3	25.0	24.9	24.3
Mean Temperature	26.0	27.1	28.4	30.7	31.8	29.5	28.2	28.3	28.1	28.4	28.4	27.2
Port Area (MCO), Manila												
Maximum Temperature	29.2	30.4	32.0	34.2	35.4	32.6	31.4	31.5	31.4	31.9	31.7	30.3
Minimum Temperature	22.1	22.8	24.4	26.0	26.5	25.9	24.8	24.8	25.1	24.6	24.5	23.8
Mean Temperature	25.6	26.6	28.2	30.1	31.0	29.3	28.1	28.2	28.2	28.2	28.1	27.0
Puerto Princesa City, Palawan												
Maximum Temperature	30.5	30.6	31.8	33.0	33.3	32.0	30.9	31.6	30.7	31.5	31.7	31.1
Minimum Temperature	23.7	22.8	24.2	25.2	26.2	25.3	24.7	24.8	24.3	24.5	25.2	25.0
Mean Temperature	27.1	26.7	28.0	29.1	29.8	28.7	27.8	28.2	27.5	28.1	28.5	28.1
Romblon, Romblon												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...

Continued

Table 1.1.5 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2014
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	27.8	29.1	30.0	31.0	33.0	32.6	31.1	31.6	30.9	31.2	31.5	29.4
Minimum Temperature	24.7	24.6	25.4	26.1	26.9	25.9	25.5	25.5	25.3	25.5	26.1	25.5
Mean Temperature	26.3	26.9	27.8	28.6	30.0	29.2	28.3	28.6	28.1	28.4	28.8	27.4
San Jose, Occidental Mindoro												
Maximum Temperature	31.8	32.4	34.1	33.4	35.0	32.2	30.2	31.4	30.3	31.8	33.5	32.0
Minimum Temperature	22.1	21.7	23.4	23.8	24.8	24.5	24.2	23.6	23.5	23.5	23.4	23.5
Mean Temperature	27.0	27.1	28.8	28.6	29.9	28.3	27.2	27.5	26.9	27.7	28.5	27.7
Sangley Point, Cavite												
Maximum Temperature	29.5	31.3	32.4	34.7	36.0	32.9	31.7	32.0	31.7	32.0	31.9	30.1
Minimum Temperature	23.4	24.1	25.4	26.8	28.3	27.0	25.8	26.5	26.3	26.2	25.9	25.2
Mean Temperature	26.4	27.7	28.9	30.7	32.2	29.9	28.7	29.3	29.0	29.1	28.9	27.7
Science Garden, Quezon City												
Maximum Temperature	29.5	30.8	32.5	34.2	35.4	33.0	31.4	31.4	31.5	31.9	31.8	30.1
Minimum Temperature	19.8	20.7	22.1	24.0	25.2	25.7	24.8	24.2	24.2	23.6	23.1	22.9
Mean Temperature	24.6	25.8	27.4	29.1	30.3	29.3	28.1	27.8	27.9	27.8	27.5	26.5
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	28.3	29.3	31.3	32.3	33.8	32.2	31.4	30.6	31.2	31.8	31.9	31.1
Minimum Temperature	18.6	20.1	21.9	23.8	25.2	24.8	24.5	24.1	23.8	22.9	22.6	22.5
Mean Temperature	23.5	24.7	26.6	28.1	29.5	28.6	27.9	27.4	27.5	27.4	27.3	26.8
Surigao, Surigao Del Norte												
Maximum Temperature	27.5	29.6	30.7	31.6	33.5	33.9	32.3	33.6	32.1	32.4	31.6	30.1
Minimum Temperature	21.9	21.9	22.9	23.9	24.6	24.7	24.0	24.3	23.6	23.6	23.1	22.5
Mean Temperature	24.7	25.7	26.8	27.8	29.1	29.3	28.2	29.0	27.9	28.0	27.3	26.3
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	28.9	30.0	30.8	32.0	33.3	32.7	31.6	25.9	31.4	32.1	32.1	31.1
Minimum Temperature	22.9	22.2	23.0	23.8	25.0	25.2	25.0	24.5	24.4	24.3	24.1	23.8
Mean Temperature	25.9	26.1	26.9	27.9	29.2	28.9	28.3	25.2	27.9	28.2	28.1	27.4
Tacloban City, Leyte												
Maximum Temperature	...	...	...	...	...	...	31.7	32.4	31.5	31.9	31.5	30.1
Minimum Temperature	...	...	...	...	...	...	24.9	24.6	24.7	24.6	24.4	24.2
Mean Temperature	...	...	...	...	...	...	28.3	28.5	28.1	28.2	27.9	27.1
Tanay, Rizal												
Maximum Temperature	23.1	25.2	25.9	29.1	31.4	28.7	26.3	26.7	26.7	26.3	26.0	23.6
Minimum Temperature	17.0	17.9	18.6	20.2	21.5	20.7	20.3	20.2	20.2	20.1	19.9	19.7
Mean Temperature	20.0	21.5	22.2	24.6	26.5	24.7	23.3	23.5	23.4	23.2	23.0	21.7
Tayabas, Quezon												
Maximum Temperature	26.9	28.6	29.5	32.0	33.7	32.5	30.8	31.6	29.8	29.5	29.0	26.9
Minimum Temperature	18.3	18.8	22.5	23.1	24.5	23.6	23.2	23.0	22.7	23.3	23.0	22.0
Mean Temperature	22.6	23.7	26.0	27.6	29.1	28.1	27.0	27.3	26.2	26.4	26.0	24.4
Tuguegarao, Cagayan												
Maximum Temperature	26.5	30.0	32.3	35.1	37.3	36.6	34.0	33.8	33.2	30.9	30.5	27.2
Minimum Temperature	17.6	19.4	21.3	23.4	24.9	25.0	24.9	24.5	24.2	22.8	22.0	21.1
Mean Temperature	22.1	24.7	26.8	29.2	31.2	30.8	29.5	29.2	28.7	26.9	26.2	24.1
Virac Synop, Catanduanes												
Maximum Temperature	27.8	29.4	30.3	30.7	32.7	33.3	31.2	32.5	31.7	31.1	30.4	29.7
Minimum Temperature	22.0	21.5	22.4	23.1	24.5	25.0	24.7	24.1	24.0	23.7	23.4	23.2
Mean Temperature	24.9	25.4	26.4	26.9	28.6	29.2	28.0	28.3	27.9	27.4	26.9	26.4
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	31.3	32.5	33.3	33.5	34.1	33.8	33.5	33.0	32.5	33.0	34.2	34.1
Minimum Temperature	23.2	23.1	24.1	24.4	25.0	24.9	24.8	24.5	23.9	24.2	24.2	24.1
Mean Temperature	27.2	27.8	28.7	29.0	29.5	29.4	29.1	28.8	28.3	28.7	29.2	29.2

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.6
TEMPERATURE BY MONITORING STATION
2015
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	27.8	28.4	29.9	31.3	33.8	33.2	32.2	32.5	32.5	31.9	30.6	29.8
Minimum Temperature	22.3	22.2	22.7	24.0	24.4	24.7	24.5	24.3	24.2	24.3	24.4	23.7
Mean Temperature	25.1	25.3	26.3	27.6	29.1	28.9	28.4	28.4	28.4	28.1	27.5	26.8
Ambulong, Batangas												
Maximum Temperature	28.8	30.4	31.7	34.0	34.5	33.9	32.0	32.8	32.6	31.6	31.5	30.4
Minimum Temperature	21.7	21.1	21.5	23.4	24.3	24.8	24.1	23.9	24.1	23.5	24.2	23.0
Mean Temperature	25.3	25.7	26.6	28.7	29.4	29.3	28.1	28.4	28.4	27.6	27.8	26.7
Aparri, Cagayan												
Maximum Temperature	26.9	27.4	31.2	...	32.2	34.3	30.9	31.6	31.9	29.8	29.2	27.1
Minimum Temperature	21.4	21.4	23.6	...	25.1	26.3	26.0	25.9	25.8	25.1	24.6	23.2
Mean Temperature	24.2	24.4	27.4	...	28.7	30.3	28.6	28.8	28.7	27.4	26.9	25.2
Baguio City, Benguet												
Maximum Temperature	21.8	22.1	23.8	24.4	24.5	24.6	21.0	22.6	23.7	23.0	24.3	23.4
Minimum Temperature	12.1	13.0	14.2	15.7	16.7	17.0	15.9	16.0	16.4	15.5	15.3	15.0
Mean Temperature	17.0	17.6	19.0	20.0	20.6	20.8	18.5	19.3	20.0	19.3	19.8	19.2
Baler, Aurora (Radar)												
Maximum Temperature	27.2	27.3	29.3	30.6	32.8	32.7	31.6	33.8	33.5	31.7	31.8	29.8
Minimum Temperature	20.8	20.7	21.5	23.2	24.7	25.1	24.4	25.0	24.4	23.9	23.5	22.3
Mean Temperature	24.0	24.0	25.4	26.9	28.8	28.9	28.0	29.4	28.9	27.8	27.7	26.0
Basco, Batanes (Radar)												
Maximum Temperature	22.4	23.7	25.8	27.4	29.4	31.2	29.9	30.1	29.4	27.4	27.2	25.6
Minimum Temperature	17.2	19.0	20.9	22.9	24.0	25.3	24.3	24.7	24.3	23.2	22.4	20.3
Mean Temperature	19.8	21.3	23.3	25.1	26.7	28.2	27.1	27.4	26.9	25.3	24.8	23.0
Borongan, Eastern Samar												
Maximum Temperature	28.7	28.8	29.8	30.9	31.0	30.9	32.1	32.0	31.3	31.6	30.4	29.7
Minimum Temperature	23.4	22.8	22.8	24.0	24.1	24.4	24.3	24.7	24.3	24.1	24.4	24.2
Mean Temperature	26.1	25.8	26.3	27.4	27.5	27.7	28.2	28.3	27.8	27.8	27.4	26.9
Butuan City, Agusan Del Norte												
Maximum Temperature	29.9	30.6	31.8	33.2	34.3	32.5	33.5	33.4	32.8	33.4	32.1	31.8
Minimum Temperature	23.2	22.8	22.7	24.0	25.0	24.7	24.7	24.9	24.7	24.5	24.0	23.7
Mean Temperature	26.6	26.7	27.2	28.6	29.7	28.6	29.1	29.1	28.7	29.0	28.0	27.7
Cabanatuan, Nueva Ecija												
Maximum Temperature	31.0	31.3	33.2	35.4	36.4	36.0	31.7	32.5	33.5	32.3	33.7	31.8
Minimum Temperature	21.2	21.1	21.7	23.8	25.0	25.0	24.2	24.6	24.5	24.2	23.3	22.9
Mean Temperature	26.1	26.2	27.4	29.6	30.7	30.5	27.9	28.5	29.0	28.2	28.5	27.3
Calapan, Oriental Mindoro												
Maximum Temperature	29.4	30.7	31.2	32.5	34.2	33.2	32.0	31.8	32.5	31.8	31.7	30.4
Minimum Temperature	22.0	22.3	22.8	23.7	24.7	24.5	24.4	24.1	24.5	24.3	24.0	23.3
Mean Temperature	25.7	26.4	26.9	28.1	29.5	28.8	28.2	28.0	28.3	28.1	27.7	26.7
Calayan, Cagayan												
Maximum Temperature	25.3	26.6	29.0	31.2	31.8	33.9	32.4	31.9	31.6	31.2	31.5	29.6
Minimum Temperature	18.1	19.1	21.3	21.2	24.4	25.6	25.2	25.0	25.1	24.4	24.2	21.7
Mean Temperature	21.7	22.9	25.1	26.3	28.1	29.8	28.9	28.5	28.1	27.7	27.9	25.5
Casiguran, Aurora												
Maximum Temperature	27.3	26.9	29.0	30.7	32.9	34.2	32.3	33.2	33.1	31.1	30.1	28.6
Minimum Temperature	19.6	19.6	20.3	22.5	24.1	24.7	24.7	24.6	24.1	23.8	22.7	21.9
Mean Temperature	23.6	23.2	24.6	26.6	28.5	29.4	28.3	28.9	28.6	27.2	26.4	25.2
Catarman, Northern Samar												
Maximum Temperature	28.4	29.1	30.0	30.8	32.0	31.8	32.3	32.7	32.0	31.4	30.8	30.3
Minimum Temperature	23.0	22.4	22.9	23.1	23.2	23.9	24.2	24.4	24.3	24.0	23.9	23.6
Mean Temperature	25.7	25.8	26.4	26.9	27.6	27.9	28.2	28.5	28.1	27.7	27.4	27.0
Catbalogan, Western Samar												
Maximum Temperature	30.5	31.2	32.4	33.4	34.6	33.3	33.2	33.9	33.5	33.5	33.2	32.1
Minimum Temperature	23.6	23.2	23.0	24.1	25.3	25.3	25.8	26.0	25.4	25.4	24.5	24.2
Mean Temperature	27.1	27.2	27.7	28.8	30.0	29.3	29.5	29.9	29.4	29.4	28.9	28.1

Continued

Table 1.1.6 *(Continued)*
TEMPERATURE BY MONITORING STATION
2015
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	28.4	29.2	31.5	33.4	33.6	33.4	30.2	31.2	32.4	31.6	32.0	30.4
Minimum Temperature	21.4	21.8	22.7	24.5	25.0	25.1	23.9	24.2	24.4	24.4	24.4	23.4
Mean Temperature	24.9	25.5	27.1	29.0	29.3	29.2	27.1	27.7	28.4	28.0	28.2	26.9
Coron, Palawan												
Maximum Temperature	32.4	32.0	32.3	33.7	34.5	33.2	31.5	31.5	31.9	32.5	34.4	33.9
Minimum Temperature	22.6	22.6	22.9	24.0	24.8	24.3	24.5	24.1	24.1	24.3	25.1	24.0
Mean Temperature	27.5	27.3	27.6	28.9	29.7	28.9	28.0	27.8	28.0	28.4	29.7	28.9
Cotabato City, Maguindanao												
Maximum Temperature	32.2	33.3	34.2	34.1	33.7	32.3	32.0	32.1	31.8	32.7	33.5	33.5
Minimum Temperature	22.9	23.6	23.4	23.7	23.3	22.9	23.0	23.0	23.0	23.2	23.4	23.4
Mean Temperature	27.5	28.4	28.8	28.9	28.5	27.6	27.5	27.6	27.4	27.9	28.4	28.5
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	30.4	31.8	33.4	35.1	34.0	34.4	31.6	31.7	32.3	32.2	33.3	31.6
Minimum Temperature	21.6	21.3	22.4	24.6	25.2	25.3	24.5	24.5	24.6	24.2	24.0	22.9
Mean Temperature	26.0	26.5	27.9	29.9	29.6	29.8	28.0	28.1	28.5	28.2	28.6	27.3
Cuyo, Palawan												
Maximum Temperature	30.0	31.3	...	33.2	32.4	32.0	32.1	31.9	31.6	31.9	...	...
Minimum Temperature	25.4	25.5	...	26.1	25.9	25.6	25.7	25.6	25.6	25.7	...	...
Mean Temperature	27.7	28.4	...	29.6	29.2	28.8	28.9	28.8	28.6	28.8	...	...
Daet, Camarines Norte												
Maximum Temperature	28.2	28.3	29.9	31.0	32.5	32.6	31.7	32.1	32.0	31.0	30.9	...
Minimum Temperature	22.4	21.7	22.9	23.5	23.3	24.1	23.7	23.9	23.0	24.4	24.9	...
Mean Temperature	25.3	25.0	26.4	27.3	27.9	28.4	27.7	28.0	27.5	27.7	27.9	...
Dagupan City, Pangasinan												
Maximum Temperature	30.4	31.2	33.2	34.4	...	35.3	30.3	31.9	32.9	31.0	33.0	31.6
Minimum Temperature	20.1	21.7	22.4	24.6	...	25.4	24.3	25.3	25.1	24.5	24.0	23.2
Mean Temperature	25.2	26.5	27.8	29.5	...	30.3	27.3	28.6	29.0	27.8	28.5	27.4
Davao City, Davao Del Sur												
Maximum Temperature	31.3	32.0	32.9	34.2	33.5	32.4	32.3	32.2	32.9	32.8	32.8	33.1
Minimum Temperature	24.2	24.1	24.3	25.3	25.9	25.2	25.4	25.4	25.4	25.1	25.1	24.9
Mean Temperature	27.7	28.0	28.6	29.7	29.7	28.8	28.9	28.8	29.1	29.0	28.9	29.0
Dipolog, Zamboanga Del Norte												
Maximum Temperature	29.9	30.4	32.0	26.3	34.0	32.6	33.0	33.1	32.6	33.2	32.0	31.7
Minimum Temperature	23.5	24.0	23.7	24.3	24.7	24.4	23.9	24.1	23.6	23.9	23.7	23.7
Mean Temperature	26.7	27.2	27.9	25.3	29.3	28.5	28.4	28.6	28.1	28.6	27.9	27.7
Dumaguete City, Negros Oriental												
Maximum Temperature	29.5	30.2	31.3	32.0	33.0	31.8	32.1	32.0	32.1	32.1	31.7	31.0
Minimum Temperature	24.2	24.1	24.2	25.3	25.7	25.4	24.4	24.7	24.8	25.0	26.1	25.5
Mean Temperature	26.9	27.2	27.7	28.7	29.4	28.6	28.2	28.3	28.4	28.5	28.9	28.2
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	29.7	30.3	31.0	31.7	32.8	32.2	33.1	33.1	32.5	32.4	32.2	31.4
Minimum Temperature	23.5	21.4	21.9	21.9	22.6	23.5	23.2	23.3	22.7	22.9	23.6	23.4
Mean Temperature	26.6	25.8	26.4	26.8	27.7	27.8	28.2	28.2	27.6	27.6	27.9	27.4
General Santos, South Cotabato												
Maximum Temperature	33.0	34.5	35.7	36.0	34.9	32.3	32.2	31.7	32.2	33.4	34.1	35.1
Minimum Temperature	22.4	22.5	23.1	23.7	23.6	23.1	22.8	22.7	22.8	22.7	23.2	23.3
Mean Temperature	27.7	28.5	29.4	29.8	29.2	27.7	27.5	27.2	27.5	28.1	28.6	29.2
Guiuan, Eastern Samar												
Maximum Temperature	28.0	29.0	30.3	32.1	34.6	32.3	31.8	32.8	31.8	32.0	30.1	29.2
Minimum Temperature	23.0	23.1	23.8	24.8	25.9	24.7	25.2	25.7	24.7	25.0	24.3	23.5
Mean Temperature	25.5	26.0	27.1	28.4	30.2	28.5	28.5	29.3	28.3	28.5	27.2	26.4
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.8	29.6	29.7	30.9	...	31.5	33.5	...	32.7	32.7	29.9	30.0
Minimum Temperature	23.2	22.9	22.8	23.6	...	24.3	24.4	...	24.1	24.4	24.2	23.7
Mean Temperature	26.5	26.2	26.3	27.2	...	27.9	29.0	...	28.4	28.6	27.0	26.9

Continued

Table 1.1.6 *(Continued)*
TEMPERATURE BY MONITORING STATION
2015
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	30.1	30.1	31.4	33.4	33.5	33.3	30.4	31.2	31.9	31.3	33.1	31.4
Minimum Temperature	20.9	20.5	22.3	24.9	25.4	25.3	24.3	24.4	24.8	23.4	23.7	22.6
Mean Temperature	25.5	25.3	26.8	29.2	29.4	29.3	27.4	27.8	28.3	27.4	28.4	27.0
Infanta, Quezon												
Maximum Temperature	27.1	27.6	29.1	24.7	32.7	32.8	32.5	32.2	32.0	31.5	30.7	29.4
Minimum Temperature	22.1	22.2	22.9	24.7	24.6	24.9	24.7	25.0	24.3	24.3	24.7	24.0
Mean Temperature	24.6	24.9	26.0	24.7	28.7	28.8	28.6	28.6	28.2	27.9	27.7	26.7
Itbayat, Batanes												
Maximum Temperature	23.1	24.3	26.3	28.0	30.2	32.7	31.0	30.8	30.4	28.3	28.1	26.1
Minimum Temperature	17.3	18.2	19.6	22.1	23.9	25.4	24.6	25.0	24.2	22.9	22.8	20.9
Mean Temperature	20.2	21.2	22.9	25.1	27.0	29.0	27.8	27.9	27.3	25.6	25.4	23.5
Juban, Sorsogon												
Maximum Temperature	27.8	28.3	29.2	30.2	31.9	31.8	31.2	31.6	31.9	30.9	30.2	29.1
Minimum Temperature	22.4	21.7	21.8	23.0	23.1	24.2	24.6	24.4	24.2	24.1	23.6	22.7
Mean Temperature	25.1	25.0	25.5	26.6	27.5	28.0	27.9	28.0	28.0	27.5	26.9	25.9
Laoag City, Ilocos Norte												
Maximum Temperature	29.0	29.4	30.8	32.2	32.4	33.2	30.1	31.3	31.6	...	32.1	30.3
Minimum Temperature	19.1	20.4	21.3	23.5	24.6	25.1	24.0	24.4	24.4	...	22.2	21.7
Mean Temperature	24.1	24.9	26.1	27.8	28.5	29.1	27.0	27.8	28.0	...	27.2	26.0
Legazpi City, Albay												
Maximum Temperature	28.5	28.8	29.9	31.4	32.4	32.4	31.3	31.9	32.4	31.3	30.9	30.0
Minimum Temperature	23.5	23.3	24.0	25.1	25.8	25.9	25.6	25.5	25.3	25.2	25.3	24.8
Mean Temperature	26.0	26.1	27.0	28.2	29.1	29.1	28.5	28.7	28.8	28.3	28.1	27.4
Maasin, Southern Leyte												
Maximum Temperature	28.3	29.5	31.2	32.6	32.9	30.9	30.4	30.2	30.2	30.8	30.5	30.1
Minimum Temperature	23.0	23.1	23.4	24.8	25.5	25.2	25.0	25.3	24.6	25.0	24.5	24.0
Mean Temperature	25.7	26.3	27.3	28.7	29.2	28.1	27.7	27.7	27.4	27.9	27.5	27.0
Mactan International Airport, Cebu												
Maximum Temperature	29.5	29.9	31.2	32.4	33.4	32.4	31.7	31.7	31.4	31.9	31.7	30.9
Minimum Temperature	23.9	23.7	24.1	25.7	26.3	25.5	25.0	25.1	24.9	25.1	25.3	25.0
Mean Temperature	26.7	26.8	27.7	29.0	29.8	28.9	28.3	28.4	28.2	28.5	28.5	28.0
Malaybalay, Bukidnon												
Maximum Temperature	29.5	30.0	31.7	32.6	...	29.5	29.1	29.3	28.9	29.9	30.2	30.8
Minimum Temperature	18.1	16.9	16.4	18.0	...	19.5	19.2	18.7	19.5	19.9	19.4	18.1
Mean Temperature	23.8	23.5	24.1	25.3	...	24.5	24.2	24.0	24.2	24.9	24.8	24.5
Masbate, Masbate												
Maximum Temperature	29.7	30.9	31.9	32.6	33.7	33.6	32.1	32.4	32.7	32.4	32.6	31.0
Minimum Temperature	22.3	22.3	22.9	24.3	25.2	25.3	24.6	24.5	24.6	24.7	24.1	23.3
Mean Temperature	26.0	26.6	27.4	28.4	29.4	29.4	28.3	28.5	28.7	28.5	28.3	27.1
NAIA (MIA), Pasay City												
Maximum Temperature	29.6	30.7	32.3	34.6	35.1	34.6	31.8	31.8	26.4	31.8	33.2	31.5
Minimum Temperature	22.3	22.7	23.5	26.7	27.0	26.7	25.7	25.6	25.3	25.6	25.4	24.2
Mean Temperature	26.0	26.7	27.9	30.7	31.1	30.7	28.7	28.7	25.9	28.7	29.3	27.8
Port Area (MCO), Manila												
Maximum Temperature	29.1	30.3	31.8	34.0	34.5	34.3	31.7	32.4	32.9	32.1	33.3	31.5
Minimum Temperature	21.8	22.5	23.9	25.7	26.6	26.1	25.5	25.8	25.3	25.7	25.4	24.1
Mean Temperature	25.5	26.4	27.8	29.8	30.5	30.2	28.6	29.1	29.1	28.9	29.3	27.8
Puerto Princesa City, Palawan												
Maximum Temperature	30.1	30.8	31.8	33.0	33.3	32.7	31.1	31.4	31.5	32.2	31.8	31.8
Minimum Temperature	24.2	23.5	23.8	25.3	25.7	25.8	24.8	25.1	24.7	25.3	25.6	25.4
Mean Temperature	27.2	27.1	27.8	29.2	29.5	29.3	28.0	28.2	28.1	28.7	28.7	28.6
Romblon, Romblon												
Maximum Temperature	25.8	27.0	28.4	30.1	31.8	31.6	29.6	30.0	30.5	29.6	29.3	28.1
Minimum Temperature	22.5	22.6	23.2	24.8	26.0	25.7	25.1	25.0	25.3	25.5	25.0	24.1
Mean Temperature	24.2	24.8	25.8	27.4	28.9	28.7	27.4	27.5	27.9	27.5	27.2	26.1

Continued

Table 1.1.6 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2015
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	28.5	29.4	30.2	31.3	33.1	32.3	31.8	31.6	32.0	...	31.6	30.5
Minimum Temperature	24.8	24.8	25.1	26.2	26.5	26.1	25.5	25.5	25.5	...	26.1	25.8
Mean Temperature	26.6	27.1	27.6	28.8	29.8	29.2	28.6	28.5	28.7	...	28.9	28.2
San Jose, Occidental Mindoro												
Maximum Temperature	31.7	32.5	33.5	34.6	34.3	33.3	31.3	31.1	31.4	31.8	34.6	32.8
Minimum Temperature	20.9	22.2	23.2	24.4	24.6	24.6	24.5	24.0	27.6	27.8	24.8	23.6
Mean Temperature	26.3	27.3	28.3	29.5	29.5	28.9	27.9	27.5	29.5	29.8	29.7	28.2
Sangley Point, Cavite												
Maximum Temperature	29.5	30.7	32.0	34.4	35.2	34.7	32.3	32.6	32.9	32.1	32.6	31.0
Minimum Temperature	23.6	24.1	25.2	26.8	31.5	27.7	26.7	26.7	26.6	26.7	26.5	25.3
Mean Temperature	26.6	27.4	28.6	30.6	33.4	31.2	29.5	29.7	29.7	29.4	29.6	28.1
Science Garden, Quezon City												
Maximum Temperature	29.4	31.0	32.2	34.3	34.6	34.3	31.8	32.2	32.5	32.0	32.9	31.2
Minimum Temperature	20.5	20.6	21.8	24.4	25.4	25.1	24.5	24.8	24.6	24.4	23.7	22.6
Mean Temperature	25.0	25.8	27.0	29.4	30.0	29.7	28.1	28.5	28.6	28.2	28.4	27.0
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	29.6	29.5	31.0	32.4	33.4	34.1	30.6	31.5	31.8	30.6	32.0	30.6
Minimum Temperature	20.2	21.0	22.4	24.1	25.1	25.7	23.9	24.5	24.4	23.3	22.8	22.2
Mean Temperature	24.9	25.3	26.7	28.3	29.3	29.9	27.2	28.0	28.1	27.0	27.4	26.4
Surigao, Surigao Del Norte												
Maximum Temperature	29.5	30.6	31.8	32.4	33.4	32.2	34.1	34.2	33.2	32.9	31.0	31.1
Minimum Temperature	21.8	21.6	21.8	22.8	23.6	23.0	23.8	23.6	23.0	24.3	23.9	23.2
Mean Temperature	25.7	26.1	26.8	27.6	28.5	27.6	28.9	28.9	28.1	28.6	27.5	27.2
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	29.9	31.3	31.2	32.1	33.0	31.7	31.5	31.5	31.3	31.2	31.4	31.0
Minimum Temperature	26.3	21.8	22.1	23.8	24.9	25.0	24.9	24.9	24.5	24.5	24.1	24.0
Mean Temperature	28.1	26.5	26.6	27.9	29.0	28.3	28.2	28.2	27.9	27.8	27.8	27.5
Tacloban City, Leyte												
Maximum Temperature	29.3	30.1	31.2	31.8	32.6	31.5	...	32.3	32.1	32.2	31.2	30.0
Minimum Temperature	23.5	22.9	23.0	24.5	25.6	25.3	...	25.2	25.1	25.3	24.5	24.4
Mean Temperature	26.4	26.5	27.1	28.2	29.1	28.4	...	28.7	28.6	28.7	27.9	27.2
Tanay, Rizal												
Maximum Temperature	22.9	24.4	25.8	28.4	30.9	29.8	27.1	27.2	27.9	26.4	26.1	24.7
Minimum Temperature	17.6	17.9	18.7	20.3	21.6	21.4	19.7	20.4	21.1	20.9	20.4	19.9
Mean Temperature	20.2	21.2	22.3	24.4	26.2	25.6	23.4	23.8	24.5	23.6	23.3	22.3
Tayabas, Quezon												
Maximum Temperature	26.6	27.7	29.1	31.1	33.3	33.0	31.6	31.9	32.4	31.4	30.0	28.7
Minimum Temperature	20.6	20.8	21.8	22.9	23.5	23.9	23.5	23.4	23.2	22.8	23.2	22.5
Mean Temperature	23.6	24.2	25.5	27.0	28.4	28.5	27.6	27.7	27.8	27.1	26.6	25.6
Tuguegarao, Cagayan												
Maximum Temperature	27.1	28.6	32.7	34.3	35.7	37.0	32.7	33.3	33.9	30.9	31.0	28.4
Minimum Temperature	18.8	19.6	20.2	22.8	24.2	25.1	24.4	24.3	24.2	23.4	22.2	21.6
Mean Temperature	23.0	24.1	26.5	28.6	29.9	31.1	28.5	28.8	29.1	27.1	26.6	25.0
Virac Synop, Catanduanes												
Maximum Temperature	28.7	28.7	30.0	30.8	31.7	32.4	32.1	32.7	...	32.1	30.9	29.9
Minimum Temperature	22.0	21.5	22.0	23.2	23.6	24.5	24.6	24.9	...	24.4	24.0	23.3
Mean Temperature	25.4	25.1	26.0	27.0	27.7	28.5	28.4	28.8	...	28.3	27.5	26.6
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	33.4	33.5	34.5	34.3	34.2	33.0	...	32.9	32.9	33.1	33.4	33.7
Minimum Temperature	23.7	23.2	22.8	23.8	23.8	24.1	...	24.5	23.9	23.9	24.1	23.6
Mean Temperature	28.6	28.4	28.6	29.1	29.0	28.5	...	28.7	28.4	28.5	28.8	28.7

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.7
TEMPERATURE BY MONITORING STATION
2016
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	29.5	28.8	30.4	32.6	33.4	33.3	32.8	32.7	32.6	31.3	29.9	29.4
Minimum Temperature	23.0	22.5	23.0	24.3	24.9	24.6	24.4	25.3	24.5	24.3	23.9	23.7
Mean Temperature	26.2	25.7	26.7	28.5	29.2	29.0	28.6	29.0	28.5	27.8	26.9	26.6
Ambulong, Batangas												
Maximum Temperature	31.0	30.7	33.5	35.8	35.9	34.5	33.7	31.8	32.6	32.0	31.5	31.0
Minimum Temperature	22.4	22.5	22.1	24.2	25.0	24.6	24.2	25.0	24.1	23.8	23.5	23.8
Mean Temperature	26.7	26.6	27.8	30.0	30.4	29.5	28.9	28.4	28.4	27.9	27.5	27.4
Aparri, Cagayan												
Maximum Temperature	27.3	25.8	...	...	33.1	33.4	33.0	31.9	31.6	30.5	28.3	26.6
Minimum Temperature	22.3	21.6	...	...	26.0	26.4	26.3	26.2	25.7	25.8	24.4	24.1
Mean Temperature	24.8	23.7	...	...	29.6	29.9	29.6	29.0	28.6	28.1	26.3	25.3
Baguio City, Benguet												
Maximum Temperature	23.2	22.8	24.0	26.2	25.0	24.6	23.8	21.3	23.0	23.1	...	23.8
Minimum Temperature	14.0	13.6	14.9	16.3	17.0	16.6	16.2	16.1	16.0	15.8	...	14.8
Mean Temperature	18.6	18.2	19.4	21.3	21.0	20.6	20.0	18.7	19.5	19.5	...	19.3
Baler, Aurora (Radar)												
Maximum Temperature	30.1	29.4	30.6	32.1	31.8	32.3	32.1	31.9	32.6	31.3	30.3	28.6
Minimum Temperature	22.2	21.6	22.7	24.0	24.4	24.8	24.9	25.0	25.0	23.8	23.2	22.6
Mean Temperature	26.2	25.5	26.6	28.1	28.1	28.6	28.5	28.5	28.8	27.6	26.7	25.6
Basco, Batanes (Radar)												
Maximum Temperature	25.0	23.6	24.7	29.4	30.5	30.7	30.7	29.8	29.3	28.8	27.0	25.0
Minimum Temperature	19.1	17.9	19.8	24.4	25.2	25.5	25.6	25.3	24.7	24.3	21.9	20.5
Mean Temperature	22.1	20.7	22.2	26.9	27.8	28.1	28.1	27.6	27.0	26.6	24.5	22.8
Borongan, Eastern Samar												
Maximum Temperature	29.5	29.0	30.1	31.6	31.5	31.5	31.4	32.6	32.0	31.2	30.0	29.7
Minimum Temperature	23.3	23.1	22.8	24.4	24.6	24.4	24.2	24.6	24.3	24.2	23.2	24.0
Mean Temperature	26.4	26.0	26.5	28.0	28.1	28.0	27.8	28.6	28.2	27.7	26.6	26.9
Butuan City, Agusan Del Norte												
Maximum Temperature	32.4	31.8	33.6	35.0	34.8	34.0	33.2	34.0	33.0	32.6	30.8	31.5
Minimum Temperature	23.1	22.9	23.7	24.9	25.2	24.9	24.6	25.1	24.4	24.6	23.9	24.1
Mean Temperature	27.7	27.4	28.7	30.0	30.0	29.4	28.9	29.5	28.7	28.6	27.3	27.8
Cabanatuan, Nueva Ecija												
Maximum Temperature	31.9	31.9	33.7	36.4	35.7	34.1	33.5	31.4	32.5	32.4	32.5	32.2
Minimum Temperature	22.6	22.2	23.5	24.7	25.3	25.1	24.6	24.5	24.4	24.2	23.4	23.6
Mean Temperature	27.4	27.0	28.6	30.6	30.5	29.5	28.9	28.0	28.2	28.3	27.9	28.0
Calapan, Oriental Mindoro												
Maximum Temperature	30.2	29.5	31.7	33.4	33.7	32.5	31.7	31.4	31.9	31.1	...	29.7
Minimum Temperature	23.1	22.8	23.9	24.7	24.7	24.0	24.0	23.9	23.9	23.7	...	23.2
Mean Temperature	26.6	26.2	27.7	28.9	29.2	28.2	27.9	27.6	27.9	27.4	...	26.4
Calayan, Cagayan												
Maximum Temperature	29.1	28.7	29.4	33.0	33.8	33.9	33.5	32.2	31.7	31.4	30.0	28.6
Minimum Temperature	21.2	19.0	21.1	23.1	24.1	24.4	24.5	24.6	24.5	24.0	23.0	22.1
Mean Temperature	25.2	23.8	25.2	28.1	29.0	29.2	29.0	28.3	28.0	27.7	26.5	25.4
Casiguran, Aurora												
Maximum Temperature	28.7	27.9	29.2	32.2	33.2	33.3	33.1	32.5	32.9	31.4	30.4	28.9
Minimum Temperature	21.6	21.0	22.2	23.3	24.6	25.3	24.7	25.2	24.6	23.9	22.9	22.7
Mean Temperature	25.1	24.5	25.7	27.7	28.9	29.3	28.9	28.6	28.8	27.7	26.7	25.7
Catarman, Northern Samar												
Maximum Temperature	29.4	28.8	30.2	32.4	33.5	33.3	31.6	32.8	32.7	31.2	...	30.0
Minimum Temperature	22.5	22.8	22.0	23.3	24.5	29.0	23.6	25.1	24.3	24.0	...	23.2
Mean Temperature	25.9	25.8	26.1	27.9	29.0	31.1	27.6	29.0	28.5	27.6	...	26.6
Catbalogan, Western Samar												
Maximum Temperature	31.9	31.9	33.8	35.1	35.0	33.9	33.0	33.8	33.6	32.4	31.5	31.7
Minimum Temperature	23.3	23.3	24.0	25.5	26.3	25.8	25.1	27.0	26.0	25.4	24.0	24.6
Mean Temperature	27.6	27.6	28.9	30.3	30.7	29.9	29.1	30.4	29.8	28.9	27.8	28.2

Continued

Table 1.1.7 *(Continued)*
TEMPERATURE BY MONITORING STATION
2016
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	...	30.7	32.8	35.2	34.2	33.0	32.4	30.4	31.4	31.4	31.2	31.1
Minimum Temperature	...	22.8	24.4	25.6	25.9	25.7	25.1	24.8	24.6	24.6	24.1	24.3
Mean Temperature	...	26.7	28.6	30.4	30.1	29.4	28.7	27.6	28.0	28.0	27.7	27.7
Coron, Palawan												
Maximum Temperature	33.6	33.0	33.8	34.6	34.8	33.2	32.0	30.9	31.7	31.6	32.5	32.8
Minimum Temperature	24.1	23.5	24.2	25.3	25.7	24.7	24.2	24.5	24.1	24.2	24.0	24.3
Mean Temperature	28.9	28.3	29.0	29.9	30.3	28.9	28.1	27.7	27.9	27.9	28.3	28.6
Cotabato City, Maguindanao												
Maximum Temperature	34.3	34.4	35.3	35.4	34.2	32.9	33.4	33.3	33.3	33.1	33.2	33.3
Minimum Temperature	23.8	23.8	24.3	24.2	23.6	23.2	23.2	22.7	22.8	23.1	23.1	23.1
Mean Temperature	29.0	29.1	29.8	29.8	28.9	28.0	28.3	28.0	28.0	28.1	28.2	28.2
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	31.5	32.2	33.4	35.9	35.2	33.3	32.5	30.3	31.1	31.9	32.5	32.1
Minimum Temperature	23.1	23.2	24.3	25.7	25.6	25.1	24.1	24.6	24.1	24.4	23.9	23.7
Mean Temperature	27.3	27.7	28.9	30.8	30.4	29.2	28.3	27.5	27.6	28.1	28.2	27.9
Cuyo, Palawan												
Maximum Temperature	32.1	31.6	32.7	33.6	33.5	32.5	31.9	31.7	32.1	31.9	32.0	32.3
Minimum Temperature	25.6	25.7	26.1	26.2	26.2	25.6	25.6	25.1	25.7	25.4	25.9	25.9
Mean Temperature	28.9	28.7	29.4	29.9	29.8	29.1	28.7	28.4	28.9	28.6	29.0	29.1
Daet, Camarines Norte												
Maximum Temperature	29.2	28.8	30.2	32.3	33.5	...	32.1	...	32.9	30.9	30.0	29.3
Minimum Temperature	23.0	21.6	22.6	24.7	24.6	...	23.5	...	23.5	23.0	23.7	22.9
Mean Temperature	26.1	25.2	26.4	28.5	29.0	...	27.8	...	28.2	27.0	26.9	26.1
Dagupan City, Pangasinan												
Maximum Temperature	31.8	31.4	33.0	35.8	35.0	33.9	32.9	30.8	31.7	31.5	32.0	31.5
Minimum Temperature	22.5	22.5	24.2	25.5	25.6	25.5	24.9	24.7	25.0	24.8	24.0	23.8
Mean Temperature	27.2	26.9	28.6	30.7	30.3	29.7	28.9	27.8	28.4	28.1	28.0	27.6
Davao City, Davao Del Sur												
Maximum Temperature	33.3	33.1	34.5	35.2	34.2	33.1	33.0	33.4	33.1	33.1	32.0	31.6
Minimum Temperature	24.5	24.7	25.2	26.0	26.1	25.4	25.4	26.0	25.0	25.0	24.9	24.8
Mean Temperature	28.9	28.9	29.9	30.6	30.2	29.2	29.2	29.7	29.1	29.1	28.4	28.2
Dipolog, Zamboanga Del Norte												
Maximum Temperature	31.8	31.6	33.1	33.6	33.1	32.6	32.8	33.1	32.7	32.2	31.4	31.4
Minimum Temperature	23.4	23.7	23.5	23.9	23.6	23.6	23.5	23.5	23.5	23.5	23.4	23.7
Mean Temperature	27.6	27.6	28.3	28.8	28.4	28.1	28.2	28.3	28.1	27.8	27.4	27.5
Dumaguete City, Negros Oriental												
Maximum Temperature	30.5	30	31.4	32.3	32.3	32.4	32.2	33.1	32.2	31.8	30.5	30.6
Minimum Temperature	24.6	26	24.8	26.5	27.0	29.0	25.1	24.8	24.8	25.0	24.9	25.2
Mean Temperature	27.5	28.0	28.1	29.4	29.6	30.7	28.6	29.0	28.5	28.4	27.7	27.9
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	31.2	31.4	32.2	33.0	33.4	32.7	32.8	33.9	32.7	32.2	31.0	31.2
Minimum Temperature	22.3	22.8	23.1	23.3	24.8	24.5	24.0	24.0	24.1	24.1	23.8	23.0
Mean Temperature	26.8	27.1	27.7	28.1	29.1	28.6	28.4	29.0	28.4	28.1	27.4	27.1
General Santos, South Cotabato												
Maximum Temperature	35.3	35.6	37.2	37.4	35.8	33.0	33.8	32.7	32.7	32.7	32.5	31.8
Minimum Temperature	23.1	23.1	23.6	24.6	24.6	23.3	23.2	23.3	23.0	23.0	23.2	22.6
Mean Temperature	29.2	29.2	30.4	31.0	30.2	28.2	28.5	28.0	27.8	27.8	27.9	27.2
Guiuan, Eastern Samar												
Maximum Temperature	28.9	29.1	30.7	32.3	33.0	31.8	31.3	32.7	33.1	31.8	30.2	31.0
Minimum Temperature	23.3	23.4	24.1	24.8	25.2	24.5	24.1	24.9	24.7	24.4	23.8	24.1
Mean Temperature	26.1	26.2	27.4	28.6	29.1	28.2	27.7	28.8	28.9	28.1	27.0	27.5
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.8	29.3	30.3	31.1	31.5	32.6	32.5	34.3	32.9	32.0	30.4	30.6
Minimum Temperature	23.3	23.3	23.3	24.4	24.9	24.6	24.4	24.8	24.1	24.2	23.8	24.1
Mean Temperature	26.6	26.3	26.8	27.7	28.2	28.6	28.5	29.5	28.5	28.1	27.1	27.4

Continued

Table 1.1.7 *(Continued)*
TEMPERATURE BY MONITORING STATION
2016
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	31.3	31.1	32.0	34.9	35.1	32.9	31.5	...	30.8	31.1	32.7	32.2
Minimum Temperature	21.9	21.9	22.9	24.6	25.4	24.4	23.7	...	23.8	23.7	23.3	23.1
Mean Temperature	26.6	26.5	27.4	29.7	30.2	28.7	27.6	...	27.3	27.4	28.0	27.7
Infanta, Quezon												
Maximum Temperature	29.3	28.4	29.6	32.0	32.6	33.1	32.5	32.7	33.0	31.4	30.0	28.8
Minimum Temperature	23.4	23.0	23.2	24.7	25.5	25.0	25.0	25.8	24.6	24.3	23.6	22.5
Mean Temperature	26.4	25.7	26.4	28.3	29.0	29.0	28.8	29.2	28.8	27.9	26.8	25.6
Itbayat, Batanes												
Maximum Temperature	25.3	24.0	25.0	30.3	31.3	31.7	31.5	31.0	30.1	29.4	27.6	26
Minimum Temperature	19.8	18.1	19.5	23.6	24.9	25.8	25.5	25.4	24.7	24.3	22.5	21
Mean Temperature	22.5	21.1	22.2	27.0	28.1	28.8	28.5	28.2	27.4	26.8	25.0	23.1
Juban, Sorsogon												
Maximum Temperature	29.0	28.2	30.2	32.0	32.9	32.2	31.3	31.8	31.8	30.4	29.2	28.9
Minimum Temperature	22.1	22.6	22.0	23.6	28.6	24.7	24.1	26.0	24.7	24.4	23.5	24.1
Mean Temperature	25.5	25.4	26.1	27.8	30.7	28.4	27.7	28.9	28.3	27.4	26.4	26.5
Laoag City, Ilocos Norte												
Maximum Temperature	30.1	29.4	30.1	32.5	33.8	32.6	32.1	30.2	31.0	31.5	31.8	30.9
Minimum Temperature	20.7	21.0	22.5	24.1	25.6	25.2	24.7	24.6	24.5	24.4	23.0	23.3
Mean Temperature	25.4	25.2	26.3	28.3	29.7	28.9	28.4	27.4	27.7	28.0	27.4	27.1
Legazpi City, Albay												
Maximum Temperature	29.6	29.2	30.6	32.3	33.3	33.1	32.4	32.1	32.5	31.2	30.4	29.9
Minimum Temperature	24.3	24.0	24.9	26.2	26.8	26.2	25.7	26.5	26.0	25.4	25.1	25.2
Mean Temperature	27.0	26.6	27.8	29.3	30.1	29.6	29.0	29.3	29.3	28.3	27.8	27.5
Maasin, Southern Leyte												
Maximum Temperature	30.4	30.2	32.5	33.5	33.4	31.7	30.8	30.6	30.2	30.2	29.4	29.7
Minimum Temperature	23.7	23.6	24.4	25.6	25.7	25.2	24.7	25.5	24.4	24.4	24.0	24.6
Mean Temperature	27.1	26.9	28.5	29.6	29.6	28.5	27.7	28.1	27.3	27.3	26.7	27.2
Mactan International Airport, Cebu												
Maximum Temperature	30.6	30.3	31.9	33.7	33.7	32.7	32.0	33.1	32.8	31.8	30.9	31.0
Minimum Temperature	24.5	24.4	25.0	26.3	26.3	25.5	25.3	26.2	25.2	25.1	24.9	25.1
Mean Temperature	27.6	27.4	28.5	30.0	30.0	29.1	28.7	29.6	29.0	28.5	27.9	28.0
Malaybalay, Bukidnon												
Maximum Temperature	31.0	31.3	33.1	33.9	32.7	30.9	29.9	29.5	29.7	30.0	29.6	30.0
Minimum Temperature	16.6	17.2	17.4	18.7	19.8	20.0	19.3	18.9	18.8	19.0	18.8	18.9
Mean Temperature	23.8	24.3	25.2	26.3	26.2	25.5	24.6	24.2	24.3	24.5	24.2	24.5
Masbate, Masbate												
Maximum Temperature	30.7	30.3	31.6	33.2	33.8	33.2	32.6	32.9	33.2	31.8	31.1	...
Minimum Temperature	22.9	22.9	23.3	24.2	25.0	24.7	24.1	24.7	24.5	23.9	23.4	...
Mean Temperature	26.8	26.6	27.5	28.7	29.4	29.0	28.3	28.8	28.9	27.9	27.2	...
NAIA (MIA), Pasay City												
Maximum Temperature	31.8	31.6	33.7	35.6	35.5	33.6	33.1	31.5	31.9	32.2	31.8	31.6
Minimum Temperature	24.5	24.0	25.4	26.9	27.4	26.4	25.7	25.7	25.9	25.6	24.9	24.9
Mean Temperature	28.1	27.8	29.5	31.2	31.5	30.0	29.4	28.6	28.9	28.9	28.3	28.3
Port Area (MCO), Manila												
Maximum Temperature	31.7	31.0	33.2	35.4	35.2	33.9	33.3	31.6	32.2	32.5	32.1	31.3
Minimum Temperature	24.3	23.8	25.3	26.8	26.8	26.2	25.5	25.2	25.5	25.6	24.8	24.8
Mean Temperature	28.0	27.2	29.2	31.1	31.0	30.1	29.1	28.4	28.8	29.0	28.5	28.0
Puerto Princesa City, Palawan												
Maximum Temperature	31.7	31.7	32.9	33.9	33.8	32.4	32.3	32.2	32.0	31.6	31.5	31.6
Minimum Temperature	24.4	24.5	24.6	26.2	26.9	25.6	25.4	25.4	25.0	24.9	24.8	25.2
Mean Temperature	28.1	28.1	28.8	30.0	30.4	29.0	28.9	28.8	28.5	28.3	28.2	28.4
Romblon, Romblon												
Maximum Temperature	28.1	27.5	29.7	31.7	32.0	30.9	30.0	29.6	29.9	29.0	28.0	27.4
Minimum Temperature	23.8	23.3	24.3	25.7	26.3	25.9	25.3	25.7	25.4	25.2	24.8	24.5
Mean Temperature	25.9	25.4	27.0	28.7	29.1	28.4	27.6	27.6	27.6	27.1	26.4	26.0

Continued

Table 1.1.7 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2016
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	30.4	29.4	31.7	33.0	33.6	32.2	31.9	32.3	31.8	31.3	30.9	30.6
Minimum Temperature	25.5	25.3	25.9	26.6	26.7	25.7	25.6	25.8	25.4	25.6	25.7	25.6
Mean Temperature	27.9	27.4	28.8	29.8	30.2	29.0	28.7	29.1	28.6	28.5	28.3	28.1
San Jose, Occidental Mindoro												
Maximum Temperature	32.9	33.3	34.3	35.9	35.2	32.4	31.7	31.3	31.2	31.1	32.1	32.9
Minimum Temperature	23.2	23.4	22.9	24.7	25.0	24.1	23.4	23.9	23.0	23.2	22.7	23.3
Mean Temperature	28.1	28.3	28.6	30.3	30.1	28.2	27.6	27.6	27.1	27.2	27.4	28.1
Sangley Point, Cavite												
Maximum Temperature	31.3	30.8	32.8	35.0	34.8	33.4	33.1	31.1	32.3	32.0	30.7	30.9
Minimum Temperature	25.3	24.9	26.3	27.9	28.3	27.2	27.0	26.7	26.8	26.7	26.1	25.8
Mean Temperature	28.3	27.8	29.6	31.4	31.6	30.3	30.0	28.9	29.5	29.3	28.4	28.4
Science Garden, Quezon City												
Maximum Temperature	31.6	31.2	33.2	35.5	34.9	33.6	32.7	30.9	31.6	31.9	31.8	31.2
Minimum Temperature	22.7	22.2	23.8	25.1	26.0	25.5	24.8	25.7	25.2	24.9	23.9	23.9
Mean Temperature	27.2	26.8	28.5	30.3	30.5	29.6	28.8	28.3	28.5	28.4	27.8	27.6
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.0	29.6	30.8	32.8	33.8	32.6	31.9	30.2	31.1	31.5	31.9	31.0
Minimum Temperature	21.4	21.0	22.7	24.6	25.8	25.0	25.0	24.3	24.0	24.0	23.0	22.6
Mean Temperature	25.7	25.3	26.8	28.7	29.8	28.8	28.4	27.2	27.6	27.7	27.4	26.8
Surigao, Surigao Del Norte												
Maximum Temperature	31.1	30.8	32.0	33.1	33.2	33.6	32.8	33.8	33.4	32.2	31.1	31.3
Minimum Temperature	23.3	23.1	23.8	24.5	24.7	24.7	24.2	25.2	24.4	24.1	23.2	23.4
Mean Temperature	27.2	27.0	27.9	28.8	29.0	29.2	28.5	29.5	28.9	28.2	27.2	27.3
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	30.9	30.9	32.2	33.2	33.3	31.8	31.9	32.0	31.7	31.2	30.9	31.0
Minimum Temperature	22.9	23.0	23.1	24.7	25.6	25.4	24.9	25.8	25.2	24.8	23.8	24.3
Mean Temperature	26.9	26.9	27.6	28.9	29.5	28.6	28.4	28.9	28.4	28.0	27.3	27.6
Tacloban City, Leyte												
Maximum Temperature	30.3	29.8	31.6	32.2	32.2	31.9	31.6	32.9	32.0	31.3	30.1	30.5
Minimum Temperature	23.7	23.7	24.2	25.5	25.9	25.4	25.2	26.1	25.2	25.3	24.2	24.7
Mean Temperature	27.0	26.8	27.9	28.8	29.0	28.7	28.4	29.5	28.6	28.3	27.1	27.6
Tanay, Rizal												
Maximum Temperature	24.9	24.3	26.7	29.1	29.1	28.1	27.3	25.5	26.4	26.3	24.9	24.5
Minimum Temperature	19.1	18.7	20.0	21.4	21.8	21.6	20.9	21.0	20.9	20.9	19.9	19.8
Mean Temperature	22.0	21.5	23.3	25.2	25.5	24.8	24.1	23.2	23.6	23.6	22.4	22.2
Tayabas, Quezon												
Maximum Temperature	28.8	28.3	30.3	31.9	33.4	33.0	32.0	31.7	32.3	30.6	29.6	28.5
Minimum Temperature	21.6	21.2	22.5	23.5	24.9	24.2	24.0	24.2	23.6	23.8	23.4	23.5
Mean Temperature	25.2	24.8	26.4	27.7	29.1	28.6	28.0	28.0	28.0	27.2	26.5	26.0
Tuguegarao, Cagayan												
Maximum Temperature	29.6	28.4	31.9	37.6	37.5	35.3	34.8	33.2	33.1	32.0	29.4	27.9
Minimum Temperature	20.8	20.4	22.6	24.4	24.9	24.8	24.3	24.6	24.1	23.7	22.5	22.3
Mean Temperature	25.2	24.4	27.2	31.0	31.2	30.0	29.6	28.9	28.6	27.9	26.0	25.1
Virac Synop, Catanduanes												
Maximum Temperature	29.6	29.3	30.0	31.2	31.8	31.9	31.5	32.9	32.5	31.0	30.3	29.7
Minimum Temperature	22.2	22.7	22.8	24.2	25.2	25.5	24.9	26.2	25.3	24.5	24.2	24.3
Mean Temperature	25.9	26.0	26.4	27.7	28.5	28.7	28.2	29.6	28.9	27.7	27.2	27.0
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	34.2	33.7	34.0	34.3	34.3	33.1	32.7	32.9	32.5	32.3	32.7	32
Minimum Temperature	23.4	24.2	24.0	25.2	25.3	24.5	24.6	24.8	24.3	24.3	23.9	24
Mean Temperature	28.6	28.9	29.0	29.8	29.8	28.8	28.7	28.8	28.4	28.3	28.3	28.1

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.8
TEMPERATURE BY MONITORING STATION
2017
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	28.3	28.5	...	31.6	33.0	33.4	31.8	33.5	32.5	30.9	30.7	29.2
Minimum Temperature	23.2	22.5	...	23.7	25.0	24.4	24.4	24.2	24.3	23.8	24.3	23.5
Mean Temperature	25.7	25.5	...	27.7	29.0	28.9	28.1	28.8	28.4	27.4	27.5	26.3
Ambulong, Batangas												
Maximum Temperature	29.8	30.4	32.3	34.6	35.1	34.8	32.3	33.0	32.8	31.9	31.9	30.3
Minimum Temperature	22.9	21.4	22.4	23.8	25.0	24.2	24.4	24.2	24.1	24.0	24.5	23.7
Mean Temperature	26.3	25.9	27.3	29.2	30.0	29.5	28.4	28.6	28.5	28.0	28.2	27.0
Aparri, Cagayan												
Maximum Temperature	26.0	24.9	27.9	30.0	31.6	32.9	32.3	31.7	31.6	29.2	28.3	25.5
Minimum Temperature	22.2	21.8	23.4	25.1	26.0	26.8	26.5	26.2	26.4	25.3	25.0	23.1
Mean Temperature	24.1	23.3	25.7	27.6	28.8	29.8	29.4	28.9	29.0	27.3	26.7	24.3
Baguio City, Benguet												
Maximum Temperature	...	22.2	24.4	25.1	24.6	25.2	23.3	23.2	23.5	23.2	23.9	23.5
Minimum Temperature	...	12.8	14.7	15.9	16.9	17.0	16.5	16.6	16.7	16.2	16.1	14.8
Mean Temperature	...	17.6	19.5	20.5	21.0	21.1	19.9	19.9	20.1	19.7	20.0	19.2
Baler, Aurora (Radar)												
Maximum Temperature	27.2	27.5	29.4	30.7	32.1	32.0	30.3	32.0	31.6	30.5	29.1	28.0
Minimum Temperature	21.5	20.9	22.1	23.4	24.4	24.6	24.1	24.9	24.8	24.0	23.3	22.3
Mean Temperature	24.3	24.2	25.7	27.1	28.3	28.3	27.2	28.5	28.2	27.2	26.2	25.1
Basco, Batanes (Radar)												
Maximum Temperature	24.1	23.4	25.5	27.5	29.1	30.9	30.3	30.1	30.5	28.4	27.5	23.3
Minimum Temperature	19.2	18.4	19.6	21.6	23.7	25.8	24.9	24.8	25.3	23.6	22.5	18.8
Mean Temperature	21.6	20.9	22.6	24.5	26.4	28.4	27.6	27.5	27.9	26.0	25.0	21.0
Borongan, Eastern Samar												
Maximum Temperature	29.0	28.6	29.6	30.8	31.8	32.1	30.8	32.4	32.1	31.2	31.1	30.5
Minimum Temperature	24.1	23.4	23.5	23.7	24.7	24.0	23.1	23.3	24.3	24.0	25.0	24.3
Mean Temperature	26.6	26.0	26.6	27.2	28.2	28.1	27.0	27.9	28.2	27.6	28.1	27.4
Butuan City, Agusan Del Norte												
Maximum Temperature	29.9	29.8	31.0	32.6	33.8	33.6	32.8	33.4	33.0	32.5	31.9	31.3
Minimum Temperature	23.7	23.3	23.7	24.2	25.0	24.5	24.5	24.6	24.3	24.6	24.0	24.0
Mean Temperature	26.8	26.6	27.3	28.4	29.4	29.0	28.7	29.0	28.6	28.6	27.9	27.7
Cabanatuan, Nueva Ecija												
Maximum Temperature	31.4	31.6	33.6	34.6	35.9	34.7	32.5	32.9	32.6	32.4	32.4	31.8
Minimum Temperature	22.1	21.5	22.5	24.5	25.0	25.0	24.4	24.4	24.6	24.2	23.9	23.4
Mean Temperature	26.8	26.6	28.0	29.5	30.5	29.9	28.5	28.7	28.6	28.3	28.1	27.6
Calapan, Oriental Mindoro												
Maximum Temperature	29.5	29.4	30.6	32.1	33.3	32.9	31.1	32.0	32.0	...	30.6	29.8
Minimum Temperature	22.8	22.6	23.2	23.9	24.4	24.2	23.4	23.8	23.9	...	23.6	23.1
Mean Temperature	26.1	26.0	26.9	28.0	28.8	28.5	27.2	27.9	28.0	...	27.1	26.4
Calayan, Cagayan												
Maximum Temperature	27.9	27.4	29.3	31.5	32.6	33.3	33.5	...	...	...	...	...
Minimum Temperature	20.6	19.8	20.9	21.5	23.4	24.2	24.3	...	...	...	...	...
Mean Temperature	24.2	23.6	25.1	26.5	28.0	28.8	28.9	...	...	...	...	...
Casiguran, Aurora												
Maximum Temperature	27.9	27.4	29.6	31.1	33.4	33.4	31.6	33.1	32.8	31.5	29.7	28.0
Minimum Temperature	21.3	20.3	21.4	23.1	24.6	25.1	24.7	24.9	24.5	23.9	23.5	22.6
Mean Temperature	24.6	23.9	25.5	27.1	29.0	29.2	28.2	29.0	28.6	27.7	26.6	25.3
Catarman, Northern Samar												
Maximum Temperature	28.8	29.1	...	30.9	32.5	32.1	30.9	32.4	31.4	31.0	30.8	29.9
Minimum Temperature	22.9	23.2	...	23.5	24.6	24.2	24.1	24.3	23.9	24.1	24.3	23.9
Mean Temperature	25.9	26.1	...	27.2	28.5	28.2	27.5	28.4	27.7	27.5	27.6	26.9
Catbalogan, Western Samar												
Maximum Temperature	30.6	30.9	31.8	32.8	34.5	34.0	32.1	33.5	33.2	32.6	33.1	31.6
Minimum Temperature	23.9	23.3	23.6	24.6	26.0	25.6	25.1	25.8	25.2	25.3	25.0	24.2
Mean Temperature	27.3	27.1	27.7	28.7	30.2	29.8	28.6	29.6	29.2	29.0	29.0	27.9

Continued

Table 1.1.8 *(Continued)*
TEMPERATURE BY MONITORING STATION
2017
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	29.8	30.5	33.0	34.4	34.2	33.6	31.4	32.1	31.8	31.7	31.1	30.8
Minimum Temperature	22.8	22.2	23.5	25.2	25.8	25.6	24.8	24.8	24.9	24.8	24.5	23.9
Mean Temperature	26.3	26.4	28.3	29.8	30.0	29.6	28.1	28.5	28.3	28.3	27.8	27.3
Coron, Palawan												
Maximum Temperature	32.5	32.9	33.7	34.5	...	33.1	...	31.8	31.9	31.1	32.5	32.0
Minimum Temperature	23.9	23.5	24.0	24.2	...	24.4	...	24.1	24.2	24.1	24.6	24.1
Mean Temperature	28.2	28.2	28.8	29.4	...	28.7	...	28.0	28.1	27.6	28.5	28.0
Cotabato City, Maguindanao												
Maximum Temperature	32.6	33.3	33.5	34.5	34.4	33.5	32.8	33.4	33.2	32.9	34.1	33.3
Minimum Temperature	22.7	23.0	23.2	23.6	23.6	23.0	23.0	22.9	23.1	22.8	23.3	23.0
Mean Temperature	27.7	28.2	28.4	29.1	29.0	28.3	27.9	28.1	28.1	27.8	28.7	28.2
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	31.1	31.8	33.6	34.3	34.2	33.1	31.3	31.6	32.2	32.0	32.3	31.6
Minimum Temperature	22.8	22.6	23.1	25.1	25.8	25.0	24.4	24.3	24.6	24.5	24.4	24.0
Mean Temperature	26.9	27.2	28.4	29.7	30.0	29.1	27.9	28.0	28.4	28.3	28.4	27.8
Cuyo, Palawan												
Maximum Temperature	32.7	33.0	...	34.1	33.9	...	...	32.1	31.6	31.3	32.6	31.4
Minimum Temperature	25.8	25.9	...	26.1	25.8	...	...	25.6	25.2	25.2	25.5	25.3
Mean Temperature	29.2	29.4	...	30.1	29.9	...	...	28.9	28.4	28.3	29.1	28.3
Daet, Camarines Norte												
Maximum Temperature	28.5	28.4	29.6	31.0	32.9	33.4	31.8	32.3	31.7	30.4	30.4	28.9
Minimum Temperature	23.1	23.3	24.2	24.1	24.2	24.7	24.2	22.8	23.5	24.2	25.4	24.4
Mean Temperature	25.8	25.9	26.9	27.6	28.5	29.1	28.0	27.6	27.6	27.3	27.9	26.7
Dagupan City, Pangasinan												
Maximum Temperature	30.9	31.3	33.4	34.5	34.8	34.4	32.5	32.4	32.6	32.5	32.3	31.5
Minimum Temperature	22.2	22.2	23.3	25.2	25.7	25.6	24.9	25.1	24.9	24.4	24.1	22.8
Mean Temperature	26.6	26.8	28.4	29.9	30.3	30.0	28.7	28.8	28.8	28.5	28.2	27.2
Davao City, Davao Del Sur												
Maximum Temperature	30.6	30.9	32.0	33.0	32.8	32.1	32.2	32.3	...	33.0	32.2	32.7
Minimum Temperature	24.5	24.0	24.5	25.3	25.8	25.2	25.2	25.0	...	24.5	24.6	25.0
Mean Temperature	27.5	27.5	28.2	29.1	29.3	28.7	28.7	28.6	...	28.8	28.4	28.8
Dipolog, Zamboanga Del Norte												
Maximum Temperature	30.0	30.4	31.2	32.4	32.8	32.7	32.4	32.6	32.7	32.0	31.9	31.4
Minimum Temperature	23.3	23.5	23.3	23.6	24.3	24.3	24.0	24.2	24.3	24.2	24.6	24.4
Mean Temperature	26.6	26.9	27.3	28.0	28.6	28.5	28.2	28.4	28.5	28.1	28.3	27.9
Dumaguete City, Negros Oriental												
Maximum Temperature	28.9	28.9	29.6	31.0	32.1	32.3	31.8	32.3	32.0	30.7	30.9	30.3
Minimum Temperature	24.7	24.5	24.4	25.2	25.7	24.9	24.4	24.6	24.7	24.4	25.8	24.9
Mean Temperature	26.8	26.7	27.0	28.1	28.9	28.6	28.1	28.5	28.3	27.5	28.3	27.6
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	29.8	29.5	30.5	31.4	32.6	32.2	32.3	32.3	32.1	32.0	31.4	31.0
Minimum Temperature	23.3	23.1	23.2	24.0	24.6	24.0	23.9	24.1	23.5	23.6	23.6	23.5
Mean Temperature	26.5	26.3	26.8	27.7	28.6	28.1	28.1	28.2	27.8	27.8	27.5	27.3
General Santos, South Cotabato												
Maximum Temperature	31.4	32.1	32.4	33.8	33.3	32.1	31.3	32.9	32.8	32.6	33.7	32.4
Minimum Temperature	22.5	22.3	22.7	23.3	23.4	22.6	22.8	22.8	22.8	22.7	23.1	23.0
Mean Temperature	26.9	27.2	27.6	28.6	28.3	27.3	27.0	27.8	27.8	27.6	28.4	27.7
Guiuan, Eastern Samar												
Maximum Temperature	29.9	29.7	30.6	32.0	33.2	34.0	31.2	32.7	32.4	31.3	31.4	30.4
Minimum Temperature	23.0	22.5	23.1	24.1	25.1	25.0	24.3	24.6	24.8	24.7	24.5	23.6
Mean Temperature	26.5	26.1	26.8	28.1	29.1	29.5	27.7	28.7	28.6	28.0	28.0	27.0
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.5	28.8	30.2	31.6	32.6	33.1	32.5	33.0	32.5	32.3	30.5	30.4
Minimum Temperature	23.9	23.0	23.7	24.2	24.7	24.3	24.4	24.5	24.1	24.5	24.2	24.1
Mean Temperature	26.7	25.9	27.0	27.9	28.7	28.7	28.4	28.8	28.3	28.4	27.4	27.3

Continued

Table 1.1.8 *(Continued)*
TEMPERATURE BY MONITORING STATION
2017
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	31.4	31.9	32.6	33.5	33.7	32.6	31.6	31.2	31.0	31.0	31.5	30.9
Minimum Temperature	22.0	21.9	22.4	24.4	25.4	25.1	24.8	24.7	25.3	25.3	25.6	25.1
Mean Temperature	26.7	26.9	27.5	28.9	29.5	28.9	28.2	28.0	28.1	28.2	28.5	28.0
Infanta, Quezon												
Maximum Temperature	27.7	27.3	29.5	30.7	32.9	33.4	31.4	33.0	32.2	30.7	29.8	28.2
Minimum Temperature	22.3	21.9	22.2	23.1	23.7	23.1	23.3	23.5	23.0	22.6	23.1	21.9
Mean Temperature	25.0	24.6	25.8	26.9	28.3	28.2	27.3	28.2	27.6	26.6	26.5	25.1
Itbayat, Batanes												
Maximum Temperature	24.7	24.2	25.9	28.0	30.2	32.3	31.6	31.1	31.1	29.2	27.9	24.0
Minimum Temperature	19.1	18.3	19.3	21.6	24.1	25.6	25.0	25.0	25.2	23.3	22.7	18.1
Mean Temperature	21.9	21.2	22.6	24.8	27.1	28.9	28.3	28.1	28.2	26.3	25.3	21.1
Juban, Sorsogon												
Maximum Temperature	27.4	28.0	...	31.1	33.3	33.2	31.2	32.1	32.2	31.8	30.6	29.3
Minimum Temperature	23.5	22.7	...	22.9	24.1	23.9	24.3	24.2	24.1	23.9	24.0	23.5
Mean Temperature	25.5	25.3	...	27.0	28.7	28.6	27.7	28.2	28.1	27.9	27.3	26.4
Laoag City, Ilocos Norte												
Maximum Temperature	31.1	30.2	31.3	32.0	32.1	32.9	31.9	31.0	31.4	31.2	31.9	30.5
Minimum Temperature	20.7	21.6	22.3	23.6	25.0	25.5	25.0	24.9	24.9	24.4	24.0	22.6
Mean Temperature	25.9	25.9	26.8	27.8	28.5	29.2	28.4	27.9	28.2	27.8	27.9	26.5
Legazpi City, Albay												
Maximum Temperature	28.7	29.3	30.2	31.9	33.0	33.2	31.3	32.6	32.3	31.4	30.9	29.6
Minimum Temperature	24.7	24.2	24.9	25.2	26.6	26.3	25.6	25.8	25.5	25.2	25.7	25.0
Mean Temperature	26.7	26.8	27.6	28.5	29.8	29.7	28.4	29.2	28.9	28.3	28.3	27.3
Maasin, Southern Leyte												
Maximum Temperature	27.8	28.6	29.0	30.4	31.2	31.5	30.0	30.4	30.3	29.6	30.4	29.2
Minimum Temperature	23.6	23.6	23.8	24.5	25.6	25.0	24.4	24.8	24.7	24.7	24.8	23.6
Mean Temperature	25.7	26.1	26.4	27.5	28.4	28.3	27.2	27.6	27.5	27.2	27.6	26.4
Mactan International Airport, Cebu												
Maximum Temperature	29.5	30.0	30.7	31.5	32.7	32.6	31.7	32.5	32.1	31.4	31.4	30.7
Minimum Temperature	24.5	24.2	24.6	25.0	26.1	25.5	24.9	25.1	24.9	25.1	25.7	24.8
Mean Temperature	27.0	27.1	27.6	28.3	29.4	29.0	28.3	28.8	28.5	28.2	28.6	27.7
Malaybalay, Bukidnon												
Maximum Temperature	28.2	29.2	30.2	31.2	32.2	31.3	30.1	30.2	30.3	29.6	30.3	30.0
Minimum Temperature	18.8	18.2	18.7	19.2	20.1	19.9	20.1	20.5	20.5	20.4	20.1	19.8
Mean Temperature	23.5	23.7	24.4	25.2	26.1	25.6	25.1	25.4	25.4	25.0	25.2	24.9
Masbate, Masbate												
Maximum Temperature	29.6	30.6	31.0	31.8	33.3	33.5	31.9	32.8	32.5	32.1	32.3	30.4
Minimum Temperature	22.6	22.4	22.8	23.6	24.8	24.4	24.0	24.1	23.9	23.7	23.9	22.9
Mean Temperature	26.1	26.5	26.9	27.7	29.1	29.0	27.9	28.4	28.2	27.9	28.1	26.6
NAIA (MIA), Pasay City												
Maximum Temperature	30.4	30.7	32.8	34.3	34.9	34.0	32.4	32.4	32.4	31.5	32.3	30.7
Minimum Temperature	23.7	23.5	24.3	26.0	27.2	26.2	25.6	26.0	26.0	25.6	25.2	24.6
Mean Temperature	27.1	27.1	28.6	30.2	31.0	30.1	29.0	29.2	29.2	28.6	28.7	27.6
Port Area (MCO), Manila												
Maximum Temperature	30.3	30.1	32.1	33.6	34.6	33.5	31.8	32.2	31.9	31.4	31.8	30.4
Minimum Temperature	23.7	23.5	24.8	26.5	26.7	26.4	25.4	25.7	25.7	25.4	25.3	24.5
Mean Temperature	27.0	26.8	28.5	30.0	30.7	30.0	28.6	29.0	28.8	28.4	28.5	27.4
Puerto Princesa City, Palawan												
Maximum Temperature	31.1	30.9	31.9	33.0	33.1	32.9	31.6	32.1	31.7	31.4	31.7	30.8
Minimum Temperature	24.7	24.7	25.2	25.9	26.1	25.4	24.8	25.3	25.2	24.8	25.1	25.0
Mean Temperature	27.9	27.8	28.5	29.5	29.6	29.1	28.2	28.7	28.4	28.1	28.4	27.9
Romblon, Romblon												
Maximum Temperature	26.3	27.1	28.0	29.7	31.4	30.7	29.0	30.3	30.0	28.9	28.6	27.0
Minimum Temperature	23.5	23.0	23.7	24.7	26.2	25.8	24.8	25.4	25.2	24.9	25.0	24.2
Mean Temperature	24.9	25.0	25.8	27.2	28.8	28.3	26.9	27.9	27.6	26.9	26.8	25.6

Continued

Table 1.1.8 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2017
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	28.9	29.4	30.4	31.5	32.5	32.7	31.0	32.3	32.2	31.5	31.9	30.2
Minimum Temperature	25.1	25.1	25.6	25.9	26.1	25.9	25.6	25.7	25.6	25.6	26.2	25.7
Mean Temperature	27.0	27.2	28.0	28.7	29.3	29.3	28.3	29.0	28.9	28.5	29.0	28.0
San Jose, Occidental Mindoro												
Maximum Temperature	32.8	33.5	34.0	34.1	34.7	32.4	31.6	31.4	31.6	31.4	32.6	32.2
Minimum Temperature	22.9	22.6	22.9	23.1	24.1	22.9	23.0	22.9	22.6	22.4	22.9	22.5
Mean Temperature	27.9	28.0	28.5	28.6	29.4	27.6	27.3	27.1	27.1	26.9	27.8	27.4
Sangley Point, Cavite												
Maximum Temperature	29.7	30.0	32.2	33.8	34.4	33.6	31.8	32.5	32.2	31.6	31.7	30.5
Minimum Temperature	25.1	24.5	25.8	27.2	28.3	27.8	26.8	27.1	27.1	26.6	26.5	25.8
Mean Temperature	27.4	27.3	29.0	30.5	31.3	30.7	29.3	29.8	29.7	29.1	29.1	28.2
Science Garden, Quezon City												
Maximum Temperature	30.3	30.4	32.5	34.0	34.4	33.9	32.0	32.4	32.3	31.2	31.7	30.4
Minimum Temperature	22.3	21.9	22.7	24.7	25.7	25.4	25.2	25.2	25.3	24.8	24.2	23.4
Mean Temperature	26.3	26.1	27.6	29.4	30.1	29.7	28.6	28.8	28.8	28.0	28.0	26.9
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.8	30.6	31.1	32.2	32.3	32.7	31.6	31.4	31.5	31.3	32.1	31.2
Minimum Temperature	21.4	21.5	22.2	23.5	24.6	24.9	24.1	24.2	24.4	23.4	23.8	22.2
Mean Temperature	26.1	26.0	26.7	27.9	28.4	28.8	27.8	27.8	27.9	27.4	28.0	26.7
Surigao, Surigao Del Norte												
Maximum Temperature	29.8	29.7	30.6	32.3	32.9	32.9	31.9	33.0	33.4	32.6	32.4	31.4
Minimum Temperature	23.1	23.1	23.7	24.5	25.2	25.0	24.7	24.9	24.8	24.6	24.3	23.7
Mean Temperature	26.5	26.4	27.2	28.4	29.1	29.0	28.3	29.0	29.1	28.6	28.4	27.5
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	29.7	29.9	30.2	31.0	31.9	32.0	30.9	31.6	31.2	30.8	31.4	30.7
Minimum Temperature	23.7	22.9	23.2	23.9	25.2	24.7	24.7	24.9	24.9	24.5	24.0	23.5
Mean Temperature	26.7	26.4	26.7	27.5	28.6	28.3	27.8	28.2	28.1	27.6	27.7	27.1
Tacloban City, Leyte												
Maximum Temperature	29.4	29.3	30.1	30.9	31.6	31.8	30.9	31.7	31.8	31.4	31.1	30.3
Minimum Temperature	24.0	23.2	23.8	24.6	25.6	25.3	24.7	25.1	24.5	24.7	25.1	24.2
Mean Temperature	26.7	26.3	27.0	27.7	28.6	28.5	27.8	28.4	28.1	28.0	28.1	27.3
Tanay, Rizal												
Maximum Temperature	23.0	23.9	25.6	28.3	29.4	29.2	26.6	27.4	27.6	26.2	25.8	23.9
Minimum Temperature	18.7	17.4	18.7	20.2	21.5	21.2	20.1	20.6	20.3	19.0	18.3	17.7
Mean Temperature	20.9	20.7	22.2	24.2	25.4	25.2	23.4	24.0	24.0	22.6	22.1	20.8
Tayabas, Quezon												
Maximum Temperature	27.5	27.9	29.6	31.6	33.1	32.8	30.8	31.6	31.4	30.2	29.9	27.9
Minimum Temperature	22.5	22.0	22.8	23.5	24.9	23.9	22.7	21.7	19.7	22.1	23.5	22.9
Mean Temperature	25.0	24.9	26.2	27.6	29.0	28.3	26.7	26.7	25.6	26.2	26.7	25.4
Tuguegarao, Cagayan												
Maximum Temperature	27.7	27.2	30.9	34.0	34.7	34.9	33.8	32.4	33.6	30.3	29.4	27.0
Minimum Temperature	20.8	20.3	21.8	23.6	24.5	24.9	24.5	24.6	24.6	23.4	23.1	21.4
Mean Temperature	24.2	23.8	26.4	28.8	29.6	29.9	29.2	28.5	29.1	26.9	26.3	24.2
Virac Synop, Catanduanes												
Maximum Temperature	28.9	29.1	29.7	30.7	32.1	31.9	31.2	32.4	32.0	31.1	30.9	29.8
Minimum Temperature	23.3	22.2	23.4	23.4	24.8	25.0	24.6	25.0	24.6	24.5	24.4	23.8
Mean Temperature	26.1	25.7	26.5	27.0	28.4	28.5	27.9	28.7	28.3	27.8	27.6	26.8
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	32.4	32.6	32.3	33.1	32.9	32.5	32.3	32.4	32.8	32.4	34.0	32.9
Minimum Temperature	23.8	23.6	23.9	24.2	24.8	24.2	24.2	24.6	24.2	24.0	23.9	23.7
Mean Temperature	28.1	28.1	28.1	28.6	28.8	28.4	28.3	28.5	28.5	28.2	28.9	28.3

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.9
TEMPERATURE BY MONITORING STATION
2018
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	28.8	29.4	30.0	31.4	32.7	32.3	32.2	32.6	32.0	31.8	30.6	29.5
Minimum Temperature	22.8	22.8	23.2	24.3	24.8	24.5	24.4	25.1	24.2	24.0	23.9	23.6
Mean Temperature	25.8	26.1	26.6	27.8	28.8	28.4	28.3	28.8	28.1	27.9	27.3	26.5
Ambulong, Batangas												
Maximum Temperature	30.0	31.6	32.3	34.6	34.9	32.3	31.2	31.7	32.0	32.8	31.9	30.1
Minimum Temperature	23.0	22.9	22.8	23.9	24.6	24.1	24.1	24.6	23.7	23.3	23.8	23.7
Mean Temperature	26.5	27.2	27.6	29.2	29.8	28.2	27.7	28.1	27.8	28.1	27.8	26.9
Aparri, Cagayan												
Maximum Temperature	25.9	25.8	28.1	...	...	...	...	...	...	...	...	...
Minimum Temperature	22.6	22.5	23.0	...	...	...	...	...	...	...	...	...
Mean Temperature	24.2	24.2	25.5	...	...	...	...	...	...	...	...	...
Baguio City, Benguet												
Maximum Temperature	23.3	24.2	24.4	24.3	24.9	22.5	22.1	20.6	23.1	23.6	24.6	23.8
Minimum Temperature	14.9	14.3	13.8	15.9	16.9	16.6	16.3	16.3	15.8	15.3	14.1	14.1
Mean Temperature	19.1	19.2	19.1	20.1	20.9	19.5	19.2	18.4	19.5	19.5	19.4	18.9
Baler, Aurora (Radar)												
Maximum Temperature	27.6	30.1	30.2	30.7	31.5	31.8	31.2	31.5	31.7	31.3	30.3	28.3
Minimum Temperature	21.9	22.0	22.0	23.2	24.3	24.7	24.3	24.7	23.9	23.7	23.4	22.4
Mean Temperature	24.8	26.1	26.1	26.9	27.9	28.2	27.8	28.1	27.8	27.5	26.9	25.4
Basco, Batanes (Radar)												
Maximum Temperature	23.6	23.4	25.3	27.0	30.4	29.9	29.6	29.1	29.2	27.6	26.8	25.4
Minimum Temperature	18.9	18.7	19.7	22.0	25.1	24.5	24.6	24.4	24.2	22.5	22.7	21.4
Mean Temperature	21.2	21.0	22.5	24.4	27.8	27.2	27.1	26.8	26.7	25.0	24.7	23.4
Borongan, Eastern Samar												
Maximum Temperature	30.5	29.3	30.4	31.2	31.7	32.0	33.0	33.3	32.7	32.2	30.8	30.4
Minimum Temperature	24.3	23.4	23.4	24.1	24.3	24.4	24.6	24.4	24.3	23.8	24.3	24.5
Mean Temperature	27.4	26.3	26.9	27.6	28.0	28.2	28.8	28.8	28.5	28.0	27.5	27.4
Butuan City, Agusan Del Norte												
Maximum Temperature	30.4	31.2	31.8	32.8	34.1	33.3	33.5	33.3	32.9	33.0	31.3	31.1
Minimum Temperature	23.3	23.6	23.2	24.0	24.9	24.2	24.9	24.6	24.2	24.1	23.6	23.6
Mean Temperature	26.8	27.4	27.5	28.4	29.5	28.7	29.2	29.0	28.6	28.6	27.5	27.3
Cabanatuan, Nueva Ecija												
Maximum Temperature	31.6	32.8	33.9	36.2	37.2	32.8	31.8	31.5	32.5	33.6	33.0	31.7
Minimum Temperature	22.6	22.6	22.6	24.3	25.2	24.4	24.2	24.3	24.2	23.9	23.1	22.9
Mean Temperature	27.1	27.7	28.2	30.2	31.2	28.6	28.0	27.9	28.4	28.8	28.1	27.3
Calapan, Oriental Mindoro												
Maximum Temperature	29.3	30.4	30.9	32.4	33.5	32.1	31.2	31.6	32.2	32.1	31.6	30.3
Minimum Temperature	22.9	23.2	23.6	24.3	24.8	24.3	23.8	24.0	24.0	23.9	23.7	23.1
Mean Temperature	26.1	26.8	27.2	28.3	29.2	28.2	27.5	27.8	28.1	28.0	27.6	26.7
Calayan, Cagayan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora												
Maximum Temperature	27.9	29.3	30.2	31.5	33.8	33.2	32.6	32.5	32.8	32.1	30.8	29.3
Minimum Temperature	21.7	21.6	21.9	23.4	24.5	25.2	24.7	25.3	24.4	23.3	22.5	22.3
Mean Temperature	24.8	25.5	26.0	27.4	29.1	29.2	28.6	28.9	28.6	27.7	26.6	25.8
Catarman, Northern Samar												
Maximum Temperature	29.2	29.3	30.1	31.2	32.4	32.8	32.4	32.9	32.2	31.8	31.0	29.7
Minimum Temperature	23.3	23.2	23.6	23.9	24.4	24.8	24.9	24.9	24.3	23.8	24.0	24.0
Mean Temperature	26.3	26.2	26.9	27.5	28.4	28.8	28.7	28.9	28.2	27.8	27.5	26.9
Catbalogan, Western Samar												
Maximum Temperature	30.1	31.1	32.4	33.3	33.9	33.8	33.7	33.9	32.7	33.0	32.6	31.2
Minimum Temperature	23.5	23.6	23.8	24.7	25.2	25.8	26.4	26.5	25.6	24.4	23.9	24.2
Mean Temperature	26.8	27.3	28.1	29.0	29.5	29.8	30.0	30.2	29.2	28.7	28.3	27.7

Continued

Table 1.1.9 *(Continued)*
TEMPERATURE BY MONITORING STATION
2018
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	30.5	31.8	32.6	34.1	35.3	31.4	29.6	29.9	31.4	32.5	31.7	30.5
Minimum Temperature	23.5	23.2	23.4	24.9	26.2	24.8	24.3	24.6	24.4	24.9	24.1	23.8
Mean Temperature	27.0	27.5	28.0	29.5	30.7	28.1	27.0	27.2	27.9	28.7	27.9	27.2
Coron, Palawan												
Maximum Temperature	32.5	33.1	...	34.3	34.8	31.7	29.7	31.6	31.1	34.0	34.1	33.8
Minimum Temperature	23.7	23.7	...	24.6	25.2	24.4	23.8	24.4	23.7	23.9	24.4	24.2
Mean Temperature	28.1	28.4	...	29.5	30.0	28.1	26.7	28.0	27.4	28.9	29.2	29.0
Cotabato City, Maguindanao												
Maximum Temperature	33.4	34.1	35.5	35.5	35.5	33.7	33.1	32.7	32.6	34.3	34.7	34.1
Minimum Temperature	22.8	23.2	23.5	23.3	23.5	23.1	22.5	22.7	22.6	23.2	23.2	23.1
Mean Temperature	28.1	28.7	29.5	29.4	29.5	28.4	27.8	27.7	27.6	28.7	28.9	28.6
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	31.7	32.9	33.7	35.7	35.8	31.0	29.3	29.9	31.5	32.8	32.5	31.5
Minimum Temperature	23.8	23.4	23.5	25.6	26.7	24.7	24.1	24.4	24.2	24.4	24.1	23.8
Mean Temperature	27.7	28.1	28.6	30.6	31.3	27.9	26.7	27.2	27.9	28.6	28.3	27.7
Cuyo, Palawan												
Maximum Temperature	30.8	31.3	...	33.3	34.2	32.5	30.2	31.5	31.2	32.5	31.7	30.8
Minimum Temperature	25.3	25.3	...	26.3	26.3	25.8	25.5	25.7	25.5	26.3	26.2	25.9
Mean Temperature	28.0	28.3	...	29.8	30.2	29.1	27.8	28.6	28.3	29.4	28.9	28.3
Daet, Camarines Norte												
Maximum Temperature	28.3	28.8	29.6	30.9	32.4	32.2	32.4	32.3	31.9	31.1	30.2	29.6
Minimum Temperature	23.5	22.9	24.3	25.3	25.5	25.3	24.9	24.2	24.8	24.1	25.5	25.4
Mean Temperature	25.9	25.8	27.0	28.1	28.9	28.7	28.6	28.3	28.3	27.6	27.8	27.5
Dagupan City, Pangasinan												
Maximum Temperature	31.3	31.5	33.6	35.0	35.9	31.9	31.5	30.6	32.1	33.1	32.4	31.4
Minimum Temperature	22.0	22.3	23.1	24.3	25.3	24.5	24.5	24.4	24.4	24.1	23.7	23.1
Mean Temperature	26.7	26.9	28.3	29.7	30.6	28.2	28.0	27.5	28.3	28.6	28.0	27.3
Davao City, Davao Del Sur												
Maximum Temperature	31.4	32.8	33.5	33.7	33.6	32.5	32.4	32.6	32.9	33.5	33.0	32.5
Minimum Temperature	24.4	25.0	24.5	25.2	25.6	25.1	25.3	25.1	25.0	25.0	24.9	24.9
Mean Temperature	27.9	28.9	29.0	29.5	29.6	28.8	28.8	28.9	29.0	29.2	29.0	28.7
Dipolog, Zamboanga Del Norte												
Maximum Temperature	30.8	30.9	32.1	33.1	33.0	33.2	32.6	33.7	32.2	32.9	31.6	30.9
Minimum Temperature	24.3	24.3	24.7	25.4	24.7	24.7	24.5	24.4	24.1	24.2	24.4	24.8
Mean Temperature	27.6	27.6	28.4	29.2	28.8	29.0	28.6	29.0	28.2	28.6	28.0	27.9
Dumaguete City, Negros Oriental												
Maximum Temperature	29.5	29.8	30.2	31.2	32.2	33.0	32.5	32.8	31.3	31.8	30.4	30.3
Minimum Temperature	24.9	24.8	24.7	25.7	26.0	25.0	24.9	25.0	24.9	25.3	25.0	25.7
Mean Temperature	27.2	27.3	27.5	28.4	29.1	29.0	28.7	28.9	28.1	28.6	27.7	28.0
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	30.1	30.4	31.0	31.8	32.6	32.4	33.0	33.2	32.7	32.8	31.8	31.2
Minimum Temperature	23.3	23.5	23.1	24.3	24.7	23.7	23.9	23.7	23.5	23.6	23.4	23.5
Mean Temperature	26.7	27.0	27.0	28.1	28.7	28.1	28.4	28.4	28.1	28.2	27.6	27.4
General Santos, South Cotabato												
Maximum Temperature	31.6	32.6	34.4	34.0	33.8	32.2	31.3	31.9	31.7	33.1	33.3	33.0
Minimum Temperature	22.7	22.7	22.7	23.3	...	22.9	22.4	22.4	22.1	22.4	22.8	22.7
Mean Temperature	27.1	27.6	28.6	28.7	...	27.6	26.9	27.2	26.9	27.8	28.1	27.9
Guiuan, Eastern Samar												
Maximum Temperature	29.9	29.8	30.9	31.5	33.0	32.0	32.2	33.6	32.4	31.9	30.2	29.6
Minimum Temperature	23.7	23.0	23.7	24.3	25.0	24.3	24.2	25.0	24.2	24.3	23.5	23.7
Mean Temperature	26.8	26.4	27.3	27.9	29.0	28.2	28.2	29.3	28.3	28.1	26.8	26.7
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.8	30.5	30.6	31.4	32.5	33.6	34.1	33.8	33.4	32.0	30.3	30.7
Minimum Temperature	23.4	23.6	23.1	23.9	24.5	24.2	24.3	24.3	24.2	23.8	23.8	24.0
Mean Temperature	26.6	27.0	26.8	27.7	28.5	28.9	29.2	29.0	28.8	27.9	27.1	27.3

Continued

Table 1.1.9 *(Continued)*
TEMPERATURE BY MONITORING STATION
2018
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	30.5	30.1	31.5	32.0	33.3	30.3	29.0	29.3	30.2	31.3	31.3	30.9
Minimum Temperature	24.4	23.8	24.5	25.9	26.7	25.3	25.0	25.4	24.8	24.7	24.8	24.7
Mean Temperature	27.5	27.0	28.0	28.9	30.0	27.8	27.0	27.4	27.5	28.0	28.0	27.8
Infanta, Quezon												
Maximum Temperature	27.8	28.6	29.1	30.8	32.1	32.5	32.7	32.6	31.8	31.4	30.3	28.9
Minimum Temperature	22.1	22.1	22.4	23.4	24.3	23.6	23.2	23.9	22.6	22.3	22.6	21.7
Mean Temperature	25.0	25.4	25.7	27.1	28.2	28.1	27.9	28.3	27.2	26.9	26.4	25.3
Itbayat, Batanes												
Maximum Temperature	24.0	23.8	25.9	27.6	31.5	31.1	30.5	29.8	29.8	28.2	27.2	26.0
Minimum Temperature	18.3	18.3	18.9	20.9	24.0	24.7	24.6	24.3	24.1	22.2	22.2	20.9
Mean Temperature	21.1	21.0	22.4	24.2	27.8	27.9	27.5	27.0	26.9	25.2	24.7	23.4
Juban, Sorsogon												
Maximum Temperature	28.3	29.3	30.1	31.2	32.6	32.3	32.3	32.2	31.6	31.2	30.2	29.1
Minimum Temperature	22.7	22.4	22.4	23.2	23.7	24.6	24.8	25.2	24.0	22.9	23.1	23.6
Mean Temperature	25.5	25.8	26.2	27.2	28.1	28.4	28.6	28.7	27.8	27.1	26.7	26.4
Laoag City, Ilocos Norte												
Maximum Temperature	30.4	29.6	31.3	32.4	33.9	31.5	31.0	30.1	30.7	31.6	31.9	31.3
Minimum Temperature	21.9	21.8	21.5	23.7	25.4	24.9	24.5	24.5	24.1	23.4	22.4	22.5
Mean Temperature	26.1	25.7	26.4	28.1	29.6	28.2	27.7	27.3	27.4	27.5	27.1	26.9
Legazpi City, Albay												
Maximum Temperature	29.0	29.8	31.1	32.2	32.8	32.1	31.4	31.6	31.7	31.8	31.3	30.0
Minimum Temperature	24.3	24.3	24.4	25.5	26.2	26.0	25.7	26.0	25.2	24.8	25.1	25.0
Mean Temperature	26.7	27.1	27.7	28.8	29.5	29.1	28.5	28.8	28.5	28.3	28.2	27.5
Maasin, Southern Leyte												
Maximum Temperature	28.3	29.4	30.0	30.8	31.8	30.2	30.2	30.3	29.1	30.7	29.0	28.8
Minimum Temperature	23.6	23.7	23.6	24.4	25.0	24.6	24.3	24.4	24.1	24.2	23.5	23.8
Mean Temperature	25.9	26.5	26.8	27.6	28.4	27.4	27.3	27.3	26.6	27.5	26.3	26.3
Mactan International Airport, Cebu												
Maximum Temperature	30.1	30.7	31.4	32.2	33.3	32.6	32.6	32.9	32.0	32.1	30.9	30.4
Minimum Temperature	24.5	24.3	24.8	25.7	26.1	25.7	25.5	25.8	25.2	25.0	25.1	24.8
Mean Temperature	27.3	27.5	28.1	28.9	29.7	29.2	29.0	29.4	28.6	28.6	28.0	27.6
Malaybalay, Bukidnon												
Maximum Temperature	29.2	30.7	31.5	32.5	32.3	30.4	29.2	29.2	29.1	31.7	31.0	30.6
Minimum Temperature	19.7	19.9	18.6	19.7	20.7	20.4	20.5	19.9	20.0	19.5	19.8	19.8
Mean Temperature	24.4	25.3	25.1	26.1	26.5	25.4	24.8	24.6	24.5	25.6	25.4	25.2
Masbate, Masbate												
Maximum Temperature	29.2	29.8	30.8	32.0	33.5	32.1	32.0	32.3	31.4	32.1	31.6	29.8
Minimum Temperature	22.4	22.4	22.2	23.6	24.8	24.3	24.2	24.4	23.8	23.9	23.3	24.0
Mean Temperature	25.8	26.1	26.5	27.8	29.2	28.2	28.1	28.3	27.6	28.0	27.4	26.9
NAIA (MIA), Pasay City												
Maximum Temperature	30.9	31.6	32.6	34.5	36.1	31.8	30.4	30.9	31.3	32.8	32.7	31.0
Minimum Temperature	24.3	24.3	24.6	26.2	27.4	25.7	25.2	25.5	25.5	25.6	25.2	24.4
Mean Temperature	27.6	28.0	28.6	30.4	31.8	28.8	27.8	28.2	28.4	29.2	28.9	27.7
Port Area (MCO), Manila												
Maximum Temperature	30.4	31.1	31.7	33.2	34.8	31.5	30.2	30.7	31.6	32.5	32.1	30.4
Minimum Temperature	24.4	24.8	25.1	26.6	27.2	25.4	25.1	25.4	25.6	25.8	25.5	24.5
Mean Temperature	27.4	28.0	28.4	29.9	31.0	28.4	27.7	28.0	28.6	29.1	28.8	27.5
Puerto Princesa City, Palawan												
Maximum Temperature	30.4	31.1	32.4	32.5	33.2	31.9	31.4	31.5	31.0	32.5	31.3	31.8
Minimum Temperature	24.8	24.2	24.9	25.8	26.2	25.3	25.3	25.0	24.7	25.0	25.2	25.7
Mean Temperature	27.6	27.7	28.6	29.2	29.7	28.6	28.3	28.3	27.9	28.7	28.3	28.8
Romblon, Romblon												
Maximum Temperature	26.1	27.4	28.2	30.0	30.9	29.6	28.8	28.9	29.4	29.8	28.4	27.0
Minimum Temperature	23.5	23.6	24.0	25.0	25.8	25.2	24.5	25.0	24.9	25.0	24.7	24.1
Mean Temperature	24.8	25.5	26.1	27.5	28.4	27.4	26.7	26.9	27.1	27.4	26.6	25.5

Continued

Table 1.1.9 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2018
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	29.4	29.9	30.8	32.1	32.7	32.1	31.8	32.0	31.4	32.1	31.4	30.2
Minimum Temperature	25.5	25.3	26.0	26.6	26.8	25.9	25.8	25.8	25.7	26.3	26.2	25.9
Mean Temperature	27.4	27.6	28.4	29.3	29.8	29.0	28.8	28.9	28.5	29.2	28.8	28.0
San Jose, Occidental Mindoro												
Maximum Temperature	31.6	32.8	33.8	35.0	35.0	31.8	29.2	30.6	30.4	32.6	34.5	33.9
Minimum Temperature	22.0	21.4	21.4	22.9	23.0	22.3	21.8	22.5	21.6	21.4	22.1	22.3
Mean Temperature	26.8	27.1	27.6	29.0	29.0	27.0	25.5	26.6	26.0	27.0	28.3	28.1
Sangley Point, Cavite												
Maximum Temperature	30.3	31.6	32.1	34.3	35.5	31.6	30.4	31.2	31.8	33.1	32.4	30.6
Minimum Temperature	25.4	25.4	25.7	27.2	28.5	26.5	26.0	26.6	26.5	27.0	26.6	25.7
Mean Temperature	27.9	28.5	28.9	30.8	32.0	29.0	28.2	28.9	29.2	30.1	29.5	28.1
Science Garden, Quezon City												
Maximum Temperature	30.5	31.5	32.2	33.4	34.5	31.4	30.3	30.5	31.6	32.4	32.2	30.7
Minimum Temperature	22.8	22.7	23.1	24.2	25.2	24.9	25.0	25.3	24.6	24.2	23.7	23.2
Mean Temperature	26.6	27.1	27.6	28.8	29.9	28.1	27.7	27.9	28.1	28.3	27.9	26.9
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	30.4	29.0	30.5	31.8	33.1	30.7	30.3	29.2	30.4	30.8	31.4	30.9
Minimum Temperature	22.3	21.6	22.0	23.9	25.5	24.8	24.3	24.2	24.0	23.3	23.2	23.0
Mean Temperature	26.4	25.3	26.3	27.9	29.3	27.7	27.3	26.7	27.2	27.1	27.3	26.9
Surigao, Surigao Del Norte												
Maximum Temperature	30.0	30.6	31.7	31.8	33.1	33.5	33.5	33.8	33.3	33.2	31.2	30.7
Minimum Temperature	23.6	23.5	23.7	24.3	24.8	24.6	25.6	25.9	24.9	24.6	23.7	23.8
Mean Temperature	26.8	27.1	27.7	28.1	28.9	29.0	29.5	29.9	29.1	28.9	27.4	27.3
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	30.1	30.5	31.0	32.1	32.4	31.8	32.0	32.4	30.9	31.9	30.7	30.6
Minimum Temperature	23.4	23.0	23.1	23.6	24.1	24.8	24.8	24.5	24.4	23.7	23.2	23.4
Mean Temperature	26.8	26.8	27.1	27.9	28.2	28.3	28.4	28.5	27.6	27.8	27.0	27.0
Tacloban City, Leyte												
Maximum Temperature	29.3	29.8	30.9	31.4	31.6	32.0	32.1	32.8	32.7	32.4	30.5	29.8
Minimum Temperature	23.9	23.7	24.0	24.6	25.2	25.2	25.1	25.2	24.8	24.6	24.2	24.5
Mean Temperature	26.6	26.8	27.5	28.0	28.4	28.6	28.6	29.0	28.8	28.5	27.4	27.1
Tanay, Rizal												
Maximum Temperature	24.0	25.4	25.8	27.8	29.5	26.6	25.3	25.5	26.3	27.2	25.5	24.0
Minimum Temperature	17.1	17.0	17.4	19.0	20.6	19.5	18.8	18.5	20.9	21.0	20.4	20.2
Mean Temperature	20.5	21.2	21.6	23.4	25.1	23.0	22.1	22.0	23.6	24.1	23.0	22.1
Tayabas, Quezon												
Maximum Temperature	28.1	29.1	29.8	31.7	32.6	31.3	31.2	31.8	31.2	31.6	30.2	28.9
Minimum Temperature	22.3	22.4	22.8	24.0	25.0	24.3	23.1	23.6	22.8	23.4	23.4	23.0
Mean Temperature	25.2	25.7	26.3	27.8	28.8	27.8	27.2	27.7	27.0	27.5	26.8	26.0
Tuguegarao, Cagayan												
Maximum Temperature	28.1	29.3	32.0	34.9	37.8	35.3	33.5	32.9	33.2	32.0	31.3	29.2
Minimum Temperature	21.0	21.1	20.9	23.4	25.2	25.1	24.3	24.5	24.0	22.9	22.1	21.6
Mean Temperature	24.6	25.2	26.4	29.1	31.5	30.2	28.9	28.7	28.6	27.5	26.7	25.4
Virac Synop, Catanduanes												
Maximum Temperature	29.4	29.7	30.3	31.3	32.4	32.3	32.9	33.5	32.0	31.2	31.2	30.2
Minimum Temperature	23.0	23.2	23.1	23.6	24.7	25.1	25.1	25.4	24.5	23.7	23.4	23.7
Mean Temperature	26.2	26.5	26.7	27.4	28.5	28.7	29.0	29.4	28.3	27.5	27.3	27.0
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	32.7	33.4	34.1	33.8	33.6	32.9	33.1	33.0	32.3	32.6	33.4	33.3
Minimum Temperature	23.3	23.3	23.3	23.9	24.3	24.4	24.4	24.1	23.9	23.8	24.1	23.7
Mean Temperature	28.0	28.3	28.7	28.9	28.9	28.7	28.8	28.5	28.1	28.2	28.8	28.5

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.1.10
TEMPERATURE BY MONITORING STATION
2019
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon												
Maximum Temperature	28.8	29.3	31.1	33.1	34.4	33.9	32.6	32.1	31.9	31.0	30.6	29.8
Minimum Temperature	22.7	21.5	22.4	23.3	24.2	25.0	24.1	24.7	24.2	24.1	24.1	23.8
Mean Temperature	25.8	25.4	26.7	28.2	29.3	29.4	28.4	28.5	28.0	27.6	27.3	26.8
Ambulong, Batangas												
Maximum Temperature	29.9	31.0	33.1	35.0	34.7	34.9	32.7	31.3	31.6	32.9	31.8	30.7
Minimum Temperature	22.3	20.7	21.9	23.6	24.6	25.3	24.1	24.9	24.3	23.5	23.8	23.5
Mean Temperature	26.1	25.9	27.5	29.3	29.7	30.1	28.4	28.1	28.0	28.2	27.8	27.1
Aparri, Cagayan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Baguio City, Benguet												
Maximum Temperature	23.2	23.7	25.0	25.6	24.4	24.8	23.0	20.7	21.3	24.1	23.0	24.1
Minimum Temperature	12.8	12.5	14.5	16.6	16.8	17.2	16.4	16.5	16.0	15.5	15.1	14.2
Mean Temperature	18.0	18.1	19.7	21.1	20.6	21.0	19.7	18.6	18.7	19.8	19.0	19.1
Baler, Aurora (Radar)												
Maximum Temperature	28.1	29.0	30.9	31.3	31.9	32.5	32.0	32.6	31.4	31.7	29.9	29.1
Minimum Temperature	21.4	21.2	22.2	23.6	24.6	25.0	24.6	25.0	24.3	23.8	23.5	22.5
Mean Temperature	24.8	25.1	26.5	27.5	28.3	28.8	28.3	28.9	27.9	27.7	26.7	25.8
Basco, Batanes (Radar)												
Maximum Temperature	24.5	26.8	27.0	28.8	28.7	30.6	30.4	29.7	28.6	27.9	26.1	24.6
Minimum Temperature	20.2	21.8	21.9	23.9	23.8	25.7	25.4	24.3	23.7	23.1	21.5	20.3
Mean Temperature	22.3	24.3	24.4	26.4	26.2	28.2	27.9	27.0	26.1	25.5	23.8	22.5
Borongan, Eastern Samar												
Maximum Temperature	29.8	30.0	30.4	31.6	32.5	32.2	31.7	32.2	32.9	31.8	31.8	31.3
Minimum Temperature	23.8	22.5	22.5	23.9	24.7	24.6	24.2	24.5	24.6	23.9	24.5	24.2
Mean Temperature	26.8	26.2	26.5	27.8	28.6	28.4	28.0	28.3	28.7	27.9	28.2	27.7
Butuan City, Agusan Del Norte												
Maximum Temperature	30.0	30.8	31.4	32.9	34.2	33.7	32.4	33.4	33.2	33.0	32.1	31.3
Minimum Temperature	23.1	21.3	22.6	23.9	24.7	24.9	24.3	24.7	24.8	24.0	24.2	23.5
Mean Temperature	26.5	26.1	27.0	28.4	29.5	29.3	28.4	29.0	29.0	28.6	28.1	27.4
Cabanatuan, Nueva Ecija												
Maximum Temperature	30.2	30.7	32.0	34.6	35.3	34.5	32.5	31.3	31.3	33.6	32.0	31.9
Minimum Temperature	21.4	20.6	21.9	24.0	24.4	25.1	24.3	24.0	23.7	23.3	23.2	22.6
Mean Temperature	25.8	25.6	27.0	29.3	29.8	29.8	28.4	27.7	27.5	28.4	27.6	27.3
Calapan, Oriental Mindoro												
Maximum Temperature	30.2	31.4	32.3	33.0	34.3	33.5	32.6	32.2	32.2	32.7	32.3	31.3
Minimum Temperature	22.3	22.2	23.1	23.8	25.0	24.7	24.3	24.3	24.3	24.1	23.9	23.8
Mean Temperature	26.3	27.0	27.7	28.4	29.6	29.1	28.5	28.2	28.3	28.4	28.1	27.6
Calayan, Cagayan												
Maximum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Minimum Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Mean Temperature	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora												
Maximum Temperature	28.3	29.8	31.2	32.7	33.7	34.6	33.4	33.1	32.0	32.0	30.6	29.7
Minimum Temperature	20.9	19.9	20.9	23.5	24.9	25.3	24.9	25.2	24.2	23.0	23.2	22.4
Mean Temperature	24.6	24.8	26.0	28.1	29.3	30.0	29.1	29.2	28.1	27.5	26.8	26.0
Catarman, Northern Samar												
Maximum Temperature	28.9	29.8	30.7	31.4	33.6	32.7	32.2	32.3	33.0	31.6	31.4	30.3
Minimum Temperature	23.2	21.8	22.1	23.0	24.7	24.6	24.4	25.1	24.9	24.1	24.2	23.9
Mean Temperature	26.1	25.8	26.4	27.2	29.1	28.6	28.3	28.7	28.9	27.9	27.8	27.1
Catbalogan, Western Samar												
Maximum Temperature	31.0	31.7	33.6	34.8	35.1	34.1	33.1	33.5	33.6	33.5	33.1	32.6
Minimum Temperature	23.1	22.1	22.7	24.6	26.2	25.8	25.6	26.7	26.0	24.4	25.0	24.3
Mean Temperature	27.0	26.9	28.1	29.7	30.7	30.0	29.4	30.1	29.8	29.0	29.0	28.4

Continued

Table 1.1.10 *(Continued)*
TEMPERATURE BY MONITORING STATION
2019
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clark International Airport, Pampanga												
Maximum Temperature	29.7	31.4	33.7	34.8	33.7	34.0	31.5	30.3	30.8	32.4	31.2	30.7
Minimum Temperature	22.2	21.5	23.6	25.2	25.5	25.7	24.3	24.4	24.5	24.8	24.2	23.4
Mean Temperature	25.9	26.4	28.6	30.0	29.6	29.9	27.9	27.3	27.6	28.5	27.7	27.1
Coron, Palawan												
Maximum Temperature	33.3	32.5	32.9	34.1	33.2	32.4	30.9	30.5	31.7	32.8	32.0	31.8
Minimum Temperature	23.8	23.3	23.3	24.9	24.8	24.8	24.2	24.2	24.4	24.0	24.2	24.0
Mean Temperature	28.6	27.9	28.1	29.5	29.0	28.7	27.6	27.4	28.1	28.4	28.1	...
Cotabato City, Maguindanao												
Maximum Temperature	33.6	35.0	35.1	35.9	35.2	33.7	32.6	33.3	33.5	33.8	33.7	34.5
Minimum Temperature	23.1	22.9	23.4	23.8	23.7	23.4	22.6	22.7	23.2	23.2	23.4	23.2
Mean Temperature	28.3	28.9	29.3	29.9	29.4	28.5	27.6	28.0	28.4	28.5	28.5	28.9
Cubi Point, Subic Bay Olongapo City, Zambales												
Maximum Temperature	31.4	32.0	33.7	35.2	32.7	32.7	30.6	29.6	30.0	32.9	31.2	31.1
Minimum Temperature	22.1	21.7	23.1	25.5	25.4	25.2	24.4	24.7	24.4	24.3	24.0	23.1
Mean Temperature	26.8	26.9	28.4	30.4	29.0	29.0	27.5	27.1	27.1	28.6	27.6	27.1
Cuyo, Palawan												
Maximum Temperature	30.2	31.1	31.8	32.4	32.1	31.4	...	30.2	31.0	31.4	...	30.0
Minimum Temperature	25.2	24.8	25.4	26.4	26.7	26.2	25.5	26.0	26.1	26.2	...	27.2
Mean Temperature	27.7	27.9	28.6	29.4	29.4	28.8	27.8	28.1	28.6	28.8	...	28.6
Daet, Camarines Norte												
Maximum Temperature	29.0	29.2	30.7	32.5	33.1	33.6	32.3	32.3	31.9	31.6	30.7	29.9
Minimum Temperature	24.5	22.4	23.8	24.9	25.0	25.1	24.5	25.1	24.0	23.6	24.1	24.3
Mean Temperature	26.7	25.8	27.3	28.7	29.1	29.3	28.5	28.7	27.9	27.6	27.5	27.1
Dagupan City, Pangasinan												
Maximum Temperature	31.0	31.6	33.3	34.6	33.8	34.0	32.0	30.6	30.4	32.5	30.7	30.0
Minimum Temperature	21.2	21.0	22.7	24.9	25.3	25.5	24.8	24.5	25.0	24.9	24.5	23.5
Mean Temperature	26.1	26.3	28.0	29.7	29.6	29.7	28.4	27.6	27.7	28.7	27.6	26.8
Davao City, Davao Del Sur												
Maximum Temperature	30.9	32.4	32.9	33.7	33.4	32.9	31.4	32.3	32.3	33.2	33.5	32.3
Minimum Temperature	24.3	23.4	24.4	25.4	25.8	25.6	25.0	25.5	25.3	24.8	24.8	24.6
Mean Temperature	27.6	27.9	28.7	29.5	29.6	29.2	28.2	28.9	28.8	29.0	29.1	28.5
Dipolog, Zamboanga Del Norte												
Maximum Temperature	30.4	32.7	33.4	34.7	34.6	33.5	32.9	33.4	33.4	33.9	33.4	32.6
Minimum Temperature	24.8	23.7	23.9	25.6	24.7	24.8	24.0	24.2	24.0	24.0	23.7	24.2
Mean Temperature	27.6	28.2	28.7	30.1	29.7	29.1	28.4	28.8	28.7	28.9	28.6	28.4
Dumaguete City, Negros Oriental												
Maximum Temperature	29.1	29.5	30.2	31.2	33.2	32.7	31.6	32.5	32.3	31.5	31.3	30.6
Minimum Temperature	25.0	23.9	23.9	25.3	26.0	26.3	24.9	25.6	25.2	25.4	25.3	25.3
Mean Temperature	27.0	26.7	27.0	28.3	29.6	29.6	28.2	29.0	28.8	28.5	28.4	28.0
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)												
Maximum Temperature	30.3	30.7	30.9	32.0	33.3	33.3	31.8	33.5	32.9	31.9	32.0	31.5
Minimum Temperature	23.0	21.0	22.6	23.7	24.1	24.0	23.3	23.7	23.2	23.2	23.1	22.6
Mean Temperature	26.7	25.9	26.8	27.8	28.7	28.6	27.6	28.6	28.1	27.5	27.6	27.1
General Santos, South Cotabato												
Maximum Temperature	32.3	34.0	34.2	34.8	33.9	31.9	29.8	30.8	31.4	32.7	32.4	32.3
Minimum Temperature	22.4	21.7	22.6	23.0	23.5	23.4	22.4	22.5	22.5	22.5	22.5	22.9
Mean Temperature	27.4	27.8	28.4	28.9	28.8	27.7	26.2	26.7	27.0	27.7	27.4	27.6
Guiuan, Eastern Samar												
Maximum Temperature	29.2	30.1	31.3	32.7	35.9	32.9	32.4	33.1	33.0	32.5	31.8	30.6
Minimum Temperature	23.0	23.0	23.7	24.9	25.8	25.3	24.9	25.2	25.5	25.0	24.6	24.0
Mean Temperature	26.2	26.5	27.5	28.8	30.9	29.1	28.6	29.2	29.2	28.7	28.2	27.3
Hinatuan, Surigao Del Sur												
Maximum Temperature	29.0	29.2	29.8	30.7	33.3	32.9	32.9	34.2	33.5	31.8	32.3	30.6
Minimum Temperature	23.3	21.9	22.7	23.8	24.7	24.6	24.2	24.8	24.5	23.8	23.9	23.7
Mean Temperature	26.2	25.6	26.2	27.3	29.0	28.7	28.5	29.5	29.0	27.8	28.1	27.1

Continued

Table 1.1.10 *(Continued)*
TEMPERATURE BY MONITORING STATION
2019
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Iba, Zambales												
Maximum Temperature	30.3	30.4	32.3	33.7	32.8	32.2	30.7	29.7	29.7	32.1	31.0	30.9
Minimum Temperature	23.3	22.5	23.6	25.6	25.1	25.2	24.3	24.6	23.9	24.2	23.9	23.0
Mean Temperature	26.8	26.4	28.0	29.6	28.9	28.7	27.5	27.1	26.8	28.2	27.5	27.0
Infanta, Quezon												
Maximum Temperature	28.7	29.0	30.3	31.8	33.1	33.9	33.0	32.6	32.1	31.0	30.4	29.7
Minimum Temperature	22.4	21.7	22.4	24.4	24.6	26.1	24.4	25.5	24.5	24.4	23.6	23.8
Mean Temperature	25.5	25.4	26.4	28.1	28.8	30.0	28.7	29.1	28.3	27.7	27.0	26.8
Itbayat, Batanes												
Maximum Temperature	25.1	27.0	27.5	29.4	29.2	31.9	...	...	29.2	28.6	26.5	25.4
Minimum Temperature	19.6	20.5	20.7	22.8	23.2	24.9	25.0	...	23.5	22.4	20.6	19.2
Mean Temperature	22.3	23.8	24.1	26.1	26.2	28.3	...	...	26.4	25.6	23.5	22.3
Juban, Sorsogon												
Maximum Temperature	28.6	29.4	30.6	31.9	33.9	33.3	32.0	31.1	32.1	32.1	31.6	30.4
Minimum Temperature	22.5	20.9	20.9	22.4	24.0	24.6	23.8	24.5	24.4	23.1	23.5	23.1
Mean Temperature	25.5	25.1	25.7	27.2	29.0	28.9	27.9	27.8	28.3	27.6	27.6	26.8
Laoag City, Ilocos Norte												
Maximum Temperature	30.4	29.7	31.3	32.4	32.1	32.3	31.5	30.3	30.0	32.1	29.6	30.0
Minimum Temperature	20.2	20.2	22.3	24.4	24.4	25.4	24.5	25.0	24.0	23.5	23.7	22.4
Mean Temperature	25.3	24.9	26.8	28.7	28.5	28.9	28.0	27.7	27.0	27.8	26.7	26.1
Legazpi City, Albay												
Maximum Temperature	29.4	30.0	31.3	32.1	33.5	33.5	32.0	31.2	32.0	32.6	31.8	30.9
Minimum Temperature	24.1	23.3	24.0	25.5	26.2	26.6	25.5	26.0	25.8	24.7	25.4	25.5
Mean Temperature	26.7	26.6	27.7	28.8	29.8	30.0	28.8	28.6	28.9	28.7	28.6	28.2
Maasin, Southern Leyte												
Maximum Temperature	28.7	28.7	30.4	31.8	32.5	31.9	30.5	30.0	30.7	31.1	30.1	29.4
Minimum Temperature	23.5	22.5	23.5	24.8	25.3	25.4	24.4	25.1	24.7	24.0	24.2	23.7
Mean Temperature	26.1	25.6	26.9	28.3	28.9	28.6	27.5	27.5	27.7	27.5	27.2	26.6
Mactan International Airport, Cebu												
Maximum Temperature	29.7	29.8	31.3	32.7	34.5	34.1	32.0	32.3	32.9	32.2	31.9	30.8
Minimum Temperature	24.3	23.3	23.8	25.4	26.8	26.7	25.3	26.0	25.9	25.2	25.4	24.7
Mean Temperature	27.0	26.6	27.6	29.0	30.6	30.4	28.7	29.2	29.4	28.7	28.6	27.7
Malaybalay, Bukidnon												
Maximum Temperature	28.9	30.8	32.1	32.5	32.4	30.7	29.2	29.6	30.5	31.7	30.3	29.9
Minimum Temperature	19.5	17.0	18.6	19.8	20.5	21.3	20.5	20.3	19.4	20.0	19.7	18.3
Mean Temperature	24.2	23.9	25.3	26.1	26.5	26.0	24.9	25.0	25.0	25.8	25.0	24.1
Masbate, Masbate												
Maximum Temperature	29.4	30.6	32.0	32.9	32.9	33.1	31.6	31.5	32.0	32.4	31.8	30.6
Minimum Temperature	23.4	22.9	23.9	25.2	26.1	26.1	25.1	25.6	25.5	25.2	25.1	24.5
Mean Temperature	26.4	26.7	28.0	29.0	29.5	29.6	28.4	28.5	28.8	28.8	28.5	27.6
NAIA (MIA), Pasay City												
Maximum Temperature	31.0	31.4	33.4	35.5	34.6	34.5	32.2	30.6	31.2	33.0	31.7	31.9
Minimum Temperature	24.4	24.0	25.4	27.3	27.3	27.2	26.4	25.9	25.3	25.6	25.5	24.7
Mean Temperature	27.7	27.7	29.4	31.4	31.0	30.9	29.3	28.2	28.2	29.3	28.6	28.3
Port Area (MCO), Manila												
Maximum Temperature	30.4	30.9	32.5	34.7	33.5	33.9	31.8	30.4	30.9	32.5	31.3	31.4
Minimum Temperature	23.8	23.5	25.1	26.8	26.8	26.7	25.8	25.5	25.4	25.9	25.5	24.8
Mean Temperature	27.1	27.2	28.8	30.7	30.1	30.3	28.8	28.0	28.2	29.2	28.4	28.1
Puerto Princesa City, Palawan												
Maximum Temperature	30.8	30.8	31.7	33.0	33.5	32.4	31.2	31.7	32.1	32.0	32.0	31.9
Minimum Temperature	24.5	22.9	23.9	25.5	26.2	25.9	25.0	25.2	25.1	25.1	24.7	24.9
Mean Temperature	27.7	26.9	27.8	29.2	29.8	29.2	28.1	28.4	28.6	28.6	28.3	28.4
Romblon, Romblon												
Maximum Temperature	26.6	28.1	30.0	31.7	32.7	31.4	29.9	29.0	29.5	29.5	28.9	28.1
Minimum Temperature	23.2	22.7	23.7	25.0	26.4	26.3	25.4	25.1	25.2	25.0	24.6	24.0
Mean Temperature	24.9	25.4	26.8	28.3	29.5	28.8	27.6	27.0	27.3	27.2	26.9	26.1

Continued

Table 1.1.10 *(Concluded)*
TEMPERATURE BY MONITORING STATION
2019
(in degrees Celsius)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Roxas City, Capiz												
Maximum Temperature	29.4	29.9	31.2	32.3	33.9	33.1	31.7	31.3	32.2	31.7	31.4	30.5
Minimum Temperature	25.2	25.0	25.5	26.5	26.6	26.4	25.6	25.5	26.1	25.8	25.8	25.8
Mean Temperature	27.3	27.5	28.4	29.4	30.3	29.8	28.7	28.4	29.1	28.8	28.6	28.2
San Jose, Occidental Mindoro												
Maximum Temperature	33.2	34.1	35.0	37.0	35.3	35.0	32.5	31.7	32.1	33.4	32.7	32.7
Minimum Temperature	21.2	20.2	21.1	22.6	22.5	22.8	21.8	21.6	21.6	20.9	21.0	20.6
Mean Temperature	27.2	27.2	28.0	29.8	28.9	28.9	27.1	26.7	26.8	27.1	26.9	26.7
Sangley Point, Cavite												
Maximum Temperature	30.6	31.5	33.2	35.4	34.5	34.5	32.5	30.9	31.7	33.2	31.9	31.5
Minimum Temperature	24.9	24.6	25.5	27.3	27.6	27.4	26.4	26.3	25.9	26.5	25.9	25.4
Mean Temperature	27.8	28.0	29.3	31.4	31.0	31.0	29.4	28.6	28.8	29.8	28.9	28.4
Science Garden, Quezon City												
Maximum Temperature	30.6	31.5	33.0	34.8	33.9	33.9	32.0	30.4	30.9	32.3	31.5	31.7
Minimum Temperature	22.1	20.9	23.0	25.6	26.0	26.1	25.2	25.7	25.2	24.2	24.3	23.3
Mean Temperature	26.3	26.2	28.0	30.2	30.0	30.0	28.6	28.1	28.0	28.3	27.9	27.5
Sinait, Ilocos Sur (former Vigan Station)												
Maximum Temperature	29.7	29.4	30.9	32.3	31.8	32.0	31.2	29.8	29.8	31.3	29.4	29.7
Minimum Temperature	21.4	21.1	22.6	24.6	24.8	25.2	24.5	24.5	23.5	23.0	22.9	22.2
Mean Temperature	25.6	25.3	26.7	28.5	28.2	28.6	27.8	27.1	26.7	27.2	26.2	25.9
Surigao, Surigao Del Norte												
Maximum Temperature	31.0	31.4	31.7	32.0	34.3	33.7	32.6	33.4	33.8	31.9	31.8	31.0
Minimum Temperature	23.4	22.5	23.4	24.4	25.5	25.5	24.6	25.4	25.7	24.5	24.7	24.0
Mean Temperature	27.2	27.0	27.5	28.2	29.9	29.6	28.6	29.4	29.8	28.2	28.3	27.5
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)												
Maximum Temperature	29.7	29.8	30.7	32.3	32.8	32.4	31.3	31.8	31.9	31.9	31.6	31.1
Minimum Temperature	22.6	21.2	21.7	23.1	24.8	24.9	24.0	25.0	25.0	23.9	23.9	23.8
Mean Temperature	26.2	25.5	26.2	27.7	28.8	28.6	27.7	28.5	28.4	27.9	27.7	27.4
Tacloban City, Leyte												
Maximum Temperature	29.7	30.3	31.2	31.7	32.9	32.1	31.7	32.4	32.2	31.7	31.4	31.1
Minimum Temperature	23.5	22.4	22.8	24.8	25.6	25.8	25.4	26.2	25.8	25.2	25.4	24.8
Mean Temperature	26.6	26.4	27.0	28.2	29.3	29.0	28.5	29.3	29.0	28.4	28.4	27.9
Tanay, Rizal												
Maximum Temperature	23.3	24.3	26.8	29.1	29.3	28.5	26.9	25.0	25.5	26.7	25.9	24.8
Minimum Temperature	19.1	18.2	19.7	21.4	22.5	22.4	21.5	21.2	21.0	21.3	21.0	20.3
Mean Temperature	21.2	21.3	23.2	25.3	25.9	25.4	24.2	23.1	23.3	24.0	23.5	22.5
Tayabas, Quezon												
Maximum Temperature	27.8	29.4	31.3	32.8	33.2	33.0	31.7	31.4	31.4	31.0	30.2	29.1
Minimum Temperature	22.1	21.5	22.6	23.9	23.9	24.7	23.5	24.0	24.0	23.7	23.6	23.2
Mean Temperature	25.1	25.4	27.0	28.4	28.5	28.8	27.6	27.7	27.7	27.3	26.9	26.1
Tuguegarao, Cagayan												
Maximum Temperature	28.1	31.7	33.5	36.3	35.0	35.8	34.3	33.5	31.8	32.0	27.9	28.2
Minimum Temperature	19.7	19.4	21.7	24.4	24.4	25.4	24.5	24.7	23.8	22.8	22.4	21.3
Mean Temperature	23.9	25.6	27.6	30.3	29.7	30.6	29.4	29.1	27.8	27.4	25.1	24.8
Virac Synop, Catanduanes												
Maximum Temperature	28.8	29.5	30.5	31.0	32.5	32.4	31.6	31.6	31.6	31.1	31.1	30.3
Minimum Temperature	22.3	21.2	21.4	23.3	24.5	24.9	24.3	25.0	24.5	23.4	24.0	23.8
Mean Temperature	25.5	25.4	26.0	27.2	28.5	28.7	27.9	28.3	28.1	27.2	27.5	27.1
Zamboanga, Zamboanga Del Sur												
Maximum Temperature	32.6	32.8	33.5	33.5	34.0	33.6	32.3	33.6	33.5	33.4	34.1	33.7
Minimum Temperature	23.5	22.5	23.6	24.6	24.5	24.7	24.1	24.5	24.4	23.7	23.7	23.6
Mean Temperature	28.1	27.6	28.5	29.1	29.3	29.1	28.2	28.9	28.9	28.6	29.0	28.7

Note:
… no data
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.2
CLIMATOLOGICAL NORMALS OF PRECIPITATION BY MONTH, BY MONITORING STATION
1981 to 2010

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Alabat, Quezon												
Amount of Rainfall (in millimeters)	250.2	151.8	127.4	91.9	114.1	182.4	238.9	150.0	253.1	509.7	551.7	636.6
Number of Rainy Days	21	14	11	9	11	14	17	15	17	23	24	26
Ambulong, Batangas												
Amount of Rainfall (in millimeters)	22.7	16.0	21.5	35.0	116.6	228.7	329.6	286.9	255.0	218.4	144.7	92.0
Number of Rainy Days	5	3	3	4	10	16	19	18	17	15	13	9
Aparri, Cagayan												
Amount of Rainfall (in millimeters)	95.0	56.5	39.0	40.2	115.7	157.6	181.1	191.1	243.8	295.9	285.5	186.6
Number of Rainy Days	11	7	5	4	8	10	11	12	12	15	17	15
Baguio City, Benguet												
Amount of Rainfall (in millimeters)	15.2	23.4	46.0	104.1	341.1	475.8	781.9	905.0	570.9	454.3	97.4	26.2
Number of Rainy Days	3	3	5	9	20	22	26	27	24	17	8	4
Baler, Quezon												
Amount of Rainfall (in millimeters)	220.2	179.1	185.0	215.4	329.1	238.8	272.7	164.9	282.1	386.0	368.7	405.9
Number of Rainy Days	16	14	14	14	16	16	17	15	15	18	16	15
Basco, Batanes												
Amount of Rainfall (in millimeters)	130.1	122.1	58.3	47.6	224.6	234.6	223.5	304.6	350.8	281.2	272.0	96.8
Number of Rainy Days	17	12	10	6	12	14	16	19	20	18	19	14
Borongan, Easter Samar												
Amount of Rainfall (in millimeters)	613.7	345.4	312.6	225.5	207.2	233.4	249.9	146.4	189.9	347.3	508.4	674.8
Number of Rainy Days	27	19	19	18	15	17	17	14	16	21	23	26
Butuan City, Agusan del Norte												
Amount of Rainfall (in millimeters)	318.0	225.0	145.4	109.7	115.5	154.0	143.9	105.6	126.3	178.4	197.9	238.2
Number of Rainy Days	21	16	16	13	14	17	16	13	14	16	18	20
Cabanatuan, Nueva Ecija												
Amount of Rainfall (in millimeters)	16.9	16.6	18.4	47.4	179.1	193.7	371.1	372.0	320.4	186.4	90.0	42.9
Number of Rainy Days	2	2	2	4	13	16	22	24	21	12	8	5
Calapan, Oriental Mindoro												
Amount of Rainfall (in millimeters)	112.9	64.7	75.9	116.0	196.4	263.6	253.0	195.4	235.5	326.5	281.0	216.2
Number of Rainy Days	17	11	10	10	13	16	17	15	16	19	19	20
Calayan Island, Cagayan												
Amount of Rainfall (in millimeters)	170.6	126.2	49.4	58.0	159.2	170.9	209.1	228.4	318.5	375.4	335.1	219.5
Number of Rainy Days	17	11	7	5	8	8	11	15	16	18	18	18
Casiguran, Aurora												
Amount of Rainfall (in millimeters)	272.5	226.6	203.0	183.0	238.5	225.2	282.8	208.8	280.9	537.4	591.3	495.6
Number of Rainy Days	17	14	14	12	15	14	15	14	16	17	19	17
Catarman, Northern Samar												
Amount of Rainfall (in millimeters)	456.7	291.9	234.3	143.9	145.2	195.3	208.2	173.6	210.5	338.4	529.7	628.2
Number of Rainy Days	23	18	16	13	13	15	16	13	15	20	24	26
Catbalogan, Western Samar												
Amount of Rainfall (in millimeters)	240.4	197.4	162.7	118	167.8	220.3	274.2	198.3	270.5	305.7	334.9	322.7
Number of Rainy Days	20	15	16	13	15	19	19	15	18	21	22	22
Coron, Palawan												
Amount of Rainfall (in millimeters)	18.5	14	15.4	38.1	198.1	360.8	479.9	466.3	447.1	250.8	118.6	74
Number of Rainy Days	3	2	2	3	12	19	23	22	21	17	9	6

Continued

Table 1.2 *(Continued)*
CLIMATOLOGICAL NORMALS OF PRECIPITATION BY MONTH, BY MONITORING STATION
1981 to 2010

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Cotabato City												
Amount of Rainfall (in millimeters)	88.4	83.9	119.9	146.7	268.5	312.3	325.4	244.8	256.6	285.5	216.3	139.6
Number of Rainy Days	9	9	11	11	17	20	19	16	16	17	14	12
Cuyo, Palawan												
Amount of Rainfall (in millimeters)	7.4	3.1	19.8	41.6	193.1	327.3	402.9	391.2	341.5	302.8	112.3	52.5
Number of Rainy Days	1	1	1	3	13	19	21	19	20	16	6	4
Daet, Camarines Norte												
Amount of Rainfall (in millimeters)	266.3	180.1	150.4	131.3	138.5	183.9	237.1	165.4	257.9	496.3	542.9	588.4
Number of Rainy Days	22	15	13	10	12	14	16	15	17	23	25	25
Dagupan City, Pangasinan												
Amount of Rainfall (in millimeters)	6.7	10.7	22.2	60.4	209.8	337.9	499.6	581.3	368.4	215.9	53.9	14.1
Number of Rainy Days	1	1	2	5	12	17	21	22	20	11	5	2
Davao City, Davao Del Sur												
Amount of Rainfall (in millimeters)	140.3	109.4	108.4	124.7	158.7	186.7	165	170	170.4	174.8	138.1	112.6
Number of Rainy Days	14	12	11	11	16	18	16	15	15	16	16	14
Dipolog, Zamboanga del Norte												
Amount of Rainfall (in millimeters)	129.2	90.4	82.5	103.5	150.9	259.5	216.2	194.5	199.1	291.3	380.9	254.8
Number of Rainy Days	16	11	10	9	12	18	16	14	16	8	20	18
Dumaguete City, Negros Oriental												
Amount of Rainfall (in millimeters)	82	61.4	46.3	53.7	81.8	129.7	122.7	110.6	127.3	156.7	138.7	107.3
Number of Rainy Days	13	10	8	6	10	14	16	13	15	16	14	15
General Santos City, South Cotabato												
Amount of Rainfall (in millimeters)	79.4	59.5	51.4	58.3	75	118.1	107.9	91.3	87.8	91.1	75.3	64.6
Number of Rainy Days	10	8	7	7	11	13	13	13	11	12	10	10
Guiuan, Eastern Samar												
Amount of Rainfall (in millimeters)	371.3	276.7	218.8	125.7	141.2	185.6	211.5	160.6	177.4	290	406.7	440.1
Number of Rainy Days	23	19	18	16	15	16	16	13	15	19	22	25
Hinatuan, Surigao del Sur												
Amount of Rainfall (in millimeters)	776.3	547.6	448.3	318.7	252.9	258.1	218.9	186.7	206.5	270.9	424.9	555.1
Number of Rainy Days	25	22	23	19	18	17	16	13	15	17	20	23
Iba, Zambales												
Amount of Rainfall (in millimeters)	4.1	9.3	19.8	38.1	254.7	519.9	838.1	897.7	559.5	234.2	62.3	13.2
Number of Rainy Days	2	2	2	4	13	18	23	25	21	14	6	3
Infanta, Quezon												
Amount of Rainfall (in millimeters)	365.1	253	192.3	208.9	197.8	237.2	283.9	189.8	270.7	635.7	594.9	675.8
Number of Rainy Days	26	18	16	14	16	17	19	16	19	24	25	26
Itbayat, Batanes												
Amount of Rainfall (in millimeters)	156	84.6	69.8	57.2	243.7	253.8	269.1	450	344.1	299	239.1	141.6
Number of Rainy Days	17	12	10	7	11	12	14	19	17	17	18	16
Laoag City, Ilocos Norte												
Amount of Rainfall (in millimeters)	5.3	2.8	6	24.8	246.9	312.9	448.2	583.9	415.8	103.3	30.2	2.8
Number of Rainy Days	1	1	1	1	9	14	18	19	14	7	4	1
Legazpi City, Albay												
Amount of Rainfall (in millimeters)	311.7	236.4	193.8	171.2	186.6	230.5	259.8	222.5	285.9	333	480.3	520.2
Number of Rainy Days	21	15	17	15	15	17	20	18	19	21	23	23

Continued

Table 1.2 *(Continued)*
CLIMATOLOGICAL NORMALS OF PRECIPITATION BY MONTH, BY MONITORING STATION
1981 to 2010

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Lumbia Airport, Misamis Oriental												
Amount of Rainfall (in millimeters)	98.9	68	49.8	52.6	125	212.7	245.6	195.8	219.7	185.9	136	113.2
Number of Rainy Days	12	8	6	5	12	17	18	15	16	16	12	11
Mactan International Airport, Cebu												
Amount of Rainfall (in millimeters)	105.2	69.6	58.6	48.1	95	175.6	192.9	143.5	179.6	194.8	161.9	139.7
Number of Rainy Days	12	9	8	6	8	14	16	14	15	16	14	14
Maasin, Southern Leyte												
Amount of Rainfall (in millimeters)	211.3	143.3	114.3	64.2	85	127.3	173.6	177	213.4	198.3	193.9	226.1
Number of Rainy Days	17	13	12	8	8	12	16	14	15	17	17	17
Malaybalay, Bukidnon												
Amount of Rainfall (in millimeters)	142.5	106.1	112.5	115.6	224.8	313.5	323.3	294.4	315.7	314.7	176.1	130.7
Number of Rainy Days	16	13	13	12	18	23	24	22	24	23	18	16
Masbate, Masbate												
Amount of Rainfall (in millimeters)	169.3	101.8	86.9	54.1	118	155.7	227	178.1	212.6	233	254.9	258.9
Number of Rainy Days	16	12	11	7	9	14	18	17	18	18	18	20
NAIA (MAI), Pasay City												
Amount of Rainfall (in millimeters)	6.8	4.2	4	16	70.4	265.2	316.7	418.4	255.2	283.4	99	28.6
Number of Rainy Days	2	1	1	1	6	14	16	19	16	14	8	3
Port Area, Manila												
Amount of Rainfall (in millimeters)	17.3	14.2	15.8	23.7	147.2	253.5	420.5	432.4	355.1	234.8	121.7	67.4
Number of Rainy Days	4	3	3	4	10	17	21	21	20	17	12	7
Puerto Princesa, Palawan												
Amount of Rainfall (in millimeters)	36.4	23.7	37.3	54.2	118.4	171.1	153.5	185.4	170.1	216.1	211	150.1
Number of Rainy Days	5	3	4	7	12	17	18	18	17	19	15	11
Romblon, Romblon												
Amount of Rainfall (in millimeters)	99.2	63.4	59.37	68.2	147.3	233.1	260.5	210.3	259.9	320.3	270.1	211.8
Number of Rainy Days	13	8	8	7	10	16	18	16	17	19	18	17
Roxas City, Capiz												
Amount of Rainfall (in millimeters)	72.1	49.3	63.7	69.9	144.7	259	253.4	202.1	213.5	304.9	239.4	171.3
Number of Rainy Days	12	8	6	6	10	16	16	15	16	19	17	15
San Jose, Occidental Mindoro												
Amount of Rainfall (in millimeters)	8.4	11.7	11.1	26.8	170.5	377.7	457.5	475.6	406.7	252	106.5	55.9
Number of Rainy Days	3	2	2	3	10	17	21	22	20	16	9	5
Sangley Point, Cavite												
Amount of Rainfall (in millimeters)	16.9	11.1	9.4	18.5	139.1	264.5	422.4	457.2	341.8	224.3	110.5	62.7
Number of Rainy Days	4	2	2	2	9	15	20	21	19	15	11	7
Science Garden, Quezon City												
Amount of Rainfall (in millimeters)	18.5	14.6	24.8	40.4	186.7	316.5	493.3	504.2	451.2	296.6	148.8	78.7
Number of Rainy Days	4	3	4	5	12	18	22	23	22	18	14	8
Surigao, Surigao del Norte												
Amount of Rainfall (in millimeters)	609.4	446.4	326	219.1	139.6	142.1	171.1	133.9	171	240.7	467.3	585.2
Number of Rainy Days	26	21	21	17	13	14	15	12	15	19	22	25
Tacloban City, Leyte												
Amount of Rainfall (in millimeters)	323.9	238.4	184.4	115.2	144.1	184.6	186	160.9	173.7	243.9	318.2	386
Number of Rainy Days	22	17	17	14	14	17	17	15	16	20	22	23

Continued

Table 1.2 *(Concluded)*
CLIMATOLOGICAL NORMALS OF PRECIPITATION BY MONTH, BY MONITORING STATION
1981 to 2010

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Tagbilaran City, Bohol												
Amount of Rainfall (in millimeters)	101	79.6	76.6	67.5	81.5	128.2	126.7	116.3	126.5	176.3	178.9	153.6
Number of Rainy Days	14	11	11	9	10	15	15	13	14	18	18	16
Tayabas, Quezon												
Amount of Rainfall (in millimeters)	163	111.4	107.1	109.5	161.2	225.5	273.8	185.1	274.2	494.1	529.7	421
Number of Rainy Days	18	13	10	9	13	15	18	17	18	22	23	22
Tuguegarao, Cagayan												
Amount of Rainfall (in millimeters)	32.7	27.3	28.6	47.2	128.2	157.5	195.3	247.1	221.4	298.5	230	122.3
Number of Rainy Days	8	6	5	6	11	12	15	15	14	15	15	12
Vigan, Ilocos Sur												
Amount of Rainfall (in millimeters)	3.5	3.9	5.4	16.1	194.5	321.8	536.3	630.3	382.6	143.8	36.3	2.9
Number of Rainy Days	1	1	1	2	10	16	20	21	16	8	3	1
Virac Radar, Catanduanes												
Amount of Rainfall (in millimeters)	409.5	270.5	215.9	215.2	197.2	234.5	249.6	177.1	244.1	447	575.8	640.6
Number of Rainy Days	24	17	18	16	16	16	17	14	17	22	25	26
Virac Synop, Catanduanes												
Amount of Rainfall (in millimeters)	247.9	149.2	146.4	148.3	149.9	220.5	241.6	162.5	235.3	393.7	450	451.8
Number of Rainy Days	17	13	14	13	13	14	17	13	16	21	22	22
Zamboanga City, Zamboanga del Sur												
Amount of Rainfall (in millimeters)	49.7	43.7	56.3	69	90	149.1	152.6	144.9	144.9	178.9	120.6	66.8
Number of Rainy Days	7	6	7	8	12	16	14	13	13	14	13	10

Note: Data updating is every 30 years.
Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.1
AMOUNT OF RAINFALL BY MONITORING STATION
2010
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	243.0	2.8	99.7	35.0	23.2	87.2	…	283.0	265.6	368.6	636.3	564.1	2,608.5**
Ambulong, Batangas	6.5	1.0	6.5	11.5	30.0	147.6	398.2	136.0	67.0	279.5	84.2	45.4	1,213.4
Aparri, Cagayan	41.0	41.3	2.0	74.6	103.5	93.5	77.8	148.0	129.2	259.9	648.0	216.5	1,835.3
Baguio City, Benguet	0.0	0.0	15.3	148.6	242.6	254.0	543.7	536.6	296.8	920.1	226.4	47.4	3,231.5
Baler, Aurora (Radar)	337.5	122.7	...	...	...	250.9	675.4	257.6	199.7	312.0	553.9	65.6	2,775.3**
Basco, Batanes (Radar)	69.1	88.5	43.9	62.5	198.2	290.0	103.3	644.6	418.2	171.9	637.7	52.0	2,779.9
Borongan, Eastern Samar	660.8	88.7	262.4	186.3	38.8	109.3	316.7	217.6	300.5	541.1	581.6	814.9	4,118.7
Butuan City, Agusan Del Norte	510.1	69.2	122.9	123.8	120.5	66.4	124.0	197.9	49.3	136.3	110.6	143.2	1,774.2
Cabanatuan, Nueva Ecija	0.2	0.0	6.0	75.8	9.4	170.8	355.8	241.6	162.5	169.2	122.5	23.2	1,337.0
Calapan, Oriental Mindoro	56.2	1.1	84.2	76.0	76.2	209.1	440.0	174.7	369.4	580.5	528.1	163.6	2,759.1
Calayan, Cagayan	68.2	3.8	41.6	115.4	146.4	475.6	65.8	235.0	284.8	139.9	500.6	120.7	2,197.8
Casiguran, Aurora	274.8	31.4	...	294.4	74.4	137.7	523.2	250.5	203.0	...	1,065.9	...	2,855.3**
Catarman, Northern Samar	466.8	32.4	93.2	87.5	20.2	91.8	251.2	139.6	229.1	324.8	374.9	1,129.7	3,241.2
Catbalogan, Western	277.9	7.9	141.1	63.9	73.2	99.9	402.3	281.8	456.6	352.5	193.4	248.9	2,599.4
Clark International Airport, Pampanga	18.8	0.0	3.6	36.8	27.6	214.6	265.0	284.6	179.5	356.8	206.2	20.2	1,613.7
Coron, Palawan	16.6	0.0	0.0	2.6	31.4	140.7	210.9	417.6	197.5	366.8	269.7	63.5	1,717.3
Cotabato City,	150.0	94.8	51.4	155.9	468.0	293.3	384.5	239.4	302.4	505.5	274.0	263.2	3,182.4
Cubi Point, Subic Bay	2.1	0.0	4.2	9.5	84.6	216.5	347.0	474.8	277.1	401.6	59.6	41.2	1,918.2
Olongapo City, Zambales													
Cuyo, Palawan	0.0	0.0	9.2	1.2	46.4	...	...	416.6	139.9	293.6	...	64.2	971.1**
Daet, Camarines Norte	297.2	24.4	130.2	41.1	52.6	326.5	551.7	293.2	365.3	546.7	887.9	1,186.3	4,703.1
Dagupan City, Pangasinan	0.2	1.0	0.0	94.1	122.0	278.2	265.2	489.8	164.2	582.2	199.5	4.2	2,200.6
Davao City, Davao Del Sur	157.5	16.0	52.9	124.0	57.3	87.8	251.6	281.8	117.6	179.7	88.0	199.6	1,613.8
Dipolog, Zamboanga Del Norte	115.2	13.2	3.0	28.0	113.4	233.5	360.2	407.1	147.9	371.0	382.7	608.7	2,783.9
Dumaguete City, Negros Oriental	143.1	6.9	16.8	23.4	35.3	82.3	180.4	212.0	200.1	185.5	...	106.4	1,192.2**
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	152.2	0.4	23.3	16.4	153.5	155.3	353.2	212.0	258.8	280.1	62.8	131.9	1,799.9
General Santos, South Cotabato	181.6	12.6	31.8	59.6	210.3	38.2	168.8	73.8	51.5	85.0	49.5	156.3	1,119.0
Guiuan, Eastern Samar	464.2	62.2	78.7	99.4	53.1	101.1	257.3	249.3	374.3	381.6	421.0	527.6	3,069.8
Hinatuan, Surigao Del Sur	986.0	247.2	407.6	440.0	648.1	121.3	352.4	385.4	106.6	334.2	545.7	735.6	5,310.1
Iba, Zambales	0.4	0.0	6.4	27.4	107.0	315.6	284.7	787.4	356.3	461.2	112.5	0.0	2,458.9
Infanta, Quezon	179.1	31.3	142.8	75.4	102.9	138.0	679.5	242.6	238.9	415.9	932.6	753.8	3,932.8
Itbayat, Batanes	...	...	...	...	...	...	...	...	...	...	...	...	...
Juban, Sorsogon	...	...	...	...	0.0	...	...	249.2	253.8	488.0	541.3	1,168.6	2,700.9**
Laoag City, Ilocos Norte	0.0	0.0	0.0	37.6	292.0	292.2	268.5	452.0	341.3	105.9	48.4	0.0	1,837.9
Legazpi City, Albay	209.3	30.4	86.5	145.3	50.5	80.1	183.3	223.5	249.4	316.4	423.4	1,047.0	3,045.1
Maasin, Southern Leyte	192.8	23.9	29.8	21.6	21.1	47.1	79.7	153.4	200.4	150.8	81.1	113.0	1,114.7
Mactan International Airport, Cebu	80.6	16.0	11.7	30.5	2.4	200.6	344.3	203.4	189.0	289.2	222.6	116.6	1,706.9
Malaybalay, Bukidnon	131.9	75.3	32.7	48.4	122.1	416.5	317.2	474.3	349.0	605.8	61.8	191.5	2,826.5
Masbate, Masbate	186.4	12.0	30.5	10.2	56.8	53.3	258.5	212.2	121.3	248.6	130.1	238.6	1,558.5
NAIA (MIA), Pasay City	0.0	0.0	0.0	0.0	0.0	...	...	...	...	...	...	...	0.0
Port Area (MCO), Manila	6.0	0.0	6.2	13.7	13.8	348.1	347.3	312.6	362.1	289.4	197.8	65.2	1,962.2
Puerto Princesa City, Palawan	33.5	1.3	2.1	100.7	49.6	124.1	153.5	135.3	57.5	213.1	274.4	346.0	1,491.1
Romblon, Romblon	91.2	2.6	26.5	7.8	28.8	291.9	446.3	459.0	613.6	582.9	344.6	256.5	3,151.7
Roxas City, Capiz	55.0	7.0	10.0	36.5	73.0	160.5	445.5	346.0	306.0	424.0	255.5	335.2	2,454.2
San Jose, Occidental	9.3	0.0	0.3	0.0	22.4	115.0	324.7	276.7	76.7	336.4	98.9	20.2	1,280.6
Sangley Point, Cavite	5.8	0.0	10.4	45.4	36.8	151.2	355.9	375.2	291.8	444.7	240.9	98.0	2,056.1
Science Garden, Quezon	5.1	0.0	2.4	20.1	62.0	355.5	410.4	628.1	386.6	413.5	254.5	136.9	2,675.1
Sinait, Ilocos Sur (former Vigan Station)	0.0	0.0	0.0	10.4	258.1	242.8	170.0	472.0	390.5	...	18.3	...	1,562.1**
Surigao, Surigao Del Norte	1,002.4	198.8	120.1	165.4	84.2	33.4	254.3	208.4	48.7	202.4	176.6	390.0	2,884.7
Tagbilaran City, Bohol	100.4	20.9	31.2	89.5	47.3	148.8	164.3	137.8	206.5	305.1	140.6	282.6	1,675.0
Tacloban City, Leyte	403.8	21.5	91.4	80.1	91.4	107.7	239.2	170.2	140.6	325.2	204.0	259.7	2,134.8
Tanay, Rizal	40.4	2.4	17.2	24.6	61.4	132.2	317.7	311.1	223.0	244.8	311.5	189.9	1,876.2
Tayabas, Quezon	145.9	16.8	120.3	41.0	38.1	159.4	513.7	100.3	286.5	733.6	474.7	622.0	3,252.3
Tuguegarao, Cagayan	15.9	0.0	6.1	70.8	58.1	129.4	147.5	98.3	126.9	270.1	720.9	48.8	1,692.8
Virac Synop, Catanduanes	217.1	46.5	78.2	109.9	20.1	86.5	383.4	289.8	407.3	494.8	358.4	763.7	3,255.7
Zamboanga, Zamboanga Del Sur	73.1	13.8	79.8	123.4	81.8	115.9	234.5	193.6	180.2	186.1	149.1	103.5	1,534.8

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.2
AMOUNT OF RAINFALL BY MONITORING STATION
2011
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	...	...	...	...	...	...	...	...	...	...	...	...	...
Ambulong, Batangas	21.2	0.0	37.6	10.3	138.5	513.2	351.3	334.6	199.7	177.5	137.4	143.4	2,064.7
Aparri, Cagayan	134.2	29.0	133.4	52.0	194.0	102.0	137.0	149.0	269.7	353.0	352.0	596.0	2,501.3
Baguio City, Benguet	96.0	13.8	93.4	11.9	462.5	529.1	427.5	1,096.3	619.7	332.4	81.6	67.4	3,831.6
Baler, Aurora (Radar)	238.8	17.0	170.2	217.2	212.8	594.0	317.3	200.2	354.6	367.5	855.5	572.0	4,117.1
Basco, Batanes (Radar)	404.9	33.0	129.3	20.8	202.9	68.0	267.5	241.5	382.8	583.1	410.7	342.5	3,087.0
Borongan, Eastern Samar	1,428.8	448.1	1,360.2	318.8	426.4	397.6	330.6	207.4	138.5	391.6	697.4	832.5	6,977.9
Butuan City, Agusan Del Norte	735.3	512.8	336.9	70.9	167.0	255.6	192.2	132.5	93.2	271.3	157.2	343.9	3,268.8
Cabanatuan, Nueva Ecija	36.4	0.4	19.6	8.8	295.9	337.6	163.9	243.8	453.2	228.1	220.6	79.4	2,087.7
Calapan, Oriental Mindoro	93.8	32.2	63.0	65.5	189.7	421.0	268.4	353.3	103.4	393.4	393.2	405.1	2,782.0
Calayan, Cagayan	362.2	11.4	198.8	7.8	104.2	94.8	180.4	406.1	650.8	301.8	240.6	611.0	3,169.9
Casiguran, Aurora	471.4	88.0	338.2	373.7	314.1	219.5	498.6	183.2	501.3	662.7	985.7	1,103.7	5,740.1
Catarman, Northern Samar	1,524.2	511.1	1,516.7	273.3	855.9	273.7	442.4	158.3	86.3	224.2	495.8	721.4	7,083.3
Catbalogan, Western	1,004.2	135.1	823.6	173.9	669.6	236.6	467.1	245.5	455.9	408.5	231.2	387.4	5,238.6
Clark International Airport, Pampanga	8.0	24.2	41.0	9.6	240.7	513.0	406.0	323.3	415.6	180.3	172.1	103.1	2,436.9
Coron, Palawan	39.1	33.9	4.7	16.4	216.7	344.6	403.9	592.0	625.4	302.1	45.7	144.5	2,769.0
Cotabato City,	130.9	212.9	220.2	76.3	272.7	456.5	346.1	291.1	196.5	291.2	177.9	120.9	2,793.2
Cubi Point, Subic Bay	2.1	0.0	3.4	0.1	337.0	1,327.0	957.9	1,170.9	1,277.0	272.6	91.3	23.7	5,463.0
Olongapo City, Zambales													
Cuyo, Palawan	39.2	34.8	13.6	26.6	219.8	238.6	420.0	219.0	285.4	252.4	83.8	201.4	2,034.6
Daet, Camarines Norte	386.3	616.9	424.7	81.2	607.6	155.3	593.9	129.3	365.0	362.0	713.0	657.7	5,092.9
Dagupan City, Pangasinan	1.0	12.0	5.6	48.6	309.7	747.2	403.2	820.9	419.3	167.7	101.7	28.6	3,065.5
Davao City, Davao Del Sur	231.8	144.9	97.2	225.7	175.9	243.2	205.1	261.5	304.9	177.6	116.9	160.4	2,345.1
Dipolog, Zamboanga Del Norte	265.2	318.7	344.4	120.3	310.8	249.5	211.3	231.0	162.8	351.5	556.5	442.2	3,564.2
Dumaguete City, Negros Oriental	158.4	140.4	180.1	19.4	212.6	265.1	204.8	158.9	125.5	130.8	145.2	336.5	2,077.7
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	180.8	166.2	131.3	34.9	118.3	231.8	182.5	226.8	232.3	209.5	115.8	333.6	2,163.8
General Santos, South Cotabato	79.3	77.4	66.0	57.8	101.6	89.9	50.8	137.9	85.3	83.2	42.1	72.3	943.6
Guiuan, Eastern Samar	932.3	590.9	983.8	178.1	269.0	361.5	268.6	162.8	295.0	328.5	541.4	571.4	5,483.3
Hinatuan, Surigao Del Sur	1,596.4	1,126.8	862.6	326.0	448.8	357.8	449.7	436.6	231.4	325.2	735.7	1,197.2	8,094.2
Iba, Zambales	0.6	21.2	7.4	39.2	704.4	1,224.1	868.8	1,055.3	766.0	273.2	31.1	54.1	5,045.4
Infanta, Quezon	595.8	266.1	481.8	144.4	134.5	412.5	250.7	214.0	102.7	595.9	976.9	1,010.0	5,185.3
Itbayat, Batanes	281.8	60.8	40.5	24.8	152.4	149.4	274.7	327.6	185.9	496.1	386.4	292.4	2,672.8
Juban, Sorsogon	959.3	257.7	978.6	221.9	670.0	398.7	532.6	...	194.9	450.6	719.4	877.2	6,260.9**
Laoag City, Ilocos Norte	16.2	10.4	2.9	0.0	74.2	275.6	298.9	861.8	895.6	53.4	25.6	21.6	2,536.2
Legazpi City, Albay	701.2	80.5	496.6	119.1	371.3	538.8	722.8	293.9	337.2	257.6	541.5	739.3	5,199.8
Maasin, Southern Leyte	1,143.5	335.0	741.7	62.7	216.3	248.1	241.1	270.1	282.5	354.6	176.6	443.8	4,516.0
Mactan International Airport, Cebu	405.9	107.3	127.3	15.2	107.5	216.8	245.6	275.5	137.9	227.9	87.8	411.0	2,365.7
Malaybalay, Bukidnon	380.5	269.5	113.4	72.9	419.7	379.6	494.9	517.9	279.6	263.2	253.7	301.4	3,746.3
Masbate, Masbate	494.2	83.1	431.8	84.3	408.8	198.5	271.3	107.0	139.3	141.5	222.4	270.3	2,852.5
NAIA (MIA), Pasay City	64.0	1.0	69.0	6.0	346.0	583.2	298.0	306.5	287.5	188.0	151.5	156.0	2,456.7
Port Area (MCO), Manila	87.1	0.5	36.1	3.2	201.6	879.3	554.3	512.7	316.0	259.3	212.3	185.9	3,248.3
Puerto Princesa City, Palawan	197.0	61.5	125.1	59.5	277.5	122.9	165.8	156.3	224.0	102.1	111.1	306.6	1,909.4
Romblon, Romblon	212.8	71.5	234.4	106.6	248.9	...	468.2	418.5	207.3	373.5	298.5	337.9	2,978.1**
Roxas City, Capiz	150.5	14.0	195.0	23.0	199.5	237.0	150.0	268.5	115.0	480.5	253.5	271.0	2,357.5
San Jose, Occidental	29.9	2.4	11.4	6.6	320.0	523.3	725.5	783.3	619.8	274.6	96.0	89.4	3,482.2
Sangley Point, Cavite	69.7	0.0	48.0	3.0	251.7	744.5	393.1	486.6	423.1	172.1	156.2	198.5	2,946.5
Science Garden, Quezon	155.3	0.2	32.8	3.6	312.3	724.7	548.2	634.4	446.4	284.6	271.3	219.9	3,633.7
Sinait, Ilocos Sur (former Vigan Station)	2.0	11.6	...	0.0	76.9	576.4	286.2	658.0	450.5	47.4	16.2	16.5	2,141.7**
Surigao, Surigao Del Norte	1,812.4	983.3	1,239.0	334.8	193.4	261.5	111.2	86.8	173.0	242.8	311.5	794.1	6,543.8
Tagbilaran City, Bohol	337.9	140.6	289.5	50.3	165.8	204.0	169.8	105.6	176.8	142.0	82.4	232.8	2,097.5
Tacloban City, Leyte	960.8	301.7	1,274.4	143.7	229.7	245.0	224.5	121.6	163.5	190.7	296.9	616.3	4,768.8
Tanay, Rizal	128.0	12.2	137.3	25.9	243.0	570.6	304.5	455.2	516.8	228.7	364.1	355.1	3,341.4
Tayabas, Quezon	170.1	72.7	207.1	116.3	168.6	408.4	191.3	157.2	236.1	358.8	601.2	456.2	3,144.0
Tuguegarao, Cagayan	67.7	6.1	19.5	21.3	291.3	25.7	121.3	425.6	297.6	279.9	388.0	330.7	2,274.7
Virac Synop, Catanduanes	480.4	112.7	386.6	60.4	526.4	351.4	592.5	185.8	349.8	227.9	802.4	536.8	4,613.1
Zamboanga, Zamboanga Del Sur	180.7	151.0	144.2	42.7	108.2	50.9	84.5	111.0	83.2	125.5	83.0	70.6	1,235.5

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.3
AMOUNT OF RAINFALL BY MONITORING STATION
2012
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	322.9	375.4	399.7	16.5	266.4	46.1	597.7	75.8	200.1	302.2	177.4	370.3	3,150.5
Ambulong, Batangas	51.7	43.4	66.7	0.0	119.5	210.7	673.7	603.5	280.1	377.3	28.4	21.2	2,476.2
Aparri, Cagayan	64.0	83.0	91.5	58.0	148.5	235.0	213.0	233.5	110.0	175.0	246.5	163.5	1,821.5
Baguio City, Benguet	17.5	80.8	151.9	72.6	187.7	659.0	1,020.0	2,200.7	288.3	72.4	57.8	10.8	4,819.5
Baler, Aurora (Radar)	166.8	290.9	464.3	139.7	151.4	39.8	322.5	181.3	648.4	687.2	244.0	287.8	3,624.1
Basco, Batanes (Radar)	195.2	88.6	112.0	118.0	198.7	225.0	602.6	294.3	281.3	15.4	126.3	237.5	2,494.9
Borongan, Eastern Samar	866.2	660.5	797.9	246.0	80.5	310.3	183.1	70.1	180.5	362.5	395.0	602.9	4,755.5
Butuan City, Agusan Del Norte	273.6	331.4	114.3	204.8	92.8	154.4	197.6	69.7	162.5	146.4	291.1	170.8	2,209.4
Cabanatuan, Nueva Ecija	27.6	21.7	31.3	3.3	96.9	350.3	312.6	534.9	381.1	245.2	18.5	29.6	2,053.0
Calapan, Oriental Mindoro	135.6	171.7	320.0	154.8	11.0	68.1	509.4	259.1	257.7	442.4	88.7	200.6	2,619.1
Calayan, Cagayan	116.2	124.8	227.2	36.2	177.6	197.8	390.8	229.4	163.2	102.0	73.6	376.0	2,214.8
Casiguran, Aurora	197.9	728.3	662.3	132.9	179.3	86.7	356.6	103.7	285.2	443.4	279.6	610.3	4,066.2
Catarman, Northern Samar	668.9	423.2	526.9	147.8	188.9	132.4	359.1	42.7	342.4	355.3	303.7	409.9	3,901.2
Catbalogan, Western	456.8	372.3	430.2	127.8	143.5	261.7	415.7	18.7	438.0	435.7	294.9	248.7	3,644.0
Clark International Airport, Pampanga	11.2	17.3	38.5	13.8	222.7	197.3	676.6	738.7	420.9	276.1	22.6	4.0	2,639.7
Coron, Palawan	48.8	27.9	97.1	92.4	297.6	680.2	696.0	421.9	436.2	196.5	2.0	42.8	3,039.4
Cotabato City,	122.1	204.0	55.9	296.6	216.5	290.1	444.6	218.8	448.3	306.0	148.0	94.7	2,845.6
Cubi Point, Subic Bay	3.2	13.6	10.1	13.0	255.5	1,027.8	1,053.8	1,795.0	575.4	214.0	1.4	2.6	4,965.4
Olongapo City, Zambales													
Cuyo, Palawan	0.0	42.4	266.6	73.2	...	...	486.8	175.8	344.4	56.4	20.6	72.2	1,538.4**
Daet, Camarines Norte	781.7	439.0	497.0	145.1	171.1	121.2	346.3	68.2	300.9	393.4	246.4	323.2	3,833.5
Dagupan City, Pangasinan	4.6	19.5	57.0	44.6	240.1	684.8	640.4	994.6	386.7	49.6	2.3	4.6	3,128.8
Davao City, Davao Del Sur	130.7	204.4	154.4	125.0	155.7	172.4	223.7	211.4	92.0	154.1	126.5	247.6	1,997.9
Dipolog, Zamboanga Del Norte	110.9	528.1	277.9	261.6	59.0	262.9	478.8	113.0	292.8	442.7	391.4	161.6	3,380.7
Dumaguete City, Negros Oriental	91.0	101.0	145.9	96.1	39.1	72.3	270.8	65.1	131.3	122.9	60.6	201.3	1,397.4
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	24.2	122.9	67.4	75.1	152.7	144.9	273.7	174.6	200.3	185.2	42.3	207.0	1,670.3
General Santos, South Cotabato	61.4	157.0	102.4	48.9	90.4	97.6	73.0	93.5	69.2	157.4	67.4	96.5	1,114.7
Guiuan, Eastern Samar	583.1	522.1	412.6	81.3	69.6	81.1	212.6	11.8	287.7	346.9	389.7	322.8	3,321.3
Hinatuan, Surigao Del Sur	1,056.9	685.5	366.6	732.6	198.1	217.0	378.2	158.3	325.5	378.8	727.4	558.4	5,783.3
Iba, Zambales	43.5	8.2	13.2	28.7	165.8	1,104.3	1,031.2	2,108.2	460.0	103.6	3.2	6.2	5,076.1
Infanta, Quezon	485.7	999.6	594.4	117.9	314.0	49.2	409.9	212.1	385.9	383.3	338.3	383.7	4,674.0
Itbayat, Batanes	102.4	87.0	80.0	112.7	222.0	125.7	464.7	406.7	110.2	16.4	209.9	238.3	2,176.0
Juban, Sorsogon	827.7	679.1	849.2	221.2	119.3	209.4	346.9	126.2	209.3	420.8	378.6	620.4	5,008.1
Laoag City, Ilocos Norte	14.5	0.4	1.2	16.2	170.3	741.3	523.4	906.5	131.7	24.0	0.0	21.4	2,550.9
Legazpi City, Albay	444.5	724.2	614.3	106.5	219.5	182.9	488.8	78.0	205.1	450.1	433.9	581.2	4,529.0
Maasin, Southern Leyte	228.2	530.0	167.3	48.8	186.1	173.9	257.8	81.1	367.7	464.9	265.4	311.2	3,082.4
Mactan International Airport, Cebu	202.6	224.9	143.2	51.2	95.2	72.2	358.6	31.8	400.2	141.5	71.1	145.0	1,937.5
Malaybalay, Bukidnon	181.4	139.4	203.0	103.0	518.7	366.3	441.5	227.0	310.2	175.5	111.3	301.6	3,078.9
Masbate, Masbate	163.2	179.0	245.5	20.8	85.4	149.4	268.4	60.6	248.0	240.4	115.7	210.7	1,987.1
NAIA (MIA), Pasay City	29.5	87.5	55.5	4.5	125.0	...	...	...	472.0	278.5	7.0	14.5	1,074.0**
Port Area (MCO), Manila	36.3	89.5	89.2	24.4	244.6	220.8	591.8	1,145.9	665.7	361.2	44.9	58.1	3,572.4
Puerto Princesa City, Palawan	44.7	189.1	33.5	79.6	132.2	141.4	279.1	109.6	263.8	199.2	123.4	77.1	1,672.7
Romblon, Romblon	339.5	210.4	327.2	69.2	101.1	176.2	568.6	290.7	218.8	548.0	83.4	158.2	3,091.3
Roxas City, Capiz	122.0	98.5	182.5	66.5	245.0	156.0	506.5	68.0	305.0	133.5	216.5	91.5	2,191.5
San Jose, Occidental	56.3	13.4	64.3	25.2	284.4	530.4	648.9	597.1	414.6	155.4	1.8	34.5	2,826.3
Sangley Point, Cavite	25.2	104.2	88.5	10.5	294.3	232.0	748.0	1,186.3	591.5	308.0	12.7	11.4	3,612.6
Science Garden, Quezon	41.2	128.6	195.5	2.0	327.7	313.2	886.4	1,387.2	736.1	339.1	26.7	48.0	4,431.7
Sinait, Ilocos Sur (former Vigan Station)	2.0	0.5	6.0	9.3	233.9	647.6	624.9	1,038.2	192.4	29.3	0.2	8.7	2,793.0
Surigao, Surigao Del Norte	509.4	799.2	264.0	271.3	23.1	52.1	134.6	79.0	395.9	468.4	522.7	343.4	3,863.1
Tagbilaran City, Bohol	123.5	116.4	207.6	134.5	81.1	200.7	171.8	7.6	259.4	256.0	103.8	82.2	1,744.6
Tacloban City, Leyte	578.5	507.6	401.8	96.3	231.7	124.0	136.1	36.3	378.7	326.5	259.3	368.4	3,445.2
Tanay, Rizal	98.2	174.9	155.6	9.4	232.3	326.9	847.4	1,035.8	520.6	292.6	60.4	152.4	3,906.5
Tayabas, Quezon	185.3	249.9	256.8	64.7	236.4	38.5	409.8	121.6	382.2	382.7	169.8	249.2	2,746.9
Tuguegarao, Cagayan	65.3	93.8	72.8	46.1	136.7	310.9	235.5	296.1	117.9	295.6	52.2	88.7	1,811.6
Virac Synop, Catanduanes	573.9	342.7	399.0	126.6	56.8	96.4	257.4	25.8	435.2	213.2	298.9	445.5	3,271.4
Zamboanga, Zamboanga Del Sur	162.6	203.0	55.8	116.9	42.2	54.4	168.5	85.5	297.6	231.4	131.7	77.4	1,627.0

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.4
AMOUNT OF RAINFALL BY MONITORING STATION
2013
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	189.1	216.0	69.8	4.4	73.5	290.4	384.3	181.0	213.3	379.1	749.5	450.1	3,200.5
Ambulong, Batangas	46.2	122.0	20.5	42.4	230.3	386.1	285.9	524.7	815.8	121.1	225.2	49.1	2,869.3
Aparri, Cagayan	68.5	17.5	11.5	10.5	63.5	40.5	95.0	134.7	268.0	547.5	173.5	157.0	1,587.7
Baguio City, Benguet	11.4	26.8	63.6	70.3	338.7	232.8	368.2	1,220.4	590.1	240.0	53.5	23.6	3,239.4
Baler, Aurora (Radar)	204.7	430.9	331.6	238.0	198.2	296.6	616.4	291.9	364.2	232.7	441.2	678.7	4,325.1
Basco, Batanes (Radar)	218.4	59.2	39.8	66.1	135.0	83.2	146.2	392.1	592.2	59.3	161.8	141.4	2,094.7
Borongan, Eastern Samar	731.7	681.7	423.7	158.4	207.6	314.6	498.9	238.9	50.0	167.8	643.4	931.6	5,048.3
Butuan City, Agusan Del Norte	511.4	275.6	179.1	111.4	100.1	287.7	105.3	200.5	19.5	138.3	232.2	130.0	2,291.1
Cabanatuan, Nueva Ecija	0.6	8.0	15.2	74.5	73.4	305.7	219.3	465.3	337.7	206.4	100.9	27.1	1,834.1
Calapan, Oriental Mindoro	128.3	187.5	175.1	62.0	253.2	397.5	470.7	293.4	275.8	104.1	558.8	228.4	3,134.8
Calayan, Cagayan	168.5	40.6	6.2	44.0	144.6	70.8	251.0	394.2	1,170.2	250.8	137.6	344.0	3,022.5
Casiguran, Aurora	345.5	458.4	253.4	90.7	124.9	314.9	712.2	456.9	191.0	308.7	960.0	1,226.7	5,443.3
Catarman, Northern Samar	382.8	438.5	459.9	47.9	70.8	355.9	214.0	230.6	137.6	151.9	511.9	373.5	3,375.3
Catbalogan, Western Samar	456.7	292.1	131.0	63.1	170.0	575.1	261.7	276.3	273.2	211.1	299.2	373.5	3,383.0
Clark International Airport, Pampanga	7.9	30.4	51.7	41.1	129.5	211.4	268.1	736.5	385.9	379.4	43.0	35.6	2,320.5
Coron, Palawan	14.1	3.7	0.0	30.4	134.7	525.0	368.8	328.8	745.7	337.1	...	140.0	2,628.3**
Cotabato City, Maguindanao	130.3	149.2	90.2	163.2	115.1	238.9	393.4	185.7	145.0	280.5	196.5	91.1	2,179.1
Cubi Point, Subic Bay	3.7	13.3	60.4	0.0	42.3	583.3	360.4	1,092.4	1,175.2	174.7	19.9	17.7	3,543.3
Olongapo City, Zambales													
Cuyo, Palawan	2.0	25.8	4.0	63.0	230.4	227.0	366.4	421.0	381.0	65.8	172.4	48.2	2,007.0
Daet, Camarines Norte	254.4	216.3	113.8	16.4	77.2	258.3	330.5	227.9	111.0	376.0	712.5	670.1	3,364.4
Dagupan City, Pangasinan	9.2	1.2	71.5	108.8	170.4	135.5	235.3	1,135.0	552.2	104.9	13.6	19.7	2,557.3
Davao City, Davao Del Sur	430.5	212.0	60.0	124.1	128.9	186.4	129.1	185.6	112.3	357.4	192.6	67.3	2,186.2
Dipolog, Zamboanga Del Norte	463.9	323.6	163.3	171.1	298.7	228.4	349.5	260.0	156.6	414.2	559.2	334.2	3,722.7
Dumaguete City, Negros Oriental	118.3	73.0	49.9	42.4	40.4	121.1	233.6	113.7	71.7	133.6	223.9	27.4	1,249.0
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	211.1	91.3	61.2	89.3	201.1	310.4	268.2	211.4	162.0	...	...	...	1,606.0**
General Santos, South Cotabato	198.8	81.7	11.8	48.0	47.6	107.2	142.3	107.6	104.7	133.5	127.1	67.3	1,177.6
Guiuan, Eastern Samar	450.4	314.4	168.6	135.7	146.3	286.9	220.1	211.2	162.4	169.0	354.1	449.2	3,068.3
Hinatuan, Surigao Del Sur	1,077.8	666.6	380.4	474.7	266.7	385.9	384.0	393.2	46.8	377.3	528.8	387.9	5,370.1
Iba, Zambales	0.2	16.3	8.1	37.4	65.7	647.2	300.1	1,341.9	907.8	250.4	2.0	8.6	3,585.7
Infanta, Quezon	477.3	345.4	254.3	21.3	189.3	306.6	626.2	...	300.7	243.6	747.5	809.4	4,321.6**
Itbayat, Batanes	180.6	54.1	20.3	69.4	126.8	86.6	248.6	398.5	420.4	52.1	117.3	179.5	1,954.2
Juban, Sorsogon	531.8	460.6	396.8	51.6	78.0	341.6	331.4	323.8	358.6	381.3	618.6	563.0	4,437.1
Laoag City, Ilocos Norte	7.6	0.0	0.0	98.6	186.2	203.7	145.4	752.1	376.5	174.6	8.1	41.7	1,994.5
Legazpi City, Albay	439.5	283.5	198.1	49.8	113.9	286.8	344.3	310.1	248.0	171.2	658.0	452.6	3,555.8
Maasin, Southern Leyte	329.1	380.4	47.2	23.8	132.9	226.4	319.3	384.0	125.8	169.6	377.4	124.5	2,640.4
Mactan International Airport, Cebu	124.7	145.6	3.8	15.8	157.1	322.7	280.7	218.0	63.2	111.7	156.7	56.0	1,656.0
Malaybalay, Bukidnon	409.1	222.9	105.9	234.9	184.8	313.5	326.8	313.4	159.5	325.8	250.0	86.2	2,932.8
Masbate, Masbate	206.3	195.8	93.8	2.8	111.0	420.0	224.0	155.3	186.2	179.1	238.2	189.1	2,201.6
NAIA (MIA), Pasay City	53.5	76.0	27.0	34.5	68.0	256.0	156.5	926.5	712.0	277.8	99.0	38.0	2,724.8
Port Area (MCO), Manila	29.4	70.0	76.5	11.5	74.7	327.8	318.1	1,056.7	700.4	263.6	112.7	57.0	3,098.4
Puerto Princesa City, Palawan	145.7	4.5	0.6	93.5	134.4	274.3	318.0	124.0	105.0	288.1	448.4	65.8	2,002.3
Romblon, Romblon	183.8	327.8	45.4	4.6	149.8	162.3	538.1	365.2	195.6	66.4	261.1	258.0	2,558.1
Roxas City, Capiz	78.5	176.0	13.8	15.5	125.5	440.7	404.3	192.0	288.3	153.5	223.0	373.7	2,484.8
San Jose, Occidental Mindoro	15.4	36.3	2.4	77.0	138.3	516.0	450.1	471.9	509.8	223.5	118.3	8.2	2,567.2
Sangley Point, Cavite	37.6	110.0	58.4	1.4	47.4	290.9	533.0	1,339.5	977.2	246.3	130.2	28.8	3,800.7
Science Garden, Quezon City	47.0	89.0	132.1	47.5	169.9	552.8	222.0	972.4	684.2	356.7	89.8	116.2	3,479.6
Sinait, Ilocos Sur (former Vigan Station)	7.7	0.0	0.3	36.0	115.3	285.1	259.6	1,137.8	411.7	124.7	31.7	51.6	2,461.5
Surigao, Surigao Del Norte	800.8	436.8	239.1	112.1	83.0	271.5	126.7	501.6	75.9	201.7	728.7	400.8	3,978.7
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	202.5	154.5	62.4	...	63.4	98.0	299.4	236.8	104.4	81.8	319.3	67.8	1,690.3**
Tacloban City, Leyte	352.4	396.6	188.5	50.7	99.2	411.7	137.9	219.0	94.9	180.2	...	...	2,131.1**
Tanay, Rizal	98.8	153.7	27.1	7.0	114.6	386.5	263.8	714.9	582.7	236.7	385.9	64.4	3,036.1
Tayabas, Quezon	225.6	225.9	74.6	2.0	132.6	474.8	402.9	288.3	344.3	282.9	682.1	211.1	3,347.1
Tuguegarao, Cagayan	43.2	27.8	66.5	195.7	79.4	157.5	141.5	156.1	206.8	203.2	298.2	99.8	1,675.7
Virac Synop, Catanduanes	238.4	183.4	175.2	59.8	242.8	302.0	348.4	282.3	114.0	283.0	589.6	613.0	3,431.9
Zamboanga, Zamboanga Del Sur	150.1	63.7	21.1	70.3	182.7	148.2	224.3	105.9	84.5	630.2	161.3	96.1	1,938.4

Notes:
** means annual values with missing months
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.5
AMOUNT OF RAINFALL BY MONITORING STATION
2014
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	120.4	94.2	123.1	25.8	50.8	95.3	298.2	166.3	437.4	439.7	686.9	889.6	3,427.7
Ambulong, Batangas	0.5	0.0	28.1	22.4	154.6	78.9	406.7	212.5	321.5	223.5	43.0	326.8	1,818.5
Aparri, Cagayan	62.5	22.5	7.5	2.5	32.5	197.0	358.5	138.0	239.5	114.0	41.0	206.0	1,421.5
Baguio City, Benguet	0.0	0.0	5.9	126.3	213.0	401.7	444.2	531.9	985.4	107.1	39.2	9.5	2,864.2
Baler, Aurora (Radar)	33.9	134.2	342.7	108.0	112.3	42.2	140.7	251.3	294.1	366.3	167.6	204.7	2,198.0
Basco, Batanes (Radar)	55.0	24.1	20.1	65.1	70.9	321.3	174.0	162.0	154.0	68.1	122.1	136.7	1,373.4
Borongan, Eastern Samar	1,184.5	181.5	437.8	559.9	114.8	266.2	207.8	120.4	334.0	355.6	553.3	1,366.5	5,682.3
Butuan City, Agusan Del Norte	721.4	72.7	258.8	57.4	100.8	145.7	149.2	131.4	225.8	82.7	167.5	416.9	2,530.3
Cabanatuan, Nueva Ecija	0.0	1.4	7.4	15.3	36.5	206.1	320.3	244.4	305.2	177.4	25.4	39.2	1,378.6
Calapan, Oriental Mindoro	51.8	22.8	32.0	19.4	194.9	154.4	219.1	192.7	223.2	299.6	95.6	386.6	1,892.1
Calayan, Cagayan	214.8	64.2	23.3	24.0	...	145.4	180.3	148.6	197.4	55.6	129.4	275.6	1,458.6**
Casiguran, Aurora	108.4	49.2	413.1	67.7	39.6	70.8	189.7	283.4	255.4	539.0	481.5	606.5	3,104.3
Catarman, Northern Samar	734.5	200.3	414.7	387.8	31.5	371.8	428.1	286.9	286.3	479.5	448.3	1,052.2	5,121.9
Catbalogan, Western Samar	451.9	44.1	226.7	319.0	83.7	333.3	532.6	305.5	518.7	314.8	273.3	1,139.7	4,543.3
Clark International Airport, Pampanga	0.0	24.0	1.8	26.6	163.3	320.1	417.4	308.8	271.9	101.8	20.2	34.9	1,690.8
Coron, Palawan	4.2	50.4	1.0	69.8	23.9	389.5	130.3	1,013.9	916.4	284.1	26.8	39.0	2,949.3
Cotabato City, Maguindanao	91.5	49.8	99.4	50.6	168.4	208.6	286.5	250.5	218.6	247.3	132.4	77.4	1,881.0
Cubi Point, Subic Bay Olongapo City, Zambales	0.0	1.3	0.3	46.3	27.5	614.1	959.8	605.6	642.3	185.6	26.0	52.0	3,160.8
Cuyo, Palawan	49.4	0.6	4.0	35.2	98.2	488.4	646.6	333.2	395.4	255.2	74.6	121.4	2,502.2
Daet, Camarines Norte	149.8	77.5	74.6	53.0	21.4	115.1	330.6	278.9	560.0	541.8	393.7	729.5	3,325.9
Dagupan City, Pangasinan	0.0	0.0	1.6	185.0	227.7	441.8	604.3	451.7	870.0	143.1	1.6	23.4	2,950.2
Davao City, Davao Del Sur	285.3	23.8	235.3	150.5	94.7	134.3	50.1	163.7	175.2	338.9	179.9	122.6	1,954.3
Dipolog, Zamboanga Del Norte	379.3	118.6	44.4	92.0	211.8	151.8	326.5	158.5	115.2	280.8	276.2	159.9	2,315.0
Dumaguete City, Negros Oriental	186.1	68.0	261.9	41.9	155.2	130.1	153.4	71.8	162.8	239.7	394.9	170.1	2,035.9
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	498.6	39.9	84.0	158.5	37.2	195.8	305.6	409.9	232.7	76.7	94.2	137.1	2,270.2
General Santos, South Cotabato	256.8	51.7	99.5	46.3	30.7	130.3	140.5	62.8	108.1	53.6	76.5	45.6	1,102.4
Guiuan, Eastern Samar	742.6	108.5	159.2	448.4	140.6	178.6	169.4	222.0	234.5	405.4	226.2	479.2	3,514.6
Hinatuan, Surigao Del Sur	1,372.1	331.8	534.1	77.7	272.6	117.2	166.8	173.2	189.7	145.1	242.5	1,039.3	4,662.1
Iba, Zambales	0.0	12.0	0.0	5.6	45.2	731.8	1,027.7	632.8	1,046.4	143.6	48.8	19.4	3,713.3
Infanta, Quezon	176.7	74.0	169.7	62.1	127.7	37.7	127.7	336.8	140.7	755.9	428.4	517.9	2,955.3
Itbayat, Batanes	27.6	33.7	7.2	9.8	105.4	389.0	161.8	102.6	301.4	123.1	118.6	119.2	1,499.4
Juban, Sorsogon	393.4	182.4	418.4	189.8	32.8	312.4	545.7	154.0	274.4	363.5	372.8	1,155.4	4,395.0
Laoag City, Ilocos Norte	0.0	4.4	0.0	0.0	0.3	516.8	266.8	325.2	646.2	11.7	4.2	0.0	1,775.6
Legazpi City, Albay	114.3	47.8	322.3	120.5	32.6	156.1	443.1	264.1	342.0	303.9	324.4	825.1	3,296.2
Maasin, Southern Leyte	705.4	103.8	391.5	137.5	53.0	355.9	331.5	355.0	295.2	282.9	172.3	511.8	3,695.8
Mactan International Airport, Cebu	270.7	10.2	98.8	67.8	63.3	164.9	246.5	262.1	...	317.1	115.8	173.1	1,790.3**
Malaybalay, Bukidnon	385.3	84.4	132.8	69.5	109.9	281.3	265.1	475.7	169.5	195.4	320.6	259.3	2,748.8
Masbate, Masbate	213.9	42.1	80.7	64.2	0.0	178.5	365.7	131.6	296.2	244.0	140.3	606.7	2,363.9
NAIA (MIA), Pasay City	0.0	3.0	7.0	0.0	64.5	193.5	380.5	244.0	424.5	227.0	34.0	120.5	1,698.5
Port Area (MCO), Manila	0.0	3.5	19.6	8.8	91.4	123.5	349.8	321.2	468.7	349.1	43.7	140.3	1,919.6
Puerto Princesa City, Palawan	40.7	75.6	22.4	14.7	22.2	123.6	288.3	113.9	174.4	209.8	162.3	125.2	1,373.1
Romblon, Romblon	...	...	...	...	...	...	...	...	...	...	...	...	...
Roxas City, Capiz	101.1	43.4	63.1	69.5	40.8	299.3	186.2	241.3	219.5	234.5	86.0	344.0	1,928.7
San Jose, Occidental Mindoro	10.3	3.0	2.4	98.4	41.7	583.6	800.4	114.0	778.6	268.0	16.6	54.0	2,771.0
Sangley Point, Cavite	0.4	3.3	7.2	1.2	84.5	321.4	523.4	296.8	460.3	212.9	27.8	163.2	2,102.4
Science Garden, Quezon City	0.0	0.8	21.6	22.6	107.2	242.9	478.0	412.1	727.2	404.0	94.6	150.5	2,661.5
Sinait, Ilocos Sur (former Vigan Station)	0.0	1.7	0.0	0.0	23.0	563.6	520.6	486.0	661.6	29.0	0.0	1.9	2,287.4
Surigao, Surigao Del Norte	1,285.9	299.9	678.0	203.4	54.2	147.0	149.7	131.1	171.2	289.4	398.2	678.7	4,486.7
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	289.5	57.8	163.6	27.6	9.0	79.8	129.4	107.8	107.6	162.3	255.9	362.2	1,752.5
Tacloban City, Leyte	...	...	...	...	...	...	241.9	167.2	206.9	220.0	155.8	825.1	1,816.9*
Tanay, Rizal	11.9	4.8	39.8	3.4	46.0	276.9	519.4	312.7	631.7	292.8	117.6	265.8	2,522.8
Tayabas, Quezon	30.0	21.2	91.1	20.5	83.6	167.1	337.4	247.3	293.1	609.4	332.2	700.9	2,933.8
Tuguegarao, Cagayan	6.4	20.1	15.7	75.1	54.4	185.8	158.4	139.6	302.9	185.1	93.8	99.1	1,336.4
Virac Synop, Catanduanes	98.6	28.6	140.8	107.0	39.3	260.0	321.5	105.1	622.1	335.3	273.9	615.6	2,947.8
Zamboanga, Zamboanga Del Sur	38.5	21.6	122.4	14.7	60.9	43.1	109.4	110.8	166.4	306.2	13.4	46.7	1,054.1

Notes:
** means annual values with missing months
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.6
AMOUNT OF RAINFALL BY MONITORING STATION
2015
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	238.8	147.5	81.4	63.9	29.0	143.2	90.3	159.0	245.9	261.5	383.1	539.0	2,382.6
Ambulong, Batangas	50.8	5.0	15.2	0.0	11.7	159.7	309.1	265.3	243.8	230.2	43.4	292.5	1,626.7
Aparri, Cagayan	77.5	63.6	27.5	37.8	95.0	50.3	166.6	446.3	30.3	412.0	79.9	308.7	1,795.5
Baguio City, Benguet	11.3	7.3	57.1	122.0	245.5	282.5	1,493.9	1,031.6	263.6	1,212.2	8.0	167.1	4,902.1
Baler, Aurora (Radar)	96.5	120.8	154.1	160.0	76.6	140.0	122.6	51.8	320.7	285.1	132.7	1,028.8	2,689.7
Basco, Batanes (Radar)	100.8	28.7	26.9	137.4	181.7	22.0	92.7	238.5	100.4	363.9	130.2	93.0	1,516.2
Borongan, Eastern Samar	615.0	237.1	132.4	160.9	93.7	278.0	72.2	78.0	166.3	165.7	495.3	271.3	2,765.9
Butuan City, Agusan Del Norte	331.5	63.3	40.6	25.9	69.8	172.1	130.2	59.3	141.0	124.6	294.7	242.2	1,695.2
Cabanatuan, Nueva Ecija	19.3	0.0	1.5	20.6	65.1	177.6	404.0	364.1	215.9	310.6	2.5	523.2	2,104.4
Calapan, Oriental Mindoro	131.1	48.2	29.9	78.5	24.4	201.0	173.2	252.3	129.3	70.5	125.9	400.8	1,665.1
Calayan, Cagayan	72.0	105.7	41.3	40.0	81.6	70.2	226.8	753.4	52.0	333.8	97.6	329.2	2,203.6
Casiguran, Aurora	173.4	260.6	325.6	84.8	97.6	137.5	115.9	69.5	167.2	548.5	243.6	1,014.0	3,238.2
Catarman, Northern Samar	603.5	96.3	160.3	162.4	22.5	151.2	106.1	161.3	161.1	216.5	285.9	548.4	2,675.5
Catbalogan, Western Samar	396.2	36.7	63.8	82.4	23.9	297.9	151.2	159.3	185.5	94.5	192.1	149.7	1,833.2
Clark International Airport, Pampanga	6.6	2.6	0.8	52.7	152.8	227.3	557.1	388.0	220.0	317.5	1.7	253.3	2,180.4
Coron, Palawan	4.0	0.4	8.2	0.2	20.3	263.1	480.8	518.6	460.2	187.8	1.6	33.0	1,978.2
Cotabato City, Maguindanao	88.9	42.7	11.6	63.6	73.9	164.9	155.4	220.6	283.4	110.1	146.7	35.8	1,397.6
Cubi Point, Subic Bay Olongapo City, Zambales	1.5	0.0	0.0	4.0	54.5	181.5	672.1	502.3	261.1	255.0	0.0	230.1	2,162.1
Cuyo, Palawan	3.0	0.0	...	0.0	158.6	286.4	212.2	258.2	247.6	157.6	...	...	1,323.6**
Daet, Camarines Norte	393.9	182.5	69.1	124.0	82.3	151.2	163.6	104.0	172.0	313.8	289.5	...	2,045.9**
Dagupan City, Pangasinan	3.0	0.0	19.2	59.6	...	246.1	1,087.9	352.6	435.3	361.2	0.0	136.4	2,701.3**
Davao City, Davao Del Sur	205.7	36.4	19.0	125.4	164.7	224.2	149.9	45.9	91.5	275.2	93.3	63.3	1,494.5
Dipolog, Zamboanga Del Norte	83.4	42.6	7.3	35.4	25.1	195.6	60.2	77.0	302.6	143.7	255.6	91.3	1,319.8
Dumaguete City, Negros Oriental	71.1	41.5	1.9	12.0	1.8	100.4	197.1	117.5	164.0	70.8	60.5	68.2	906.8
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	189.7	6.8	3.4	66.4	40.4	179.8	111.9	47.2	192.3	162.7	37.9	81.5	1,120.0
General Santos, South Cotabato	67.3	0.5	3.6	28.3	36.4	188.8	86.9	96.8	52.1	26.4	74.7	15.8	677.6
Guiuan, Eastern Samar	523.8	63.0	38.1	41.7	25.1	454.2	55.8	79.4	134.7	107.8	196.4	276.9	1,996.9
Hinatuan, Surigao Del Sur	695.8	391.8	233.8	156.3	...	297.8	157.1	...	344.8	155.6	755.0	375.9	3,563.9**
Iba, Zambales	3.6	1.0	9.2	69.6	56.4	282.2	1,085.7	692.5	398.3	468.2	0.0	134.9	3,201.6
Infanta, Quezon	199.3	168.7	189.6	43.9	55.4	111.1	109.4	113.5	182.4	337.8	295.2	1,008.2	2,814.5
Itbayat, Batanes	80.1	45.8	74.5	87.4	358.0	8.4	306.8	217.4	35.9	291.7	226.8	73.3	1,806.1
Juban, Sorsogon	457.8	152.3	179.6	116.4	26.5	79.3	153.3	137.0	215.7	179.1	548.7	668.8	2,914.5
Laoag City, Ilocos Norte	0.0	1.6	0.0	10.0	84.5	147.4	601.9	722.0	105.2	148.0	0.0	24.4	1,845.0
Legazpi City, Albay	403.5	135.7	150.1	74.4	89.2	307.7	203.6	169.8	238.3	245.5	436.5	556.5	3,010.8
Maasin, Southern Leyte	423.9	53.7	24.6	4.8	28.8	302.0	203.6	210.8	194.2	272.5	169.1	291.7	2,179.7
Mactan International Airport, Cebu	81.5	87.9	34.7	42.4	18.0	227.7	152.1	194.7	228.2	125.9	34.0	98.4	1,325.5
Malaybalay, Bukidnon	229.1	73.6	23.0	67.0	...	268.1	303.5	324.8	358.0	75.9	128.8	158.9	2,010.7**
Masbate, Masbate	178.2	17.6	39.5	31.4	0.5	134.8	141.6	147.2	132.8	95.4	91.2	264.0	1,274.2
NAIA (MIA), Pasay City	25.0	0.5	7.0	0.0	32.5	91.0	297.5	241.0	268.0	221.0	14.0	294.5	1,492.0
Port Area (MCO), Manila	24.5	2.4	6.5	4.5	112.9	156.5	553.1	285.9	434.6	149.6	42.4	292.3	2,065.2
Puerto Princesa City, Palawan	8.8	0.4	0.0	21.5	57.4	85.0	290.0	142.5	304.8	48.5	109.4	31.6	1,099.9
Romblon, Romblon	48.6	48.0	88.3	35.8	63.8	122.8	242.8	244.1	142.0	257.2	108.7	340.1	1,742.2
Roxas City, Capiz	64.0	24.0	26.5	27.0	6.0	196.0	310.5	207.5	327.0	...	61.0	75.5	1,325.0**
San Jose, Occidental Mindoro	4.0	0.5	18.6	0.7	25.7	131.5	371.0	568.2	350.6	184.8	3.7	66.8	1,726.1
Sangley Point, Cavite	31.8	1.0	7.8	0.0	10.2	166.8	352.8	312.6	359.2	188.0	9.2	294.7	1,734.1
Science Garden, Quezon City	29.0	2.7	6.6	64.8	74.6	329.5	715.4	459.3	471.9	223.6	16.2	295.8	2,689.4
Sinait, Ilocos Sur (former Vigan Station)	0.3	0.3	0.2	3.5	17.4	46.5	1,009.1	587.0	98.8	248.2	0.0	20.6	2,031.9
Surigao, Surigao Del Norte	834.3	171.8	99.7	151.6	48.3	336.7	34.2	147.0	308.6	156.2	531.7	366.7	3,186.8
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	121.1	18.0	8.2	21.0	6.4	117.1	111.2	72.4	282.6	131.2	91.9	152.5	1,133.6
Tacloban City, Leyte	419.8	142.2	66.7	64.6	5.0	274.5	...	143.4	254.4	86.4	304.6	468.7	2,230.3**
Tanay, Rizal	72.7	10.0	36.8	9.0	34.4	93.3	472.6	359.3	320.2	359.0	61.0	380.6	2,208.9
Tayabas, Quezon	124.2	66.7	59.8	17.7	19.2	156.3	123.3	162.2	306.6	334.6	443.9	544.6	2,359.1
Tuguegarao, Cagayan	65.3	8.9	32.9	52.0	178.8	52.7	206.9	248.4	47.2	298.5	31.6	228.4	1,451.6
Virac Synop, Catanduanes	252.4	228.4	122.8	156.4	92.4	104.7	189.0	168.1	326.2	365.6	234.3	339.1	2,579.4
Zamboanga, Zamboanga Del Sur	17.6	18.3	1.8	30.6	30.3	231.1	...	135.3	324.6	120.7	66.4	7.9	984.6**

Notes:
** means annual values with missing months
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.7
AMOUNT OF RAINFALL BY MONITORING STATION
2016
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	236.4	335.6	315.8	19.2	54.7	177.1	104.2	30.7	215.8	448.5	698.0	854.7	3,490.7
Ambulong, Batangas	18.7	45.3	10.2	8.2	101.4	95.6	225.5	375.4	167.0	312.3	162.1	187.3	1,709.0
Aparri, Cagayan	52.7	162.1	41.1	0.0	115.3	112.1	302.4	91.9	212.5	278.0	324.0	372.8	2,064.9
Baguio City, Benguet	5.2	4.2	9.4	62.0	213.3	176.3	426.8	955.6	412.1	583.2	23.2	82.0	2,953.3
Baler, Aurora (Radar)	148.4	157.4	187.4	169.6	293.7	325.1	140.4	133.6	288.4	470.6	619.1	452.4	3,386.1
Basco, Batanes (Radar)	164.8	108.4	32.8	12.5	203.3	128.7	215.7	502.7	630.8	361.4	309.6	178.4	2,849.1
Borongan, Eastern Samar	178.5	378.0	86.4	57.1	358.2	286.6	212.7	101.8	258.7	267.2	755.5	751.8	3,692.5
Butuan City, Agusan Del Norte	21.0	80.5	3.6	30.6	136.0	320.0	242.3	54.3	232.4	209.6	304.0	152.4	1,786.7
Cabanatuan, Nueva Ecija	1.9	3.2	1.7	38.8	248.1	179.2	147.5	333.8	200.4	306.1	78.6	12.4	1,551.7
Calapan, Oriental Mindoro	66.4	83.2	39.3	88.8	89.1	240.0	83.6	121.8	144.2	299.9	457.4	441.2	2,154.9
Calayan, Cagayan	196.6	141.8	87.6	11.6	99.0	126.8	223.8	348.2	332.8	275.3	482.6	618.4	2,944.5
Casiguran, Aurora	253.8	194.4	116.5	87.9	201.0	190.5	156.4	119.3	118.2	668.9	814.6	856.4	3,777.9
Catarman, Northern	328.4	342.9	61.4	38.7	66.8	236.5	474.2	62.9	182.7	535.6	...	764.9	3,095.0**
Catbalogan, Western	85.3	121.3	27.1	47.5	82.2	182.2	473.1	84.3	144.7	367.7	342.5	298.5	2,256.4
Clark International Airport, Pampanga	7.0	9.0	0.5	19.0	126.4	228.0	230.1	514.3	288.5	382.8	53.5	31.6	1,890.7
Coron, Palawan	1.4	171.2	0.0	4.6	94.8	171.0	365.4	904.4	564.0	396.2	253.2	77.0	3,003.2
Cotabato City,	2.8	31.5	15.6	92.9	205.5	265.4	233.7	288.3	257.3	331.5	184.9	68.5	1,977.9
Cubi Point, Subic Bay Olongapo City, Zambales	5.8	0.7	0.0	0.5	111.2	157.1	1,148.0	1,219.5	858.6	521.2	2.0	49.2	4,073.8
Cuyo, Palawan	0.0	0.0	0.0	0.0	121.6	303.9	381.2	504.6	363.0	358.0	131.2	137.0	2,300.5
Daet, Camarines Norte	281.5	310.3	381.3	34.7	41.2	...	186.8	...	244.5	711.9	521.5	775.0	3,488.7**
Dagupan City, Pangasinan	3.0	1.4	2.4	77.2	208.3	169.9	422.5	1,281.7	342.3	535.2	9.9	33.6	3,087.4
Davao City, Davao Del Sur	14.2	63.8	39.8	41.8	101.3	188.7	68.6	34.6	227.2	387.0	206.4	137.0	1,510.4
Dipolog, Zamboanga Del Norte	25.9	20.9	0.0	86.1	142.3	287.0	105.1	198.4	171.0	620.3	228.8	303.0	2,188.8
Dumaguete City, Negros Oriental	24.8	18.6	0.0	0.0	52.4	187.5	63.4	60.4	88.9	131.2	186.3	74.9	888.4
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	4.5	2.7	0.0	0.0	114.3	337.8	112.9	178.1	235.9	184.4	110.0	170.3	1,450.9
General Santos, South Cotabato	14.4	4.1	0.0	1.0	71.7	95.5	85.2	38.9	78.1	116.4	128.5	60.3	694.1
Guiuan, Eastern Samar	255.0	171.2	53.3	41.2	111.9	163.4	286.1	41.6	171.3	257.0	681.5	213.7	2,447.2
Hinatuan, Surigao Del Sur	263.2	533.6	175.4	264.7	291.4	280.5	260.9	118.5	265.4	529.1	512.6	621.9	4,117.2
Iba, Zambales	1.5	0.0	0.0	0.0	231.4	263.6	1,315.3	0.0	492.7	570.4	141.9	39.0	3,055.8
Infanta, Quezon	161.0	332.9	266.3	58.5	192.3	286.3	92.2	187.6	239.0	484.8	447.4	856.3	3,604.6
Itbayat, Batanes	375.4	113.2	44.5	18.5	132.4	170.2	425.3	262.4	724.5	520.9	237.5	109.9	3,134.7
Juban, Sorsogon	320.9	394.0	130.6	31.8	73.5	161.2	151.9	171.8	268.1	472.2	717.4	626.4	3,519.8
Laoag City, Ilocos Norte	6.0	4.0	1.6	0.0	181.6	158.6	282.6	1,032.6	360.6	206.1	75.7	11.7	2,321.1
Legazpi City, Albay	123.5	332.5	140.7	88.3	79.0	195.6	211.8	132.3	197.6	572.8	449.7	621.5	3,145.3
Maasin, Southern Leyte	191.0	119.0	2.0	66.6	105.4	122.4	373.2	169.4	340.6	474.8	603.6	198.0	2,766.0
Mactan International Airport, Cebu	116.4	90.6	4.3	1.2	166.1	214.2	378.6	21.0	240.3	401.2	159.7	193.7	1,987.3
Malaybalay, Bukidnon	53.3	17.0	5.7	32.6	300.4	352.9	439.4	282.0	350.5	234.0	220.0	279.1	2,566.9
Masbate, Masbate	80.0	194.9	11.8	26.6	45.7	88.8	176.7	254.2	158.8	279.6	255.1	...	1,572.2**
NAIA (MIA), Pasay City	0.5	20.5	0.0	12.0	47.0	124.5	268.0	350.5	137.0	166.5	98.0	70.0	1,294.5
Port Area (MCO), Manila	2.6	63.9	1.1	0.9	74.8	242.9	393.3	700.5	289.5	161.4	68.3	98.9	2,098.1
Puerto Princesa City, Palawan	0.5	2.9	0.0	0.0	108.1	192.7	78.6	183.5	219.7	228.7	156.5	121.8	1,293.0
Romblon, Romblon	72.0	85.4	32.8	17.6	97.4	270.9	362.3	131.3	170.0	195.1	338.9	402.6	2,176.3
Roxas City, Capiz	76.5	67.0	8.5	18.0	77.5	221.0	205.5	76.5	325.0	361.5	325.5	244.5	2,007.0
San Jose, Occidental	6.0	0.8	0.4	22.7	137.8	136.8	339.4	409.5	574.3	456.0	210.9	41.2	2,335.8
Sangley Point, Cavite	1.4	80.6	0.2	20.2	93.4	182.2	303.0	775.4	145.3	208.8	88.9	89.8	1,989.2
Science Garden, Quezon	4.4	8.3	2.8	43.4	180.2	175.1	296.1	780.2	495.3	305.8	100.1	126.3	2,518.0
Sinait, Ilocos Sur (former Vigan Station)	4.2	12.2	0.2	0.0	152.3	192.2	443.4	960.5	305.7	254.5	85.3	18.8	2,429.3
Surigao, Surigao Del Norte	166.9	240.3	36.6	56.1	73.5	186.7	232.1	86.6	238.8	404.1	597.2	591.3	2,910.2
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	48.7	45.3	0.2	9.0	136.6	140.2	145.4	28.2	148.5	216.9	185.8	192.3	1,297.1
Tacloban City, Leyte	248.6	252.8	44.4	40.4	281.2	213.7	239.1	67.9	232.2	209.3	348.6	188.8	2,367.0
Tanay, Rizal	13.9	41.4	16.0	41.0	213.6	265.7	267.6	585.2	276.1	288.4	277.0	360.8	2,646.7
Tayabas, Quezon	113.8	255.7	60.9	43.0	67.9	76.3	219.5	165.8	75.4	642.1	697.4	735.4	3,153.2
Tuguegarao, Cagayan	21.2	33.1	3.8	0.0	96.4	153.1	402.0	119.7	105.3	420.3	416.9	210.4	1,982.2
Virac Synop, Catanduanes	131.0	159.7	88.4	117.1	198.1	174.5	287.4	103.9	217.2	915.5	441.9	622.8	3,457.5
Zamboanga, Zamboanga Del Sur	0.6	18.8	5.3	7.6	107.5	208.3	182.2	121.6	188.5	123.2	140.9	151.9	1,256.4

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.8
AMOUNT OF RAINFALL BY MONITORING STATION
2017
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	390.8	166.0	...	215.3	125.3	219.2	253.5	112.0	913.3	597.8	667.2	1,075.3	4,735.7**
Ambulong, Batangas	87.1	20.2	19.4	17.8	126.6	115.8	254.0	375.0	584.9	241.7	189.7	183.7	2,215.9
Aparri, Cagayan	117.5	159.4	24.2	43.1	182.6	121.2	42.0	335.4	156.3	516.7	446.2	125.6	2,270.2
Baguio City, Benguet	...	71.5	4.7	61.3	570.1	208.5	751.0	449.6	206.9	230.0	120.0	28.4	2,702.0**
Baler, Aurora (Radar)	622.0	429.6	237.4	151.2	411.2	382.2	624.4	244.9	337.6	283.0	864.3	179.0	4,766.8
Basco, Batanes (Radar)	117.3	70.0	10.1	85.1	422.0	45.7	294.0	379.6	144.7	355.5	705.0	346.4	2,975.4
Borongan, Eastern Samar	823.0	315.6	531.3	362.5	235.3	162.8	399.8	92.6	225.5	303.1	397.9	1,416.2	5,265.6
Butuan City, Agusan Del Norte	560.9	384.2	324.2	168.7	230.7	211.4	199.6	65.6	165.2	233.5	235.6	257.2	3,036.8
Cabanatuan, Nueva Ecija	24.3	26.4	8.9	42.4	241.4	105.3	219.8	568.5	236.9	86.2	195.5	30.5	1,786.1
Calapan, Oriental Mindoro	134.6	40.6	20.7	143.8	276.3	274.7	378.2	214.6	250.9	...	568.9	286.4	2,589.7**
Calayan, Cagayan	372.0	231.8	49.2	106.6	228.4	44.0	94.2	648.0	343.6	490.4	673.8	299.6	3,581.6
Casiguran, Aurora	886.9	380.2	224.7	59.6	294.1	240.4	278.3	276.0	145.2	615.9	1,012.0	580.5	4,993.8
Catarman, Northern Samar	754.0	146.5	...	84.4	213.8	233.7	206.8	99.7	273.9	286.0	414.2	1,211.6	3,924.6**
Catbalogan, Western Samar	375.5	109.7	188.3	137.4	200.5	175.0	290.5	94.9	384.1	237.8	197.2	1,109.1	3,500.0
Clark International Airport, Pampanga	22.8	10.3	5.2	15.0	162.0	161.3	277.0	530.7	231.3	200.7	97.8	16.7	1,730.8
Coron, Palawan	46.6	13.0	7.6	82.0	...	359.0	...	713.4	236.0	461.0	113.6	163.0	2,195.2**
Cotabato City, Maguindanao	118.5	105.1	221.2	97.2	202.3	225.0	271.0	123.5	192.6	386.3	55.2	202.0	2,199.9
Cubi Point, Subic Bay Olongapo City, Zambales	7.4	4.0	0.2	0.0	47.2	127.4	731.5	789.1	307.1	243.2	72.7	15.6	2,345.4
Cuyo, Palawan	107.6	0.0	...	3.0	72.0	...	...	410.4	312.8	596.8	87.8	132.0	1,722.4**
Daet, Camarines Norte	469.2	229.0	298.1	150.3	179.8	178.0	252.3	296.2	405.4	627.2	417.5	821.2	4,324.2
Dagupan City, Pangasinan	4.9	3.2	2.7	12.2	183.6	367.7	578.3	513.2	230.1	182.2	140.4	4.8	2,223.3
Davao City, Davao Del Sur	242.2	231.6	170.2	192.2	356.2	222.0	110.3	224.9	280.2	175.3	138.5	327.7	2,671.3
Dipolog, Zamboanga Del Norte	460.7	66.9	185.3	52.9	682.0	177.4	196.7	244.6	119.2	305.0	252.9	276.6	3,020.2
Dumaguete City, Negros Oriental	292.2	38.4	91.0	77.2	123.3	111.0	188.5	201.7	136.7	374.0	124.8	189.6	1,948.4
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	309.4	121.2	137.9	88.5	152.4	240.2	183.7	278.4	359.5	231.0	83.7	149.4	2,335.3
General Santos, South Cotabato	117.6	74.4	129.9	51.9	142.4	167.5	63.5	33.5	162.5	124.7	96.8	135.8	1,300.5
Guiuan, Eastern Samar	410.4	169.9	383.8	239.3	124.8	171.7	498.2	112.5	220.9	192.5	200.0	1,360.7	4,084.7
Hinatuan, Surigao Del Sur	936.1	747.9	647.6	243.5	544.8	364.2	340.0	135.4	231.9	182.8	688.3	278.3	5,340.8
Iba, Zambales	19.7	10.2	23.1	22.2	187.6	256.8	585.0	879.9	210.8	232.8	79.2	5.8	2,513.1
Infanta, Quezon	473.5	515.1	179.8	167.6	241.8	175.5	366.8	198.0	376.6	651.9	683.7	991.7	5,022.0
Itbayat, Batanes	96.5	37.3	12.5	37.6	529.6	26.7	304.4	376.1	124.4	268.0	343.5	155.5	2,312.1
Juban, Sorsogon	813.0	175.3	...	99.6	85.0	147.4	287.8	157.2	298.6	283.0	528.4	1,316.8	4,192.1**
Laoag City, Ilocos Norte	0.8	0.8	0.0	24.2	232.6	131.2	447.1	352.8	306.9	145.0	18.9	1.8	1,662.1
Legazpi City, Albay	578.9	177.4	230.5	129.6	188.5	75.9	297.1	178.8	219.8	446.1	472.9	849.4	3,844.9
Maasin, Southern Leyte	661.0	221.1	238.8	217.0	115.8	127.8	264.8	405.8	414.6	368.3	233.6	377.0	3,645.6
Mactan International Airport, Cebu	282.4	41.1	93.9	224.7	75.7	202.8	198.8	230.5	358.0	171.1	125.8	130.0	2,134.8
Malaybalay, Bukidnon	510.7	157.0	194.5	223.2	291.6	439.1	292.0	347.9	302.4	347.4	169.1	232.2	3,507.1
Masbate, Masbate	286.6	53.7	75.8	57.7	88.1	91.4	236.7	225.1	288.1	338.2	168.9	620.4	2,530.7
NAIA (MIA), Pasay City	39.0	31.5	3.5	38.0	70.0	169.0	272.5	298.5	324.0	194.5	114.5	61.5	1,616.5
Port Area (MCO), Manila	41.2	35.8	5.8	88.2	130.9	178.5	382.8	440.2	519.6	258.4	160.1	83.7	2,325.2
Puerto Princesa City, Palawan	126.0	40.5	4.3	31.0	286.4	36.1	288.5	141.0	174.8	383.7	124.2	439.8	2,076.3
Romblon, Romblon	210.6	85.3	103.8	58.7	123.0	302.4	628.8	135.1	388.6	343.8	234.0	452.6	3,066.7
Roxas City, Capiz	289.5	55.0	3.0	88.5	236.0	344.5	296.0	125.5	329.0	333.0	191.5	476.5	2,768.0
San Jose, Occidental Mindoro	21.9	1.5	39.6	59.9	70.9	268.6	453.6	309.5	287.8	353.8	93.8	88.7	2,049.6
Sangley Point, Cavite	52.5	5.4	6.4	39.3	186.4	105.1	467.2	323.0	382.7	196.1	116.4	57.1	1,937.6
Science Garden, Quezon City	43.9	73.8	7.0	128.2	297.5	343.9	560.4	450.4	409.6	283.0	157.5	98.5	2,853.7
Sinait, Ilocos Sur (former Vigan Station)	1.5	0.5	0.0	30.8	270.8	99.6	644.9	322.1	242.1	121.3	12.2	4.8	1,750.6
Surigao, Surigao Del Norte	944.3	500.0	774.4	402.6	217.8	102.8	157.0	175.9	176.1	270.9	487.2	483.0	4,692.1
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	231.0	44.9	105.9	191.2	96.6	113.8	166.0	186.9	261.0	263.6	74.1	135.7	1,870.7
Tacloban City, Leyte	582.2	159.8	417.6	390.2	149.2	237.3	340.3	97.9	374.7	192.4	126.6	806.4	3,874.6
Tanay, Rizal	213.6	68.0	17.0	51.6	75.4	124.7	318.9	371.2	357.3	351.5	342.4	254.6	2,546.2
Tayabas, Quezon	416.2	156.5	81.2	92.7	176.9	241.5	310.3	188.5	480.2	390.2	787.2	822.5	4,143.9
Tuguegarao, Cagayan	78.3	89.2	29.7	43.6	236.7	43.6	91.4	109.1	133.6	262.8	347.2	52.0	1,517.2
Virac Synop, Catanduanes	378.3	64.8	247.2	114.2	77.6	140.8	324.2	196.2	322.8	523.3	329.2	641.7	3,360.3
Zamboanga, Zamboanga Del Sur	151.9	65.0	174.7	52.9	107.7	135.2	64.4	82.4	184.5	281.0	79.2	123.1	1,502.0

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.9
AMOUNT OF RAINFALL BY MONITORING STATION
2018
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	445.6	234.3	161.1	123.7	138.6	190.7	155.4	156.0	105.4	183.3	399.0	883.0	3,176.1
Ambulong, Batangas	40.1	2.4	4.0	6.0	131.5	488.4	596.2	160.8	255.6	127.7	20.3	286.2	2,119.2
Aparri, Cagayan	117.1	165.9	68.3	25.0	3.8	43.9	167.5	160.8	265.1	305.5	71.9	246.8	1,641.6
Baguio City, Benguet	15.2	1.2	5.8	204.0	283.2	552.6	1,002.5	1,822.6	1,219.6	268.6	17.8	22.8	5,415.9
Baler, Aurora (Radar)	303.0	127.5	152.4	192.7	288.2	186.3	316.2	95.8	387.6	327.7	102.7	446.8	2,926.9
Basco, Batanes (Radar)	138.1	172.8	31.4	15.2	9.8	431.0	302.1	566.9	416.1	125.2	90.7	262.5	2,561.8
Borongan, Eastern Samar	991.5	1,446.6	398.9	295.2	337.3	152.4	286.6	175.6	153.6	201.4	747.4	982.7	6,169.2
Butuan City, Agusan Del Norte	386.1	255.6	48.2	180.2	97.9	104.2	71.4	77.5	256.6	133.4	243.6	228.1	2,082.8
Cabanatuan, Nueva Ecija	13.0	2.4	13.6	1.0	95.8	311.8	343.6	452.9	335.8	264.2	2.0	44.4	1,880.5
Calapan, Oriental Mindoro	160.6	115.2	30.0	68.4	321.4	192.3	321.3	79.2	118.1	193.1	143.0	305.8	2,048.4
Calayan, Cagayan	220.4	260.8	...	35.6	5.6	36.4	403.2	398.0	246.6	115.8	129.0	264.0	2,115.4**
Casiguran, Aurora	295.3	193.7	91.3	140.3	52.3	171.6	433.9	67.0	258.1	169.3	224.7	511.0	2,608.5
Catarman, Northern Samar	1,134.0	624.8	569.7	171.9	53.9	121.7	111.8	151.6	154.3	152.7	424.3	1,019.1	4,689.8
Catbalogan, Western Samar	792.3	422.6	105.2	202.8	337.5	153.6	184.7	106.5	293.6	354.8	290.0	551.8	3,795.4
Clark International Airport, Pampanga	8.9	5.2	39.3	99.9	154.3	520.6	634.3	676.0	468.0	105.7	1.9	37.8	2,751.9
Coron, Palawan	1.1	2.2	...	26.3	47.8	359.4	1,312.6	220.5	553.8	71.0	51.0	29.0	2,674.7**
Cotabato City, Maguindanao	77.7	79.3	53.2	124.7	227.3	196.8	285.1	270.6	215.2	205.1	110.4	81.8	1,927.2
Cubi Point, Subic Bay Olongapo City, Zambales	0.6	0.0	9.9	26.5	105.8	1,053.9	1,848.6	1,297.9	445.9	69.5	0.0	7.7	4,866.3
Cuyo, Palawan	75.6	10.2	...	10.8	156.7	409.2	542.2	238.8	257.7	75.6	315.2	23.4	2,115.4**
Daet, Camarines Norte	683.4	342.0	151.9	270.4	117.3	204.0	273.9	252.8	217.8	196.5	302.6	1,028.7	4,041.3
Dagupan City, Pangasinan	1.1	6.4	0.2	114.9	91.2	643.1	1,167.8	938.1	491.4	143.0	0.0	8.0	3,605.2
Davao City, Davao Del Sur	118.8	57.5	56.3	178.6	254.3	108.0	179.6	214.4	181.8	142.7	60.8	256.6	1,809.4
Dipolog, Zamboanga Del Norte	490.2	429.7	20.4	275.6	427.0	137.4	172.2	110.5	237.3	122.8	505.8	234.9	3,163.8
Dumaguete City, Negros Oriental	199.0	205.6	38.2	87.3	27.8	60.4	83.7	88.9	113.7	86.8	115.8	46.6	1,153.8
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	74.3	116.9	53.2	14.7	104.9	268.5	122.0	97.3	258.9	62.3	46.0	48.4	1,267.4
General Santos, South Cotabato	107.3	118.5	13.8	139.5	45.1	50.0	127.3	46.6	90.6	89.3	46.0	77.1	951.1
Guiuan, Eastern Samar	732.7	615.3	242.2	189.4	219.2	193.4	155.0	96.1	198.0	174.5	484.2	458.3	3,758.3
Hinatuan, Surigao Del Sur	669.4	511.2	319.2	373.7	294.1	136.0	306.7	141.8	280.7	122.2	382.8	469.1	4,006.9
Iba, Zambales	0.0	0.9	18.4	51.5	39.9	1,020.0	1,241.5	1,009.4	500.1	145.6	0.0	40.0	4,067.3
Infanta, Quezon	460.7	230.3	250.1	114.6	147.1	125.0	103.3	137.1	197.2	177.0	143.7	745.7	2,831.8
Itbayat, Batanes	111.1	104.1	10.8	5.9	22.4	454.2	214.9	869.1	388.4	45.9	62.3	180.5	2,469.6
Juban, Sorsogon	1,159.2	663.4	462.8	135.6	81.8	145.6	191.8	144.4	404.0	114.6	616.2	1,163.4	5,282.8
Laoag City, Ilocos Norte	3.0	0.0	0.0	0.0	32.4	648.8	433.6	1,037.2	336.9	14.8	0.0	0.0	2,506.7
Legazpi City, Albay	739.5	500.8	93.2	147.6	191.3	138.7	209.1	168.6	438.8	61.2	317.8	1,027.1	4,033.7
Maasin, Southern Leyte	605.6	516.0	166.8	133.6	65.8	313.0	313.4	185.8	274.0	135.0	277.9	419.8	3,406.7
Mactan International Airport, Cebu	239.5	142.6	69.9	74.9	98.9	115.8	148.1	44.2	195.7	223.6	78.8	184.6	1,616.6
Malaybalay, Bukidnon	113.8	47.4	16.4	46.7	357.8	275.0	466.0	188.9	276.0	140.0	136.0	56.8	2,120.8
Masbate, Masbate	479.3	187.8	124.3	20.8	5.1	105.3	104.9	69.7	193.1	28.3	162.9	560.9	2,042.4
NAIA (MIA), Pasay City	25.0	0.0	28.5	0.0	4.0	489.5	470.0	...	235.0	80.5	11.5	138.0	1,482.0**
Port Area (MCO), Manila	18.9	1.5	30.3	8.1	59.9	616.5	626.2	453.9	365.0	181.8	22.9	122.4	2,507.4
Puerto Princesa City, Palawan	242.8	28.4	58.2	32.5	124.4	60.8	132.0	119.4	206.3	67.7	268.1	134.1	1,474.7
Romblon, Romblon	166.7	106.4	136.8	95.7	137.0	228.9	307.9	127.1	95.9	120.5	151.0	305.8	1,979.7
Roxas City, Capiz	209.0	153.5	54.0	91.5	205.5	279.5	152.0	421.5	157.0	87.0	151.0	154.5	2,116.0
San Jose, Occidental Mindoro	5.0	6.9	8.8	0.2	54.2	432.1	979.5	472.3	516.9	124.6	10.3	51.5	2,662.3
Sangley Point, Cavite	16.4	0.8	105.8	0.2	20.0	723.0	757.3	427.2	194.7	72.8	13.7	132.9	2,464.8
Science Garden, Quezon City	85.4	2.0	19.7	114.8	87.0	786.8	768.4	718.9	634.3	181.5	6.5	166.1	3,571.4
Sinait, Ilocos Sur (former Vigan Station)	35.2	0.2	0.0	0.4	57.2	725.2	354.0	1,173.3	225.3	7.8	0.3	5.2	2,584.1
Surigao, Surigao Del Norte	798.0	660.9	335.3	212.4	97.3	249.1	89.9	52.9	239.4	145.4	593.0	646.4	4,120.0
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	217.9	243.7	90.7	40.4	37.7	107.2	76.2	71.6	180.6	107.5	171.6	158.4	1,503.5
Tacloban City, Leyte	836.3	703.9	201.2	230.1	216.4	223.3	267.2	65.4	82.5	76.5	362.1	610.4	3,875.3
Tanay, Rizal	124.4	21.4	31.1	7.0	45.0	613.2	881.1	368.8	518.1	65.3	64.5	353.1	3,093.0
Tayabas, Quezon	279.3	183.4	129.3	96.3	153.9	179.2	264.6	139.8	269.4	116.3	263.5	685.4	2,760.4
Tuguegarao, Cagayan	7.0	23.2	1.0	50.4	8.2	144.8	250.1	142.0	317.9	145.6	11.7	131.5	1,233.4
Virac Synop, Catanduanes	713.2	290.5	204.7	141.5	100.9	175.6	42.5	117.9	289.8	142.2	206.4	575.0	3,000.2
Zamboanga, Zamboanga Del Sur	124.4	61.0	22.1	182.9	81.5	48.5	115.2	136.8	177.5	70.1	23.6	23.2	1,066.8

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.3.10
AMOUNT OF RAINFALL BY MONITORING STATION
2019
(in millimeters)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Alabat, Quezon	156.3	25.4	4.1	12.2	87.5	120.4	82.7	106.2	197.8	376.7	278.9	397.2	3,176.1
Ambulong, Batangas	17.3	9.1	0.0	0.2	139.2	150.2	243.9	323.0	234.6	38.1	145.2	194.1	2,119.2
Aparri, Cagayan	127.7	0.4	30.4	23.3	215.0	55.9	304.2	411.9	257.9	158.1	862.8	491.6	1,641.6
Baguio City, Benguet	3.4	0.0	12.8	97.4	393.5	274.1	437.7	1,525.2	739.9	136.6	121.2	16.5	5,415.9
Baler, Aurora (Radar)	281.7	69.0	49.5	226.7	414.9	202.3	175.0	54.1	247.3	206.4	148.2	446.1	2,926.9
Basco, Batanes (Radar)	88.5	6.1	54.4	43.2	388.6	104.6	180.5	677.8	571.5	147.9	386.0	209.9	2,561.8
Borongan, Eastern Samar	403.6	133.6	88.8	43.6	188.6	319.7	189.3	113.2	50.0	206.1	199.0	399.0	6,169.2
Butuan City, Agusan Del Norte	324.2	15.2	61.2	78.8	18.5	193.0	163.7	171.2	24.4	187.9	99.3	114.2	2,082.8
Cabanatuan, Nueva Ecija (Station was transferred to CLSU, Nueva Ecija)	34.8	0.0	0.6	27.9	194.3	231.2	311.8	530.1	353.2	125.3	164.7	32.4	1,880.5
Calapan, Oriental Mindoro	65.0	6.9	4.7	80.7	72.2	212.5	182.0	174.1	153.2	197.1	163.8	237.9	2,048.4
Calayan, Cagayan	243.0	8.6	32.8	58.8	230.2	53.2	142.6	424.5	307.0	203.4	452.1	429.0	2,115.4
Casiguran, Aurora	255.2	69.3	93.0	205.5	273.0	77.6	171.7	312.2	232.4	165.9	190.2	601.4	2,608.5
Catarman, Northern Samar	379.3	25.1	31.2	81.4	62.3	193.3	103.8	230.4	52.0	236.9	259.5	1,037.4	4,689.8
Catbalogan, Western Samar	150.5	26.7	18.5	31.1	27.1	177.3	191.9	180.5	142.3	209.5	100.8	375.5	3,795.4
Clark International Airport, Pampanga	12.1	2.9	1.6	109.8	89.9	259.3	453.1	381.6	319.2	92.6	159.1	58.3	2,751.9
Coron, Palawan	0.4	3.4	0.0	0.6	150.0	290.1	649.8	952.8	300.2	190.6	198.8	182.4	2,674.7
Cotabato City, Maguindanao	36.7	21.7	55.3	122.7	85.8	191.1	174.2	139.9	50.3	257.6	50.2	27.8	1,927.2
Cubi Point, Subic Bay Olongapo City, Zambales	4.1	3.5	0.0	3.5	125.1	584.0	880.7	1,386.4	1,097.8	83.5	187.5	80.2	4,866.3
Cuyo, Palawan	0.0	0.0	0.0	12.0	142.8	381.3	467.1	322.7	239.4	121.2	85.6	21.9	2,115.4
Daet, Camarines Norte	144.8	46.3	8.3	9.5	180.6	125.4	151.1	177.4	224.2	545.9	378.3	333.9	4,041.3
Dagupan City, Pangasinan	2.7	0.0	19.4	93.1	146.9	762.2	281.8	565.6	426.0	59.8	107.8	10.6	3,605.2
Davao City, Davao Del Sur	149.4	15.8	126.8	40.2	263.9	329.5	270.1	252.8	102.0	236.0	159.1	102.1	1,809.4
Dipolog, Zamboanga Del Norte	48.9	18.4	13.4	9.1	78.7	228.2	246.6	167.4	49.7	242.5	211.3	152.1	3,163.8
Dumaguete City, Negros Oriental	89.7	12.3	46.9	7.6	14.1	82.7	205.4	53.1	66.6	194.7	54.9	83.0	1,153.8
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	98.4	0.8	10.1	10.6	64.6	133.8	196.8	74.7	65.8	75.0	96.7	17.1	1,267.4
General Santos, South Cotabato	27.0	2.0	27.7	44.7	41.3	106.5	158.1	85.4	56.7	82.1	100.3	69.8	951.1
Guiuan, Eastern Samar	154.5	88.6	80.2	41.5	127.1	180.0	141.0	96.5	49.3	247.3	140.9	395.8	3,758.3
Hinatuan, Surigao Del Sur	945.2	178.2	299.3	238.8	36.8	274.9	156.1	131.2	42.5	179.6	221.9	451.5	4,006.9
Iba, Zambales	0.0	0.2	3.2	40.3	224.5	715.8	891.5	1,354.2	1,021.2	60.0	147.4	6.9	4,067.3
Infanta, Quezon	139.9	50.7	91.6	142.5	302.3	122.7	141.8	75.9	137.5	198.6	226.3	416.5	2,831.8
Itbayat, Batanes	145.8	101.1	51.1	74.7	346.4	260.9	...	...	634.6	124.9	165.8	108.2	2,469.6**
Juban, Sorsogon	320.6	80.8	44.2	78.4	113.2	198.2	313.8	355.4	91.8	316.3	236.0	738.6	5,282.8
Laoag City, Ilocos Norte	0.0	0.0	0.7	73.7	212.1	197.2	403.5	1,101.7	385.1	0.4	207.7	6.0	2,506.7
Legazpi City, Albay	129.0	41.8	23.4	105.9	135.7	301.1	274.2	276.3	130.0	186.4	219.0	479.3	4,033.7
Maasin, Southern Leyte	347.0	88.8	58.0	74.0	38.8	137.1	240.0	180.8	57.8	124.2	84.6	387.4	3,406.7
Mactan International Airport, Cebu	134.5	53.5	14.9	23.1	14.2	87.8	225.3	76.7	100.0	304.7	60.3	222.6	1,616.6
Malaybalay, Bukidnon	156.1	3.1	87.3	80.7	167.3	275.1	310.9	214.1	186.6	279.6	109.5	108.2	2,120.8
Masbate, Masbate	169.6	21.8	10.8	10.8	240.2	160.4	214.0	109.4	150.4	96.0	162.4	392.7	2,042.4
NAIA (MIA), Pasay City	7.0	0.0	1.5	14.0	142.0	122.0	159.5	509.3	295.5	32.5	77.0	119.0	1,482.0
Port Area (MCO), Manila	2.6	4.5	3.1	1.4	150.3	279.8	272.0	584.1	292.6	72.7	103.4	120.5	2,507.4
Puerto Princesa City, Palawan	3.7	0.4	19.7	1.0	24.6	183.7	132.8	95.7	254.4	122.8	77.5	25.0	1,474.7
Romblon, Romblon	16.9	15.0	9.8	8.5	178.5	108.5	166.7	241.4	106.6	194.1	150.7	348.2	1,979.7
Roxas City, Capiz	20.0	26.5	19.5	37.5	23.5	144.5	562.5	149.0	64.0	576.0	280.5	243.6	2,116.0
San Jose, Occidental Mindoro	0.0	1.0	0.0	0.2	33.0	343.9	465.1	657.0	373.0	68.3	222.8	316.5	2,662.3
Sangley Point, Cavite	5.7	2.0	2.4	3.6	61.9	271.1	309.8	622.9	330.1	33.2	149.8	119.5	2,464.8
Science Garden, Quezon City	4.6	5.1	2.8	0.4	253.9	435.3	347.7	520.7	363.2	185.8	128.0	124.9	3,571.4
Sinait, Ilocos Sur (former Vigan Station)	0.0	0.0	0.5	6.4	206.8	298.0	307.2	940.2	530.9	14.6	243.2	4.4	2,584.1
Surigao, Surigao Del Norte	380.0	172.5	189.8	132.3	88.6	114.2	166.2	50.8	24.1	175.3	214.0	460.1	4,120.0
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol)	177.0	30.7	88.6	3.8	90.5	80.3	216.4	89.4	34.8	146.5	72.0	122.1	1,503.5
Tacloban City, Leyte	178.2	50.3	32.6	63.9	116.3	211.4	134.1	55.3	87.1	194.1	146.0	316.3	3,875.3
Tanay, Rizal	67.9	23.1	1.0	2.0	340.5	267.4	281.6	666.5	455.5	74.3	88.5	218.5	3,093.0
Tayabas, Quezon	150.1	39.9	10.9	87.2	261.0	163.2	257.4	176.9	125.8	340.7	276.8	440.5	2,760.4
Tuguegarao, Cagayan	31.1	0.0	11.8	39.3	283.4	121.4	201.2	256.4	215.0	105.4	443.9	297.2	1,233.4
Virac Synop, Catanduanes	71.5	25.1	8.8	80.0	111.5	196.4	234.9	277.5	161.6	261.9	173.3	571.5	3,000.2
Zamboanga, Zamboanga Del Sur	46.6	16.5	38.0	57.2	1.7	62.9	178.0	34.3	162.2	56.1	20.5	83.4	1,066.8

Notes:

** means annual values with missing months

… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.1
RELATIVE HUMIDITY BY MONITORING STATION
2010
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	87	84	86	83	80	83	...	85	85	86	86	88
Ambulong, Batangas	80	76	75	74	74	83	87	87	87	87	86	84
Aparri, Cagayan	87	85	83	83	83	82	81	84	85	85	88	89
Baguio City, Benguet	85	83	81	80	85	89	90	91	89	90	88	86
Baler, Aurora (Radar)	87	87	...	...	...	85	90	87	87	88	89	87
Basco, Batanes (Radar)	76	81	80	83	82	83	83	84	83	89	88	82
Borongan, Eastern Samar	91	89	89	86	84	85	88	86	89	90	90	91
Butuan City, Agusan Del Norte	90	83	84	82	82	82	83	83	83	83	85	87
Cabanatuan, Nueva Ecija	85	84	81	80	80	89	92	94	92	93	92	89
Calapan, Oriental Mindoro	89	84	88	85	84	85	86	85	86	87	90	87
Calayan, Cagayan	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora	90	89	...	88	85	86	86	81	79	...	77	...
Catarman, Northern Samar	89	86	84	83	81	80	87	86	88	87	90	92
Catbalogan, Western Samar	86	79	80	78	77	79	85	83	85	86	87	88
Clark International Airport, Pampanga	67	63	61	58	65	80	80	83	78	79	78	71
Coron, Palawan	78	73	74	75	76	85	87	90	89	90	89	88
Cotabato City, Maguindanao	77	75	75	75	75	76	76	77	76	76	77	77
Cubi Point, Subic Bay Olongapo City, Zambales	65	65	60	62	67	78	78	81	78	78	76	71
Cuyo, Palawan	87	84	83	81	81	...	...	85	84	84	...	84
Daet, Camarines Norte	97	96	97	97	96	95	96	96	96	95	97	96
Dagupan City, Pangasinan	82	80	77	76	77	82	84	87	86	86	85	82
Davao City, Davao Del Sur	84	78	78	82	83	84	85	85	84	83	85	85
Dipolog, Zamboanga Del Norte	86	82	81	82	83	85	86	86	85	87	86	86
Dumaguete City, Negros Oriental	85	80	78	78	78	78	82	82	83	84	...	84
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	86	78	76	77	79	83	86	83	84	84	84	85
General Santos, South Cotabato	80	74	73	76	78	80	81	81	76	79	78	81
Guiuan, Eastern Samar	90	83	84	86	83	83	88	88	87	89	90	90
Hinatuan, Surigao Del Sur	89	86	87	87	89	83	85	84	83	85	86	88
Iba, Zambales	77	80	77	76	79	86	86	89	87	87	85	81
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	89	85	85	82	78	80	86	83	85	89	92	91
Itbayat, Batanes	...	...	...	...	...	...	...	...	...	...	...	...
Juban, Sorsogon	...	...	...	...	...	...	...	84	87	89	91	91
Laoag City, Ilocos Norte	76	82	77	78	81	85	85	89	89	84	84	77
Legazpi City, Albay	85	80	80	80	77	79	83	84	84	86	88	88
Maasin, Southern Leyte	...	...	...	84	83	85	88	92	90	91	89	88
Mactan International Airport, Cebu	87	84	80	81	77	83	84	85	84	87	87	88
Malaybalay, Bukidnon	88	83	80	81	83	87	88	89	86	88	86	87
Masbate, Masbate	87	81	80	79	78	80	83	84	83	84	84	87
NAIA (MIA), Pasay City	77	72	71	70	72	87	88	85	88	90	82	75
Port Area (MCO), Manila	71	66	67	65	68	78	77	80	77	79	79	76
Puerto Princesa City, Palawan	79	77	74	75	76	81	83	83	80	84	85	87
Romblon, Romblon	84	81	79	77	75	77	82	82	82	84	82	84
Roxas City, Capiz	82	79	77	78	77	79	83	84	82	85	83	84
San Jose, Occidental Mindoro	65	63	63	63	69	78	84	85	82	85	79	73
Sangley Point, Cavite	...	...	...	...	...	...	82	84	81	83	82	80
Science Garden, Quezon City	75	69	68	65	67	83	84	86	84	86	87	84
Sinait, Ilocos Sur (former Vigan Station)	71	77	73	74	75	80	82	85	84	...	81	74
Surigao, Surigao Del Norte	88	83	82	82	81	79	81	80	78	81	84	78
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	85	79	78	81	78	82	85	83	84	85	86	86
Tacloban City, Leyte	88	81	79	81	79	81	86	84	86	87	88	89
Tanay, Rizal	89	86	86	83	83	90	91	92	90	92	92	92
Tayabas, Quezon	85	81	83	80	77	83	85	85	85	87	88	88
Tuguegarao, Cagayan	82	75	75	71	70	74	76	76	78	79	83	83
Virac Synop, Catanduanes	88	86	85	85	84	84	89	90	91	92	93	93
Zamboanga, Zamboanga Del Sur	82	77	76	81	84	85	85	84	82	83	83	83

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.2
RELATIVE HUMIDITY BY MONITORING STATION
2011
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	...	...	...	...	...	...	...	...	...	...	...	...
Ambulong, Batangas	82	76	76	72	82	86	87	87	84	85	84	84
Aparri, Cagayan	89	86	86	84	84	82	82	83	84	85	...	...
Baguio City, Benguet	84	84	84	83	88	90	92	92	93	91	88	88
Baler, Aurora (Radar)	88	84	88	87	86	87	83	83	83	87	92	91
Basco, Batanes (Radar)	86	81	84	85	92	89	89	87	89	88	88	88
Borongan, Eastern Samar	91	91	92	89	90	89	88	85	86	89	90	91
Butuan City, Agusan Del Norte	89	87	88	84	85	85	83	84	81	84	86	88
Cabanatuan, Nueva Ecija	87	85	84	82	86	91	93	95	94	90	87	85
Calapan, Oriental Mindoro	85	83	84	80	83	86	85	86	84	86	88	88
Calayan, Cagayan	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora	70	66	...	...	...	...	88	89	92	89	93	93
Catarman, Northern Samar	92	89	92	85	86	87	86	86	84	86	90	92
Catbalogan, Western Samar	89	85	89	84	86	84	83	82	81	86	88	88
Clark International Airport, Pampanga	70	68	68	61	71	81	82	84	86	77	78	75
Coron, Palawan	84	84	81	80	86	89	90	92	91	91	85	87
Cotabato City, Maguindanao	78	77	76	75	76	77	77	77	76	75	76	76
Cubi Point, Subic Bay Olongapo City, Zambales	66	64	60	62	74	81	82	83	86	77	73	72
Cuyo, Palawan	86	85	86	86	85	84	84	85	85	84	82	86
Daet, Camarines Norte	97	97	...	94	96	...	...	89	90	87	89	89
Dagupan City, Pangasinan	81	81	80	77	81	85	87	88	89	84	84	84
Davao City, Davao Del Sur	87	86	86	82	85	86	85	85	84	84	84	86
Dipolog, Zamboanga Del Norte	88	88	87	84	86	85	86	86	86	88	88	89
Dumaguete City, Negros Oriental	85	85	86	81	84	84	81	81	81	83	83	85
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	88	88	87	83	84	85	85	84	83	83	85	87
General Santos, South Cotabato	80	81	79	78	80	83	81	83	81	77	79	81
Guiuan, Eastern Samar	91	90	92	88	89	90	88	87	86	89	91	92
Hinatuan, Surigao Del Sur	90	89	90	87	85	85	84	83	83	85	88	89
Iba, Zambales	79	78	77	78	84	87	88	88	88	84	81	82
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	89	87	88	84	83	86	82	84	80	89	90	93
Itbayat, Batanes	89	85	86	85	91	89	90	89	87	88	88	88
Juban, Sorsogon	91	90	91	88	88	87	86	...	86	88	91	92
Laoag City, Ilocos Norte	73	74	67	69	75	82	84	86	86	82	80	79
Legazpi City, Albay	86	82	88	81	86	88	87	87	86	86	88	88
Maasin, Southern Leyte	92	90	91	85	87	87	88	89	87	87	86	88
Mactan International Airport, Cebu	90	87	88	84	86	86	86	87	85	86	87	90
Malaybalay, Bukidnon	89	88	88	85	91	90	91	91	88	85	87	88
Masbate, Masbate	90	85	89	82	85	85	83	83	82	85	87	89
NAIA (MIA), Pasay City	71	68	67	63	73	79	85	86	86	82	79	82
Port Area (MCO), Manila	73	70	70	67	76	78	82	82	81	78	76	78
Puerto Princesa City, Palawan	81	80	80	78	83	83	85	85	83	83	83	83
Romblon, Romblon	85	84	85	81	81	...	86	84	84	85	86	87
Roxas City, Capiz	84	81	86	80	82	84	84	84	82	84	84	86
San Jose, Occidental Mindoro	67	72	67	71	82	88	89	89	88	86	80	79
Sangley Point, Cavite	76	74	74	70	76	83	84	86	85	81	80	82
Science Garden, Quezon City	79	74	72	68	77	83	87	89	89	87	82	86
Sinait, Ilocos Sur (former Vigan Station)	69	71	...	71	76	81	85	87	87	84	80	80
Surigao, Surigao Del Norte	83	80	81	79	78	77	78	79	81	81	85	87
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	88.0	85.0	87.0	83.0	86.0	86.0	82.0	82.0	80.0	84.0	84.0	88.0
Tacloban City, Leyte	90	87	89	84	85	85	84	82	81	84	87	89
Tanay, Rizal	89	87	88	85	88	91	93	94	94	91	90	92
Tayabas, Quezon	85	83	85	80	82	85	84	84	84	86	88	88
Tuguegarao, Cagayan	85	82	80	75	74	73	76	78	79	81	83	86
Virac Synop, Catanduanes	90	87	89	90	92	92	93	91	90	92	92	93
Zamboanga, Zamboanga Del Sur	82	83	84	81	84	83	82	83	82	82	82	83

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.3
RELATIVE HUMIDITY BY MONITORING STATION
2012
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	87	87	87	84	83	83	86	84	86	86	85	86
Ambulong, Batangas	79	79	77	73	81	82	88	87	88	84	80	81
Aparri, Cagayan	85	85	85	82	80	82	82	83	82	84	84	87
Baguio City, Benguet	87	90	89	87	88	94	93	97	91	89	87	87
Baler, Aurora (Radar)	91	92	91	90	88	81	88	84	89	88	90	90
Basco, Batanes (Radar)	85	86	85	88	88	88	89	90	89	85	89	84
Borongan, Eastern Samar	90	90	89	88	88	87	88	85	88	89	88	89
Butuan City, Agusan Del Norte	87	88	83	82	81	80	83	80	84	86	88	86
Cabanatuan, Nueva Ecija	82	83	80	75	82	88	79	69	66	88	85	83
Calapan, Oriental Mindoro	86	85	85	83	81	81	88	87	90	87	86	87
Calayan, Cagayan	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora	93	93	93	91	90	85	86	85	87	85	87	87
Catarman, Northern Samar	92	92	91	87	86	84	88	84	87	90	91	91
Catbalogan, Western Samar	88	87	84	80	82	81	84	77	83	84	85	85
Clark International Airport, Pampanga	72	69	65	63	75	82	85	87	83	78	72	70
Coron, Palawan	85	84	81	83	89	91	91	88	90	86	82	82
Cotabato City, Maguindanao	76	76	75	75	77	78	78	77	78	78	77	77
Cubi Point, Subic Bay Olongapo City, Zambales	68	66	62	65	76	83	84	86	84	74	74	77
Cuyo, Palawan	85	86	86	83	...	...	85	84	87	88	86	86
Daet, Camarines Norte	88	87	87	86	86	84	89	88	90	89	88	88
Dagupan City, Pangasinan	82	81	79	77	81	87	88	90	88	85	80	82
Davao City, Davao Del Sur	86	85	83	83	85	83	84	82	81	81	83	82
Dipolog, Zamboanga Del Norte	88	88	85	85	86	86	87	84	87	86	86	87
Dumaguete City, Negros Oriental	84	83	82	79	81	80	84	78	83	84	82	84
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	85	86	81	81	83	81	86	80	84	84	85	84
General Santos, South Cotabato	79	80	78	78	81	81	83	82	82	80	80	80
Guiuan, Eastern Samar	91	89	87	83	85	83	86	81	86	87	87	90
Hinatuan, Surigao Del Sur	89	89	86	87	85	84	84	82	84	83	87	86
Iba, Zambales	78	77	74	75	79	87	87	89	86	79	76	72
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	91	91	89	83	81	74	83	79	86	86	88	87
Itbayat, Batanes	86	87	84	87	87	87	87	89	86	81	87	85
Juban, Sorsogon	91	90	89	86	84	85	87	82	88	88	90	90
Laoag City, Ilocos Norte	78	76	73	76	80	85	88	89	86	79	80	78
Legazpi City, Albay	87	86	85	81	82	83	87	83	86	85	85	85
Maasin, Southern Leyte	85	88	86	82	83	85	87	86	87	87	87	87
Mactan International Airport, Cebu	88	86	84	80	82	82	85	79	85	83	83	83
Malaybalay, Bukidnon	87	87	87	87	89	89	90	88	89	88	88	88
Masbate, Masbate	88	87	86	83	82	83	86	81	85	86	85	86
NAIA (MIA), Pasay City	76	75	72	66	77	82	85	86	85	76	71	74
Port Area (MCO), Manila	73	75	71	66	75	79	82	84	83	76	72	75
Puerto Princesa City, Palawan	80	82	79	80	80	83	83	81	83	82	81	79
Romblon, Romblon	87	86	85	82	81	84	85	85	85	85	85	85
Roxas City, Capiz	85	83	84	80	82	83	84	81	83	82	83	82
San Jose, Occidental Mindoro	77	76	74	73	84	90	90	91	91	84	77	76
Sangley Point, Cavite	78	77	77	71	77	81	85	88	86	80	75	77
Science Garden, Quezon City	81	78	75	70	80	82	86	87	86	78	76	76
Sinait, Ilocos Sur (former Vigan Station)	77	74	75	75	77	84	86	89	86	80	80	76
Surigao, Surigao Del Norte	87	87	84	83	80	78	83	77	82	81	80	85
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	86.0	85.0	84.0	83.0	83.0	80.0	84.0	76.0	81.0	85.0	84.0	83.0
Tacloban City, Leyte	88	88	86	82	83	81	85	77	83	84	86	85
Tanay, Rizal	90	89	89	84	88	92	93	95	94	90	88	89
Tayabas, Quezon	86	85	84	79	82	80	85	83	85	84	84	85
Tuguegarao, Cagayan	83	83	79	74	73	76	78	78	77	82	79	84
Virac Synop, Catanduanes	91	90	90	91	92	91	93	90	93	92	93	92
Zamboanga, Zamboanga Del Sur	84	83	79	83	83	81	83	81	85	82	82	81

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.4
RELATIVE HUMIDITY BY MONITORING STATION
2013
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	85	87	84	81	84	85	90	89	91	89	92	91
Ambulong, Batangas	79	78	77	75	81	85	85	86	89	83	83	81
Aparri, Cagayan	87	85	84	82	82	80	82	83	84	84	85	88
Baguio City, Benguet	87	83	86	84	89	92	92	93	92	91	86	88
Baler, Aurora (Radar)	89	91	89	87	86	86	89	86	...	...	91	90
Basco, Batanes (Radar)	81	84	82	86	85	84	83	86	85	76	82	82
Borongan, Eastern Samar	92	89	87	87	86	88	90	89	86	87	90	90
Butuan City, Agusan Del Norte	91	87	85	82	81	85	85	86	82	81	89	87
Cabanatuan, Nueva Ecija	82	81	81	77	82	86	89	92	93	87	86	84
Calapan, Oriental Mindoro	87	88	85	81	83	87	89	90	89	87	89	90
Calayan, Cagayan	...	...	...	...	...	85	85	88	90	85	87	89
Casiguran, Aurora	86	88	86	84	83	84	88	86	82	80	87	87
Catarman, Northern Samar	91	90	89	86	85	88	89	88	87	86	91	87
Catbalogan, Western Samar	87	84	82	78	80	84	86	83	83	82	86	87
Clark International Airport, Pampanga	68	68	68	64	75	80	84	87	87	79	75	73
Coron, Palawan	85	79	81	79	82	88	86	...	...	...	...	...
Cotabato City, Maguindanao	79	75	75	76	77	78	79	79	79	80	78	76
Cubi Point, Subic Bay Olongapo City, Zambales	75	73	72	73	76	81	80	83	85	79	74	74
Cuyo, Palawan	88	88	85	82	84	85	84	86	84	85	85	86
Daet, Camarines Norte	90	92	92	89	89	90	89	88	87	87	88	91
Dagupan City, Pangasinan	82	81	80	79	82	83	86	89	88	84	83	83
Davao City, Davao Del Sur	86	80	77	79	80	83	83	83	79	79	83	80
Dipolog, Zamboanga Del Norte	88	87	84	85	87	87	88	86	85	87	88	86
Dumaguete City, Negros Oriental	85	83	80	79	80	83	83	82	80	82	83	82
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	90	85	82	79	81	85	86	85	82	...	84	...
General Santos, South Cotabato	84	79	76	76	78	82	83	84	81	84	83	82
Guiuan, Eastern Samar	91	88	85	83	84	86	87	86	85	85	...	91
Hinatuan, Surigao Del Sur	89	87	85	85	83	84	84	83	79	80	88	88
Iba, Zambales	70	76	75	74	75	82	81	86	86	82	82	83
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	87	87	87	80	82	82	87	...	87	86	92	93
Itbayat, Batanes	82	85	84	87	88	85	85	88	88	81	85	86
Juban, Sorsogon	90	89	88	83	84	87	89	87	88	87	91	91
Laoag City, Ilocos Norte	76	78	75	79	82	83	86	89	86	78	78	77
Legazpi City, Albay	84	84	84	80	81	84	85	85	86	84	86	88
Maasin, Southern Leyte	88	88	84	81	82	89	89	89	88	87	87	87
Mactan International Airport, Cebu	83	84	78	75	79	85	83	82	78	79	83	83
Malaybalay, Bukidnon	92	88	84	85	84	90	90	90	89	92	91	89
Masbate, Masbate	88	87	84	81	82	84	85	84	85	85	85	86
NAIA (MIA), Pasay City	73	70	67	63	71	78	80	85	89	79	80	79
Port Area (MCO), Manila	76	72	70	67	72	76	78	84	85	77	76	76
Puerto Princesa City, Palawan	79	78	76	76	79	84	84	84	81	81	84	83
Romblon, Romblon	87	86	84	81	82	85	85	86	85	84	86	86
Roxas City, Capiz	83	84	81	78	79	84	84	83	83	80	84	83
San Jose, Occidental Mindoro	78	75	77	77	84	91	90	92	94	89	86	83
Sangley Point, Cavite	78	76	73	71	75	80	82	86	88	82	80	79
Science Garden, Quezon City	76	72	75	70	76	83	84	88	89	84	83	82
Sinait, Ilocos Sur (former Vigan Station)	77	78	76	75	77	79	83	85	85	80	79	80
Surigao, Surigao Del Norte	90	86	83	82	80	84	84	84	81	83	88	88
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	86	84	81	...	80	83	86	85	81	82	85	86
Tacloban City, Leyte	86	85	82	80	80	84	84	81	80	79	...	...
Tanay, Rizal	88	88	85	81	84	88	91	91	94	90	91	92
Tayabas, Quezon	84	84	81	77	80	84	85	85	85	83	86	86
Tuguegarao, Cagayan	83	81	77	74	75	72	77	77	78	80	82	83
Virac Synop, Catanduanes	92	91	92	91	90	93	93	94	93	88	89	90
Zamboanga, Zamboanga Del Sur	82	78	76	81	82	82	83	82	79	85	81	83

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.5
RELATIVE HUMIDITY BY MONITORING STATION
2014
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	85	88	87	85	85	86	85	83	88	88	88	90
Ambulong, Batangas	74	76	77	76	80	83	87	84	85	86	81	83
Aparri, Cagayan	88	87	85	83	80	82	82	...	83	83	85	87
Baguio City, Benguet	85	87	87	90	88	92	94	92	92	89	85	83
Baler, Aurora (Radar)	79	87	88	87	85	78	81	81	83	83	85	87
Basco, Batanes (Radar)	72	83	84	83	87	87	87	88	86	81	82	83
Borongan, Eastern Samar	93	89	88	89	85	86	87	87	88	88	89	90
Butuan City, Agusan Del Norte	91	85	84	82	80	80	80	81	84	83	85	86
Cabanatuan, Nueva Ecija	78	82	80	77	78	87	91	92	90	82	75	73
Calapan, Oriental Mindoro	85	86	82	77	77	84	87	86	89	89	88	90
Calayan, Cagayan	80	86	85	83	...	88	90	90	88	82	83	89
Casiguran, Aurora	80	83	86	83	79	79	83	84	85	87	86	91
Catarman, Northern Samar	93	87	87	88	84	83	84	82	84	87	88	90
Catbalogan, Western Samar	88	82	82	84	79	78	81	79	83	85	86	87
Clark International Airport, Pampanga	64	65	65	66	65	84	87	84	86	80	75	78
Coron, Palawan	...	...	...	...	...	...	84	88	88	87	79	75
Cotabato City, Maguindanao	78	76	74	74	75	77	79	77	80	79	77	77
Cubi Point, Subic Bay Olongapo City, Zambales	67	71	67	68	67	79	83	80	81	75	69	68
Cuyo, Palawan	87	85	85	84	84	83	84	81	85	83	81	85
Daet, Camarines Norte	83	86	85	85	83	84	87	85	89	89	88	90
Dagupan City, Pangasinan	80	81	79	76	76	85	86	84	85	81	78	78
Davao City, Davao Del Sur	84	80	82	78	80	82	81	80	82	80	81	82
Dipolog, Zamboanga Del Norte	88	87	84	85	86	86	87	82	85	86	86	86
Dumaguete City, Negros Oriental	83	82	81	80	80	81	83	80	84	84	85	84
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	88	86	86	84	82	85	85	83	84	83	84	86
General Santos, South Cotabato	85	81	78	77	77	81	84	83	83	79	80	78
Guiuan, Eastern Samar	92	89	92	89	82	85	86	86	87	87	87	92
Hinatuan, Surigao Del Sur	88	87	88	85	85	84	82	84	83	83	87	88
Iba, Zambales	79	82	79	79	75	84	88	86	88	82	76	77
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	85	88	88	85	84	82	83	83	87	90	90	92
Itbayat, Batanes	75	84	87	85	89	91	90	90	90	86	87	88
Juban, Sorsogon	88	88	88	88	82	83	84	82	86	88	90	90
Laoag City, Ilocos Norte	71	77	77	73	72	82	85	87	86	76	72	68
Legazpi City, Albay	82	81	83	82	78	79	85	80	83	86	86	90
Maasin, Southern Leyte	90	86	87	85	82	87	89	87	88	89	87	89
Mactan International Airport, Cebu	83	79	79	79	76	79	83	79	...	83	79	82
Malaybalay, Bukidnon	91	87	86	86	85	90	92	89	90	91	88	88
Masbate, Masbate	86	84	84	85	81	83	85	83	85	85	84	89
NAIA (MIA), Pasay City	66	67	65	61	62	80	88	86	86	82	77	77
Port Area (MCO), Manila	67	70	67	66	67	79	85	83	83	79	74	76
Puerto Princesa City, Palawan	78	80	77	77	77	83	85	82	85	83	82	81
Romblon, Romblon	...	...	...	...	...	...	...	...	...	...	...	...
Roxas City, Capiz	80	80	79	80	76	82	83	82	83	83	81	85
San Jose, Occidental Mindoro	79	82	78	82	79	88	93	90	92	89	81	88
Sangley Point, Cavite	72	73	73	72	72	80	85	83	84	82	78	81
Science Garden, Quezon City	75	75	70	69	70	81	86	86	85	85	80	82
Sinait, Ilocos Sur (former Vigan Station)	71	77	75	76	74	83	87	88	86	79	76	72
Surigao, Surigao Del Norte	92	87	86	84	80	79	82	79	82	83	84	88
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	84	84	83	106	80	81	84	84	87	87	87	89
Tacloban City, Leyte	...	...	...	...	...	...	84	84	85	85	85	87
Tanay, Rizal	84	84	85	80	79	89	94	91	91	90	89	92
Tayabas, Quezon	80	82	82	78	77	80	84	82	86	88	88	91
Tuguegarao, Cagayan	85	83	78	76	73	75	78	80	81	85	84	87
Virac Synop, Catanduanes	82	82	83	86	84	84	85	84	89	89	89	88
Zamboanga, Zamboanga Del Sur	80	77	77	80	83	82	82	82	84	85	82	81

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.6
RELATIVE HUMIDITY BY MONITORING STATION
2015
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	85	84	82	83	81	84	83	84	86	84	85	87
Ambulong, Batangas	80	77	75	74	77	81	83	85	85	84	82	84
Aparri, Cagayan	89	88	85	...	81	76	80	82	79	83	85	89
Baguio City, Benguet	84	83	79	83	85	89	92	93	91	88	78	84
Baler, Aurora (Radar)	82	84	84	85	79	82	79	77	81	81	84	87
Basco, Batanes (Radar)	79	80	83	86	87	83	85	85	84	86	86	82
Borongan, Eastern Samar	86	85	84	85	84	87	83	83	86	84	87	87
Butuan City, Agusan Del Norte	86	81	78	77	75	82	79	79	81	80	84	83
Cabanatuan, Nueva Ecija	71	73	67	66	71	74	86	86	82	83	81	84
Calapan, Oriental Mindoro	84	79	76	78	75	80	82	86	85	85	85	88
Calayan, Cagayan	88	85	83	83	87	85	88	89	89	91	90	91
Casiguran, Aurora	84	88	86	85	84	81	82	82	85	85	86	89
Catarman, Northern Samar	86	82	80	81	79	84	80	80	82	84	87	88
Catbalogan, Western Samar	85	79	75	77	72	79	75	78	80	79	82	83
Clark International Airport, Pampanga	73	69	61	65	73	76	86	86	81	77	69	77
Coron, Palawan	76	71	71	71	75	80	84	86	84	79	69	68
Cotabato City, Maguindanao	78	74	72	73	74	77	77	78	79	77	77	74
Cubi Point, Subic Bay Olongapo City, Zambales	66	63	61	62	69	72	80	79	79	75	65	71
Cuyo, Palawan	86	84	...	82	83	84	83	84	85	82	...	...
Daet, Camarines Norte	87	88	87	87	87	87	87	87	89	87	87	...
Dagupan City, Pangasinan	73	80	76	77	...	80	88	85	84	84	80	83
Davao City, Davao Del Sur	82	75	72	73	78	82	80	80	80	81	81	77
Dipolog, Zamboanga Del Norte	87	83	79	80	81	83	83	82	83	81	84	83
Dumaguete City, Negros Oriental	86	81	78	77	75	80	80	82	84	80	78	83
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	88	84	81	81	80	82	80	80	82	80	83	83
General Santos, South Cotabato	78	71	67	70	75	82	81	83	81	78	76	72
Guiuan, Eastern Samar	88	85	83	87	81	87	83	82	86	85	89	91
Hinatuan, Surigao Del Sur	88	86	85	83	...	85	80	...	83	80	88	86
Iba, Zambales	73	75	73	74	78	81	86	87	84	85	75	79
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	89	88	87	87	85	86	83	85	88	85	90	91
Itbayat, Batanes	84	86	88	89	91	88	88	90	87	88	90	89
Juban, Sorsogon	87	86	85	85	83	85	84	85	85	85	89	89
Laoag City, Ilocos Norte	70	72	72	72	77	78	86	84	83	...	77	79
Legazpi City, Albay	86	85	85	83	81	83	83	84	83	83	87	87
Maasin, Southern Leyte	90	86	81	78	78	83	85	85	86	84	85	86
Mactan International Airport, Cebu	80	75	72	71	71	79	78	80	82	78	77	79
Malaybalay, Bukidnon	89	86	80	81	...	90	90	91	92	86	86	83
Masbate, Masbate	87	85	79	78	77	77	79	80	79	79	81	84
NAIA (MIA), Pasay City	72	68	65	63	66	70	80	82	85	79	70	75
Port Area (MCO), Manila	73	68	66	65	70	72	80	80	81	77	70	76
Puerto Princesa City, Palawan	79	76	74	75	74	76	80	80	81	77	79	77
Romblon, Romblon	86	85	83	81	79	80	83	83	82	84	84	86
Roxas City, Capiz	84	82	79	78	76	79	81	82	82	...	81	82
San Jose, Occidental Mindoro	84	71	68	70	77	81	85	88	90	84	70	75
Sangley Point, Cavite	79	76	75	72	73	77	82	82	82	81	76	80
Science Garden, Quezon City	78	70	63	62	67	72	80	80	81	77	70	74
Sinait, Ilocos Sur (former Vigan Station)	71	74	75	74	74	74	84	84	83	84	78	81
Surigao, Surigao Del Norte	88	83	80	81	77	82	78	78	80	78	85	86
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	89	86	81	80	80	85	85	84	84	85	86	85
Tacloban City, Leyte	86	82	80	80	77	84	...	80	82	80	85	87
Tanay, Rizal	88	88	85	84	81	87	90	91	89	89	87	88
Tayabas, Quezon	83	82	81	79	73	81	81	81	82	82	85	84
Tuguegarao, Cagayan	86	83	77	76	74	71	80	78	77	85	81	87
Virac Synop, Catanduanes	83	84	82	85	84	86	85	86	...	86	85	86
Zamboanga, Zamboanga Del Sur	80	76	73	80	81	84	...	83	84	83	82	76

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.7
RELATIVE HUMIDITY BY MONITORING STATION
2016
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	86	85	86	82	81	82	83	80	82	85	86	88
Ambulong, Batangas	81	79	79	75	78	85	86	86	86	87	85	84
Aparri, Cagayan	84	86	85	80	80	80	83	84	84	84	87	89
Baguio City, Benguet	82	83	84	82	87	88	90	95	91	89	...	84
Baler, Aurora (Radar)	84	84	85	84	85	85	82	78	78	86	86	89
Basco, Batanes (Radar)	78	81	84	85	86	86	85	88	87	87	84	84
Borongan, Eastern Samar	88	89	87	83	85	86	86	83	86	87	89	89
Butuan City, Agusan Del Norte	79	80	75	73	76	81	81	78	82	84	87	87
Cabanatuan, Nueva Ecija	83	79	77	72	79	84	86	90	88	86	81	79
Calapan, Oriental Mindoro	86	85	84	81	82	85	85	87	86	89	...	91
Calayan, Cagayan	90	88	87	85	87	86	89	91	90	90	90	91
Casiguran, Aurora	87	87	88	83	82	87	87	87	87	89	90	93
Catarman, Northern Samar	87	87	85	81	81	84	85	80	82	86	...	91
Catbalogan, Western Samar	80	82	76	74	77	80	81	75	79	83	84	84
Clark International Airport, Pampanga	...	76	77	75	73	78	78	88	84	83	76	74
Coron, Palawan	68	68	67	66	70	76	80	83	82	83	75	75
Cotabato City, Maguindanao	71	70	69	69	74	78	77	79	78	78	77	77
Cubi Point, Subic Bay Olongapo City, Zambales	70	66	69	65	67	77	81	86	84	81	71	69
Cuyo, Palawan	85	84	82	81	80	84	84	83	82	82	81	82
Daet, Camarines Norte	88	89	88	85	85	...	87	...	87	90	88	91
Dagupan City, Pangasinan	81	80	79	72	77	81	82	88	86	85	83	80
Davao City, Davao Del Sur	74	74	70	70	76	81	79	76	79	82	82	83
Dipolog, Zamboanga Del Norte	83	82	79	80	82	83	83	82	84	85	85	86
Dumaguete City, Negros Oriental	81	80	77	76	78	80	82	81	84	84	86	87
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	81	82	80	78	75	81	79	76	80	82	83	84
General Santos, South Cotabato	70	67	67	64	72	80	77	79	80	81	80	81
Guiuan, Eastern Samar	89	90	85	84	86	87	86	83	86	88	90	91
Hinatuan, Surigao Del Sur	84	84	82	82	83	83	81	77	81	83	86	87
Iba, Zambales	79	77	77	72	73	82	86	...	88	86	78	79
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	90	89	90	87	87	86	86	86	88	90	92	93
Itbayat, Batanes	87	87	88	88	89	90	89	91	91	91	89	87
Juban, Sorsogon	87	88	85	81	81	85	85	80	84	87	89	90
Laoag City, Ilocos Norte	77	74	77	78	77	82	83	89	86	83	75	74
Legazpi City, Albay	85	86	85	80	80	82	84	83	82	86	85	87
Maasin, Southern Leyte	85	85	81	77	78	83	83	84	86	86	86	85
Mactan International Airport, Cebu	77	78	72	71	74	78	79	74	80	83	81	82
Malaybalay, Bukidnon	80	77	75	78	82	87	88	89	89	89	88	88
Masbate, Masbate	82	84	81	79	79	81	81	77	79	83	85	...
NAIA (MIA), Pasay City	70	68	65	62	69	80	82	90	89	84	81	79
Port Area (MCO), Manila	72	71	69	64	70	80	81	86	81	78	77	74
Puerto Princesa City, Palawan	75	74	72	69	74	79	78	79	82	82	80	81
Romblon, Romblon	85	85	82	78	78	82	83	83	83	84	85	85
Roxas City, Capiz	82	84	79	77	77	80	81	81	82	82	82	83
San Jose, Occidental Mindoro	72	70	72	67	74	82	86	88	89	87	80	78
Sangley Point, Cavite	77	77	74	70	73	79	80	85	82	82	80	79
Science Garden, Quezon City	70	68	64	59	65	76	79	83	80	78	76	75
Sinait, Ilocos Sur (former Vigan Station)	79	75	76	76	76	83	84	89	87	84	79	77
Surigao, Surigao Del Norte	83	84	81	79	79	79	80	74	79	83	88	86
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	83	82	76	73	76	85	83	79	83	85	86	87
Tacloban City, Leyte	85	86	80	79	81	84	84	77	83	86	87	88
Tanay, Rizal	86	87	84	80	84	89	88	95	93	91	90	90
Tayabas, Quezon	85	83	85	82	83	84	85	83	85	88	88	89
Tuguegarao, Cagayan	82	83	77	65	69	74	77	82	82	82	86	89
Virac Synop, Catanduanes	86	84	85	83	85	88	89	85	87	90	88	88
Zamboanga, Zamboanga Del Sur	73	74	71	74	77	79	81	79	80	81	80	80

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.8
RELATIVE HUMIDITY BY MONITORING STATION
2017
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	85	82	...	83	84	84	85	82	85	87	88	87
Ambulong, Batangas	83	80	77	77	80	83	85	87	87	88	84	84
Aparri, Cagayan	91	88	83	85	84	82	79	84	83	86	89	86
Baguio City, Benguet	...	86	83	85	90	89	90	93	92	89	86	86
Baler, Aurora (Radar)	87	85	86	86	86	84	86	81	83	84	91	87
Basco, Batanes (Radar)	81	79	81	83	88	84	85	87	87	84	89	84
Borongan, Eastern Samar	88	87	87	86	87	86	89	86	87	87	87	90
Butuan City, Agusan Del Norte	89	86	84	82	83	81	81	81	82	83	86	85
Cabanatuan, Nueva Ecija	78	78	77	74	78	81	87	88	86	85	82	78
Calapan, Oriental Mindoro	89	88	86	84	84	85	89	88	89	...	90	90
Calayan, Cagayan	89	89	87	85	89	86	85	88	89	89	93	91
Casiguran, Aurora	93	92	90	88	88	88	90	89	89	89	93	91
Catarman, Northern Samar	89	85	...	85	85	87	87	82	86	86	89	91
Catbalogan, Western Samar	84	81	82	81	80	81	85	80	84	82	84	87
Clark International Airport, Pampanga	70	66	64	65	72	75	81	81	79	79	76	74
Coron, Palawan	72	68	66	67	...	77	...	83	83	82	75	77
Cotabato City, Maguindanao	78	75	76	75	75	78	80	79	79	79	77	78
Cubi Point, Subic Bay Olongapo City, Zambales	66	62	63	65	68	74	80	81	79	78	73	67
Cuyo, Palawan	...	...	...	...	86	...	...	80	80	82	78	81
Daet, Camarines Norte	88	87	87	86	88	86	89	87	88	88	89	89
Dagupan City, Pangasinan	78	78	76	77	80	82	86	86	86	86	83	81
Davao City, Davao Del Sur	83	79	79	77	81	79	79	80	80	78	80	78
Dipolog, Zamboanga Del Norte	88	85	85	82	84	84	85	85	84	86	85	86
Dumaguete City, Negros Oriental	88	85	86	84	86	84	86	86	85	87	86	86
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	87	85	85	85	87	89	87	86	87	85	86	84
General Santos, South Cotabato	80	77	76	74	79	81	83	81	79	81	81	81
Guiuan, Eastern Samar	91	87	89	89	89	88	90	87	88	87	90	91
Hinatuan, Surigao Del Sur	87	88	86	83	84	82	82	81	83	81	86	84
Iba, Zambales	74	73	74	74	78	82	84	86	84	83	78	75
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	91	91	89	88	87	86	88	85	88	91	92	92
Itbayat, Batanes	86	84	86	86	92	89	90	90	91	87	91	88
Juban, Sorsogon	89	86	...	83	84	83	87	85	87	86	89	90
Laoag City, Ilocos Norte	70	66	71	74	81	80	84	86	86	80	79	68
Legazpi City, Albay	86	82	81	80	81	80	85	83	84	84	86	86
Maasin, Southern Leyte	89	85	84	83	83	82	85	85	85	86	84	87
Mactan International Airport, Cebu	83	78	79	79	79	79	82	80	83	81	81	82
Malaybalay, Bukidnon	90	87	88	86	87	87	88	87	87	88	85	85
Masbate, Masbate	87	81	82	81	82	81	83	82	83	83	86	86
NAIA (MIA), Pasay City	75	72	66	69	72	81	85	86	88	89	84	83
Port Area (MCO), Manila	72	72	66	68	70	76	81	79	79	80	76	75
Puerto Princesa City, Palawan	78	76	74	73	79	77	82	80	80	81	81	82
Romblon, Romblon	85	84	83	81	80	81	85	83	83	85	85	86
Roxas City, Capiz	86	83	81	79	79	80	82	80	81	82	81	84
San Jose, Occidental Mindoro	75	72	75	76	78	86	89	89	89	88	81	78
Sangley Point, Cavite	78	74	73	73	75	79	83	81	80	82	80	79
Science Garden, Quezon City	73	71	64	66	70	75	80	80	79	80	79	77
Sinait, Ilocos Sur (former Vigan Station)	75	73	78	78	82	82	86	87	87	84	80	74
Surigao, Surigao Del Norte	89	86	85	83	83	82	83	80	82	83	87	87
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	87	84	85	85	85	85	85	84	86	86	87	88
Tacloban City, Leyte	88	86	87	86	86	85	87	86	88	87	88	89
Tanay, Rizal	90	87	84	84	86	89	91	91	90	92	91	90
Tayabas, Quezon	89	87	87	86	85	85	88	88	88	90	91	92
Tuguegarao, Cagayan	84	84	77	72	77	75	79	82	81	86	88	89
Virac Synop, Catanduanes	83	81	83	83	85	84	87	85	87	87	86	88
Zamboanga, Zamboanga Del Sur	80	75	79	79	80	81	80	81	80	82	79	82

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.9
RELATIVE HUMIDITY BY MONITORING STATION
2018
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	87	86	82	81	83	82	81	77	83	80	83	85
Ambulong, Batangas	82	80	77	75	78	85	87	84	86	82	81	84
Aparri, Cagayan	87	87	77	81	78	79	83	84	85	82	84	87
Baguio City, Benguet	82	84	81	86	88	93	94	96	92	88	81	81
Baler, Aurora (Radar)	88	84	84	87	87	84	85	85	86	87	87	90
Basco, Batanes (Radar)	86	89	81	88	88	92	92	93	91	89	93	91
Borongan, Eastern Samar	90	92	86	86	86	86	84	83	85	87	88	88
Butuan City, Agusan Del Norte	87	83	81	81	79	78	76	77	78	80	84	86
Cabanatuan, Nueva Ecija	78	77	73	71	69	84	87	87	84	76	73	78
Calapan, Oriental Mindoro	90	88	87	85	83	88	90	88	87	87	88	90
Calayan, Cagayan	91	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora	92	90	87	86	84	85	89	86	86	86	89	91
Catarman, Northern Samar	92	89	86	85	85	83	83	77	82	83	86	88
Catbalogan, Western Samar	89	85	82	80	81	79	78	75	79	80	82	84
Clark International Airport, Pampanga	72	67	65	64	66	82	87	87	80	71	68	70
Coron, Palawan	72	69	...	66	68	81	88	81	85	74	69	69
Cotabato City, Maguindanao	78	73	68	71	75	76	79	78	78	75	75	74
Cubi Point, Subic Bay Olongapo City, Zambales	65	65	63	65	69	86	90	88	84	77	69	70
Cuyo, Palawan	84	81	...	77	78	81	84	80	80	75	76	78
Daet, Camarines Norte	90	89	83	84	84	87	87	89	89	84	87	88
Dagupan City, Pangasinan	80	80	76	76	76	85	87	89	85	81	80	82
Davao City, Davao Del Sur	80	76	72	74	76	77	77	76	75	76	76	78
Dipolog, Zamboanga Del Norte	87	87	79	77	81	81	81	79	81	80	83	82
Dumaguete City, Negros Oriental	87	85	83	82	80	76	79	75	82	79	82	82
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	86	84	82	79	80	81	80	79	81	81	82	84
General Santos, South Cotabato	79	76	68	72	...	77	81	77	78	75	75	72
Guiuan, Eastern Samar	91	92	86	86	88	89	89	81	85	87	90	91
Hinatuan, Surigao Del Sur	87	86	83	83	81	80	79	78	77	82	85	85
Iba, Zambales	74	76	71	73	74	86	89	88	84	79	75	74
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	92	90	87	87	87	84	82	82	87	85	87	91
Itbayat, Batanes	89	89	84	87	87	90	91	93	91	88	90	90
Juban, Sorsogon	92	89	85	85	84	83	82	80	85	86	88	90
Laoag City, Ilocos Norte	73	74	67	71	74	84	85	87	84	74	74	73
Legazpi City, Albay	87	84	79	79	81	82	83	81	85	82	84	86
Maasin, Southern Leyte	88	84	83	84	84	87	87	88	90	88	89	89
Mactan International Airport, Cebu	83	79	77	76	75	77	76	73	78	79	80	82
Malaybalay, Bukidnon	88	82	78	78	82	85	88	87	87	82	83	83
Masbate, Masbate	88	84	81	79	78	78	77	75	80	79	82	87
NAIA (MIA), Pasay City	78	75	69	64	64	90	97	90	92	76	71	77
Port Area (MCO), Manila	72	67	65	62	65	85	88	83	78	70	66	74
Puerto Princesa City, Palawan	82	77	72	75	75	79	81	79	81	77	80	78
Romblon, Romblon	85	84	83	82	81	84	86	85	84	83	85	86
Roxas City, Capiz	...	83	81	78	77	81	82	82	81	78	81	83
San Jose, Occidental Mindoro	75	74	72	72	76	84	90	88	89	83	71	72
Sangley Point, Cavite	77	77	75	69	69	82	85	82	81	75	73	78
Science Garden, Quezon City	75	68	65	64	67	79	83	80	79	73	69	77
Sinait, Ilocos Sur (former Vigan Station)	75	78	71	75	75	87	87	90	85	76	74	73
Surigao, Surigao Del Norte	91	89	86	86	84	82	79	78	82	80	86	87
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	88	87	86	84	84	85	84	81	84	85	88	88
Tacloban City, Leyte	91	89	85	86	88	84	84	79	81	84	88	88
Tanay, Rizal	88	86	84	81	80	91	95	93	91	85	85	89
Tayabas, Quezon	91	90	86	86	87	87	87	85	89	86	87	89
Tuguegarao, Cagayan	85	84	72	71	66	75	82	83	80	79	79	84
Virac Synop, Catanduanes	87	89	84	86	87	87	85	82	88	87	85	86
Zamboanga, Zamboanga Del Sur	82	78	74	78	80	80	79	81	81	81	78	78

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

TABLE 1.4.10
RELATIVE HUMIDITY BY MONITORING STATION
2019
(in Percent)

Monitoring Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alabat, Quezon	80	78	77	76	77	78	79	79	81	84	83	84
Ambulong, Batangas	80	78	74	72	82	81	86	86	86	81	84	83
Aparri, Cagayan	85	78	80	82	85	80	82	83	84	83	90	88
Baguio City, Benguet	84	82	81	86	89	90	93	96	95	86	87	83
Baler, Aurora (Radar)	89	87	86	89	88	86	86	83	84	86	87	88
Basco, Batanes (Radar)	87	88	90	92	90	88	90	92	91	90	89	90
Borongan, Eastern Samar	87	90	87	86	85	87	87	85	84	88	87	87
Butuan City, Agusan Del Norte	85	78	79	77	78	80	81	77	78	81	82	83
Cabanatuan, Nueva Ecija	73	74	74	73	79	81	85	91	89	77	80	74
Calapan, Oriental Mindoro	87	81	82	80	83	85	86	89	88	84	89	89
Calayan, Cagayan	...	...	...	...	...	...	...	...	...	...	...	...
Casiguran, Aurora	89	88	87	87	87	80	82	84	86	85	87	88
Catarman, Northern Samar	84	83	81	81	79	84	82	79	79	85	85	88
Catbalogan, Western Samar	81	75	72	70	73	78	77	73	74	79	79	80
Clark International Airport, Pampanga	67	64	60	65	76	78	86	89	82	72	76	73
Coron, Palawan	63	63	64	63	74	79	84	85	81	77	78	73
Cotabato City, Maguindanao	73	70	70	71	73	78	80	77	77	76	77	73
Cubi Point, Subic Bay Olongapo City, Zambales	66	65	66	66	79	81	85	89	87	75	78	73
Cuyo, Palawan	81	81	78	76	75	78	80	80	78	76	...	71
Daet, Camarines Norte	82	84	81	82	85	83	88	88	89	88	88	87
Dagupan City, Pangasinan	80	80	78	78	82	83	85	89	87	81	85	84
Davao City, Davao Del Sur	78	70	70	71	78	79	81	76	77	77	76	78
Dipolog, Zamboanga Del Norte	78	72	70	69	76	80	80	77	79	81	83	81
Dumaguete City, Negros Oriental	82	77	77	76	76	78	81	73	74	78	78	79
Molugan-El Salvador, Misamis Oriental (former Lumbia Station)	84	79	78	76	77	84	86	80	80	81	80	81
General Santos, South Cotabato	69	60	64	67	72	79	84	79	77	74	77	73
Guiuan, Eastern Samar	85	84	85	85	85	89	88	84	87	87	87	89
Hinatuan, Surigao Del Sur	85	81	82	82	80	83	81	75	77	82	82	85
Iba, Zambales	71	69	69	69	77	82	85	91	87	76	80	76
Iloilo City, Iloilo	...	...	...	...	...	...	...	...	...	...	...	...
Infanta, Quezon	88	87	86	85	86	83	85	83	85	87	88	89
Itbayat, Batanes	88	90	89	90	91	91	...	...	91	88	88	90
Juban, Sorsogon	86	84	83	81	81	83	84	84	83	85	87	87
Laoag City, Ilocos Norte	73	77	71	75	80	81	82	87	85	75	80	77
Legazpi City, Albay	81	79	77	78	81	80	83	84	81	82	83	82
Maasin, Southern Leyte	87	83	78	77	79	83	89	89	86	82	82	84
Mactan International Airport, Cebu	77	74	71	72	72	74	79	74	73	78	77	80
Malaybalay, Bukidnon	86	79	78	77	81	86	87	85	84	85	82	84
Masbate, Masbate	82	78	75	77	80	79	81	78	77	78	80	83
NAIA (MIA), Pasay City	68	66	62	61	72	72	77	84	82	72	76	72
Port Area (MCO), Manila	65	61	59	60	74	72	77	84	81	69	75	70
Puerto Princesa City, Palawan	74	74	72	70	72	78	80	78	78	77	78	76
Romblon, Romblon	85	83	79	77	76	79	82	84	83	83	84	84
Roxas City, Capiz	83	79	77	76	76	78	82	82	80	81	82	83
San Jose, Occidental Mindoro	65	64	69	66	77	78	88	90	87	80	82	82
Sangley Point, Cavite	72	68	66	66	74	75	79	84	81	73	78	79
Science Garden, Quezon City	69	64	59	58	71	73	78	82	80	76	77	73
Sinait, Ilocos Sur (former Vigan Station)	72	75	72	74	81	81	84	91	88	80	85	80
Surigao, Surigao Del Norte	84	85	83	82	78	81	82	77	78	82	84	87
Tagbilaran City, Bohol (Station was transferred to Dauis, Bohol in 2013)	88	85	83	79	81	82	85	79	80	85	84	86
Tacloban City, Leyte	85	83	79	77	82	86	84	78	80	85	83	85
Tanay, Rizal	86	82	79	79	86	88	90	95	93	86	90	89
Tayabas, Quezon	88	87	80	78	85	84	87	84	84	84	87	87
Tuguegarao, Cagayan	83	71	70	70	78	77	79	80	85	82	91	88
Virac Synop, Catanduanes	83	87	86	85	88	87	88	86	86	89	88	90
Zamboanga, Zamboanga Del Sur	75	72	73	77	76	78	82	76	78	80	76	77

Note:
… no data

Source: Philippine Atmospheric, Geophysical and Astronomical Services Administration, DOST

Table 1.5
LIST OF PROCLAIMED WATERSHED BY REGION
As of 2019

Region	Name of Reservation	Location		Total Count	Area (in hectares)	Proclamation	
		Province	City/Municipality			No.	Date
Philippines				**113**	**2,464,891.1**		
NCR			**Subtotal**	**1**	**2,659.0**		
	La Mesa Watershed Forest Reserve	Metro Manila Rizal	Quezon City, Caloocan City Rodriguez		2,659.0	1336	07/25/2007
CAR			**Subtotal**	**9**	**398,191.0**		
	Ambuklao Watershed Forest Reserve (Pilot)	Benguet	Atok, Bokod, La Trinidad, Tublay		9,700.0	120	11/25/1966
	Busol Watershed Forest Reserve	Benguet	Baguio City, La Trinidad		329.0	15 (Amd. by 202) (Sus. 239)	04/14/1922 (12/21/1987) (04/05/1988)
	Buyog Watershed Forest Reserve	Benguet	Baguio City		19.9	93	11/05/1992
	Chico River Forest Reserve	Bontoc	Bauko, Sabangan, Bontoc, Sagada, Sandangan, Barlig, Hugdungan,Tanudan, Lubuagan, Tinglayan, Pinukpuk, Tabuk, Balbalan, Pasil, Conner		333,176.2	573 - parcel no. 2	06/26/1969
	Lower Agno Watershed Forest Reserve	Benguet Pangasinan	Tuba, Itogon, Baguio City San Nicolas, San Manuel		39,304.0	2320	11/22/1983
	Lucnab Watershed Forest Reserve	Benguet	Baguio City		6.0	178	05/12/1993
	Marcos Highway Watershed Forest Reserve	La Union Benguet	Agoo, Tubao, Rosario, Pugo, Santo Tomas, Aringay, Baguio City		6,105.0	1754	06/22/1978
	Pucsusan Watershed Reservation	Benguet	Baguio City		1.0	2035	04/06/2010
	San Roque Watershed Reservation	Benguet Pangasinan	Tuba, Itogon, Baguio City San Nicolas, San Manuel		9,550.0	2320	11/22/1983
I - Ilocos Region			**Subtotal**	**7**	**38,270.4**		
	Ambayawan River Forest Reserve	Pangasinan	*Not indicated*		33,687.9	573 - parcel no. 6	06/26/1969
	Ilocos Norte Metropolitan Watershed Forest Reserve	Ilocos Norte	Pasuquin		2,815.0	731 (Amd. 218)	09/27/1934 (06/23/1967)
	Lon-oy Watershed Forest Reserve	La Union	San Gabriel, Santol		1,460.0	378	05/11/1994
	Magnuang Watershed Forest Reserve	Ilocos Norte	Batac		151.6	220	07/02/1967
	Naguilian Watershed Reservation	La Union	Naguilian		90.0	52	04/11/1936
	Santa Watershed Forest Reserve	Ilocos Sur	Santa		25.0	844	09/26/1935
	Tanap Watershed Forest Reserve	Ilocos Norte	Burgos		41.0	803	02/01/1971

Continued

Table 1.5 *(Continued)*
LIST OF PROCLAIMED WATERSHED BY REGION
As of 2019

Region	Name of Reservation	Location		Total Count	Area (in hectares)	Proclamation	
		Province	City/Municipality			No.	Date
II - Cagayan Valley			**Subtotal**	**6**	**455,677.2**		
	Abulug River Forest Reserve	Cagayan	*Not indicated*		195.7	573 - parcel no. 3	06/26/1969
	Bawa Watershed Forest Reserve	Cagayan	Gonzaga, Lal-lo		8,955.0	108	05/13/1987
	Dupax Watershed Forest Reserve	Nueva Vizcaya	Dupax		425.0	720	08/08/1934
	Enrile-Solana-Amulong Forest Reserve	Cagayan	Enrile, Solana, and Amulong		8,249.0	159	02/13/1967
	Magat Watershed Reservation	Ifugao Nueva Vizcaya Isabela	Aguinaldo, Alfonso Lista, Lagawe, Mayoyao Diadi Santiago, Ramon		430,860.5	573 - parcel no. 1	06/26/1969
	Wangag Watershed Forest Reserve	Cagayan	Gonzaga, Lal-lo		6,992.0	107	05/13/1987
III - Central Luzon			**Subtotal**	**23**	**308,999.7**		
	Angat River-Bustos Dam Forest Reserve	Bulacan	Norzagaray		28,550.0	574	06/27/1969
	Angat Watershed Forest Reserve	Rizal Bulacan Nueva Ecija Quezon	Montalban San Juan Del Monte, Norzagaray, Angat, San Rafael Peñaranda Infanta		55,709.1	71 (Amd. 505)	03/10/1927 (12/04/1965)
	Angat Watershed and Forest, Forest Range and Watershed Pilot Project Reserve	Bulacan Rizal	Norzagaray, San Jose Montalban		6,600.0	391	04/30/1968
	Aurora Watershed Forest Reserve	Tayabas	Baler		430.0	34	02/04/1936
	Bazal River Watershed Forest Reserve	Aurora	Maria Aurora		4,403.0	402	05/02/1994
	Bulawan Falls Watershed Forest Reserve	Aurora	Dinalungan		986.0	395	05/30/1994
	Calabgan Watershed Forest Reserve	Aurora	Casiguran		4,803.4	915	06/01/1992
	Diaat River Watershed Forest Reserve	Aurora Nueva Vizcava	Maria Aurora Dupax		3,219.1	399	05/24/1994
	Dibalo-Pingit-Zabali-Malayat River Watershed Forest Reserve	Aurora	Baler, San Luis		4,528.0	908	05/25/1992
	Dingalan River Watershed Forest Reserve Reserve	Aurora	Dingalan		1,788.0	23	08/24/1992
	Dipaculao Watershed Forest Reserve	Aurora	Dipaculao		1,786.0	116	06/10/1987
	Diteki River Watershed Forest Reserve	Aurora	Maria Aurora San Luis		12,970.0	20	08/24/1992
	Doña Remedios Trinidad-General Tinio Watershed Forest Reserve	Bulacan Nueva Ecija	Doña Remedios Trinidad General Tinio		20,760.0	230	03/23/1988
	Mangan Vaca Watershed Forest Reserve	Zambales	Subic		300.0	245 (Mod. 1607)	01/18/1956 (08/29/2008)

Continued

Table 1.5 *(Continued)*
LIST OF PROCLAIMED WATERSHED BY REGION
As of 2019

Region	Name of Reservation	Location		Total Count	Area (in hectares)	Proclamation	
		Province	City/Municipality			No.	Date
	Olongapo Watershed Forest Reserve	Zambales	Olongapo		6,335.0	238 (Amd. 66)	04/30/1964 (02/20/1987)
	Pacugao River Watershed Forest	Aurora Nueva Vizcava	Maria Aurora Dupax		3,247.0	110	11/23/1992
	Pantabangan-Carranglan Watershed Reserve	Nueva Ecija Nueva Vizcaya Aurora	Pantabangan, Carranglan Dupax Maria Aurora		84,500.0	561	05/21/1969
	Peñaranda River Forest Reserve	Nueva Ecija	General Tinio (Papaya)		14,887.7	573	06/26/1969
	Pinamacan River Watershed Forest Reserve	Aurora	Dilasag		2,904.9	236	08/23/1993
	San Luis Watershed Forest Reserve	Aurora	San Luis		2,789.4	109	11/23/1992
	Subic Watershed Forest Reserve	Bataan	*Not indicated*		10,000.0	926 (353)	06/25/1992 (03/31/2003)
	Talavera Watershed Reservation	Nueva Vizcaya Nueva Ecija	Santa Fe Carranglan, Lupao, San Jose, Pantabangan		37,156.0	47 (Revoked 350) (Amd.	1923 (12/12/1938) (01/17/1956)
	Watershed Purposes of Mariveles (Palanas)	Bataan	Mariveles		347.1	EO 20	02/25/1919
IVA - CALABARZON			**Subtotal**	**12**	**58,003.6**		
	Alabat Watershed Forest Reserve	Quezon	Alabat		688.0	156	09/18/1987
	Binahaan River Watershed Forest Reserve	Quezon	Pagbilao, Mauban		465.0	735	05/29/1991
	Calauag Watershed Forest Reserve	Tayabas	Calauag		327.9	367	01/02/1939
	Caliraya-Lumot Rivers Forest Reserve	Laguna	Lumban, Kalayaan, Cavinti, Paete		10,770.7	573 - parcel no. 9	06/26/1969
	Infanta Watershed Forest Reserve	Quezon	Infanta		384.0	158	02/13/1967
	Kaliwa River Forest Reserve	Quezon	General Nakar, Infanta		27,613.0	573 - parcel no. 8	06/26/1969
	Lopez Watershed Forest Resereve	Quezon (Tayabas)	Calauag, Guinayangan		418.0	566	06/22/1940
	Mulanay Watershed Forest Reserve	Quezon	Mulanay		25.6	296	07/21/1938
	Panukulan Watershed Forest Reserve	Quezon	Panukulan		178.7	290	11/06/1993
	Polilio Watershed Forest Reserve	Quezon	Polilio		130.0	72	08/09/1966
	Tibiang-Domagondong Watershed Forest Reserve	Quezon (Tayabas)	Guinayangan		280.0	295	07/21/1938
	Umiray River Watershed Reservation	Quezon Bulacan Rizal	General Nakar Norzagaray Montalban		16,722.8	264	09/28/1993

Continued

Table 1.5 *(Continued)*
LIST OF PROCLAIMED WATERSHED BY REGION
As of 2019

Region	Name of Reservation	Location		Total Count	Area (in hectares)	Proclamation	
		Province	City/Municipality			No.	Date
MIMAROPA			**Subtotal**	**5**	**8,653.8**		
	Calatrava-San Andres-San Agustin Watershed Forest Reserve	Romblon	Calatrava, San Andres, San Agustin, Tablas Island		2,670.0	2186	04/29/1982
	Ipil River Watershed Forest Reserve	Romblon	San Fernando		685.8	394	05/30/1994
	Naampias River Watershed Forest Reserve	Marinduque	Torrijos		417.0	357	04/20/1994
	Palawan Flora, Fauna and Watershed Reserve	Palawan	Puerto Princesa		4,776.0	EO 67 (Amd. 2221)	08/21/1912 (07/14/1982)
	Torrijos Watershed Forest Reserve	Marinduque	Torrijos		105.0	463	04/06/1932
V - Bicol Region			**Subtotal**	**11**	**66,740.8**		
	Bacon-Manito Watershed Geothermal Reservation	Albay Sorsogon	Manito Bacon, Sorsogon, Castilla		25,000.0	2036 A (Amd. EO 837)	11/11/1980 (10/14/1982)
	Barit River-Lake Buhi Forest Reserve	Camarines Sur	Buhi, Sagñay and Iriga		18,379.8	573	06/26/1969
	Capalonga Watershed Forest Reserve	Camarines Norte	Capalonga		752.0	128	11/25/1966
	Dahican Watershed Forest Reserve	Camarines Norte	Mambulao		44.0	592	06/23/1933
	Diwata Watershed Forest Reserve	Masbate	San Fernando		350.0	370	05/02/1994
	Jose Panganiban Watershed Forest Reserve	Camarines Norte	Jose Panganiban		1,160.0	1151	01/09/1998
	Magallanes and Juban Watershed Forest Reserve	Sorsogon	Magallanes, Juban		1,032.0	108	11/23/1992
	Matang-Tubig Watershed Forest	Masbate	Monreal		1,305.0	368	05/02/1994
	Mt. Masaraga Watershed Forest Reserve	Albay	Polangui, Oas, Ligao, Tabaco		810.0	84	10/27/1992
	Tiwi Watershed Reservation	Albay	Malinao and Tiwi		17,661.0	739	08/14/1970
	Tugbo Watershed Forest Reserve Reserve	Masbate	Mobo, Masbate		247.0	369	05/02/1994
VI - Western Visayas			**Subtotal**	**7**	**62,113.6**		
	Aklan River Watershed Forest Reserve	Aklan	Madalag, Libacao		23,185.0	600	06/28/1990
	Dalanas River Watershed Forest Reserve	Antique	Barbaza		8,558.0	603	06/28/1990
	Ilog-Hilabangan Watershed Forest Reserve	Negro Occidental	Himamaylan, Kabankalan		10,211.0	602	06/28/1990
	Jalaur River Watershed Forest Reserve	Iloilo	Calinog		9,227.6	601	06/28/1990
	Kabankalan Watershed Forest Reserve	Negros Occidental	Kabankalan		432.0	820	10/25/1991
	Maasin Watershed Forest Reserve	Iloilo	Maasin		6,150.0	16	02/12/1923
	Pan-ay River Watershed Forest Reserve	Capiz	Tapaz		4,350.0	599	06/28/1990

Continued

Table 1.5 *(Continued)*
LIST OF PROCLAIMED WATERSHED BY REGION
As of 2019

Region	Name of Reservation	Location		Total Count	Area (in hectares)	Proclamation	
		Province	City/Municipality			No.	Date
VII - Central Visayas			**Subtotal**	**6**	**229,927.0**		
	Alijawan-Cansujay-Anibongan River Watershed Forest Reserve	Bohol	Duero, Jagna		3,630.0	881	03/20/1992
	Argao River Watershed Forest Reserve	Cebu	Argao, Dalaguete		7,250.0	414	06/29/1994
	Kotkot and Lusaran River Watershed Forest Reserve	Cebu	Cebu City, Danao City, Balamban, Compostela, Consolacion, Lilo-an		14,121.0	932 (Amd. 1074)	06/29/1992 (09/02/1997)
	Loboc Watershed Forest Reserve	Bohol	Balilihan, Bilar, Batuan, Carmen, Clarin, Garcia Hernandez, Jagna, Lila, Loboc, Sevilla, Sierra Bullones, Valencia		19,410.0	450	12/23/1953
	Palinpinon Geothermal Watershed Reservation	Negros Oriental	Dumaguete, Siaton, Tanjay		133,000.0	1413 (Amd. EO 223)	04/08/1975 (07/16/1987)
	Wahig-Inabanga River Watershed Forest Reserve	Bohol	Pilar, Candijay, Alicia, Duero, Sierra, Bullones, Carmen, Dago- hoy, Danao, Inabanga, Buenavista, Jetafe		52,516.0	468	09/26/1994
VIII - Eastern Visayas			**Subtotal**	**7**	**15,378.5**		
	Anas Watershed Forest Reserve	Biliran	Naval, Almeria, Culaba		1,142.3	763	03/19/1996
	Bulosao Watershed Forest Reserve	Eastern Samar Western Samar	Lawa-an Marabut		4,055.0	106	12/10/1992
	Catbalogan Watershed Forest Reserve	Western Samar	Catbalogan, Jiabong		804.9	413	06/29/1994
	Hinabian-Lawigan Watershed Reservation	Southern Leyte	Libagon, Hinunangan, Saint Bernard, Silago		4,536.3	107	11/23/1992
	Loog Watershed Forest Reserve	Western Samar	Basey		1,866.0	703	11/28/1995
	Palompon Watershed Forest Reserve	Leyte	Palompon, Villaba		2,392.0	212	01/29/1988
	Patag-Gabas Watershed Forest Reserve	Leyte	Baybay		582.0	1202	04/20/1998
IX - Zamboanga Peninsula			**Subtotal**	**1**	**176.0**		
	Ambogoc Watershed Forest Reserve	Zamboanga del Norte	Dapitan City		176.0	611	06/23/1995
X - Northern Mindanao			**Subtotal**	**2**	**309,886.0**		
	Mahoganao Watershed Forest Reserve	Misamis Oriental	Cagayan		136.0	470	04/29/1932
	Pulangi Watershed Reservation	Bukidnon	Part of Impasugong, Cabanglasan, San Fernando, Lantapan, Maramag, Part of Quezon, Valencia City and Malaybalay City		309,750.0	EO 871	
XI - Davao Region			**Subtotal**	**2**	**6,960.0**		
	Andap Watershed Forest Reserve	Davao del Norte	New Bataan		6,725.0	329	02/14/1994
	Malagos Watershed Reservation	Davao del Sur	Davao City		235.0	612	08/31/1933

Continued

Table 1.5 *(Concluded)*
LIST OF PROCLAIMED WATERSHED BY REGION
As of 2019

Region	Name of Reservation	Location		Total Count	Area (in hectares)	Proclamation	
		Province	City/Municipality			No.	Date
XII - SOCCSKSARGEN			**Subtotal**	**5**	**282,659.1**		
	Allah Watershed Forest Reserve	South Cotabato Sultan Kudarat	Banga, Surallah Isulan Kiamba		102,350.0	2455	09/24/1985
	Kabulnan River Watershed Forest Reserve	Sultan Kudarat Maguindanao South	Esperanza, Isulan, Bagumbayan, Sen. Ninoy Aquino, Kalamansig, Palembang Ampatuan		116,451.8	241	02/08/2000
	Koronadal Watershed Forest Reserve	South Cotabato	City of Koronadal (Marbel)		1,137.3	607	06/23/1995
	Libungan River Watershed Forest Reserve	North Cotabato	Libungan, Alamada		52,820.0	563	05/03/1990
	Sebu Watershed Forest Reserve	South Cotabato Sarangani	Banga Kiamba		9,900.0	65	04/08/1966
XIII - Caraga			**Subtotal**	**7**	**38,241.4**		
	Adlay Watershed Forest Reserve	Surigao del Sur	Carrascal		27.0	291	11/08/1993
	Alfred Spring Watershed Forest Reserve	Agusan del Sur	Bunawan		100.0	1236	05/29/1998
	Andanan River Watershed Forest Reserve	Agusan del Sur	Sibagat, Bayugan		15,097.0	734	05/29/1991
	Cabadbaran River Watershed Forest Reserve	Agusan del Norte	Jabonga, Cabadbaran, Santiago		16,025.0	834	11/13/1991
	Mt. Magdiwata Watershed Forest Reserve	Agusan del Sur	San Francisco		1,658.0	1939 (Amd. 282-parcel II)	01/22/1980 (10/25/1993)
	Surigao Watershed Forest Reserve	Surigao del Norte	Sison, Malimono, San Francisco, Surigao City		967.0	635	08/29/1990
	Taguibo River Watershed Forest Reserve	Agusan del Norte	Butuan City, Remedios Trinidad Romualdez, Cabadbaran		4,367.4	1076	09/04/1997
ARMM			**Subtotal**	**2**	**182,354.0**		
	Lake Lanao Watershed Reservation	Lanao del Sur	Ditsaan-Ramain, Bubong, Buadipuso-Buntong, Molundo, Taraka, Maguing, Tamparan, Lumba-Bayabao, Poona-Bayabao, Masiu, Buteg, Lumbatan, Lumbayanagui, Bayang, Binidayan, Ganassi, Pualas, Madalum, Madamba, Bacolod Grande, Tugaya, Balindong, Marantao, Piagapo, Saguiaran, Marawi City		180,460.0	871	02/26/1992
	South Upi Watershed Forest Reserve	Maguindanao	South Upi		1,894.0	65	02/20/1987

Note: Only those watersheds that are not under National Integrated Protected Areas System (NIPAS) and e-NIPAS are retained as Proclaimed Watershed Forest Reserve.

Source: Forest Management Bureau, DENR

Table 1.6
AREA OF LAKES IN THE PHILIPPINES BY REGION
As of 2016
(in hectares)

Region	Approximate Area
PHILIPPINES	**200,832.6**
NCR	2.6
CAR	15.8
Region I	337.2
Region II	164.2
Region III	1,281.9
Region IV-A	119,847.4
MIMAROPA	10,323.6
Region V	5,509.1
Region VI	179.2
Region VII	915.8
Region VIII	371.0
NIR	143.2
Region IX	802.6
Region X	407.4
Region XI	223.0
Region XII	8,375.9
Region XIII	14,682.9
ARMM	37,249.8

Source: Atlas of Philippine Inland Wetlands and Classified Caves 2016 of Biodiversity Management Bureau, DENR

Table 1.7
LAND COVER OF THE PHILIPPINES BY REGION AND PROVINCE
As of 2015
(in hectares)

Region/Province	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
PHILIPPINES	**6,117,556.8**	**6,034,586.0**	**852,021.2**	**2,028,015.1**	**235,824.0**	**1,961,816.9**	**511,136.0**
NCR	**406.1**	**626.2**	**52,947.6**	**0**	**925.5**	**1,317.4**	**1,095.3**
Metro Manila	406.1	626.2	52,947.6	0	925.5	1,317.4	1,095.3
CAR	**241,053.7**	**488,918.9**	**23,606.4**	**250,545.0**	**231.6**	**198,744.3**	**24,092.9**
Abra	38,458.5	124,529.4	3,221.1	44,797.6	0	57,957.9	6,051.4
Apayao	29,207.2	114,979.8	2,749.0	102,083.7	0	4,839.1	5,044.3
Benguet	41,154.9	69,644.1	8,660.3	3,084.3	0	21,225.0	3,909.8
Ifugao	58,104.2	50,249.9	3,188.0	19,045.2	231.6	56,919.1	4,217.9
Kalinga	44,278.1	78,648.4	3,285.5	53,225.3	0	39,847.0	3,025.2
Mountain Province	29,850.8	50,867.5	2,502.5	28,308.7	0	17,956.2	1,844.3
I - Ilocos Region	**426,569.5**	**419,703.0**	**58,098.8**	**24,163.0**	**19,508.0**	**107,468.8**	**21,642.0**
Ilocos Norte	71,764.1	128,555.3	6,172.0	19,824.8	187.5	38,697.2	5,742.3
Ilocos Sur	66,268.7	124,972.5	8,526.2	26.6	653.9	8,274.1	3,632.9
La Union	53,273.1	66,264.3	9,534.4	0	1,437.9	1,648.2	2,345.1
Pangasinan	235,263.6	99,910.9	33,866.3	4,311.6	17,228.7	58,849.2	9,921.8
II - Cagayan Valley	**923,509.0**	**314,736.2**	**62,422.2**	**488,033.2**	**1,489.8**	**152,038.3**	**39,401.9**
Batanes	1,610.0	10,991.8	195.4	0	0	4,731.5	7.4
Cagayan	288,254.1	99,222.9	23,002.2	207,229.0	1,225.4	60,659.5	17,220.7
Isabela	494,528.0	89,314.3	29,735.5	90,076.2	88.4	11,823.1	15,314.8
Nueva Vizcaya	78,092.6	76,890.8	6,531.5	98,228.6	136.2	62,212.7	3,860.4
Quirino	61,024.2	38,316.3	2,957.5	92,499.4	39.7	12,611.6	2,998.5
III - Central Luzon	**676,379.3**	**333,977.1**	**118,196.4**	**234,839.2**	**61,773.8**	**194,769.4**	**41,591.8**
Aurora	16,168.2	17,953.7	2,670.2	126,883.3	67.0	2,719.9	2,506.6
Bataan	19,772.2	16,117.3	8,176.5	10,793.0	5,332.5	12,380.2	881.0
Bulacan	79,709.2	32,693.2	28,167.0	41,653.6	23,236.2	12,504.3	6,002.2
Nueva Ecija	282,129.0	96,371.4	22,062.8	14,108.7	143.6	46,729.8	9,239.2
Pampanga	97,227.9	13,505.3	30,875.1	649.2	30,282.9	11,748.5	5,420.3
Tarlac	146,566.1	62,181.1	16,276.0	6,298.5	920.7	24,321.8	4,754.1
Zambales	34,806.7	95,155.0	9,968.8	34,452.9	1,790.9	84,364.9	12,788.4
IVA - CALABARZON	**199,534.9**	**209,931.1**	**124,562.5**	**107,044.3**	**9,994.0**	**43,285.3**	**124,933.2**
Batangas	87,285.2	55,500.3	27,211.3	134.2	909.3	2,660.8	24,644.4
Cavite	26,970.2	15,549.5	33,061.2	0	878.0	10,178.4	451.7
Laguna	30,719.5	29,293.2	27,022.5	3,270.7	21.2	2,993.1	92,535.9
Quezon	46,992.8	52,558.4	16,606.2	96,416.8	8,138.8	15,666.5	6,579.7
Rizal	7,567.2	57,029.8	20,661.3	7,222.6	46.7	11,786.4	721.5
MIMAROPA	**289,692.7**	**723,005.6**	**37,115.3**	**110,161.0**	**10,782.6**	**218,956.7**	**33,132.8**
Marinduque	7,095.9	10,822.3	2,023.6	0	518.9	3,221.1	1,036.1
Occidental Mindoro	90,050.8	226,002.1	6,815.2	8,936.8	4,843.8	125,263.2	7,988.0
Oriental Mindoro	78,953.1	49,579.3	10,120.9	5,906.3	2,841.2	26,863.4	15,553.4
Palawan	105,346.7	407,744.5	16,206.0	91,541.3	2,193.1	47,340.1	7,757.8
Romblon	8,246.1	28,857.4	1,949.5	3,776.6	385.6	16,268.9	797.5
V - Bicol Region	**323,031.1**	**233,153.9**	**39,628.7**	**41,148.6**	**18,171.1**	**153,302.2**	**22,924.2**
Albay	48,618.5	15,962.3	9,158.5	9,143.9	345.9	12,238.7	2,160.2
Camarines Norte	17,697.2	66,834.1	3,469.0	9,606.9	3,171.7	6,917.1	3,307.4
Camarines Sur	127,391.9	57,416.6	12,226.4	11,556.0	2,907.6	29,164.6	10,100.0
Catanduanes	7,592.7	57,782.3	3,765.7	7,733.2	385.9	4,133.8	2,209.3
Masbate	93,092.6	31,999.6	6,663.2	0	8,453.6	88,257.1	3,339.7
Sorsogon	28,638.1	3,159.0	4,346.0	3,108.7	2,906.4	12,590.9	1,807.5
VI - Western Visayas	**856,964.7**	**574,738.7**	**47,897.0**	**62,024.6**	**52,976.4**	**103,642.4**	**17,896.0**
Aklan	24,200.5	53,718.9	5,075.4	9,849.4	7,295.9	17,907.9	2,828.4
Antique	55,745.8	84,213.0	5,052.0	20,418.9	395.0	35,570.6	2,986.3
Capiz	108,179.2	79,256.1	7,430.1	11,689.9	16,418.7	6,489.3	4,158.7
Guimaras	15,937.7	7,264.4	669.1	0	1,327.5	536.7	379.8
Iloilo	218,939.9	177,123.0	13,911.0	1,385.4	13,192.8	16,873.4	3,201.9
Negros Occidental	433,961.6	173,163.3	15,759.5	18,681.0	14,346.5	26,264.6	4,340.9
VII - Central Visayas	**335,583.7**	**416,486.1**	**57,344.0**	**4,226.1**	**9,334.4**	**75,178.7**	**8,025.2**
Bohol	80,720.6	70,009.1	11,290.2	0	4,894.5	50,814.4	1,915.4
Cebu	44,130.6	188,514.6	38,355.4	0	2,367.1	5,942.1	2,943.1
Negros Oriental	203,418.6	146,699.3	6,701.4	4,226.1	2,054.0	16,226.8	3,163.8
Siquijor	7,313.9	11,263.1	997.0	0	18.8	2,195.3	2.9

Table 1.7 ***(Continued)***

Region/Province	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	TOTAL
PHILIPPINES	**303,372.7**	**140,135.1**	**4,682,764.4**	**121,729.6**	**6,574,383.5**	**29,563,341.2**
NCR	**105.8**	**200.8**	**2,000.4**	**79.6**	**22.1**	**59,726.7**
Metro Manila	105.8	200.8	2,000.4	79.6	22.1	59,726.7
CAR	**0**	**0**	**556,674.6**	**10,808.5**	**4,168.5**	**1,798,844.4**
Abra	0	0	118,133.1	4,059.4	432.7	397,641.1
Apayao	0	0	134,269.8	1,622.4	1,205.0	396,000.3
Benguet	0	0	106,385.4	1,414.8	17.0	255,495.6
Ifugao	0	0	71,533.0	1,186.1	1,299.6	265,974.5
Kalinga	0	0	60,654.4	2,503.0	365.3	285,832.2
Mountain Province	0	0	65,698.9	22.8	849.0	197,900.7
I - Ilocos Region	**1,378.2**	**0**	**122,061.2**	**16,467.3**	**44,342.3**	**1,261,402.1**
Ilocos Norte	36.4	0	56,191.9	7,503.4	2,694.3	337,369.2
Ilocos Sur	49.2	0	36,930.7	2,410.5	4,542.9	256,288.1
La Union	151.9	0	7,770.6	2,472.9	1,227.8	146,126.3
Pangasinan	1,140.7	0	21,168.0	4,080.5	35,877.3	521,618.5
II - Cagayan Valley	**5,742.6**	**2,212.0**	**557,187.7**	**15,572.4**	**70,127.2**	**2,632,472.3**
Batanes	0	0	2,484.5	346.3	-	20,367.0
Cagayan	5,083.3	2,212.0	136,165.4	8,663.0	34,188.8	883,126.2
Isabela	659.3	0	300,520.8	3,029.3	5,545.8	1,040,635.6
Nueva Vizcaya	0	0	84,001.3	2,840.9	6,199.3	418,994.4
Quirino	0	0	34,015.7	693.0	24,193.4	269,349.2
III - Central Luzon	**1,899.5**	**1,793.9**	**299,826.3**	**20,747.6**	**131,304.9**	**2,117,099.3**
Aurora	478.7	0	92,933.0	1,765.0	44,173.3	308,318.9
Bataan	342.5	0	23,325.7	225.8	34,731.4	132,078.2
Bulacan	436.2	59.8	21,098.9	1,003.0	11,633.0	258,196.5
Nueva Ecija	0	0	61,902.8	2,102.8	8,147.5	542,937.7
Pampanga	89.3	1,734.1	6,516.3	2,072.3	7,860.1	207,981.3
Tarlac	0	0	26,478.8	3,250.4	10,855.5	301,903.0
Zambales	552.8	0	67,570.8	10,328.4	13,904.2	365,683.8
IVA - CALABARZON	**19,303.1**	**3.4**	**145,165.1**	**2,082.9**	**703,949.2**	**1,689,788.8**
Batangas	680.3	0	8,434.7	514.8	111,336.1	319,311.3
Cavite	174.6	0	3,886.8	270.2	36,518.6	127,939.2
Laguna	0	0	10,017.6	72.9	65,154.5	261,101.2
Quezon	18,448.2	0	113,159.4	514.8	481,272.7	856,354.4
Rizal	0	3.4	9,666.5	710.2	9,667.2	125,082.7
MIMAROPA	**68,416.5**	**682.7**	**769,216.8**	**12,992.6**	**411,143.6**	**2,685,298.9**
Marinduque	3,011.7	0	10,892.7	1,152.0	52,512.5	92,286.9
Occidental Mindoro	1,837.6	0	107,676.6	5,579.1	6,902.1	591,895.2
Oriental Mindoro	3,088.1	670.9	88,232.9	1,998.8	142,729.1	426,537.4
Palawan	59,421.2	9.6	543,496.5	3,789.3	157,899.3	1,442,745.5
Romblon	1,058.0	2.3	18,918.0	473.4	51,100.5	131,833.8
V - Bicol Region	**24,404.5**	**1,723.2**	**133,825.6**	**5,592.6**	**738,349.1**	**1,735,254.8**
Albay	1,325.4	689.8	20,326.1	2,530.4	118,645.6	241,145.2
Camarines Norte	4,595.9	0	14,674.7	553.1	81,671.6	212,498.7
Camarines Sur	7,348.8	893.0	43,913.4	282.0	228,026.2	531,226.5
Catanduanes	1,814.7	0	36,897.2	565.3	23,259.7	146,139.8
Masbate	5,437.1	140.5	91.9	1,127.8	160,332.6	398,935.5
Sorsogon	3,882.6	0	17,922.3	534.0	126,413.5	205,309.1
VI - Western Visayas	**14,399.6**	**20.8**	**127,365.1**	**10,525.3**	**148,397.5**	**2,016,848.3**
Aklan	1,583.9	0	26,556.3	1,839.8	30,645.6	181,502.1
Antique	905.3	20.8	40,210.9	5,552.3	23,548.1	274,619.0
Capiz	3,368.6	0	12,552.2	1,740.8	7,056.7	258,340.2
Guimaras	817.3	0	0	7.5	32,901.0	59,840.8
Iloilo	2,227.7	0	19,550.3	148.9	1,138.2	467,692.6
Negros Occidental	5,496.7	0	28,495.5	1,236.0	53,107.8	774,853.5
VII - Central Visayas	**19,037.2**	**60.6**	**56,223.8**	**3,005.6**	**436,208.3**	**1,420,713.8**
Bohol	12,942.1	0	19,884.0	290.4	144,452.1	397,212.9
Cebu	4,453.1	60.6	3,560.2	1,845.8	195,291.9	487,464.5
Negros Oriental	1,510.0	0	31,971.7	730.0	87,410.0	504,111.8
Siquijor	132.0	0	807.9	139.4	9,054.3	31,924.5

Continued

Table 1.7 *(Continued)*
LAND COVER OF THE PHILIPPINES BY REGION AND PROVINCE
As of 2015
(in hectares)

Region/Province	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
VIII - Eastern Visayas	**204,428.0**	**369,049.1**	**31,475.9**	**42,667.3**	**5,054.5**	**38,473.9**	**17,587.1**
Biliran	5,214.1	3,757.7	1,564.6	0	26.4	1,478.5	240.7
Eastern Samar	28,871.3	61,062.8	3,735.1	20,432.9	43.7	8,362.9	3,620.4
Leyte	100,796.2	70,798.9	13,784.0	14,179.2	1,884.1	9,398.5	4,644.1
Northern Samar	38,147.5	38,719.3	4,794.3	0	1,053.7	4,057.5	3,666.1
Southern Leyte	9,200.1	53,391.8	3,411.3	4,257.1	106.0	4,086.9	946.9
Western Samar	22,198.9	141,318.5	4,186.7	3,798.1	1,940.6	11,089.6	4,468.9
IX - Zamboanga Peninsula	**118,926.5**	**297,792.5**	**15,091.0**	**28,775.2**	**23,765.8**	**143,779.0**	**11,008.6**
Isabela City	81.3	1,004.8	564.8	1,091.7	500.9	328.9	231.4
Zamboanga City	3,935.5	41,641.5	4,423.5	14,611.7	4,815.4	12,495.2	581.7
Zamboanga Del Norte	22,425.0	147,917.3	4,130.6	8,882.3	1,912.4	63,452.6	4,932.9
Zamboanga Del Sur	59,576.7	83,860.4	2,823.9	1,520.0	6,050.0	53,997.4	3,500.9
Zamboanga Sibugay	32,907.9	23,368.5	3,148.1	2,669.5	10,487.1	13,504.9	1,761.5
X - Northern Mindanao	**491,039.9**	**238,153.5**	**48,883.8**	**179,007.5**	**4,528.2**	**128,200.6**	**16,152.7**
Bukidnon	400,496.4	126,028.3	20,316.8	126,626.3	0	80,742.6	8,171.1
Camiguin	640.1	772.5	813.3	3,485.6	0	1,062.9	69.9
Lanao Del Norte	34,965.2	38,661.9	7,592.7	15,128.8	2,646.2	8,859.5	3,223.3
Misamis Occidental	13,881.5	15,987.3	5,961.7	23,273.7	1,252.5	4,200.8	1,375.8
Misamis Oriental	41,056.7	56,703.5	14,199.2	10,493.0	629.5	33,334.7	3,312.7
XI - Davao Region	**94,964.6**	**470,543.4**	**45,093.9**	**151,822.0**	**5,749.9**	**126,818.9**	**17,490.0**
Compostela Valley	20,865.1	111,440.6	8,479.4	50,886.4	287.1	2,756.0	4,240.9
Davao Del Norte	28,525.1	75,518.9	10,136.4	11,421.7	1,846.5	16,654.2	4,061.8
Davao Del Sur	29,260.4	116,330.3	17,246.0	6,037.3	1,607.3	24,896.4	2,620.2
Davao Occidental	1,459.5	27,307.8	1,355.2	14,518.4	640.0	49,921.2	969.0
Davao Oriental	14,854.5	139,945.8	7,877.0	68,958.2	1,369.0	32,591.2	5,598.0
XII - SOCCSKSARGEN	**528,927.9**	**367,487.4**	**46,758.2**	**93,152.7**	**3,251.8**	**188,470.5**	**22,420.3**
Cotabato City	2,654.7	17.5	1,378.8	0	1,222.7	197.3	1,003.0
North Cotabato	247,904.4	54,508.0	15,280.5	18,417.5	20.6	34,028.6	5,411.8
Sarangani	37,294.1	77,965.1	3,430.9	14,995.1	1,164.2	85,520.2	3,043.3
South Cotabato	116,705.2	134,576.9	18,114.2	37,978.0	290.8	26,018.9	3,642.3
Sultan Kudarat	124,369.7	100,420.0	8,553.8	21,762.1	553.5	42,705.6	9,319.9
XIII - Caraga Region	**159,251.4**	**409,313.2**	**26,697.3**	**125,937.0**	**6,329.5**	**33,426.2**	**41,752.8**
Agusan Del Norte	22,850.5	54,327.5	7,178.3	3,469.0	3,446.5	6,795.1	17,875.9
Agusan Del Sur	82,970.2	215,510.1	9,557.5	47,452.9	0	3,767.2	12,869.9
Dinagat Islands	3,598.0	23,165.0	939.5	6,373.2	72.9	8,509.7	1,194.6
Surigao Del Norte	17,695.7	41,594.8	4,537.6	7,931.5	1,039.0	11,388.9	2,440.7
Surigao Del Sur	32,137.0	74,715.7	4,484.5	60,710.5	1,771.0	2,965.4	7,371.7
ARMM	**247,293.9**	**166,970.1**	**16,201.9**	**84,468.3**	**1,957.1**	**53,944.2**	**49,989.3**
Basilan	1,084.5	6,483.5	1,889.6	9,754.1	579.8	1,743.0	1,377.3
Lanao Del Sur	76,946.7	35,107.2	3,476.5	63,269.7	43.7	8,328.8	37,612.1
Maguindanao	162,064.1	63,091.8	6,607.5	11,444.5	1,217.9	31,458.3	7,453.5
Sulu	7,198.6	25,020.8	2,466.8	0	59.5	2,067.4	2,617.0
Tawi-Tawi	0	37,266.7	1,761.6	0	56.2	10,346.6	929.5

Notes:

Generated from 2015 Land Cover Maps based on digitally classified LANDSAT 8 imageries with 30m resolution taken from 2014-2016 with ground validation.

Projection: PRS 1992

Source: National Mapping and Resource Information Authority

Table 1.7 ***(Concluded)***

Region/Province	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	TOTAL
VIII - Eastern Visayas	**34,051.6**	**3,928.9**	**435,242.9**	**3,801.5**	**901,225.7**	**2,086,986.4**
Biliran	399.4	0	9,048.9	22.2	31,510.0	53,262.4
Eastern Samar	8,059.8	12.9	154,245.9	2,016.5	136,419.7	426,884.0
Leyte	6,348.2	3,169.8	54,394.2	487.7	279,036.5	558,921.4
Northern Samar	9,138.5	746.2	39,372.2	1,042.2	197,192.1	337,929.6
Southern Leyte	437.5	0	25,302.3	136.4	63,856.6	165,132.8
Western Samar	9,668.2	0	152,879.5	96.5	193,210.8	544,856.2
IX - Zamboanga Peninsula	**25,275.2**	**96.8**	**116,920.0**	**1,030.0**	**672,012.2**	**1,454,472.6**
Isabela City	752.9	0	489.2	80.4	16,627.8	21,754.3
Zamboanga City	5,649.3	96.8	8,110.9	83.1	47,693.9	144,138.6
Zamboanga Del Norte	999.4	0	72,370.2	822.2	299,107.6	626,952.5
Zamboanga Del Sur	6,469.9	0	10,699.9	9.7	148,676.2	377,185.0
Zamboanga Sibugay	11,403.7	0	25,249.7	34.5	159,906.6	284,442.1
X - Northern Mindanao	**5,217.2**	**6.4**	**198,132.1**	**829.3**	**435,203.6**	**1,745,354.6**
Bukidnon	0	0	75,822.2	67.4	55,158.0	893,429.1
Camiguin	18.9	0	2,025.8	33.6	15,348.5	24,271.2
Lanao Del Norte	2,438.6	6.4	55,710.8	384.8	138,295.2	307,913.4
Misamis Occidental	2,472.5	0	14,725.5	15.1	105,790.8	188,937.4
Misamis Oriental	287.1	0	49,847.7	328.3	120,611.2	330,803.5
XI - Davao Region	**3,501.3**	**40.0**	**245,290.0**	**3,487.6**	**715,641.0**	**1,880,442.8**
Compostela Valley	170.8	0	72,467.5	355.3	179,173.1	451,122.3
Davao Del Norte	563.1	40.0	41,650.8	363.7	161,308.4	352,090.5
Davao Del Sur	221.0	0	26,243.5	644.5	177,120.6	402,227.4
Davao Occidental	227.1	0	19,709.8	240.2	84,209.5	200,557.8
Davao Oriental	2,319.3	0	85,218.4	1,883.9	113,829.4	474,444.7
XII - SOCCSKSARGEN	**1,848.9**	**27,787.5**	**182,889.1**	**2,014.8**	**386,174.6**	**1,851,183.9**
Cotabato City	658.3	2,980.6	189.8	2.7	1,128.3	11,433.7
North Cotabato	0	23,626.7	26,891.0	312.5	203,844.3	630,245.9
Sarangani	242.1	0	38,588.3	928.3	63,101.5	326,273.0
South Cotabato	32.2	358.0	36,932.6	464.7	61,115.2	436,229.1
Sultan Kudarat	916.3	822.2	80,287.4	306.5	56,985.3	447,002.2
XIII - Caraga Region	**27,049.7**	**44,920.5**	**571,785.6**	**9,703.0**	**438,698.4**	**1,894,864.7**
Agusan Del Norte	1,222.0	162.1	68,889.5	992.9	120,577.3	307,786.7
Agusan Del Sur	0	44,524.0	309,202.6	69.7	70,692.6	796,616.6
Dinagat Islands	2,230.0	0	20,774.8	1,690.9	12,029.1	80,577.6
Surigao Del Norte	13,913.5	234.4	14,377.2	4,896.1	82,747.6	202,797.0
Surigao Del Sur	9,684.3	0	158,541.5	2,053.4	152,651.8	507,086.8
ARMM	**51,741.9**	**56,657.5**	**162,958.1**	**2,989.1**	**337,415.3**	**1,232,586.8**
Basilan	8,955.9	129.2	2,340.8	589.7	79,232.8	114,160.1
Lanao Del Sur	461.4	0	89,658.8	11.7	45,875.7	360,792.4
Maguindanao	1,509.2	56,528.3	41,184.0	639.2	106,723.7	489,922.1
Sulu	26,530.7	0	2,209.0	622.2	82,352.8	151,145.0
Tawi-Tawi	14,284.7	0	27,565.4	1,126.3	23,230.2	116,567.2

Table 1.8
COASTAL RESOURCE STATISTICS, 1st Cycle
2013 to 2016
(in hectares)

Region/Province		Area Per Class	
		Corals	Mangroves
	PHILIPPINES	**797,814**	**303,521**
	LUZON	***484,572***	***121,251***
NCR		**0**	**106**
	Metro Manila	0	106
I - Ilocos Region		**16,770**	**1,378**
	Ilocos Norte	1,381	36
	Ilocos Sur	1,456	49
	La Union	703	152
	Pangasinan	13,230	1,141
II - Cagayan Valley		**16,419**	**5,742**
	Batanes	2,392	
	Cagayan	10,404	5,083
	Isabela	3,623	659
III - Central Luzon		**14,117**	**1,900**
	Aurora	2,318	479
	Bataan	1,198	343
	Bulacan	0	436
	Pampanga	0	89
	Zambales	10,601	553
IVA - CALABARZON		**41,667**	**19,303**
	Batangas	2,891	680
	Cavite	347	175
	Quezon	38,429	18,448
MIMAROPA		**325,925**	**68,417**
	Marinduque	3,282	3,012
	Occidental Mindoro	17,883	1,838
	Oriental Mindoro	2,899	3,088
	Romblon	9,344	1,058
	Palawan	292,517	59,421
V - Bicol Region		**69,674**	**24,405**
	Albay	7,418	1,325
	Camarines Norte	13,068	4,596
	Camarines Sur	8,758	7,349
	Catanduanes	5,992	1,815
	Masbate	30,434	5,437
	Sorsogon	4,004	3,883
	VISAYAS	***131,115***	***67,637***
VI - Western Visayas		**21,597**	**14,400**
	Aklan	2,426	1,584
	Antique	3,020	905
	Capiz	595	3,369
	Guimaras	1,174	817
	Iloilo	6,780	2,228
	Negros Occidental	7,602	5,497

Continued

Table 1.8 *(Concluded)*
COASTAL RESOURCE STATISTICS, 1st Cycle
2013 to 2016
(in hectares)

Region/Province		Area Per Class	
		Corals	Mangroves
VII - Central Visayas		**61,670**	**19,037**
	Bohol	19,847	12,942
	Cebu	39,115	4,453
	Negros Oriental	1,588	1,510
	Siquijor	1,120	132
VIII - Eastern Visayas		**47,848**	**34,200**
	Biliran	1,462	399
	Eastern Samar	16,959	8,060
	Leyte	8,610	6,348
	Northern Samar	15,861	9,288
	Southern Leyte	2,374	437
	Western Samar	2,582	9,668
	MINDANAO	***182,127***	***114,633***
IX - Zamboanga Peninsula		**21,941**	**25,275**
	Isabela City	164	753
	Zamboanga City	4,407	5,649
	Zamboanga Del Norte	3,789	999
	Zamboanga Del Sur	5,906	6,470
	Zamboanga Sibugay	7,675	11,404
X - Northern Mindanao		**5,193**	**5,218**
	Camiguin	873	19
	Lanao Del Norte	950	2,439
	Misamis Occidental	1,765	2,473
	Misamis Oriental	1,605	287
XI - Davao Region		**12,573**	**3,501**
	Compostela Valley	371	171
	Davao Del Norte	1,519	563
	Davao Del Sur	1,079	222
	Davao Occidental	2,185	226
	Davao Oriental	7,419	2,319
XII - SOCCSKSARGEN		**2,399**	**1,848**
	Cotabato City	0	658
	Sarangani	1,180	242
	South Cotabato	167	32
	Sultan Kudarat	1,052	916
XIII - Caraga Region		**31,120**	**27,049**
	Agusan Del Norte	618	1,222
	Dinagat Islands	4,843	2,230
	Surigao Del Norte	11,370	13,913
	Surigao Del Sur	14,289	9,684
ARMM		**108,901**	**51,742**
	Basilan	4,730	8,956
	Lanao Del Sur	680	461
	Maguindanao	2,055	1,509
	Sulu	28,851	26,531
	Tawi-Tawi	72,585	14,285

Note: Totals may not add up due to rounding.
Source: National Mapping and Resource Information Authority

Table 1.9
AREA BY SOIL TAXONOMY
(in hectares)

Soil Taxonomy	Area
TOTAL	**30,000,000.00**
Acrisols	14,446,759.62
Cambisols	5,246,359.04
Lixisols	3,747,068.86
Fluvisols	2,110,593.74
Phaeozems	1,624,355.82
Andosols	767,943.58
Arenosols	615,841.57
Vertisols	600,240.72
Gleysols	311,154.72
Unclassified	288,631.94
Stagnosols	72,937.89
Regosols	66,881.88
Alisols	56,587.95
Luvisols	22,948.82
Nitisols	9,551.69
Histosols	7,617.26
Technosols	4,524.90

Source: Bureau of Soils and Water Management, DA

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Table 1.10
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
TOTAL	**352,491.8**	**1,045,476.4**	**43,411.1**	**739,626.7**	**11,974.4**	**260,821.9**	**121,109.1**
Abasig-Matogdon Mananap Natural Biotic Area	20.5	712.4	2.3	3,853.2	0.0	0.0	26.1
Agoo-Damortis Protected Landscape and Seascape	22.9	0.0	27.7	0.0	54.6	76.2	1.2
Agusan Marsh Wildlife Sanctuary	4,939.6	1,178.1	154.2	0.0	0.0	13.7	3,034.5
Aklan River Watershed Forest Reserve	8.2	4,843.6	8.7	7,305.3	0.0	816.7	251.4
Alabat Watershed Forest	0.0	4.8	0.0	0.0	0.0	0.0	0.0
Alamio, Buayan, Carac-an, Panikian River and Sipangpang Falls Watershed Forest Reserve	111.0	1,589.3	27.6	16,179.7	0.0	143.8	684.0
Alburquerque-Loay-Loboc Protected Landscape and Seascape	1.0	0.3	20.3	0.0	14.9	0.0	24.1
Aliguay Island Protected Landscape and Seascape	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alihawan-Cansujay-Anibongan River Watershed Forest Reserve	343.2	1,221.0	64.4	0.0	0.0	65.1	0.0
Aliwagwag Protected Landscape	0.0	2,469.6	5.4	5,262.8	0.0	31.3	82.1
Allah Valley Watershed Forest Reserve	24,849.5	40,756.5	1,209.5	14,587.6	20.8	2,971.1	1,399.1
Amro River Protected Landscape	0.0	23.0	0.8	939.8	0.0	0.0	71.9
Andanan Watershed Forest Reserve	193.6	11,519.9	134.4	59.6	0.0	227.1	177.0
Angat Watershed and Forest Range (Pilot)	0.2	3,332.1	0.0	2,294.1	0.0	594.5	52.2
Angat Watershed Forest Reserve District (Metro Water	0.0	1,850.8	12.9	39,436.8	0.0	9.3	2,432.5
Apo Island Protected Landscape and Seascape	0.0	22.8	6.7	0.0	0.0	5.1	1.7
Apo Reef Natural Park	0.0	10.0	0.0	0.0	0.0	0.0	1.3
Aurora Memorial National Park	88.0	1,414.2	26.4	2,740.3	0.0	23.9	5.5
Aurora Watershed Forest Reserve	0.0	0.0	0.0	1,584.6	0.0	0.0	0.0
Baganga Protected Landscape	0.0	1.3	0.0	0.0	0.0	2.5	0.0
Balbalasang-Balbalan National Park	168.1	12.6	6.2	56.3	0.0	0.0	13.8
Baliangao Protected Landscape and Seascape	0.0	0.0	0.0	0.0	3.2	0.0	16.7
Balinsasayao Twin Lakes Natural Park	76.2	2,390.9	0.0	485.8	0.0	0.0	127.1
Bangan Hill National Park	0.0	3.8	5.7	0.0	0.0	0.0	0.0
Barrio Bagumbang to Malautan River	29.4	7.8	33.7	0.0	157.8	0.0	1.0
Basilan Natural Biotic Area	20.8	432.3	0.0	1,508.5	0.0	82.9	0.0
Bataan National Park	68.6	4,032.4	44.0	4,366.3	0.0	1,418.0	34.5
Batanes Protected Landscape and Seascape	1,610.0	10,991.8	195.4	0.0	0.0	4,731.4	7.4
Bawa Watershed Forest Reserve	377.6	192.6	0.0	8,053.2	0.0	61.6	104.9
Bessang Pass Natural Monument/Landmark	0.0	138.3	0.0	0.0	0.0	0.0	0.0
Biak-na-Bato National Park	95.0	1,853.7	0.0	0.0	0.0	161.8	1.8
Bicol Natural Park	162.2	3,496.8	0.5	692.7	0.0	104.7	66.3
Bigbiga Protected Landscape	2.0	140.8	0.0	0.0	0.0	0.0	0.0
Binahaan River Watershed Forest Reserve	0.0	44.0	0.0	0.0	0.0	0.0	0.0
Biri Larosa Protected Landscape and Seascape	863.7	227.4	306.6	0.0	519.3	523.2	89.5
Bongsanglay Natural Park	0.1	12.4	0.5	0.0	8.0	0.0	0.0

Table 1.10 *(Continued)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
TOTAL	**103,533.8**	**32,444.3**	**1,583,244.5**	**12,948.0**	**365,817.3**	**4,672,899.3**
Abasig-Matogdon Mananap Natural Biotic Area	0.0	0.0	513.5	0.0	790.2	5,918.3
Agoo-Damortis Protected Landscape and Seascape	23.7	0.0	0.0	62.2	1.1	269.4
Agusan Marsh Wildlife Sanctuary	0.0	29,994.8	0.0	0.0	1,626.0	40,941.0
Aklan River Watershed Forest Reserve	0.0	0.0	10,898.0	0.1	0.0	24,131.9
Alabat Watershed Forest	0.0	0.0	74.0	0.0	238.1	316.9
Alamio, Buayan, Carac-an, Panikian River and Sipangpang Falls Watershed Forest Reserve	0.0	0.0	23,360.5	377.6	872.2	43,345.7
Alburquerque-Loay-Loboc Protected Landscape and Seascape	483.7	0.0	0.0	0.0	47.7	591.9
Aliguay Island Protected Landscape and Seascape	0.0	0.0	0.0	11.5	70.3	81.8
Alihawan-Cansujay-Anibongan River Watershed Forest Reserve	0.0	0.0	820.6	13.1	1,210.0	3,737.4
Aliwagwag Protected Landscape	0.0	0.0	2,336.2	0.8	73.0	10,261.1
Allah Valley Watershed Forest Reserve	0.0	0.0	7,666.2	79.7	4,993.7	98,533.6
Amro River Protected Landscape	0.0	0.0	5,282.4	0.0	113.4	6,431.3
Andanan Watershed Forest Reserve	0.0	0.0	4,534.5	1.1	338.3	17,185.6
Angat Watershed and Forest Range (Pilot)	0.0	0.0	393.4	0.0	5.2	6,671.6
Angat Watershed Forest Reserve District (Metro Water	0.0	0.0	10,787.7	41.6	2.6	54,574.3
Apo Island Protected Landscape and Seascape	0.0	0.0	0.0	0.0	38.7	75.0
Apo Reef Natural Park	9.5	0.0	0.0	4.9	0.0	25.8
Aurora Memorial National Park	0.0	0.0	2,157.7	38.9	22.1	6,516.9
Aurora Watershed Forest Reserve	0.0	0.0	0.0	42.7	0.0	1,627.3
Baganga Protected Landscape	0.0	0.0	0.0	0.0	111.0	114.9
Balbalasang-Balbalan National Park	0.0	0.0	1,159.3	26.5	0.0	1,442.8
Baliangao Protected Landscape and Seascape	74.2	0.0	0.0	0.0	27.5	121.7
Balinsasayao Twin Lakes Natural Park	0.0	0.0	4,882.7	0.0	53.3	8,016.0
Bangan Hill National Park	0.0	0.0	3.5	0.0	0.0	13.1
Barrio Bagumbang to Malautan River	142.9	0.0	0.0	0.1	129.5	502.1
Basilan Natural Biotic Area	0.0	0.0	856.2	0.0	1,645.3	4,546.0
Bataan National Park	0.0	0.0	7,313.5	0.0	2,714.7	19,991.9
Batanes Protected Landscape and Seascape	0.0	0.0	2,484.5	346.3	0.0	20,366.9
Bawa Watershed Forest Reserve	0.0	0.0	604.5	15.7	37.1	9,447.2
Bessang Pass Natural Monument/Landmark	0.0	0.0	442.8	0.0	0.0	581.0
Biak-na-Bato National Park	0.0	0.0	0.0	0.0	0.0	2,112.4
Bicol Natural Park	0.0	0.0	493.8	0.0	449.4	5,466.3
Bigbiga Protected Landscape	0.0	0.0	0.0	0.0	0.0	142.9
Binahaan River Watershed Forest Reserve	0.0	0.0	429.3	0.0	3.0	476.3
Biri Larosa Protected Landscape and Seascape	3,852.4	29.9	0.0	107.7	3,876.8	10,396.4
Bongsanglay Natural Park	194.9	0.0	0.0	0.0	44.6	260.5

Continued

Table 1.10 *(Continued)*
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
Buenavista Protected Landscape	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buhi Wildlife Sanctuary	35.1	10.9	23.7	0.0	0.0	0.0	1,436.6
Bulabog-Putian National Park	0.7	12.8	0.0	0.0	0.0	0.0	0.0
Bulusan Volcano Natural Park	0.0	0.0	0.0	1,755.0	0.0	210.7	25.7
Buug Natural Biotic Area	26.8	916.5	16.2	0.0	0.0	35.0	0.0
Cabadbaran River Watershed Forest Reserve	0.0	2,889.4	11.0	816.6	0.0	971.7	107.6
Calabgan Watershed Forest Reserve	0.0	0.0	0.0	873.9	0.0	0.0	47.6
Calatrava, San Andres, San Agustin Watershed Forest Reserve	0.0	878.7	0.0	0.0	0.0	83.7	0.0
Calauag Watershed Forest Reserve	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calauit Island Game Preserve and Wildlife Sanctuary	267.7	2,164.9	9.1	0.0	7.0	359.0	1.0
Calavite & F.B. Harrison Game Refuge and Bird Sanctuary	5,499.3	46,018.7	351.3	95.6	0.0	40,169.4	1,837.0
Calbayog-Pan-As Hayiban Protected Landscape	0.0	1,565.0	0.3	0.0	0.0	0.0	34.1
Camotes Island Protected Landscape and Seascape	24.2	48.9	6.9	0.0	0.0	0.0	547.8
Capalonga Watershed Forest Reserve	3.4	39.8	0.0	0.0	0.0	0.0	0.0
Caramoan National Park	13.8	171.7	1.8	0.0	0.0	6.8	8.5
Casecnan Protected Lanscape	5,119.8	8,044.8	298.6	55,519.7	0.0	5,355.7	875.1
Cassamata Hill National Park	1.2	16.2	20.0	0.0	0.0	4.4	0.0
Catanduanes Watershed Forest Reserve	63.3	14,542.4	73.4	6,122.6	0.0	317.1	429.0
Central Cebu Protected Landscape	2,556.9	15,075.6	465.0	0.0	0.0	5.8	384.2
Chico Island Wildlife Sanctuary	0.0	0.1	0.1	0.0	0.0	0.9	0.0
Chocolate Hills Natural Monument	4,477.1	3,101.8	334.4	0.0	0.0	1,009.0	0.0
Cuatro Islas Protected Landscape and Seascape	0.0	0.0	8.2	0.0	0.0	0.0	0.0
Dahican Watershed Forest Reserve	0.0	0.0	0.0	0.0	0.0	1.8	0.0
Dalanas River Watershed Forest Reserve	87.0	2,219.2	4.2	2,111.9	0.0	1,114.7	68.7
Dibalo-Pingit-Zabali-Malayat Watershed Forest Reserve	0.0	0.0	0.0	2,600.8	0.0	0.0	0.0
Dinadiawan River Protected Landscape	0.0	32.8	0.0	737.4	0.0	0.0	66.5
Dipaculao Watershed Forest Reserve	0.0	498.9	3.8	46.6	0.0	0.0	14.5
Doña Remedios - General Tinio Watershed	0.0	269.0	0.0	6,957.7	0.0	59.1	258.8
Dumanquilas Bay Protected Landscape and Seascape	3.5	28.4	33.5	0.0	0.1	0.0	9.7
Dupax Watershed Reservation	0.2	83.4	0.0	0.0	0.0	120.3	0.0
El Nido Managed Resource Protected Area	1,637.2	12,816.0	245.1	0.0	9.4	185.4	107.9
Entire Province of Palawan (MSFR)	506.5	3,429.4	313.4	0.0	1,353.4	507.8	744.1
Fuyot Springs National Park	591.5	568.8	0.0	0.0	0.0	0.0	0.0
Great and Little Sta. Cruz Islands Protected Landscape and Seascape	0.0	106.6	1.0	0.0	0.0	0.0	60.5
Guadalupe Mabugnao Mainit Hot Spring National Park	0.0	58.3	0.0	0.0	0.0	0.0	0.0
Guiuan Protected Landscape and Seascape	5.7	977.6	178.0	0.0	3.5	635.3	11.9

Table 1.10 *(Continued)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
Buenavista Protected Landscape	0.0	0.0	0.0	0.0	287.2	287.2
Buhi Wildlife Sanctuary	0.0	0.0	0.0	0.0	114.4	1,620.7
Bulabog-Putian National Park	0.0	0.0	875.7	0.0		889.3
Bulusan Volcano Natural Park	0.0	0.0	1,433.8	200.6	15.7	3,641.6
Buug Natural Biotic Area	0.0	0.0	97.9	0.0	169.1	1,261.5
Cabadbaran River Watershed Forest Reserve	0.0	0.0	10,366.9	0.0	17.1	15,180.3
Calabgan Watershed Forest Reserve	0.0	0.0	3,698.6	0.0	9.4	4,629.5
Calatrava, San Andres, San Agustin Watershed Forest Reserve	0.0	0.0	1,225.2	0.0	426.6	2,614.3
Calauag Watershed Forest Reserve	0.0	0.0	0.0	0.0	307.0	307.0
Calauit Island Game Preserve and Wildlife Sanctuary	450.7	0.0	287.8	14.8	94.3	3,656.3
Calavite & F.B. Harrison Game Refuge and Bird Sanctuary	0.0	0.0	11,075.9	1,408.9	23.1	106,479.1
Calbayog-Pan-As Hayiban Protected Landscape	0.0	0.0	2,140.7	0.0	1,327.9	5,067.9
Camotes Island Protected Landscape and Seascape	525.6	0.0	0.0	0.0	175.4	1,328.8
Capalonga Watershed Forest Reserve	0.0	0.0	0.0	0.0	315.8	358.9
Caramoan National Park	0.0	0.0	142.3	0.0	1.4	346.4
Casecnan Protected Lanscape	0.0	0.0	10,874.4	107.2	51.5	86,246.8
Cassamata Hill National Park	0.0	0.0	13.4	0.0	0.0	55.2
Catanduanes Watershed Forest Reserve	0.0	0.0	27,159.8	3.4	213.2	48,924.1
Central Cebu Protected Landscape	0.0	0.0	1,115.2	0.0	8,885.9	28,488.6
Chico Island Wildlife Sanctuary	3.8	0.0	0.0	0.0	0.2	5.0
Chocolate Hills Natural Monument	0.0	0.0	81.1	0.0	4,991.5	13,995.0
Cuatro Islas Protected Landscape and Seascape	0.0	0.0	0.0	9.1	111.9	129.2
Dahican Watershed Forest Reserve	0.0	0.0	0.0	0.0	40.4	42.2
Dalanas River Watershed Forest Reserve	0.0	0.0	2,274.6	22.1	52.3	7,954.7
Dibalo-Pingit-Zabali-Malayat Watershed Forest Reserve	0.0	0.0	1,952.9	0.0	18.1	4,571.8
Dinadiawan River Protected Landscape	0.0	0.0	1,829.0	0.0	700.9	3,366.5
Dipaculao Watershed Forest Reserve	0.0	0.0	1,585.6	0.0	528.8	2,678.3
Doña Remedios - General Tinio Watershed	0.0	0.0	13,386.2	0.0	0.0	20,930.8
Dumanquilas Bay Protected Landscape and Seascape	141.6	0.0	0.0	0.0	184.3	401.2
Dupax Watershed Reservation	0.0	0.0	133.7	0.0	0.8	338.5
El Nido Managed Resource Protected Area	1,647.1	0.0	21,163.1	74.8	715.0	38,601.1
Entire Province of Palawan (MSFR)	43,302.8	0.0	445.7	134.3	2,692.2	53,429.5
Fuyot Springs National Park	0.0	0.0	0.0	0.0	0.0	1,160.3
Great and Little Sta. Cruz Islands Protected Landscape and Seascape	129.7	0.0	0.0	6.7	0.0	304.5
Guadalupe Mabugnao Mainit Hot Spring National Park	0.0	0.0	0.0	0.0	4.0	62.3
Guiuan Protected Landscape and Seascape	368.7	3.0	586.9	192.4	1,370.8	4,333.7

Continued

Table 1.10 *(Continued)*
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
Hinulugan Taktak Protected Landscape	0.0	0.0	3.6	0.0	0.0	0.0	0.0
Hundred Island National Park	2.1	222.7	4.1	0.0	75.1	0.0	0.0
Ilocos Norte Metro Watershed Forest Reserve	6.2	1,105.3	0.0	0.0	0.0	485.6	1.4
Ilog-Hilabangan Watershed Forest Reserve	1,242.1	8,532.0	0.0	0.0	0.0	132.1	104.8
Infanta Watershed Forest Reserve	0.0	8.7	0.0	191.1	0.0	0.0	0.0
Initao-Libertad Protected Landscape and Seascape	3.5	0.0	3.8	0.0	0.0	0.0	0.0
Isabela (Monte-alto Timber Resouce Corporation Parcel (1 & 2)	79.9	1,012.7	0.0	0.0	0.0	26.0	0.6
Island of Basot and Quinalaang	17.0	95.3	29.7	0.0	5.3	1,070.5	16.1
Island of Alibijaban / Alibijaban Island Protected Landscape and Seascape	146.8	4.2	6.8	0.0	0.0	0.0	0.0
Island of Ambugan / Hambungan & Inabanga River (MSFR)	12.0	0.0	5.4	0.0	8.1	3.3	44.6
Island of Awasan, Cabilan, Capaquian, Sugbuhan and Tagboaba	7.5	236.3	12.5	0.0	6.5	480.5	5.8
Island of Bantayan	4,582.3	1,102.2	1,076.8	0.0	32.2	261.9	34.9
Island of Budlanan, Bugatusan, Panga, Silo, Cabgan, Canconstino, tabaon, Maagpit, and Islet of Basihan, Bugatusan, Hayaan, Inanoran , and Poom Point East of Basihan Islet (Getafe Group of Island) (Clarin Group of Island)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Island of Catiil, Colangaman, Lomislis, Tagangdio, Tintinan, and islet of Pamasuan	0.0	3.5	1.3	0.0	0.0	0.0	0.0
Island of Dampalit	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Island of DInagat, Hikdop, Sibate and Hanigad	9.8	53.4	11.6	0.0	32.6	35.6	210.2
Island of Guinauycan and Pobre	4.6	50.0	10.7	0.0	3.3	1.0	1.7
Island of Lamagon(Lamayan), Cepaya and Cobeton	0.0	11.6	0.0	0.0	0.0	0.0	18.1
Island of Majaba and Napayuan	294.3	0.0	0.0	0.0	0.0	4.7	1.5
Island of Pamusuan, Handayan, Majanay,,, Islets of Bonoon, Lapinig, Pinahon and Lapinig Chico,,, Mangrove areas east of Soom River Pangpang**	79.3	11.5	13.7	0.0	303.1	32.3	28.8
Island of Polilio, Alabat, Cabelete, Jomalig, Patnanongan, Kalotkot, Kalongkooan, Palasan, Calabao, Icol and San Rafael	48.7	33.3	23.0	0.0	33.8	4.2	74.0
Island of Rasa	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Island of Sta Cruz and Salomague, foreshoreline of dapdap and alabo to the mouth of tagum river, malinoa creek to salomague point, foreshoreline of Barrio Cabuyagan to eastern side of Dating Bayan RIver in Calancan Bay	104.2	246.1	12.4	0.0	138.2	35.2	17.0
Jalaur River Watershed Forest Reserve	8.6	6,831.0	0.0	572.2	0.0	34.1	9.9
Jose Rizal Memorial Protected Landscape	0.0	9.3	2.2	0.0	0.0	21.6	1.0

Table 1.10 *(Continued)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
Hinulugan Taktak Protected Landscape	0.0	0.0	0.0	0.0	0.0	3.6
Hundred Island National Park	6.6	0.0	0.0	1.7	0.0	312.4
Ilocos Norte Metro Watershed Forest Reserve	0.0	0.0	649.2	0.0	0.0	2,247.7
Ilog-Hilabangan Watershed Forest Reserve	0.0	0.0	22.3	49.9	392.5	10,475.6
Infanta Watershed Forest Reserve	0.0	0.0	269.6	3.0	7.4	479.8
Initao-Libertad Protected Landscape and Seascape	0.0	0.0	53.7	0.0	2.7	63.7
Isabela (Monte-alto Timber Resouce Corporation Parcel (1 & 2)	0.0	0.0	20.0	0.0	0.0	1,139.2
Island of Basot and Quinalaang	206.3	0.0	0.0	9.6	1,904.0	3,353.8
Island of Alibijaban / Alibijaban Island Protected Landscape and Seascape	166.3	0.0	0.0	2.4	136.2	462.6
Island of Ambugan / Hambungan & Inabanga River (MSFR)	938.0	0.0	0.0	0.0	125.9	1,137.2
Island of Awasan, Cabilan, Capaquian, Sugbuhan and Tagboaba	304.2	0.0	0.0	0.0	242.7	1,296.0
Island of Bantayan	127.9	0.0	0.0	26.7	3,978.2	11,223.3
Island of Budlanan, Bugatusan, Panga, Silo, Cabgan, Canconstino, tabaon, Maagpit, and Islet of Basihan, Bugatusan, Hayaan, Inanoran , and Poom Point East of Basihan Islet (Getafe Group of Island) (Clarin Group of Island)	6.4	0.0	0.0	0.0	0.0	6.4
Island of Catiil, Colangaman, Lomislis, Tagangdio, Tintinan, and islet of Pamasuan	177.7	0.0	0.0	0.0	6.5	189.0
Island of Dampalit	13.3	0.0	0.0	1.7	0.0	15.2
Island of DInagat, Hikdop, Sibate and Hanigad	1,387.4	0.0	0.0	2.5	52.9	1,796.0
Island of Guinauycan and Pobre	29.1	0.0	0.0	2.4	23.9	126.7
Island of Lamagon(Lamayan), Cepaya and Cobeton	499.1	0.0	0.0	0.8	29.5	559.2
Island of Majaba and Napayuan	22.6	0.0	0.0	4.3	103.2	430.6
Island of Pamusuan, Handayan, Majanay,,, Islets of Bonoon, Lapinig, Pinahon and Lapinig Chico,,, Mangrove areas east of Soom River Pangpang**	1,304.0	0.0	0.0	0.2	181.7	1,954.6
Island of Polilio, Alabat, Cabelete, Jomalig, Patnanongan, Kalotkot, Kalongkooan, Palasan, Calabao, Icol and San Rafael	3,707.3	0.0	0.0	22.5	594.1	4,540.8
Island of Rasa	34.2	0.0	0.0	0.0	2.5	36.6
Island of Sta Cruz and Salomague, foreshoreline of dapdap and alabo to the mouth of tagum river, malinoa creek to salomague point, foreshoreline of Barrio Cabuyagan to eastern side of Dating Bayan RIver in Calancan Bay	1,376.3	0.0	0.0	0.0	269.8	2,199.2
Jalaur River Watershed Forest Reserve	0.0	0.0	2,007.5	0.0	0.0	9,463.4
Jose Rizal Memorial Protected Landscape	0.0	0.0	0.0	0.0	428.4	462.5

Continued

Table 1.10 *(Continued)*
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
Kabangkalan Watershed Forest Reserve	0.0	416.9	0.0	0.0	0.0	0.0	0.0
Kalbario-Patapat Natural Park	13.3	63.0	0.7	3,034.3	0.0	0.0	0.0
Kuapnit Balinsasayao National Park	6.1	32.4	1.0	0.0	0.0	0.0	0.0
Lagonoy Natural Biotic Area	0.0	80.9	0.0	0.0	0.0	7.5	0.0
Lake Buluan Game Refuge and Bird Sanctuary	412.1	34.2	27.3	0.0	0.0	3.5	6,452.4
Lake Butig National Park	18.7	0.0	0.0	0.0	0.0	0.0	16.6
Lake Danao Natural Park	12.5	666.0	3.5	0.0	0.0	0.6	140.3
Lake Dapao National Park	21.6	6.3	1.7	0.0	0.0	0.0	968.5
Lake Lanao Watershed Reservation	34,613.9	12,824.5	2,769.6	49,271.2	16.6	3,091.5	35,706.5
Lake Malimanga Bird and Fish Sanctuary	22.9	0.0	0.0	0.0	0.0	0.0	0.0
Las Piñas Parañaque Critical Habitat and Ecotourism Area	0.0	13.6	25.4	0.0	0.0	0.0	0.7
Libmanan Caves National Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Libunao Protected Landscape	0.0	6.0	0.0	0.0	0.0	0.0	0.0
Libungan Watershed Forest Reserve	19,106.4	7,333.6	700.4	4,784.6	2.3	3,963.6	476.9
Lidlidda Banayoyo Protected Landscape	6.3	849.1	0.0	0.0	0.0	0.0	0.0
Loboc Watershed Forest	112.4	4,360.1	4.3	0.0	0.0	266.0	16.6
Lopez Watershed Forest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lower Agno Watershed Forest Reserve	941.7	11,283.9	1,461.9	0.0	0.0	9,458.0	1,632.1
Luneta National Park	0.0	0.0	16.0	0.0	0.0	0.0	0.0
Maasin Watershed Forest Reserve	640.8	3,118.9	0.0	60.2	0.0	0.0	57.7
Mabini Protected Landscape and Seascape	0.0	0.0	27.8	0.0	42.6	0.0	0.0
MacArthur Landing National Park	0.0	0.0	5.0	0.0	0.0	0.0	0.0
Mado Hot Spring National Park	8.1	24.0	0.0	0.0	0.0	15.2	0.0
Magapit Protected Landscape	1,442.0	1,261.9	39.3	0.0	0.0	561.5	0.0
Mahagnao Volcano Natural Park	0.0	100.8	0.2	0.0	0.0	0.0	25.3
Mahugunao Watershed Forest Reserve	0.0	3.9	0.0	0.0	0.0	0.0	
Mainit Hotspring Protected Landscape	0.0	557.3	22.0	0.0	0.0	45.9	28.5
Malabungot Protected Landscape and Seascape	0.0	0.0	0.0	0.0	0.0	2.2	0.0
Malagos Watershed Reservation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Malampaya Sound Protected Landscape	9,849.3	23,825.4	650.4	1,527.4	81.5	625.6	118.8
Malaquing River to Mabunga River, Cueva Point to Kimartinez Point, Kabugao Point to Kabalog Andang Point (Mangrove)	40.6	2.9	1.4	0.0	23.2	1.0	6.4
Mangrove areas along banks of Mamburao River, Buluangan River to Lagarum River, Naujan, bank of Betel Creek, Sablayan Pt. to Bagong Sabang RIver, Labangan to Calalayuan Pt.	67.2	19.5	29.9	0.0	256.2	1.1	32.6
Sukol River, Casiliga River, Mangrove Areas along Coastline of Dupon Bay from Sacay point to Mouth of Dupon River, Apali Point to Calunganan Point Puerto Bello Lao Mangrove from Bo. Tuban and Bo. Manpagui Santa	145.7	64.7	110.8	0.0	390.0	0.0	118.9

Table 1.10 *(Continued)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
Kabangkalan Watershed Forest Reserve	0.0	0.0	0.0	0.0	0.0	416.9
Kalbario-Patapat Natural Park	0.0	0.0	788.5	0.0	1.3	3,901.1
Kuapnit Balinsasayao National Park	0.0	0.0	5.2	0.0	332.2	376.8
Lagonoy Natural Biotic Area	0.0	0.0	47.1	0.0	308.2	443.6
Lake Buluan Game Refuge and Bird Sanctuary	0.0	1,418.0	0.0	0.0	19.9	8,367.4
Lake Butig National Park	0.0	0.0	0.0	0.0	0.0	35.3
Lake Danao Natural Park	0.0	0.0	1,419.9	1.0	0.3	2,244.1
Lake Dapao National Park	0.0	0.0	0.0	0.0	0.0	998.1
Lake Lanao Watershed Reservation	0.0	0.0	31,697.5	0.0	1,301.5	171,292.8
Lake Malimanga Bird and Fish Sanctuary	0.0	0.0	0.0	0.0	0.0	22.9
Las Piñas Parañaque Critical Habitat and Ecotourism Area	41.5	0.0	0.0	1.6	0.0	82.9
Libmanan Caves National Park	0.0	0.0	0.0	0.0	18.5	18.5
Libunao Protected Landscape	0.0	0.0	41.2	0.0	0.0	47.2
Libungan Watershed Forest Reserve	0.0	0.0	4,653.1	7.5	11,792.1	52,820.6
Lidlidda Banayoyo Protected Landscape	0.0	0.0	186.9	0.0	0.0	1,042.3
Loboc Watershed Forest	0.0	0.0	3,891.0	2.8	236.4	8,889.7
Lopez Watershed Forest	0.0	0.0	0.0	0.0	440.6	440.6
Lower Agno Watershed Forest Reserve	0.0	0.0	13,719.0	574.1	11.5	39,082.3
Luneta National Park	0.0	0.0	0.0	0.0	0.0	16.0
Maasin Watershed Forest Reserve	0.0	0.0	2,662.5	0.0	0.0	6,540.0
Mabini Protected Landscape and Seascape	81.8	0.0	0.0	0.0	68.9	221.2
MacArthur Landing National Park	0.0	0.0	0.0	0.0	1.8	6.8
Mado Hot Spring National Park	0.0	0.0	0.0	0.0	1.4	48.7
Magapit Protected Landscape	0.0	0.0	538.9	0.0	7.5	3,851.1
Mahagnao Volcano Natural Park	0.0	0.0	108.0	0.0	106.5	340.8
Mahugunao Watershed Forest Reserve	0.0	0.0	137.6	0.0	5.8	147.2
Mainit Hotspring Protected Landscape	0.0	0.0	201.9	0.0	566.9	1,422.6
Malabungot Protected Landscape and Seascape	19.4	0.0	0.0	0.0	117.1	138.7
Malagos Watershed Reservation		0.0	216.1	0.0	19.2	235.3
Malampaya Sound Protected Landscape	3,063.8	0.0	48,525.9	166.0	651.0	89,085.1
Malaquing River to Mabunga River, Cueva Point to Kimartinez Point, Kabugao Point to Kabalog Andang Point (Mangrove)	284.1	0.0	0.0	1.4	68.1	429.2
Mangrove areas along banks of Mamburao River, Buluangan River to Lagarum River, Naujan, bank of Betel Creek, Sablayan Pt. to Bagong Sabang RIver, Labangan to Calalayuan Pt.	302.2	0.0	0.0	1.6	278.9	989.3
Mangrove Areas along Coastline of Dupon Bay from Sacay point to Mouth of Dupon River, Apali Point to Calunganan Point Puerto Bello Lao Mangrove from Bo. Tuban and Bo. Manpagui Santa	1,441.8	0.0	0.0	4.9	339.3	2,616.2

Continued

Table 1.10 *(Continued)*
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
Mangrove Areas along Municipalities of Lavigan, Valencia Up to Taon River Municipality of Barcelona,, Islands of Masopelid, Mahaba, Condona, Bayagnan, Bilabid and Cave	0.0	8.3	8.4	0.0	12.7	2.9	36.6
Mangrove Areas from Del Pilar River to Palita Island, Bo. Salvacion and Dahican	29.7	72.0	11.2	0.0	544.4	13.4	117.1
Mangrove Areas from Liangan River to Lipatan River of the Municipality of Lapayan	0.0	0.7	10.6	0.0	3.2	0.3	4.4
Mangrove Areas from Tagasilay to the Mouth of Tigbao River including east of Vitali Island	0.0	43.2	3.2	0.0	1,781.0	14.6	165.6
Mangrove Areas in Tumalong Bay, Baong River, Pongca Bay,Mangrove in Pisan, Sagayapan, Tintauan and Sacol Island	133.7	3.8	70.5	0.0	1,644.7	0.5	139.1
Mangrove From Baculin Point to Lakud Point, From Tanuip Point to Quinablangan Island and Samal Island	0.2	44.7	25.1	0.0	90.4	6.6	87.4
Manila Bay Beach Resort	0.0	0.5	460.7	0.0	0.0	0.0	3.4
Manleluag Spring Protected Landscape	20.1	372.9	0.0	187.1	0.0	433.2	30.3
Marcos Highway Watershed Forest Reserve	7,803.3	12,197.0	3,364.0	0.0	0.0	275.5	358.5
Marinduque Wildlife Sanctuary	80.9	1,253.8	0.0	0.0	0.0	168.7	34.9
Masinloc and Oyon Bay Marine Reserve	164.5	304.9	44.5	0.0	29.6	0.0	0.1
Mati Protected Landscape	0.0	682.4	0.0	0.0	0.0	146.1	6.7
Maulawin Spring Protected Landscape	0.0	66.7	0.0	0.0	0.0	0.0	0.0
Mimbilisan Protected Landscape	0.2	92.9	0.0	0.0	0.0	3.6	6.3
Minalungao National Park	29.3	1,878.4	0.0	0.0	0.0	52.8	54.0
Mount Timolan Protected Landscape	9.8	452.4	0.0	0.0	0.0	26.8	16.0
Mt. Apo Natural Park	3,033.3	15,757.2	225.9	4,624.4	0.0	2,932.7	27.6
Mt. Arayat National Park	20.3	1,585.9	0.1	649.2	0.0	804.7	0.0
Mt. Balatukan Range Natural Park	0.0	44.4	0.0	0.0	0.0	124.3	26.0
Mt. Calavite Wildlife Sanctuary	205.9	9,407.3	18.7	0.0	0.0	3,493.9	29.4
Mt. Dajo National Park	0.0	94.9	0.0	0.0	0.0	0.0	0.0
Mt. Data National Park	3,434.5	771.2	316.5	0.0	0.0	19.1	0.0
Mt. Guiting-Guiting Natural Park	10.5	1,505.6	0.0	3,147.9	0.0	370.1	101.4
Mt. Hamiguitan Range Wildlife Sanctuary	0.0	1,355.9	0.0	5,335.2	0.0	139.0	17.7
Mt. Inayawan Range Natural	1.4	2.2	0.0	1,836.7	0.0	4.4	2.5
Mt. Isarog Natural Park	157.5	832.4	0.0	3,624.1	0.0	262.6	35.4
Mt. Kalatungan Range Natural Park	1,433.4	1,381.8	23.5	16,288.2	0.0	443.4	0.0
Mt. Kanlaon Natural Park	6,412.3	3,758.5	3.4	4,957.7	0.0	1,828.3	45.7
Mt. Kitanglad Range Natural Park	1,689.5	1,860.4	17.0	31,459.6	0.0	1,105.4	57.3
Mt. Malindang Natural Park	986.5	10,312.3	148.3	23,143.7	0.0	3,003.5	206.8
Mt. Mantalingahan Protected Landscape	215.4	28,457.9	7.9	10,816.0	7.9	25.4	981.6
Mt. Matutum Protected Landscape	3,025.2	5,968.5	77.8	2,393.1	0.0	132.1	0.0
Mt. Mayon Natural Park	1.1	653.5	3.3	0.0	0.0	1,434.3	82.6
Mt. Pulag National Park	780.6	809.8	18.5	5,962.1	0.0	353.9	10.0
Mt. Timpoong Hibok-hibok Natural Monument	0.0	35.6	0.0	1,981.6	0.0	13.7	2.3

Table 1.10 *(Continued)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
Mangrove Areas along Municipalities of Lavigan, Valencia Up to Taon River						
Municipality of Barcelona,, Islands of Masopelid, Mahaba, Condona, Bayagnan, Bilabid and Caye	1,052.4	0.0	0.0	8.2	50.8	1,180.3
Mangrove Areas from Del Pilar River to Palita Island, Bo. Salvacion and Dahican	1,181.0	0.0	0.0	1.9	287.4	2,257.9
Mangrove Areas from Liangan River to Lipatan River of the Municipality of Lapayan	105.6	0.0	0.0	5.1	24.1	154.0
Mangrove Areas from Tagasilay to the Mouth of Tigbao River including east of Vitali Island	455.0	0.0	0.0	0.0	172.2	2,634.7
Mangrove Areas in Tumalong Bay, Baong River, Pongca Bay,Mangrove in Pisan, Sagayapan, Tintauan and Sacol Island	5,440.4	0.0	0.0	6.4	914.6	8,353.7
Mangrove From Baculin Point to Lakud Point, From Tanuip Point to Quinablangan Island and Samal Island	1,371.5	0.0	0.0	15.1	141.6	1,782.6
Manila Bay Beach Resort	0.0	0.0	0.0	0.0	0.0	464.7
Manleluag Spring Protected Landscape	0.0	0.0	892.0	3.2	0.0	1,938.8
Marcos Highway Watershed Forest Reserve	0.0	0.0	7,010.7	284.0	249.5	31,542.5
Marinduque Wildlife Sanctuary	0.0	0.0	7,539.9	0.0	681.4	9,759.6
Masinloc and Oyon Bay Marine Reserve	84.4	0.0	0.0	0.6	218.4	846.9
Mati Protected Landscape	0.0	0.0	0.0	0.0	49.2	884.5
Maulawin Spring Protected Landscape	0.0	0.0	7.3	0.0	109.1	183.1
Mimbilisan Protected Landscape	0.0	0.0	0.0	0.0	3.9	106.8
Minalungao National Park	0.0	0.0	0.0	3.9	0.0	2,018.4
Mount Timolan Protected Landscape	0.0	0.0	1,587.0	0.0	152.5	2,244.5
Mt. Apo Natural Park	0.0	0.0	19,473.8	161.6	17,875.0	64,111.5
Mt. Arayat National Park	0.0	0.0	479.5	0.0	167.1	3,706.8
Mt. Balatukan Range Natural Park	0.0	0.0	8,243.3	0.0	0.0	8,437.9
Mt. Calavite Wildlife Sanctuary	0.0	0.0	4,883.3	48.2	61.6	18,148.4
Mt. Dajo National Park	0.0	0.0	117.6	0.0	0.0	212.4
Mt. Data National Park	0.0	0.0	969.2	1.5	0.0	5,512.1
Mt. Guiting-Guiting Natural Park	0.0	0.0	10,205.8	0.0	173.9	15,515.2
Mt. Hamiguitan Range Wildlife Sanctuary	0.0	0.0	277.7	12.0	0.0	7,137.4
Mt. Inayawan Range Natural	0.0	0.0	2,336.2	0.0	52.8	4,236.2
Mt. Isarog Natural Park	0.0	0.0	4,947.3	0.0	231.6	10,090.9
Mt. Kalatungan Range Natural Park	0.0	0.0	2,652.6	0.0	2.2	22,225.1
Mt. Kanlaon Natural Park	0.0	0.0	5,859.0	144.8	550.1	23,559.8
Mt. Kitanglad Range Natural Park	0.0	0.0	11,044.9	0.0	0.0	47,234.2
Mt. Malindang Natural Park	0.0	0.0	11,768.7	0.0	2,853.7	52,423.5
Mt. Mantalingahan Protected Landscape	767.2	0.0	77,494.3	0.0	3,094.7	121,868.3
Mt. Matutum Protected Landscape	0.0	0.0	1,886.2	0.9	463.1	13,947.0
Mt. Mayon Natural Park	0.0	0.0	2,108.8	671.7	371.8	5,327.2
Mt. Pulag National Park	0.0	0.0	3,666.9	0.0	0.0	11,601.9
Mt. Timpoong Hibok-hibok Natural Monument	0.0	0.0	148.8	0.0	21.5	2,203.4

Continued

Table 1.10 *(Continued)*
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
Mts. Banahaw- San Cristobal Protected Landscape	523.2	1,017.4	6.5	5,755.8	0.0	161.1	53.5
Mts. Iglit-Baco Natural Park	1,376.4	28,856.5	0.0	284.3	0.0	43,325.4	842.0
Mts. Palay-Palay-Mataas-na-Gulod Protected Landscape	6.7	1,446.0	46.9	0.0	0.0	192.8	2.6
Mulanay Watershed Forest Reserve	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Murcielagos Island Protected Landscape and Seascape	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Naguilian Watershed	8.4	78.4	0.0	0.0	0.0	0.0	0.0
Naro Island Wildlife Sanctuary	1.3	2.4	2.4	0.0	4.5	1.3	0.0
Naujan Lake National Park	1,938.5	52.0	258.1	0.0	0.0	3.2	8,293.0
Ninoy Aquino Parks and Wildlife Center	0.0	0.0	4.5	0.0	0.0	0.0	2.6
Northern Luzon Heroes Hill National Park	76.7	2,984.3	3.1	0.0	0.0	584.2	16.8
Northern Negros Natural Park	21,906.0	17,438.8	0.0	13,685.1	0.0	0.0	66.6
Northern Sierra Madre Natural Park	6,827.5	9,609.2	270.5	67,261.9	5.1	451.8	3,580.4
Northwest Panay Peninsula Natural Park	0.0	2,494.7	1.1	1,555.6	0.0	5.4	0.0
Olango Island Wildlife Sanctuary	0.0	0.0	0.4	0.0	0.0	13.5	0.0
Olongapo Naval Base Perimeter	0.0	0.0	3.5	0.0	0.0	0.0	1.1
Olongapo Watershed Forest Reserve	0.0	3,460.4	68.2	0.0	0.0	94.5	0.0
Pagsanjan Gorge National Park	0.0	4.0	0.0	0.0	0.0	0.0	22.5
Palaui Island Marine Reserve	45.7	103.8	13.4	1,872.0	0.0	72.1	0.0
Palawan Flora and Fauna Watershed Forest Reserve (Parcel 1)	0.5	450.3	3.9	240.4	0.0	8.0	0.0
Palawan Flora and Fauna Watershed Forest Reserve (Parcel 2)	0.0	109.2	0.0	588.3	0.0	0.0	0.0
Palawan Game Refuge and Bird Sanctuary	92,756.0	331,492.2	14,365.8	66,419.1	735.5	44,804.0	5,403.3
Palompon Watershed Forest Reserve	118.7	590.4	29.7	0.0	0.0	71.9	0.0
Palsabangan River up to Mazintuto River, Bacong River to Sandoval Point (Mangrove)	35.5	0.0	4.6	0.0	284.0	0.0	18.1
Pamitinan Protected Landscape	0.0	465.4	26.5	0.0	0.0	1.5	21.5
Pan-ay River Watershed Forest Reserve	583.8	3,254.8	6.9	0.0	0.0	135.7	46.6
Panglao Island Protected Seascape	1.1	12.9	11.7	0.0	0.0	1.9	31.1
Pantabangan-Caranglan Watershed Reservation	8,352.1	29,135.6	570.1	19,560.7	2.3	21,674.2	4,184.7
Pantuwaraya Lake National Park	17.3	0.0	0.0	0.0	0.0	0.0	0.0
Paoay Lake National Park	66.0	5.2	0.1	0.0	0.0	0.0	304.8
Pasonanca Natural Park	20.4	319.8	8.7	11,005.4	0.0	5.5	0.0
Peñablanca Protected	4,725.8	8,856.7	170.4	31,960.5	0.0	6,102.3	1,092.8
Pigbucan to Paron Point	3.6	0.0	0.0	0.0	9.1	0.0	9.7
Polilio Watershed Forest	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Puerto Princesa Underground River	509.5	1,919.8	47.9	12,375.4	0.0	23.4	92.7
Pujada Bay Protected Landscape and Seascape	7.3	113.1	55.8	0.0	59.8	22.9	114.1
Putiao River to Malbog River, Getumbro pt. to Prieto Diaz, Panuntingan Pt. to Tagdon River, Sinagbatan Bay to Mantay Pt.	58.6	105.1	10.4	0.0	739.5	22.8	53.0
Quezon Protected Landscape	0.6	198.9	1.6	0.0	0.0	0.0	0.0
Quirino Protected Landscape	16,873.9	25,863.5	405.8	82,441.4	0.0	9,414.7	1,709.4
Rajah Sikatuna Protected Landscape	422.1	1,748.5	10.3	0.0	0.0	169.6	0.0

Table 1.10 *(Continued)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
Mts. Banahaw- San Cristobal Protected Landscape	0.0	0.0	2,534.7	8.6	1,249.8	11,310.6
Mts. Iglit-Baco Natural Park	0.0	0.0	31,793.0	48.2	129.9	106,655.5
Mts. Palay-Palay-Mataas-na-Gulod Protected Landscape	0.0	0.0	2,245.8	14.8	14.3	3,969.8
Mulanay Watershed Forest Reserve	0.0	0.0	0.0	0.0	29.7	29.7
Murcielagos Island Protected Landscape and Seascape	0.0	0.0	0.0	6.2	18.8	25.0
Naguilian Watershed	0.0	0.0	0.0	0.0	0.0	86.8
Naro Island Wildlife Sanctuary	41.5	0.0	0.0	0.0	4.3	57.6
Naujan Lake National Park	0.0	663.9	0.0	0.0	4,117.7	15,326.4
Ninoy Aquino Parks and Wildlife Center	0.0	0.0	16.8	0.0	0.0	23.8
Northern Luzon Heroes Hill National Park	0.0	0.0	1,695.8	2.6	32.5	5,395.9
Northern Negros Natural Park	0.0	0.0	16,326.2	0.0	1,403.4	70,826.2
Northern Sierra Madre Natural Park	654.2	0.0	196,876.4	664.8	1,773.5	287,975.2
Northwest Panay Peninsula Natural Park	0.0	0.0	7,640.7	0.0	311.7	12,009.3
Olango Island Wildlife Sanctuary	433.9	0.0	0.0	70.0	3.2	520.9
Olongapo Naval Base Perimeter	0.0	0.0	0.0	0.0	0.0	4.6
Olongapo Watershed Forest Reserve	0.0	0.0	2,668.8	0.0	1.6	6,293.5
Pagsanjan Gorge National Park	0.0	0.0	6.5	0.0	133.5	166.5
Palaui Island Marine Reserve	102.4	0.0	356.9	72.4	26.9	2,665.6
Palawan Flora and Fauna Watershed Forest Reserve (Parcel 1)	0.0	0.0	4,072.6	0.9	22.6	4,799.2
Palawan Flora and Fauna Watershed Forest Reserve (Parcel 2)	0.0	0.0	2,520.6	0.0	22.1	3,240.3
Palawan Game Refuge and Bird Sanctuary	6,682.9	9.6	373,170.3	2,542.4	145,720.8	1,084,102.0
Palompon Watershed Forest Reserve	0.0	0.0	0.0	0.0	4,820.3	5,631.0
Palsabangan River up to Mazintuto River, Bacong River to Sandoval Point (Mangrove)	354.7	0.0	0.0	0.5	80.7	778.1
Pamitinan Protected Landscape	0.0	0.0	0.0	7.1	87.0	609.1
Pan-ay River Watershed Forest Reserve	0.0	0.0	46.3	2.4	0.0	4,076.6
Panglao Island Protected Seascape	192.8	0.0	0.0	0.3	15.9	267.7
Pantabangan-Caranglan Watershed Reservation	0.0	0.0	9,801.7	1,376.3	207.2	94,865.0
Pantuwaraya Lake National Park	0.0	0.0	0.0	0.0	1.8	19.1
Paoay Lake National Park	0.0	0.0	0.0	1.6	1.3	378.8
Pasonanca Natural Park	0.0	0.0	295.1	0.0	447.2	12,102.1
Peñablanca Protected	65.1	0.0	49,383.5	419.7	463.8	103,240.5
Pigbucan to Paron Point	154.0	0.0	0.0	0.5	11.2	188.0
Polilio Watershed Forest	0.0	0.0	103.2	0.0	20.7	126.0
Puerto Princesa Underground River	34.4	0.0	6,146.6	22.7	104.2	21,276.7
Pujada Bay Protected Landscape and Seascape	148.3	0.0	8.5	56.7	105.3	691.8
Putiao River to Malbog River, Getumbro pt. to Prieto Diaz, Panuntingan Pt. to Tagdon River, Sinagbatan Bay to Mantay Pt.	1,092.0	0.0	0.0	2.2	464.6	2,548.2
Quezon Protected Landscape	0.0	0.0	675.1	0.0	166.6	1,042.9
Quirino Protected Landscape	0.0	0.0	30,550.2	386.0	15,719.9	183,364.8
Rajah Sikatuna Protected Landscape	0.0	0.0	7,679.2	0.0	934.9	10,964.6

Continued

Table 1.10 *(Continued)*
AREA OF ECOSYSTEMS BY LAND COVER
As of 2019
(in hectares)

Area of Ecosystems (Protected Areas)	Annual Crop	Brush/ Shrubs	Built-up	Closed Forest	Fishpond	Grassland	Inland Water
Rasa Island Wildlife Sanctuary		3.6	0.0	0.0	0.0	0.0	0.0
Roosevelt Protected Landscape	11.9	153.5	138.1	0.0	0.0	70.2	0.1
Rungkunan National Park	104.9	57.7	0.0	0.0	0.0	0.0	0.0
Sacred Mountain National Park	20.6	69.0	0.0	0.0	0.0	0.0	0.0
Sagay Marine Reserve	0.0	19.0	5.9	0.0	11.3	52.4	40.4
Salcedo Protected Landscape	0.0	184.6	0.0	0.0	0.0	0.0	0.5
Salikata National Park	120.8	18.4	0.0	0.0	0.0	0.0	0.0
Salinas Natural Monument	1,245.7	1,803.3	74.6	0.0	0.0	2,353.2	42.0
Samar Island Natural Park	1,127.2	47,421.4	196.9	21,147.9	0.0	931.2	1,555.2
Santa Watershed Forest	0.0	3.5	0.0	0.0	0.0	0.0	0.0
Sarangani Bay Protected Seascape	19.1	62.1	200.5	0.0	20.1	14.5	11.5
Selinog Island Protected Landscape and Seascape	0.0	0.0	0.0	0.0	0.0	5.3	0.0
Siargao Protected Landscape and Seascape	4,484.7	21,188.0	1,049.3	0.0	51.2	3,451.1	723.6
Sibalom Natural Park	649.0	1,935.4	2.7	0.0	0.0	944.2	61.5
Sibuyan Island (MSFR)	15.8	11.3	10.8	0.0	20.3	0.0	14.4
Simbahan-Talagas Protected Landscape	0.6	346.4	0.0	172.7	0.0	0.0	0.0
Siocon Resource Reserve	0.0	46.3	0.0	785.6	0.0	0.0	0.0
South Upi Watershed Forest Reserve	666.9	290.8	0.0	0.0	0.0	9.0	0.0
Surigao Watershed Forest Reserve	4.9	890.0	0.0	0.0	0.0	16.7	0.0
Taal Volcano Protected Landscape	4,082.5	11,020.0	3,586.3	0.0	87.3	1,040.6	23,639.9
Taklong Island National Marine Reserve	0.3	82.7	0.0	0.0	0.5	0.0	0.3
Talavera Watershed Reservation	1,383.2	13,731.5	50.9	0.0	0.0	7,217.9	497.3
Talaytay Protected Landscape	0.0	0.0	0.0	2,102.6	0.0	0.0	43.7
Talibon Group of Islands Protected Landscape and Seascape	0.0	0.0	16.5	0.0	44.4	3.9	0.8
Tanap Watershed Forest	0.1	132.5	0.0	0.0	0.0	164.1	5.4
Tanglar point to Bicol river up to the islands of Lahay, Locsuhin, Haponan, Quinabungan, Lamit and Batan	9.5	18.4	12.6	0.0	179.7	68.0	176.9
Tañon Strait Protected Seascape	292.1	711.7	657.9	0.0	1,289.5	16.6	123.0
Tibiang-Damagandong Watershed Forest Reserve	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ticao Burias Pass Protected Seascape	4,586.7	1,806.9	1,722.7	0.0	713.8	1,917.1	355.3
Tinuy-an Falls Protected Landscape	10.6	1,161.2	3.9	0.0	0.0	23.6	21.3
Torrijos Watershed Forest Reserve	1.1	147.8	0.0	0.0	0.0	0.0	0.0
Tumauini Watershed Natural	472.7	636.6	0.0	0.0	0.0	1,226.9	119.3
Turtle Islands Wildlife Sanctuary	0.0	71.0	35.0	0.0	0.0	106.4	0.0
Unnamed National Park, Wildlife Sanctuary and Game Preserve (PP 1636)	983.2	36,258.1	1,156.9	28,738.0	0.0	4,016.7	940.3
Upper Agno River Basin Resource Reserve	15,079.2	19,285.8	679.7	1,939.1	0.0	5,573.2	1,598.4
Upper Marikina River Basin Protected Landscape	913.6	13,351.7	728.5	590.6	0.0	2,684.2	265.9
Wangag Watershed Forest Reserve	159.9	115.9	4.1	6,252.1	0.0	0.0	68.6
Watershed Purposes of Mariveles (Palanas)	0.0	146.5	0.0	0.0	0.0	26.5	0.0

Source: Biodiversity Management Bureau, DENR

Table 1.10 *(Concluded)*

Area of Ecosystems (Protected Areas)	Mangrove Forest	Marshland/ Swamp	Open Forest	Open/ Barren	Perennial Crop	Grand Total
Rasa Island Wildlife Sanctuary	721.0	0.0	169.8	2.5	33.7	930.6
Roosevelt Protected Landscape	0.0	0.0	166.1	0.0	410.5	950.4
Rungkunan National Park	0.0	0.0	805.1	0.0	0.0	967.7
Sacred Mountain National Park	0.0	0.0	0.0	0.0	0.0	89.6
Sagay Marine Reserve	306.4	0.0	0.0	28.2	140.7	604.2
Salcedo Protected Landscape	0.0	0.0	11.2	0.0	0.0	196.3
Salikata National Park	0.0	0.0	520.5	0.0	0.0	659.6
Salinas Natural Monument	0.0	0.0	326.7	54.2	66.4	5,966.0
Samar Island Natural Park	0.0	0.0	241,114.0	81.3	21,530.5	335,105.6
Santa Watershed Forest	0.0	0.0	23.7	0.0	0.0	27.2
Sarangani Bay Protected Seascape	145.3	0.0	1.2	89.7	238.1	802.1
Selinog Island Protected Landscape and Seascape	0.0	0.0	0.0	14.7	66.4	86.5
Siargao Protected Landscape and Seascape	8,499.1	234.4	220.5	117.3	22,782.7	62,801.9
Sibalom Natural Park	0.0	0.0	3,182.4	3.2	0.0	6,778.4
Sibuyan Island (MSFR)	341.6	0.0	0.0	1.5	67.6	483.3
Simbahan-Talagas Protected Landscape	0.0	0.0	1,419.0	0.0	345.6	2,284.4
Siocon Resource Reserve	0.0	0.0	23.7	0.0	0.0	855.6
South Upi Watershed Forest Reserve	0.0	0.0	743.1	0.0	28.9	1,738.6
Surigao Watershed Forest Reserve	0.0	0.0	8.6	0.0	31.9	951.9
Taal Volcano Protected Landscape	0.0	0.0	882.1	268.5	17,685.1	62,292.2
Taklong Island National Marine Reserve	52.5	0.0	0.0	0.0	5.7	142.0
Talavera Watershed Reservation	0.0	0.0	4,431.8	174.0	0.0	27,486.5
Talaytay Protected Landscape	0.0	0.0	1,329.5		122.6	3,598.3
Talibon Group of Islands Protected Landscape and Seascape	312.5	0.0	0.0	8.1	0.0	386.2
Tanap Watershed Forest	0.0	0.0	0.0	0.0	1.2	303.3
Tanglar point to Bicol river up to the islands of Lahay, Locsuhin, Haponan, Quinabungan, Lamit and Batan	2,200.1	81.4	0.0	9.3	262.4	3,018.3
Tañon Strait Protected Seascape	2,290.8	0.0	0.0	97.5	1,173.9	6,653.0
Tibiang-Damagandong Watershed Forest Reserve	0.0	0.0	0.0	0.0	274.5	274.5
Ticao Burias Pass Protected Seascape	1,358.4	9.3	12.1	273.4	14,617.1	27,372.6
Tinuy-an Falls Protected Landscape	0.0	0.0	3,024.5	0.0	76.6	4,321.8
Torrijos Watershed Forest Reserve	0.0	0.0	0.0	0.0	9.0	157.8
Tumauini Watershed Natural	0.0	0.0	4,053.8	0.0	0.0	6,509.4
Turtle Islands Wildlife Sanctuary	0.0	0.0	0.0	23.5	103.8	339.8
Unnamed National Park, Wildlife Sanctuary and Game Preserve (PP 1636)	0.0	0.0	35,380.4	82.5	7,787.9	115,344.0
Upper Agno River Basin Resource Reserve	0.0	0.0	33,595.0	254.9	0.0	78,005.3
Upper Marikina River Basin Protected Landscape	0.0	0.0	5,915.0	54.6	1,621.6	26,125.6
Wangag Watershed Forest Reserve	0.0	0.0	312.4	0.3	11.0	6,924.4
Watershed Purposes of Mariveles (Palanas)	0.0	0.0	52.7	0.0	121.3	347.1

Table 1.11.1
KNOWN FAUNA SPECIES BY ECOSYSTEM
As of 2019

Ecosystem	No. of Species
Terrestrial	1377+
Marine	6**
Freshwater and Estuarine	8***

Notes:
* Vertebrates only
** Dugong and 5 marine turtle species
*** 2 species of crocodiles and 6 species of freshwater turtle
+ means no definite number yet – continuously adding to the list

Source: Biodiversity Management Bureau, DENR

Table 1.11.2
KNOWN FLORA AND FAUNA SPECIES BY STATUS CATEGORY
2016 to 2019

Status Category	2016		2017		2018		2019	
	Fauna	Flora	Fauna	Flora	Fauna	Flora	Fauna	Flora
Critically Endangered	27	99	27	179	27	179	60	179
Endangered	91	187	117	254	117	254	61	254
Vulnerable	84	176	84	406	84	406	440	406
Other Threatened Species	9	64	9	145	9	145	545	145

Note: Table format may not be the same from the previous compilation due to updated data

Source: Biodiversity Management Bureau, DENR

Table 1.11.3
KNOWN FLORA AND FAUNA SPECIES BY CLASS
2017 to 2019

Class	No. of Species		
	2017	2018	2019
Wild Fauna			
Vertebrates			
Terrestrial Mammals	207	207	207
Birds	685+	685+	700+
Reptiles	352	352	352
Amphibians	118	118	118
Invertebrates	21,000+	21,000+	21,000+
TOTAL	**22,362+**	**22,362+**	**22,377+**
Wild Flora			
Vascular Plants			
Angiosperms	8,120	8,120	8,862
Gymnosperms	33	33	42
Pteridophytes	1,100	1,100	1,034
Non-vascular Plants (Bryophytes	1,200+	1,200+	1,200+
TOTAL	**10,453+**	**10,453+**	**11,138+**

Notes:
Table format may not be the same from the previous compilation due to updated data
+ means no definite number yet – continuously adding to the list

Source: Biodiversity Management Bureau, DENR

Table 1.12
NUMBER OF ENDEMIC KNOWN FLORA AND FAUNA SPECIES BY TAXONOMIC GROUP
2010 to 2019

Taxonomic Group	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
A. Fauna										
Terrestial Mammals	123	130	132	132	132	133	133	133	133	142
Birds	178	184	213	215	216	217	230	231	230	248
Reptiles	188	195	196	196	198	198	244	244	245	245
Amphibians	94	95	95	95	95	95	96*	96*	96	96
B. Flora										
Angiosperms	*c. 5800*	…	…	…	…	*c. 5800*	*c. 5800*	*c. 5800*	4449	4449
Gymnosperms	6	…	…	…	…	6	6	6	16	16
Pteridophytes	285	…	…	…	…	285	285	285	263	263
Bryophytes	195	…	…	…	…	195	195	195	…	…

Notes:
… no data
c means the number is "approximately"
* Figures may not be the same from the previous compilation due to updated data

Source: Biodiversity Management Bureau, DENR

Table 1.13
NUMBER OF INVASIVE ALIEN FLORA AND FAUNA SPECIES BY TAXONOMIC GROUP
as of 2019

Taxonomic Group	No. of Species
Invasive Alien Fauna	
Bird	2
Mammal	5
Amphibian	3
Reptile	2
Mollusk	2
Invertebrate (Arthropo	22
Invasive Alien Flora	
Herbs	12
Shrubs	6
Tress	8
Vines	9

Note: Table format may not be the same from the previous compilation due to updated data

Source: Biodiversity Management Bureau, DENR

Table 1.14
POPULATION OF THREATENED SPECIES
2010 to 2019

Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Philippine Eagle (in pairs)	500	500	500	500	500	500	500	500	500	400
Tamaraw	314	274	327	345	382	405	413	401	523	480
*Philippine Cockatoo	239	450	450	750	427	535	377	477	501	332

Note: *Cumulative highest count per year in identified conservation sites in Palawan

Source: Biodiversity Management Bureau, DENR

Table 1.15
NUMBER OF THREATENED WILDLIFE SPECIES BY TAXONOMIC GROUP
2010 to 2019

Taxonomic Group	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
A. Fauna[A]	**207**	**207**	**207**	**207**	**212**	**212**	**212**	**212**	**212**	**322**
Land Mammals	42	42	42	42	43	43	43	43	43	55
Birds	127	127	127	127	126	126	126	126	126	184
Reptiles	24	24	24	24	29	29	29	29	29	51
Amphibians	14	14	14	14	14	14	14	14	14	32
Invertebrates	...	...	...	...	...	...	...	...	...	784
B. Flora[B]	**526**	**526**	**526**	**526**	**526**	**526**	**526**	**984**	**984**	**984**

Notes:
... no data
[A] Based on DENR Administrative Order No. 2019-09
[B] Based on DENR Administrative Order No. 2017-11

Source: Biodiversity Management Bureau, DENR

Table 1.16
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
PHILIPPINES						**243**	**5,132,954.9**	
NCR						**4**	**587.4**	
	Las Piñas Parañaque Critical Habitat and Ecotourism Area	Freedom Island Trail (Rail Road), Parañaque, Metro Manila	Protected Landscape & Seascape	Terrestrial	E-NIPAS / E-NIPAS (RA-11038)		82.9	
	Luneta National Park*	Ermita, Manila	National Park	Terrestrial	Proc. 234 s. 1955		16.0	Under OGA
	Manila Bay Beach Resort*	Cities of Manila, Pasay and Parañaque	National Park	Terrestrial	Proc. 41 s. 1954		464.7	Under OGA
	Ninoy Aquino Parks and Wildlife Center	Quezon Avenue, Diliman, Quezon City	National Park	Terrestrial	Proclamation 723 s. 2004 / Proc. 42 s. 1954 / E-NIPAS (RA-11038)		23.8	
CAR						**7**	**167,242.0**	
	Balbalasang-Balbalan National Park*	Balbalan, Kalinga, and Apayao	National Park	Terrestrial	Republic Act 6463 s. 1972 / Proc. 1357 s. 1974		1,442.8	
	Cassamata Hill National Park*	Bangued, Abra	National Park	Terrestrial	Proc. 1305 s.1974		55.2	For delisting (co-management with LGU)
	Lower Agno Watershed Forest Reserve*	Tuba, Itogon, Benguet & Baguio City, San Manuel and San Nicolas, Pangasinan	Watershed Forest Reserve	Terrestrial	Proc. 2320 s. 1983		39,082.3	
	Marcos Hi-way Watershed Forest Reserve*	Agoo, La Union; Baguio City and Tuba, Benguet	Watershed Forest Reserve	Terrestrial	Proc. 1754 s. 1978		31,542.5	For dis-establishment
	Mt. Data National Park*	Along the Baguio Bontoc National Road, Benguet, Ifugao; and Kayapa, Nueva Viscaya	National Park	Terrestrial	Proc. 65 s. 1936		5,512.1	
	Mt. Pulag National Park*	Balbalan, Kalinga, Nueva Viscaya	National Park	Terrestrial	Proc. 75 s. 1987		11,601.9	
	Upper Agno River Basin Resource Reserve	Atok, Bokod, Buguias, Itogon, Kabayan, Tublay, Kibungan, La Trinidad, Benguet Province; Hungduan & Kiangan, Ifugao; Kayapa,	Resource Reserve	Terrestrial	Proc. 268 s. 2000		78,005.3	
I - Ilocos Region						**15**	**16,871.2**	
	Agoo-Damortis Protected Landscape and Seascape	Agoo, Sto. Tomas and Rosario, La Union	Protected Landscape & Seascape	Marine	Proclamation 277 s. 2000 / E-NIPAS (RA-11038)		269.4	
	Bessang Pass Natural Monument/Landmark	Cervantes, Ilocos Sur	Natural Monument	Terrestrial	Proclamation 284 s. 2000 / E-NIPAS (RA-11038)		581.0	
	Bigbiga Protected Landscape	Narvacan, Ilocos Sur	Protected Landscape	Terrestrial	Proclamation 290 s. 2000 / E-NIPAS (RA-11038)		142.9	
	Hundred Island National Park*	Alaminos, Pangasinan	National Park	Marine	Proclamation 667 s. 1940		312.4	Under OGA
	Ilocos Norte Metro Watershed Forest Reserve*	Pasuquin, Ilocos Norte	Watershed Forest Reserve	Terrestrial	Proclamation 731 s. 1934		2,247.7	For delisting (co-managed with the LGU of Pasuquin)
	Kalbario-Patapat Natural Park	Pagudpud and Adams, Ilocos Norte	Natural Park	Terrestrial	Proclamation 1275 s. 2007 / E-NIPAS (RA-11038)		3,901.1	
	Libunao Protected Landscape	Sinait, Ilocos Sur	Protected Landscape	Terrestrial	Proclamation 280 s. 2000 / E-NIPAS (RA-11038)		47.2	
	Lidlidda Protected Landscape	Lidlidda and Banayoyo, Ilocos Sur	Protected Landscape	Terrestrial	Proclamation 266 s. 2000 / E-NIPAS (RA-11038)		1,042.3	
	Manleluag Spring Protected Landscape	Mangatarem, Pangasinan	Protected Landscape	Terrestrial	Proclamation 576 s. 2004 / E-NIPAS (RA-11038)		1,938.8	
	Naguilian Watershed Reservation*	Naguilian, La Union	Watershed Reservation	Terrestrial	Proc. 52 s. 1936		86.8	For dis-establishment
	Northern Luzon Heroes Hill National Park*	Santa Navarcan, Ilocos Sur	National Park	Terrestrial	Proc.132 s. 1963		5,395.9	For delisting (co-managed with the Municipality of Santa)
	Paoay Lake National Park*	Paoay, Ilocos Norte	National Park	Terrestrial	P.D. 1554 s. 1978		378.8	For delisting (co-managed with the Provincial Gov't of Ilocos Norte)
	Santa Watershed Forest Reserve*	Santa, Ilocos Sur	Watershed Forest Reserve	Terrestrial	Proc. 844 s. 1935		27.2	For delisting (To be incorporated with NLHHNP; co-managed with the Municipality of Santa)
	Sta. Lucia (Salcedo) Protected Landscape	Salcedo, Ilocos Sur	Protected Landscape	Terrestrial	Proclamation 296 s. 2000 / E-NIPAS (RA-11038)		196.3	
	Tanap Watershed Forest Reserve*	Burgos, Ilocos Norte	Watershed Forest Reserve	Terrestrial	Proc. 803 s. 1971		303.3	For dis-establishment

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
II - Cagayan Valley						**15**	**719,209.0**	
	Bangan Hill National Park	Bayombong, Nueva Vizcaya	National Park	Terrestrial	Republic Act 7954 s. 1995		13.077501	
	Batanes Protected Landscape & Seascape	Batanes	Protected Landscape & Seascape	Terrestrial and Marine	Republic Act 8991 s. 2001 / Proc. 335 s. 1994		20366.91521	
	Bawa Watershed Forest Reserve*	Gonzaga and Lal-lo, Cagayan	Watershed Forest Reserve	Terrestrial	Proclamation 108 s. 1987		9,447.2	
	Casecnan Protected Landscape	Dupax del Norte, Dupax del Sur, Nueva Vizcaya; Madella, Quirino and Dipaculao, Aurora	Protected Landscape	Terrestrial	Proclamation 289 s. 2000 / E-NIPAS (RA-11038)		86,246.8	
	Dupax Watershed Reservation*	Dupax, Nueva Vizcaya	Watershed Reservation	Terrestrial	Proclamation 720 s. 1934		338.5	For delisting (co-managed with LGU)
	Fuyot Springs National Park*	Ilagan City, Isabela	National Park	Terrestrial	Proclamation 327 s. 1938		1,160.3	For delisting (co-managed with LGU)
	Isabela (Monte-Alto Timber Resource Corporation Parcel (1&2)*	Echague and San Mariano Isabela	Wilderness Area	Terrestrial	Proclamation 20 s. 1987		1,139.2	For dis-establishment
	Magapit Protected Landscape	Gattaran and Lal-lo, Cagayan	Protected Landscape	Terrestrial	Proclamation 285 s. 2000		3,851.1	
	Northern Sierra Madre Natural Park	Palanan, Divilacan, Maconacon, Ilagan, San Pablo, Cabagan, San Mariano, Dinapigue and Tumauini, Isabela	Natural Park	Terrestrial	Republic Act 9125 s. 2001 / Proc. 978 s. 1997		287975.1793	
	Palaui Island Marine Reserve	Sta. Ana, Cagayan	Marine Reserve	Marine	Proclamation 47 s. 1994 / E-NIPAS (RA-11038)		2665.570444	
	Peñablanca Protected Landscape & Seascape	Peñablanca, Cagayan	Protected Landscape	Terrestrial	Proclamation 484 s. 2003 / E-NIPAS (RA-11038)		103240.4957	
	Quirino Protected Landscape	Diffun, Cabarroguis, Aglipay, Maddela & Nagtipunan, Quirino	Protected Landscape	Terrestrial	Proclamation 779 s. 2005		183,364.8	
	Salinas Natural Monument	Bambang, Kayapa and Aritao, Nueva Vizcaya	Natural Monument	Terrestrial	Proclamation 275 s. 2000 / E-NIPAS (RA-11038)		5,966.0	
	Tumauini Watershed Forest Reserve	San Pablo, Cabagan, Maconacon, Divilacan, Isabela	Watershed Forest Reserve	Terrestrial	Proclamation 355 s. 1994 / E-NIPAS (RA-11038)		6,509.4	
	Wangag Watershed Forest Reserve*	Gonzaga and Lal-lo, Cagayan	Watershed Forest Reserve	Terrestrial	Proclamation 107 s. 1987		6,924.4	
III - Central Luzon						**24**	**276,569.4**	
	Amro River Protected Landscape	Casiguran and Dilasaga, Aurora	Protected Landscape	Terrestrial	Proclamation 274 s. 2000 / E-NIPAS (RA-11038)		6,431.3	
	Angat Watershed and Forest Range (Pilot)*	Norzagaray, San Jose Del Monte, Bulacan	Watershed Forest Reserve	Terrestrial	Proclamation 391 s.1968		6,671.6	For delisting (managed by MWSS)
	Angat Watershed Forest Reserve (Metro Water District)	Montalban, Rizal; San Jose Del, Monte, Norzagaray, Bulacan; and Angat, San Rafael, Nueva Ecija	Watershed Forest Reserve	Terrestrial	Proclamation 71 s. 1927		54,574.3	For delisting (managed by NPC)
	Aurora Memorial National Park*	Bongabon, Nueva Ecija and Baler, Quezon	National Park	Terrestrial	Proclamation 130 s. 1949		6,516.9	
	Aurora Watershed Forest Reserve*	Aurora	Watershed Forest Reserve	Terrestrial	Proclamation 34 s. 1936		1,627.3	
	Bataan National Park*	Hermosa, Orani, Samal, Abucay, Pila, Balanga, Bagac, and Morong Bataan; (Subic, Zambales)	National Park	Terrestrial	Proclamation 192 s. 1987 / Proc. 24 s. 1945 / E-NIPAS (RA-11038)		19,991.9	
	Biak-na-Bato National Park*	San Miguel, Bulacan	National Park	Terrestrial	Proclamation 223 s. 1937		2,112.4	For dis-establishment
	Calabgan Watershed Forest Reserve*	Casiguran, Aurora	Watershed Forest Reserve	Terrestrial	Proclamation 915 s. 1992		4,629.5	
	Dibalo-Pingit-Zabali-Malayat Watershed Forest Reserve*	Baler, San Luiz, Aurora	Watershed Forest Reserve	Terrestrial	Proclamation 908 s. 1992		4,571.8	
	Dinadiawan River Protected Landscape	Dipaculao, Aurora	Protected Landscape	Terrestrial	Proclamation 278 s. 2000 / E-NIPAS (RA-11038)		3,366.5	
	Dipaculao Watershed Forest Reserve*	Dipaculao, Aurora	Watershed Forest Reserve	Terrestrial	Proclamation 116 s. 1987		2,678.3	
	Doña Remedios/General Tinio Watershed*	Doña Remedios, Bulacan; Gen. Tinio, Nueva Ecija	Watershed Forest Reserve	Terrestrial	Proclamation 230 s. 1988		20,930.8	
	Lake Malimanga Bird and Fish Sanctuary*	Candelaria, Zambales	Game Refuge and Bird	Terrestrial	Proclamation 1949 s. 1980		22.9	For delisting (recommended as critical habitat)

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Masinloc and Oyon Bay Marine Reserve	Masinloc, Oyon, Zambales	Marine Reserve	Marine	Proclamation 231 s. 1993 / E-NIPAS (RA-11038)		846.9	
	Minalungao National Park*	Gapan and Gen. Tinio, Nueva Ecija	National Park	Terrestrial	Republic Act 5100 s. 1967		2,018.4	For dis-establishment
	Mt. Arayat National Park*	Arayat, Pampanga	National Park	Terrestrial	Proclamation 203 s. 1937		3,706.8	
	Olongapo Naval Base Perimeter*	Olongapo City, Zambales	National Park	Terrestrial	Proclamation 478 s. 1968		46.5	
	Olongapo Watershed Forest Reserve*	Olongapo, Zambales	Watershed Forest Reserve	Terrestrial	Proclamation 66 s. 1987		6,293.5	For delisting (managed by SBMA)
	Pantabangan-Carangalan Watershed Reservation*	Pantabangan, Caranglan, Nueva Ecija	Watershed Reservation	Terrestrial	Proclamation 561 s. 1969		94,865.0	
	Roosevelt Protected Landscape	Hermosa and Dinalupihan, Bataan	Protected Landscape	Terrestrial	Proclamation 273 s. 2000 / E-NIPAS (RA-11038)		950.4	
	Simbahan-Talagas Protected Landscape	Dinalungan, Aurora	Protected Landscape	Terrestrial	Proclamation 267 s. 2000 / E-NIPAS (RA-11038)		2,284.4	
	Talavera Watershed Reservation*	Sta. Fe, Nueva Vizcaya, Carranglan, Lupao, San Jose and Pantabangan, Nueva	Watershed Reservation	Terrestrial	Proclamation 350 s. 1938		27,486.5	
	Talaytay Protected Landscape	Dinalungan, Aurora	Protected Landscape	Terrestrial	Proclamation 283 s. 2000 / E-NIPAS (RA-11038)		3,598.3	
	Watershed Purposes of Mariveles (Palanas)*	Mariveles, Bataan	Watershed Forest Reserve	Terrestrial	EO. 20 s.1919		347.1	
IVA - CALABARZON						**22**	**229,566.9**	
	Alabat Watershed Forest Reserve*	Alabat, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 156 s. 1987		316.9	For dis-establishment
	Binahaan River Watershed Forest Reserve*	Pagbilao, Mauban, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 735 s.1991		476.3	For delisting (co-managed with LGU)
	Buenavista Protected Landscape	Mulanay, Quezon	Protected Landscape	Terrestrial	Proclamation 294 s. 2000 / E-NIPAS (RA-11038)		287.2	
	Calauag Watershed Forest Reserve*	Calauag, Quezon	National Park	Terrestrial	Proclamation 367 s. 1939		307.0	For dis-establishment
	Hinulugan Taktak Protected	Antipolo, Rizal	Protected Landscape	Terrestrial	Proclamation 412 s. 2000 / E-NIPAS (RA-11038)		3.6	
	Infanta Watershed Forest Reserve*	Infanta, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 158 s. 1967		479.8	
	Island of Alibijaban Wilderness Area*	Ragay Gulf, Bondoc, Peninsula in Quezon	Protected Landscape & Seascape	Terrestrial	Proclamation 2151 s. 1981		462.6	
	Island of Polilio, Alabat, Cabelete, Jomalig Patnanongan, Kalotkot, Kalongkooan, Palasan, Calabao, Icol, and San Rafael*	Lamon Bay, Quezon	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		4,540.8	
	Lopez Watershed Forest Reserve*	Calauag, Guinayangan and Lopez, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 566 s. 1940		440.6	For dis-establishment
	Maulawin Spring Protected Landscape	Guinayangan, Quezon	Protected Landscape	Terrestrial	Proclamation 295 s. 2000 / E-NIPAS (RA-11038)		183.1	
	Mts. Banahaw-San Cristobal Protected Landscape	Lucban, Tayabas, Sariaya Candelaria & Dolores, Quezon; Rizal, Nagcarlan, Liliw, Majayjay and San Pablo City, Laguna	Protected Landscape	Terrestrial	Republic Act 9847 s. 2009		11,310.6	
	Mts. Palay-palay-Mataas-na-Gulod Protected Landscape	Ternate and Maragondon, Cavite & Nasugbu, Batangas	National Park	Terrestrial	Proclamation 1315 s. 2007 / E-NIPAS (RA-11038)		3,969.8	
	Mulanay Watershed Forest Reserve*	Mulanay, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 296 s. 1938		29.7	For delisting (co-managed with FMS)
	Pagsanjan Gorge National Park*	Cavinti and Lucban, Laguna	Watershed Forest Reserve	Terrestrial	Proclamation 392 s. 1939		166.5	Under OGA

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Palsabangan River up to Mazintuto River Bacong River up to Sandoval Point*	Tayabas Bay, Quezon	Mangrove Swamp Forest Reserve	Terrestrial			778.1	
	Palay Point up to Mulanay River Bondoc Peninsula*							
	Bondoc River in Aurora up to Pinamutangan Point Bondoc Peninsula*							
	San Andres to Arena Point Bondoc Peninsula*				Proclamation 2152 s. 1981			
	Pamitinan Protected Landscape	Rodriguez, Rizal	Protected Landscape	Terrestrial	Proclamation 901 s. 1996 / E-NIPAS (RA-11038)		609.1	
	Polilio Watershed Forest Reserve*	Polilio, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 72 s. 1966		126.0	For delisting (co-managed with LGU as Local Conserved Area)
	Quezon Protected Landscape	Atimonan, Padre Burgos and Pagbilao, Quezon	Protected Landscape	Terrestrial	Proclamation 394 s. 2003 / E-NIPAS (RA-11038)		1,042.9	
	Taal Volcano Protected Landscape	Talisay, Malvar, Tanauan, Laurel, Agoncillo, Santa, Teresita, Cuenca, Alitagtag, Mataas na Kahoy, Lipa City, Balete, San Nicolas, Batangas; Tagaytay City	Protected Landscape	Terrestrial	Proclamation 906 s. 1996 / E-NIPAS (RA-11038)		62,292.2	
	Tibiang-Damagandong Watershed*	Guinayangan, Quezon	Watershed Forest Reserve	Terrestrial	Proclamation 295 s. 1938		274.5	For dis-establishment
	Unnamed NP, Wildlife Sanctuary and Game Preserve (P.D. 1636)*	Provinces of Laguna, Quezon, Rizal and Bulacan	Wildlife Sanctuary and Game Preserve	Terrestrial	PD 1636 s. 1977		115,344.0	
	Upper Marikina River Basin Protected Landscape	Antipolo City; Baras, Rodriguez, San Mateo and Tanay, Rizal	Protected Landscape	Terrestrial	Proclamation 296 s. 2011 / E-NIPAS (RA-11038)		26,125.6	
MIMAROPA						**23**	**2,159,356.6**	
	Apo Reef Natural Park	Sablayan, Occidental Mindoro	Natural Park	Marine	Proclamation 868 s. 1996 / E-NIPAS (RA-11038)		25.8	
	Calatrava, San Andres, San Agustin Watershed Forest Reserve*	Calatrava, San Andres, San Agustin, Tablas Island, Romblon	Watershed Forest Reserve	Terrestrial	Proclamation 2186 s. 1982		2,614.3	
	Calauit Island Game Preserve and Wildlife Sanctuary*	Calauit, New Busuanga, Palawan	Game Preserve and Wildlife Sanctuary	Terrestrial	Presidential Decree 1578 s. 1976		3,656.3	For delisting (under the PCSD management)
	Calavite and F.B. Harrison Game Refuge and Bird Sanctuary*	Sablayan and Mamburao, Occidental Mindoro	Wildlife Sanctuary	Terrestrial	E.O. 9 s. 1920		106,479.1	
	El Nido Managed Resource Protected Area	El Nido, Palawan	Natural Park	Marine	Proclamation 32 s. 1998		38,601.1	
	Entire Province of Palawan*	Palawan	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		53,429.5	For delisting (co-managed with PCSD)
	Island of Sta. Cruz and Salomaque Foreshoreline of Bo. Dapdap and Alabo up to the mouth of Tagum River*	Marinduque	Mangrove Swamp Forest Reserve	Terrestrial			2,199.2	
	Malinao Creek up to Salomaque Point * Foreshoreline of Bo. Cabuyagan to the eastern side of Dating Bayan River in Calancan Bay*				Proclamation 2152 s. 1981			
	Malampaya Sound Protected Landscape and Seascape	Taytay and San Vicente, Palawan	Protected Landscape & Seascape	Marine	Proclamation 342 s. 2000		89,085.1	

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Mangrove areas along the banks of Mamburao River Buluagan River to Lagarum River, Naujan*	Oriental Mindoro	Mangrove Swamp Forest Reserve	Terrestrial			989.3	
	Mangrove area in the banks of Batel Creek, Sta. Cruz*							
	Sablayan Point up to the mouth of Bagong Sabang River*							
	Bo. Labangan to Calalayuan Point, Ilin Island*							
	Mangroves at the western side of Sukol River Bongabong*							
	Mangroves at the western side of Casiliga River Island of Soquicav*				Proclamation 2152 s. 1981			
	Marinduque Wildlife Sanctuary	Boac, Gasan, Buenavista, Torrijos and Sta. Cruz, Marinduque	Wildlife Sanctuary	Terrestrial	Proclamation 696 s. 2004 / E-NIPAS (RA-11038)		18,148.4	
	Mt. Calavite Wildlife Sanctuary	Paluan, Occidental Mindoro	Wildlife Sanctuary	Terrestrial	Proclamation 292 s. 2000 / E-NIPAS (RA-11038)		18,172.7	
	Mt. Guiting-Guiting Natural Park	Cajidiocan, Magdiwang, and San Fernando, Island of Sibuyan, Romblon	Natural Park	Terrestrial	Proclamation 746 s. 1996 / E-NIPAS (RA-11038)		15,515.2	
	Mt. Mantalingahan Protected Landscape	Bataraza, Brooke's Point, Sofronio Española, Quezon and Rizal, Palawan	Protected Landscape	Terrestrial	Proclamation 1815 s. 2009		121,868.3	
	Mts. Iglit Baco National Park*	Sablayan, Occidental Mindoro and Bongabon, Oriental Mindoro	National Park	Terrestrial	Proclamation 557 s. 1969 / E-NIPAS (RA-11038)		106,655.5	
	Naujan Lake National Park*	Naujan, Pola and Victoria, Oriental Mindoro	National Park	Terrestrial	Proclamation 335 s. 1968		15,326.4	
	Palawan Flora, Fauna and Watershed Forest Reserve (Parcel 1)*	Puerto Princesa, Palawan	Watershed Forest Reserve	Terrestrial	Proclamation 2221 s. 1982		4,799.2	For delisting (under City Government of PP)
	Palawan Flora, Fauna and Wateshed Forest Reserve (Parcel 2)*	Puerto Princesa, Palawan	Watershed Forest Reserve	Terrestrial	Proclamation 2425 s. 1985		3,240.3	For delisting (under City Government of PP)
	Palawan Game Refuge and Bird Sanctuary*	Palawan	Game Refuge and Bird Santuary	Terrestrial	Proclamation 219 s. 1967		1,084,102.0	For delisting (Individual proclamation to be retained (Malampaya, Rasa, Puerto Princessa Subterrenean, Mt. Mantalingahan and El Nido)
	Puerto Princesa Underground River	Puerto Princesa, Palawan	Natural Park	Terrestrial	Proclamation 212 s. 1999		21,276.7	
	Rasa Island Wildlife Sanctuary	Narra, Palawan	Wildlife Sanctuary	Terrestrial	Proclamation 1000 s. 2006		930.6	
	Sibuyan Island*	Romblon	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		483.3	
	Torrijos Watershed Forest Reserve*	Torrijos, Marinduque	Watershed Forest Reserve	Terrestrial	Proclamation 463 s. 1932		157.8	For dis-establishment
	Tubbataha Reefs Natural Park	Cagayancillo, Palawan	Natural Park	Marine	Proc. 10067 s. 2010		451,600.6	
V - Bicol Region						**26**	**122,401.0**	
	Abasig-Matogdon Mananap Natural Biotic Area	Labo, San Lorenzo Ruiz (Imelda) and San Vicente, Camarines Norte	Natural Biotic Area	Terrestrial	Proclamation 318 s. 2000 / E-NIPAS (RA-11038)		5,918.3	
	Bicol Natural Park	Basud and Daet, Camarines Norte and Sipocot and Lupi, Camarines Sur	Natural Park	Terrestrial	Proclamation 43 s. 2000 / E-NIPAS (RA-11038)		5,466.3	
	Bongsanglay Natural Park	Batuan, Masbate	Natural Park	Terrestrial	Proclamation 319 s. 2000 / E-NIPAS (RA-11038)		260.5	
	Buhi Wildlife Sanctuary	Buhi, Camarines Sur	Wildlife Sanctuary	Terrestrial	E-NIPAS / E-NIPAS (RA-11038)		1,620.7	
	Bulusan Volcano Natural Park	Casiguran, Barcelona, Irosin and Juban, Sorsogon	Natural Park	Terrestrial	Proclamation 421 s. 2000 / E-NIPAS (RA-11038)		3,641.6	
	Capalonga Watershed Forest Reserve*	Capalonga, Camarines Norte	Watershed Forest Reserve	Terrestrial	Proclamation 126 s. 1968		358.9	For dis-establishment
	Caramoan National Park*	Caramoan, Camarines Sur	National Park	Terrestrial	Proclamation 291 s. 1938		346.4	

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Catanduanes Watershed Forest Reserve*	Virac, Bato, San Miguel, Pandan, Calolbon, Baras, Catanduanes	Watershed Forest Reserve	Terrestrial	Proclamation 123 s. 1987 / E-NIPAS (RA-11038)		48,924.1	
	Chico Island Wildlife Sanctuary	Cawayan, Masbate	Wildlife Sanctuary	Terrestrial	Proc. 272 s. 2000		5.0	
	Dahican Watershed Forest Reserve*	Mambulao, Camarines Norte	Watershed Forest Reserve	Terrestrial	Proc. 592 s. 1933		42.2	For dis-establishment
	Island of Basot and Quinalaang	Camarines Sur	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		3,353.8	For dis-establishment
	Island of Dampalit*	Samar Sea in Masbate	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		15.2	
	Island of Majaba and Napayuan*	Sibuyan Sea, Masbate	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		430.6	For dis-establishment
	Islands of Guinauyan, Naro, Chico, and Pobre*	Asia Gulf in Masbate	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		126.7	For dis-establishment
	Lagonoy Natural Biotic Area	Lagonoy, Camarines Sur	Natural Biotic Area	Terrestrial	Proclamation 297 s. 2000 / E-NIPAS (RA-11038)		443.6	
	Libmanan Caves National Park*	Libmanan, Camarines Sur	National Park	Terrestrial	Proc. 654 s. 1934		18.5	For dis-establishment
	Malabungot Protected Landscape & Seascape	Garchitorena, Camarines Sur	Protected Landscape & Seascape	Marine	Proclamation 288 s. 2000 / E-NIPAS (RA-11038)		138.7	
	Malaquing River up to Mabunga River, Cueva Point up to Kimartinez Point, Kabugao Point up to Kabalog Andang Point	Burias Island	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		429.2	
	Mangrove areas from Del Pilar River to Palita Island, Bo. Salvacion and Dahican*	Camarines Norte	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		2,257.9	
	Mayon Volcano Natural Park	Daraga, Albay, Camalig, Guinobatan, Ligao, Malilipot and Tabaco, Legaspi City, Sto. Domingo, Albay	Natural Park	Terrestrial	Proclamation 413 s. 2000 / E-NIPAS (RA-11038)		5,327.2	
	Mt. Isarog Natural Park	Naga City, Calabanga, Tinambac, Goa, Tigaon, Ocampo and Pili, Camarines Sur	Natural Park	Terrestrial	Proclamation 214 s. 2002 / E-NIPAS (RA-11038)		10,090.9	
	Naro Island Wildlife Sanctuary	Cawayan, Masbate	Wildlife Sanctuary	Terrestrial	Proc. 317 s. 2000		57.6	
	Pigbucan to Paron Point*	Manito, Albay	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		188.0	
	Putiao River to Malbog River, Getumbro pt. to Prieto Diaz, Panuntingan Pt. to Tagdon River, Sinagbatan Bay to Mantay Pt.	Sorsogon	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		2,548.2	
	Tanglar point to Bicol river up to the islands of Lahay, Locsuhin, Haponan, Quinabungan, Lamit and Batan	Camarines Sur	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		3,018.3	
	Ticao Burias Pass Protect	Burias / Greater Luzon / Greate	Protected Sea	Marine	E-NIPAs / E-NIPAS (RA-11038)		27,372.6	
VI - Western Visayas						**14**	**177,868.0**	
	Aklan River Watershed Forest Reserve*	Madalag and Libacao, Aklan	Watershed Forest Reserve	Terrestrial	Proc. 600 s. 1990		24,131.9	For delisting (Recommended to be declared as Central Panay Mountains Critical Habitat (under the Giz-DENR-LGU Climate Forest Protection Project in Panay)
	Bulabog-Putian National Park*	Dingle and San Enrique, Iloilo	National Park	Terrestrial	Proc. 760 s. 1961		889.3	For dis-establishment
	Dalanas River Watershed Forest Reserve*	Barbaza, Antique	Watershed Forest Reserve	Terrestrial	Proc. 603 s. 1990		7,954.7	For delisting (Recommended to be declared as Central Panay Mountains Critical Habitat (under the Giz-DENR-LGU Climate Forest Protection Project in Panay)
	Ilog-Hilabungan Watershed Forest Reserve*	Himamaylan and Kabankalan, Negros Occidental	Watershed Forest Reserve	Terrestrial	Proc. 602		10,475.6	For dis-establishment

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Jalaur River Watershed Forest Reserve*	Calinog, Iloilo	Watershed Forest Reserve	Terrestrial	Proc. 601 s. 1990		9,463.4	For delisting (Recommended to be declared as Central Panay Mountains Critical Habitat (under the Giz-DENR-LGU Climate Forest Protection Project in Panay)
	Kabangkalan Watershed Forest Reserve*	Kabangkalan, Negros Occidental	Watershed Forest Reserve	Terrestrial	Proc. 820		416.9	For dis-establishment
	Maasin Watershed Forest Reserve*	Cabatuan, Iloilo	Watershed Forest Reserve	Terrestrial	Proc. 16 s. 1923		6,540.0	
	Mt. Kanlaon Natural Park	Bago, La Carlota, La Castellana, Murcia, San Carlos, Negros Occidental; City of Canlaon, Vallehermoso, Negros	Natural Park	Terrestrial	RA 9154 Proc. 1005		23,559.8	
	Northern Negros Natural Park	Cities of Talisay, Silay, Victorias, Cadiz, Sagay & San Carlos, Municipalities of E.B. Magalona, Murcia, Toboso, Calatrava & Don Salvador Benedicto, Negros Occidental	Natural Park	Terrestrial	Proclamation 895 s. 2002 / E-NIPAS (RA-11038)		70,826.2	
	Northwest Panay Peninsula Natural Park	Nabas, Malay, and Buruanga, Aklan/Libertad and Pandan, Antique	Natural Park	Terrestrial	Proclamation 186 s. 2002 / E-NIPAS (RA-11038)		12,009.3	
	Pan-ay River Watershed Forest Reserve*	Tapaz, Capiz	Watershed Forest Reserve	Terrestrial	Proc. 599 s. 1990		4,076.6	For dis-establishment
	Sagay Marine Reserve	Sagay City, Negros Occidental	Marine Reserve	Marine	RA 9106 Proc. 592		604.2	
	Sibalom Natural Park	Sibalom, Antique	Protected Seascape	Marine	Proclamation 282 s. 2000 / E-NIPAS (RA-11038)		6,778.4	
	Taklong Island National Marine Reserve*	Nueva Valencia, Guimaras, Iloilo	National Marine Reserve	Marine	Proc. 525 s. 1990		142.0	
VII - Central Visayas						**19**	**98,487.9**	
	Alburquerque-Loay-Loboc Protected Landscape and	Alburquerque, Loay, Loboc, Bohol	Protected Landscape & Seascape	Marine	Proclamation 293 s. 2000 / E-NIPAS (RA-11038)		591.9	
	Alijawan-Cansuhay, Anibongan River Watershed Forest Reserve*	Duero, Jagna, Bohol	Watershed Forest Reserve	Terrestrial	Proc. 881 s. 1992		3,737.4	For dis-establishment
	Apo Island Protected Landscape/Seascape	Zamboanguita, Negros Oriental	Protected Landscape & Seascape	Marine	Proclamation 438 s. 1994 / E-NIPAS (RA-11038)		75.0	
	Balinsasayao Twin Lakes Natural Park	Valencia, Sibulan and San Jose, Negros Oriental	Natural Park	Terrestrial	Proclamation 414 s. 2000 / E-NIPAS (RA-11038)		8,016.0	
	Central Cebu Protected Landscape	Cities of Cebu, Talisay, Toledo and Danao; Minglanilla, Consolacion, Liloan Compostela & Balamban, Cebu	Protected Landscape	Terrestrial	RA 9486 s. 2007 Proc. 441		28,488.6	
	Chocolate Hills Natural Monument	Carmen, Batuan, Sagbayan, Bilar, Valencia, Sierra Bullones, Bohol	Natural Monument	Terrestrial	Proclamation 1037 s. 1997 / E-NIPAS (RA-11038)		13,995.0	
	Guadalupe Mabugnao Mainit Hot Spring NP*	Carcar, Cebu	National Park	Terrestrial	R.A. 6429 s. 1972		62.3	For dis-establishment
	Island of Ambugan/Hambungan and Inabanga River (MSFR)	Cebu strait, Bohol	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		1,137.2	
	Island of Bantayan*	Visayan Sea in Cebu	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		11,223.3	
	Island of Pamusuan, Handayan, Majanay; Islets of Bonoon, Lapinig Pinahon and Lapinig Chico; Mangrove areas east of Soom RiverPangpang**	Camotes Sea, Bohol	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		1,954.6	
	Island of Ponson, Poro, Pacihan (Camotes Island Protected Landscape and Seascape)*	Camotes Sea, Cebu	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981 / E-NIPAS (RA-11038)		1,328.8	

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Islands of Budlanan, Bugatusan, Panga, Silo, Cabgan, Canconstino, Tabaon, Maagpit, and Islaet of Basilan, Bugatusan, Hayaan, Inanoran and Poom Point East of Basihan Islet (Getafe Group of Island) (Clarin Group of Island)*	Cebu Strait in Bohol	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		6.4	
	Islands of Catiil, Colangaman, Lomislis, Tagangdio, Tintiman and the Islet of Pamasuan*	Caniago Channel, Bohol	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		189.0	
	Loboc Watershed Forest Reserve*	Balilihan, Bilar, Batuan, Carmen, Clarin, Garcia Hernandez, Jagna, Loboc, Lila, Sivilya, Sierra Bullones and Velencia, Bohol	Watershed Forest Reserve	Terrestrial	Proc. 450 s. 1953		8,889.7	For dis-establishment
	Olango Island Wildlife Sanctuary*	Sta. Rosa, Danganan, Lapu-Lapu, Cebu	Wildlife Sanctuary	Terrestrial and Marine	Proclamation 903 s. 1992 / E-NIPAS (RA-11038)		520.9	
	Panglao Island Protected Seascape	Island of Panglao, Bohol	Protected Seascape	Marine	Proclamation 426 s. 2003 / E-NIPAS (RA-11038)		267.7	
	Rajah Sikatuna Protected Landscape	Carmen, Sierra Bullones, Valencia Garcia, Hernandez, Dimiao, Bilar, Batuan, Bohol	Protected Landscape	Terrestrial	Proclamation 287 s. 2000 / E-NIPAS (RA-11038)		10,964.6	
	Talibon Group of Islands Protected Landscape and Seascape	Talibon, Bohol	Protected Landscape & Seascape	Marine	Proclamation 131 s. 1999 / E-NIPAS (RA-11038)		386.2	
	Tañon Strait Protected Seascape	Cebu, Negros Occidental and Negros Oriental	Protected Seascape	Marine	Proclamation 1234 s. 1998 / E-NIPAS (RA-11038)		6,653.0	
VIII - Eastern Visayas						**11**	**366,248.5**	
	Biri Larosa Protected Landscape/Seascape	Lavezares, Rosario, San Jose, Biri and neighboring islands such as Bani, San Juan, Gilbert, Cabungon Grande and Biri Islands, Northern Samar	Protected Landscape & Seascape	Marine	Proclamation 291 s. 2000 / E-NIPAS (RA-11038)		10,396.4	
	Calbayog-Pan-As Hayiban Protected Landscape	Calbayog Samar	Protected Landscape	Terrestrial	Proclamation 1158 s. 1998 / E-NIPAS (RA-11038)		5,067.9	
	Cuatro Islas Protected Landscape/Seascape	Inopacan, Hindang, and neighboring Islands of Digyo, Apid Mahaba and Himukilan, Leyte	Protected Landscape & Seascape	Marine	Proclamation 270 s. 2000 / E-NIPAS (RA-11038)		129.2	
	Guiuan Protected Landscape/Seascape	Guiuan and neighboring Island of Manicani, Candulo, Suluan, Tubabao, Calicoan and Homonhon, Eastern Samar	Protected Landscape & Seascape	Marine	Proclamation 469 s. 1994 / E-NIPAS (RA-11038)		4,333.7	
	Kuapnit Balinsasayao National Park*	Baybay and Abuyog, Leyte	National Park	Terrestrial	Proclamation 142 s. 1937		376.8	For dis-establishment
	Lake Danao Natural Park	Ormoc, Leyte	Natural Park	Terrestrial	Proclamation 1155 s. 1998 / E-NIPAS (RA-11038)		2,244.1	
	Mac. Arthur Landing National Park (Imelda Park)*	Palo, Leyte	National Park	Terrestrial	LOI 572 s. 1977		6.8	For dis-establishment
	Mahagnao Volcano Natural Park	Burauen and La Paz, Leyte	Natural Park	Terrestrial	Proclamation 1157 s. 1998 / E-NIPAS (RA-11038)		340.8	
	Mangrove areas along the coastline of Dupon Bay from Sacay Point up to the mouth of Dupon River Apali Point to Calunangan Point Puerto Bello to Lao Mangrove areas from Bo. Tuban and Bo. Manpagui in Santa Cruz*	Leyte	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		2,616.2	
	Palompon Watershed Forest Reserve*	Palompon, Villaba, Leyte	Watershed Forest Reserve	Terrestrial	Proclamation 212 s. 1988		5,631.0	

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Samar Island Natural Park	Basey, Calbiga, Catbalogan, Gandara, Hinabangan, Jiabong, Marabut, Matuguinao, Motiong, Paranas, San Jorge, San Jose de Buan, Pinabacdao, City of Calbayog, Samar; Arteche, Balangiga, Balangkayan, Borongan, Can-Avid, Dolores, Gen. MacArthur, Giporlos, Hernane, Jipapad, Lawaan, Llorente, Maslog, Maydolong, Oras, Quinapondan, San Julian, Sulat and Taft, Eastern Samar; Catubig, Las Navas, Lope de Vega, Mondragon and Silvino Lubos. Northern	Natural Park	Terrestrial	Proclamation 442 s. 2003 / E-NIPAS (RA-11038)		335,105.6	
IX - Zamboanga Peninsula						**14**	**33,699.3**	
	Aliguay Island Protected Landscape/Seascape	Dapitan City, Zamboanga del Norte	Protected Landscape & Seascape	Marine	Proclamation 106 s. 1999 / E-NIPAS (RA-11038)		81.8	
	Basilan Natural Biotic Area	Lamitan, Sumisip, Tipotipo and Isabela, Basilan	Natural Biotic Area	Terrestrial	Proclamation 321 s. 2000 / E-NIPAS (RA-11038)		4,546.0	
	Buug Natural Biotic Area	Buug, Zamboanga del Sur	Natural Biotic Area	Terrestrial	Proclamation 63 s. 1998 / E-NIPAS (RA-11038)		1,261.5	
	Dumanquilas Protected Landscape/Seascape	Malangas, Buug, Kumalarang,Lapuyan, Margosatubig and Vencenso Sagun, Zambo del Sur	Protected Landscape & Seascape	Marine	Proclamation 158 s. 1999 / E-NIPAS (RA-11038)		401.2	
	Great and Little Sta. Cruz Islands Protected Landscape and Seascape	Zamboanga City, Zamboanga del Sur	Protected Landscape & Seascape	Marine	Proclamation 271 s. 2000 / E-NIPAS (RA-11038)		304.5	
	Jose Rizal Memorial Protected Landscape	Dapitan City, Zamboanga del Norte	Protected Landscape	Terrestrial	Proclamation 279 s. 2000 / E-NIPAS (RA-11038)		462.5	
	Mangrove areas from the municipality of Tagalisay to the mouth of Tigbao River including east of Vitali Island*	Sibugay Bay, Zamboanga del Sur	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		2,634.7	
	Mangrove Areas in Tumalong Bay, Baong River, Pongca Bay,Mangrove in Pisan, Sagayapan, Tintauan and Sacol Island		Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		8,353.7	
	Mount Timolan Protected Landscape	San Miguel, Guipos and Tigbao, Zamboanga del Sur	Protected Landscape	Terrestrial	Proclamation 354 s. 2000 / E-NIPAS (RA-11038)		2,244.5	
	Murcielagos Island Protected Landscape and Seascape	Labason, Zamboanga del Norte	Protected Landscape & Seascape	Marine	Proclamation 281 s. 2000 / E-NIPAS (RA-11038)		25.0	
	Pasonanca Natural Park	Zamboanga City	Natural Park	Terrestrial	Proclamation 132 s. 1999 / E-NIPAS (RA-11038)		12,102.1	
	Selinog Island Protected Landscape and Seascape	Dapitan City, Zamboanga del Norte	Protected Landscape & Seascape	Marine	Proclamation 276 s. 2000 / E-NIPAS (RA-11038)		86.5	
	Siocon Resource Reserve	Siocon, Zamboanga del Norte	Resource Reserve	Terrestrial	Proclamation 84 s. 1999 / E-NIPAS (RA-11038)		855.6	
	Turtle Islands Wildlife Sanctuary	Municipalities of Turtle Islands, Tawi-tawi	Wildlife Sanctuary	Marine	Proclamation 171 s. 1999 / E-NIPAS (RA-11038)		339.8	
X - Northern Mindanao						**12**	**137,855.7**	
	Baliangao Protected Landscape/ Seascape	Baliangao, Misamis Occidental	Protected Landscape & Seascape	Marine	Proclamation 418 s. 2000 / E-NIPAS (RA-11038)		121.7	
	Barrio Bagumbang to Malautan River*	Ozamis City, Misamis Occidental	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		502.1	
	Initao-Libertad Protected Landscape & Seascape	Initao and Libertad, Misamis Oriental	Protected Landscape and Seascape	Marine	Proclamation 260 s. 2002 / E-NIPAS (RA-11038)		63.7	
	Mahugunao Watershed Forest Reserve*	Cagayan, Misamis Oriental	Watershed Forest Reserve	Terrestrial	Proclamation 470 s. 1932		147.2	For dis-establishment

Continued

Table 1.16 *(Continued)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
	Mangrove areas from Liangan River up to Lipatan River of the Municipality of Lapayan*	Lanao del Norte	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		154.0	
	Mimbilisan Protected Landscape	Talisayan and Balingoan, Misamis Oriental	Protected Landscape	Terrestrial	Republic Act 9494 s. 2007		106.8	
	Mt. Balatukan Range Natural Park	Claveria, Balingasag, Medina and Gingoog City, Misamis Oriental	Natural Park	Terrestrial	Proclamation 1249 s. 2007 / E-NIPAS (RA-11038)		8,437.9	
	Mt. Inayawan Range Natural Park	Nunungan, Lanao del Norte	Natural Park	Terrestrial	Proclamation 1344 s. 2007 / E-NIPAS (RA-11038)		4,236.2	
	Mt. Kalatungan Range Natural Park	Talakag, Valencia, Maramag and Pangantucan, Bukidnon	Natural Park	Terrestrial	Proclamation 305 s. 2000 / E-NIPAS (RA-11038)		22,225.1	
	Mt. Kitanglad Range Natural Park	Talakag, Baungon, Libona, Manolo Fortich, Sumilao, Impasug-ong, Malaybalay and Lantapan, Bukidnon	Natural Park	Terrestrial	Republic Act 8978 s. 2000		47,234.2	
	Mt. Malindang Natural Park	Oroquieta City, Ozamiz Tangub City, Concepcion, Sapang Dalaga, Calamba, Aloran, Panaon, Jimenez, Sinacaban, Tudela, Clarin, Bonifacio, Don Victoriano and Lopez Jaena, Misamis Occidental	Natural Park	Terrestrial	Republic Act 9304 s. 2004		52,423.5	
	Mt. Timpoong Hibok-hibok Natural Monument	Mambajao, Mahinog, Sagay and Catarman, Camiguin	Natural Monument	Terrestrial	Proclamation 570 s. 2004 / E-NIPAS (RA-11038)		2,203.4	
XI - Davao Region						**10**	**86,862.8**	
	Aliwagwag Protected Landscape	Boston and Cateel, Davao Oriental Compostela, Compostela Valley	Protected Landscape	Terrestrial	Proclamation 139 s. 2011 / E-NIPAS (RA-11038)		10,261.1	
	Baganga Protected Landscape	Baganga, Davao Oriental	Protected Landscape	Terrestrial	Proclamation 269 s. 2000		114.9	
	Mabini Protected Landscape and Seascape	Mabini, Compostela Valley; Davao Gulf, Davao del Sur	Protected Landscape & Seascape	Marine	Proclamation 316 s. 2000 / E-NIPAS (RA-11038)		221.2	
	Mainit Hotspring Protected Landscape	Nabunturan, Compostela Valley	Protected Landscape	Terrestrial	Proclamation 320 s. 2000 / E-NIPAS (RA-11038)		1,422.6	
	Malagos Watershed Reservation*	Guianga, Davao City	Watershed Reservation	Terrestrial	Proclamation 612 s. 1933		235.3	For dis-establishment
	Mangrove areas from Baculin Point to lakud Point- Mangrove areas from Tanuip Point in Banao to Kinablangan Island* and Island of Samal*	Davao	Mangrove Swamp Forest Reserve	Terrestrial	Proclamation 2152 s. 1981		1,782.6	
	Mati Protected Landscape	Mati, Davao Oriental	Protected Landscape	Terrestrial	Proclamation 912 s. 2005 / E-NIPAS (RA-11038)		884.5	
	Mt. Apo Natural Park	Kidapawan City, Makilala Magpet, Cotabato; Sta. Cruz, Bansalan, Digos City, Davao del Sur and Davao City	Natural Park	Terrestrial	RA 9237 s. 2004		64,111.5	
	Mt. Hamiguitan Range Wildlife Sanctuary	Mati, San Isidro and Governor Generoso, Davao Oriental	Wildlife Sanctuary	Terrestrial	Republic Act 9303 s. 2004		7,137.4	
	Pujada Bay Protected Landscape/ Seascape	Mati, Davao Oriental	Protected Landscape & Seascape	Marine	Proclamation 431 s. 1994 / E-NIPAS (RA-11038)		691.8	
XII - SOCCSKSARGEN						**5**	**174,470.7**	
	Allah Valley Watershed Forest Reserve*	Isulan, Banga, Surallah, Sultan Kudarat; Kiamba, South Cotabato	Watershed Forest Reserve	Terrestrial	Proc. 2455 s. 1985		98,533.6	For dis-establishment
	Lake Buluan Game Refuge and Bird Sanctuary*	Koronadal, Buluan, Kidapawan, North Cotabato	Game Refuge and Bird	Terrestrial	Proc. 56 s. 1926		8,367.4	
	Libungan Watershed Forest Reserve*	Libungan and Alamada, North Cotabato	Watershed Forest Reserve	Terrestrial	Proc. 563 s. 1990		52,820.6	For dis-establishment
	Mt. Matutum Protected Landscape	Tupi, Tampakan, Palomolok, South Cotabato and Malungon, Sarangani	Protected Landscape	Terrestrial	Proclamation 552 s. 1995 / E-NIPAS (RA-11038)		13,947.0	
	Sarangani Bay Protected Seascape	Maitum, Kiamba, Maasim, Sarangani	Protected Seascape	Marine	Proclamation 756 s. 1996 / E-NIPAS (RA-11038)		802.1	

Continued

Table 1.16 *(Concluded)*
LIST AND STATUS OF PROTECTED AREAS BY REGION
As of 2019

Region	Name of Reserve	Location	Type	Ecosystem	Legal Basis	Total	Area (in hecatres)	Remarks
XIII - Caraga						**12**	**189,596.3**	
	Agusan Marsh Wildlife Sanctuary	San Francisco, Rosario, Bunawan, Veruela Loreto and Lapaz, Agusan del Sur	Wildlife Sanctuary	Terrestrial	Proclamation 913 s. 1996 / E-NIPAS (RA-11038)		40,941.0	
	Alamio, Buyaan, Carac-an, Panikian Rivers and Sipangpang Falls Watershed Forest Reserves	Carrascal, Cantilan and Madrid, Surigao del Sur; Jabonga, Santiago and Cabadbaran, Agusan del Norte	Watershed Forest Reserve	Terrestrial	Proc. 1747 s. 2009		43,345.7	
	Andanan River Watershed Forest Reserve*	Sibagat and Bayugan, Agusan del Sur	Watershed Forest Reserve	Terrestrial	Proc. 734 s. 1991		17,185.6	
	Cabadbaran Watershed*	Cabadbaran, Agusan del Norte	Wilderness Area	Terrestrial	Proc. 834 s. 1991		15,180.3	
	Island of Awasan, Cabilan, Capaquian, Sugbuhan and	Awasan Bau, Surigao del Norte	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		1,296.0	
	Island of Dinagat, Hikdop, Sibate, Hanigad*	Surigao Strait, Surigao del Norte	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		1,796.0	
	Island of Rasa*	Hinatuan Passage, Surigao del Norte	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		36.6	
	Islands of Lamagon, Cepaya and Cobeto*	Panag Bay, Surigao del Norte	Wilderness Area	Terrestrial	Proc. 2151 s. 1981		559.2	
	Mangrove areas along the municipalities of Lavigan and Valencia up to Taon River of the municipality of	Surigao del Sur	Mangrove Swamp Forest Reserve	Terrestrial	Proc. 2152 s. 1981		1,180.3	
	Siargao Protected Landscape/Seascape	Siargao, Surigao del Norte	Protected Landscape & Seascape	Marine	Proclamation 902 s. 1996 / E-NIPAS (RA-11038)		62,801.9	
	Surigao Watershed Forest Reserve*	Sison, Malinao, San Francisco, Surigao del Norte	Watershed Forest Reserve	Terrestrial	Proc. 635 s. 19 90		951.9	
	Tinuy-an Falls Protected Landscape	Borboanan, Bislig, Surigao del Sur	Protected Landscape	Terrestrial	E-NIPAS / E-NIPAS (RA-11038)		4,321.8	
ARMM						**10**	**176,062.1**	
	Lake Butig National Park*	Butig, Lanao del Sur	National Park	Terrestrial	RA 4190 s. 1965		35.3	
	Lake Dapao National Park*	Pualas, Lanao del Sur	National Park	Terrestrial	RA 4190 s. 1965		998.1	
	Lake Lanao Watershed Reservation*	Lanao del Sur	Watershed Reservation	Terrestrial	Proc. 871 s. 1992		171,292.8	
	Mado Hot Spring National Park	Awang, Datu Odin Sinsuat, Maguindanao	National Park	Terrestrial	Proclamation 456 s. 1939		48.7	
	Mt. Dajo National Park*	Patikul and Talisay, Sulu	National Park	Terrestrial	Proc. 261 s. 1938		212.4	
	Pantuwaraya Lake National Park*	Saguiran, Lanao del Sur	National Park	Terrestrial	RA 4190 s. 1965		19.1	
	Rungkunan National Park*	Ramain, Lanao del Sur	National Park	Terrestrial	RA 4190 s. 1965		967.7	
	Sacred Mountain National Park*	Maraui City	National Park	Terrestrial	RA 4190 s. 1965		89.6	
	Salikata National Park*	Lumba Bayambao, Lanao del Sur	National Park	Terrestrial	RA 4190 s. 1965		659.6	
	South Upi Watershed Forest Reserve*	South Upi, Maguindanao	Watershed Forest Reserve	Terrestrial	Proc. 65 s. 1987		1,738.6	

Note: * Initial Component

Source: Biodiversity Management Bureau, DENR

Table 1.17
FOREST COVER OF THE PHILIPPINES BY FOREST TYPE
2010 and 2015
(in hectares)

Region/Province	2010				2015			
	Total	Closed	Open	Mangrove	Total	Closed	Open	Mangrove
PHILIPPINES	**6,839,831.6**	**1,934,047.6**	**4,595,190.9**	**310,593.1**	**7,014,153.8**	**2,028,015.2**	**4,682,751.2**	**303,387.5**
NCR	**2,119.8**	**0.0**	**2,008.0**	**111.8**	**2,106.2**	**0.0**	**2,000.4**	**105.8**
CAR	**777,972.4**	**255,551.6**	**522,420.8**	**0.0**	**807,219.6**	**250,545.0**	**556,674.6**	**0.0**
Abra	146,700.3	43,315.9	103,384.4	0.0	162,930.8	44,797.6	118,133.1	0.0
Apayao	223,121.5	118,982.0	104,139.5	0.0	236,353.5	102,083.7	134,269.8	0.0
Benguet	119,625.6	3,195.8	116,429.8	0.0	109,469.7	3,084.3	106,385.4	0.0
Ifugao	102,397.0	13,691.8	88,705.2	0.0	90,578.2	19,045.2	71,533.0	0.0
Kalinga	98,862.4	48,887.9	49,974.5	0.0	113,879.7	53,225.3	60,654.4	0.0
Mountain Province	87,265.7	27,478.3	59,787.4	0.0	94,007.6	28,308.7	65,698.9	0.0
I - Ilocos Region	**124,703.1**	**18,389.8**	**105,285.7**	**1,027.7**	**147,602.4**	**24,163.0**	**122,061.2**	**1,378.2**
Ilocos Norte	67,849.1	14,266.0	53,583.1	0.0	76,053.1	19,824.8	56,191.9	36.4
Ilocos Sur	32,238.3	77.6	31,949.4	211.3	37,006.5	26.6	36,930.7	49.2
La Union	5,879.8	0.0	5,760.1	119.7	7,922.5	0.0	7,770.6	151.9
Pangasinan	18,735.9	4,046.2	13,993.1	696.7	26,620.3	4,311.6	21,168.0	1,140.7
II - Cagayan Valley	**1,044,871.9**	**485,261.7**	**553,708.2**	**5,902.1**	**1,050,963.4**	**488,033.2**	**557,187.7**	**5,742.6**
Batanes	1,818.8	0.0	1,818.8	0.0	2,484.5	0.0	2,484.5	0.0
Cagayan	342,994.4	206,474.5	131,340.7	5,179.2	348,477.7	207,229.0	136,165.4	5,083.3
Isabela	378,636.9	69,443.9	308,470.1	722.9	391,256.2	90,076.2	300,520.8	659.3
Nueva Vizcaya	193,707.5	122,614.6	71,092.9	0.0	182,229.9	98,228.6	84,001.3	0.0
Quirino	127,714.3	86,728.6	40,985.7	0.0	126,515.0	92,499.4	34,015.7	0.0
III - Central Luzon	**520,704.2**	**225,351.8**	**294,331.1**	**1,021.3**	**536,565.0**	**234,839.2**	**299,826.3**	**1,899.5**
Aurora	218,588.1	132,548.2	85,518.5	521.4	220,295.0	126,883.3	92,933.0	478.7
Bataan	31,617.1	10,618.0	20,791.4	207.7	34,461.2	10,793.0	23,325.7	342.5
Bulacan	58,719.7	35,266.3	23,386.7	66.7	63,188.7	41,653.6	21,098.9	436.2
Nueva Ecija	74,604.4	9,530.3	65,074.1	0.0	76,011.6	14,108.7	61,902.8	0.0
Pampanga	7,464.7	773.1	6,606.6	85.0	7,254.8	649.2	6,516.3	89.3
Tarlac	34,841.7	5,407.0	29,434.7	0.0	32,777.2	6,298.5	26,478.8	0.0
Zambales	94,868.5	31,208.9	63,519.1	140.5	102,576.5	34,452.9	67,570.8	552.8
IVA - CALABARZON	**264,260.5**	**69,558.9**	**175,764.4**	**18,937.2**	**271,512.5**	**107,044.3**	**145,165.1**	**19,303.1**
Batangas	4,256.0	333.6	3,509.5	412.9	9,249.2	134.2	8,434.7	680.3
Cavite	2,539.8	0.0	2,389.4	150.4	4,061.4	0.0	3,886.8	174.6
Laguna	14,604.9	1,233.6	13,371.3	0.0	13,288.4	3,270.7	10,017.6	0.0
Quezon	226,193.2	63,853.0	143,966.3	18,373.9	228,024.4	96,416.8	113,159.4	18,448.2
Rizal	16,666.6	4,138.7	12,528.0	0.0	16,889.1	7,222.6	9,666.5	0.0
MIMAROPA	**917,391.7**	**97,809.6**	**746,286.0**	**73,296.0**	**947,768.9**	**110,161.1**	**769,203.6**	**68,404.2**
Marinduque	15,131.9	0.0	12,255.1	2,876.8	13,904.4	0.0	10,892.7	3,011.7
Occidental Mindoro	104,986.3	1,968.2	101,424.3	1,593.8	118,425.6	8,936.9	107,663.5	1,825.3
Oriental Mindoro	87,066.1	5,301.0	77,815.6	3,949.5	97,227.3	5,906.3	88,232.9	3,088.1
Palawan	693,930.7	86,876.9	543,261.6	63,792.3	694,459.0	91,541.3	543,496.5	59,421.2
Romblon	16,276.6	3,663.6	11,529.4	1,083.6	23,752.6	3,776.6	18,918.0	1,058.0
V - Bicol Region	**202,444.5**	**39,645.8**	**137,825.9**	**24,972.9**	**199,378.7**	**41,148.6**	**133,825.6**	**24,404.5**
Albay	35,416.5	11,196.3	23,128.3	1,091.9	30,795.4	9,143.9	20,326.1	1,325.4
Camarines Norte	28,104.0	9,465.8	15,079.2	3,559.1	28,877.4	9,606.9	14,674.7	4,595.9
Camarines Sur	61,332.0	8,220.6	45,847.4	7,264.0	62,818.2	11,556.0	43,913.4	7,348.8
Catanduanes	45,007.2	10,763.1	32,248.9	1,995.2	46,445.0	7,733.2	36,897.2	1,814.7
Masbate	6,777.7	0.0	139.8	6,637.9	5,529.0	0.0	91.9	5,437.1
Sorsogon	25,807.0	0.0	21,382.3	4,424.8	24,913.7	3,108.7	17,922.3	3,882.6
VI - Western Visayas	**187,319.4**	**67,167.4**	**110,146.2**	**10,005.9**	**203,789.3**	**62,024.6**	**127,365.1**	**14,399.6**
Aklan	36,398.5	12,598.5	23,098.1	701.8	37,989.6	9,849.4	26,556.3	1,583.9
Antique	52,395.2	20,380.5	31,222.6	792.1	61,535.1	20,418.9	40,210.9	905.3
Capiz	22,991.8	14,727.9	6,864.8	1,399.0	27,610.7	11,689.9	12,552.2	3,368.6
Guimaras	775.9	0.0	0.0	775.9	817.3	0.0	0.0	817.3
Iloilo	25,667.5	2,954.5	21,397.3	1,315.7	23,163.5	1,385.4	19,550.3	2,227.7
Negros Occidental	49,090.6	16,506.0	27,563.3	5,021.3	52,673.2	18,681.0	28,495.5	5,496.7

Continued

Table 1.17 *(Concluded)*
FOREST COVER OF THE PHILIPPINES BY FOREST TYPE
2010 and 2015
(in hectares)

Region/Province	2010				2015			
	Total	Closed	Open	Mangrove	Total	Closed	Open	Mangrove
VII - Central Visayas	**62,033.4**	**11,463.5**	**35,797.7**	**14,772.2**	**79,487.1**	**4,226.1**	**56,223.8**	**19,037.2**
Bohol	20,857.2	0.0	10,267.0	10,590.2	32,826.1	0.0	19,884.0	12,942.1
Cebu	14,407.0	8,722.5	2,650.2	3,034.3	8,013.3	0.0	3,560.2	4,453.1
Negros Oriental	25,866.6	2,741.0	22,074.2	1,051.3	37,707.8	4,226.1	31,971.7	1,510.0
Siquijor	902.6	0.0	806.3	96.4	939.9	0.0	807.9	132.0
VIII - Eastern Visayas	**514,819.7**	**45,947.5**	**427,179.4**	**41,692.8**	**511,961.8**	**42,667.3**	**435,242.9**	**34,051.6**
Biliran	8,668.7	0.0	8,383.0	285.7	9,448.3	0.0	9,048.9	399.4
Eastern Samar	186,200.7	21,827.7	156,538.7	7,834.3	182,738.7	20,432.9	154,245.9	8,059.8
Leyte	78,220.7	17,169.5	52,772.6	8,278.6	74,921.5	14,179.2	54,394.2	6,348.2
Northern Samar	46,320.3	0.0	35,494.3	10,826.0	48,510.7	0.0	39,372.2	9,138.5
Southern Leyte	29,629.6	3,201.9	25,839.1	588.6	29,996.9	4,257.1	25,302.3	437.5
Western Samar	165,779.6	3,748.3	148,151.7	13,879.6	166,345.7	3,798.1	152,879.5	9,668.2
IX - Zamboanga Peninsul	**174,391.4**	**27,643.2**	**121,058.1**	**25,690.1**	**170,970.3**	**28,775.2**	**116,920.0**	**25,275.2**
Zamboanga Del Norte	82,756.9	9,031.7	73,133.5	591.7	82,251.9	8,882.3	72,370.2	999.4
Zamboanga Del Sur	19,308.5	794.5	12,409.2	6,104.8	47,061.7	16,131.7	18,810.8	12,119.2
Zamboanga Sibugay[1/]	72,326.0	17,817.0	35,515.4	18,993.6	39,322.9	2,669.5	25,249.7	11,403.7
Isabela City		*included in Basilan*			2,333.9	1,091.7	489.2	752.9
X - Northern Mindanao	**378,649.5**	**173,962.1**	**198,308.6**	**6,378.9**	**382,356.7**	**179,007.5**	**198,132.1**	**5,217.2**
Bukidnon	202,322.3	125,360.8	76,961.5	0.0	202,448.5	126,626.3	75,822.2	0.0
Camiguin	5,718.0	3,993.8	1,705.1	19.0	5,530.4	3,485.6	2,025.8	18.9
Lanao Del Norte	67,175.7	11,934.1	52,913.3	2,328.2	73,278.2	15,128.8	55,710.8	2,438.6
Misamis Occidental	43,743.7	23,858.9	16,145.9	3,739.0	40,471.8	23,273.7	14,725.5	2,472.5
Misamis Oriental	59,689.8	8,814.4	50,582.8	292.6	60,627.7	10,493.0	49,847.7	287.1
XI - Davao Region	**428,917.8**	**160,083.4**	**265,955.5**	**2,878.9**	**400,613.3**	**151,822.0**	**245,290.0**	**3,501.3**
Compostela Valley	144,811.4	54,106.1	90,496.4	208.9	123,524.8	50,886.4	72,467.5	170.8
Davao Del Norte	53,188.6	10,148.8	42,370.0	669.9	53,635.6	11,421.7	41,650.8	563.1
Davao Del Sur	68,593.0	17,570.2	50,890.9	131.9	32,501.8	6,037.3	26,243.5	221.0
Davao Occidental					34,455.3	14,518.4	19,709.8	227.1
Davao Oriental	162,324.8	78,258.3	82,198.3	1,868.3	156,495.8	68,958.2	85,218.4	2,319.3
XII - SOCCSKSARGEN	**249,049.8**	**54,247.2**	**193,201.7**	**1,600.9**	**277,890.7**	**93,152.7**	**182,889.1**	**1,848.9**
North Cotabato[2/]	39,947.5	7,896.2	31,381.5	669.8	46,156.6	18,417.5	27,080.8	658.3
Sarangani	39,960.0	1,775.7	38,037.2	147.1	53,825.5	14,995.1	38,588.3	242.1
South Cotabato	64,327.6	26,464.8	37,838.5	24.3	74,942.9	37,978.0	36,932.6	32.2
Sultan Kudarat	104,814.7	18,110.5	85,944.5	759.7	102,965.7	21,762.1	80,287.4	916.3
XIII - Caraga Region	**684,156.8**	**99,811.7**	**558,447.3**	**25,897.8**	**724,772.4**	**125,937.0**	**571,785.6**	**27,049.7**
Agusan Del Norte	51,926.6	2,217.5	48,477.7	1,231.5	73,580.5	3,469.0	68,889.5	1,222.0
Agusan Del Sur	342,736.4	57,207.7	285,528.7	0.0	356,655.5	47,452.9	309,202.6	0.0
Dinagat Islands	27,419.0	5,640.9	19,417.6	2,360.5	29,378.0	6,373.2	20,774.8	2,230.0
Surigao Del Norte	35,270.0	7,139.4	14,896.2	13,234.4	36,222.1	7,931.5	14,377.2	13,913.5
Surigao Del Sur	226,804.8	27,606.3	190,127.0	9,071.5	228,936.2	60,710.5	158,541.5	9,684.3
ARMM	**306,025.6**	**102,152.6**	**147,466.4**	**56,406.6**	**299,195.4**	**84,468.3**	**162,958.1**	**51,769.2**
Basilan	24,416.4	13,705.3	1,003.4	9,707.7	21,050.8	9,754.1	2,340.8	8,955.9
Lanao Del Sur	150,887.9	80,245.0	70,178.8	464.1	153,390.0	63,269.7	89,658.8	461.4
Maguindanao	52,350.5	8,202.4	43,087.3	1,060.8	54,137.8	11,444.5	41,184.0	1,509.2
Sulu	30,839.4	0.0	756.7	30,082.8	28,767.0	0.0	2,209.0	26,558.0
Tawi-Tawi	47,531.4	0.0	32,440.2	15,091.2	41,850.1	0.0	27,565.4	14,284.7

Notes:

[1/] Including Zamboanga City

[2/] Including Cotabato City

Details may not add up to total due to rounding.

Source: Forest Management Bureau, DENR

Table 1.18
FOREST DISTRUBANCE BY CAUSE
2010 to 2019

Cause	2010				2011			
	Extent of Damage (ha)			Estimated Value (Peso)	Extent of Damage (ha)			Estimated Value (Peso)
	Total	Natural	Plantation		Total	Natural	Plantation	
Fire	1,561.0	…	1,561.0	12,458,491.0	…	…	…	…
Incendiarism	…	…	…	…	…	…	…	…
Hunting (throwing cigarette butts)	…	…	…	…	…	…	…	…
Forestfire/Grassfire/Fire	…	…	…	…	…	…	…	…
Kaingin/Illegal Entry	…	…	…	…	…	…	…	…
Illegal Cutting	…	…	…	…	…	…	…	…
Others/Unknown	…	…	…	…	…	…	…	…
TOTAL	1,561.0		1,561.0	12,458,491.0				

Continued

Table 1.18 ***(Continued)***
FOREST DISTRUBANCE BY CAUSE
2010 to 2019

Cause	2012				2013			
	Extent of Damage (ha)			Estimated Value (Peso)	Extent of Damage (ha)			Estimated Value (Peso)
	Total	Natural	Plantation		Total	Natural	Plantation	
Fire	5,822.0	46.0	5,776.0	75,650,971.0	1,015.7	…	1,015.7	4,915,940.5
Incendiarism	…	…	…	…	…	…	…	…
Hunting (throwing cigarette butts)	…	…	…	…	…	…	…	…
Forestfire/Grassfire/Fire	…	…	…	…	…	…	…	…
Kaingin/Illegal Entry	…	…	…	…	…	…	…	…
Illegal Cutting	…	…	…	…	…	…	…	…
Others/Unknown	…	…	…	…	…	…	…	…
TOTAL	5,822.0	46.0	5,776.0	75,650,971.0	1,015.7	…	1,015.7	4,915,940.5

Continued

Table 1.18 ***(Continued)***
FOREST DISTRUBANCE BY CAUSE
2010 to 2019

Cause	2014			
	Extent of Damage (ha)			Estimated Value (Peso)
	Total	Natural	Plantation	
Fire	794.7	…	794.7	512,000.0
Incendiarism	…	…	…	…
Hunting (throwing cigarette butts)	…	…	…	…
Forestfire/Grassfire/Fire	…	…	…	…
Kaingin/Illegal Entry	…	…	…	…
Illegal Cutting	…	…	…	…
Others/Unknown	…	…	…	…
TOTAL	794.7	…	794.7	512,000.0

Continued

Table 1.18 ***(Continued)***
FOREST DISTRUBANCE BY CAUSE
2010 to 2019

Cause	2015				Estimated Value (Peso)
	Extent of Damage (ha)				
	Total	Natural	Grassland	Plantation	
Hunting (Honey collection)	801.9	20.1	83.3	698.5	5,701,540.8
Smoking	220.3	2.9	0.0	217.5	1,883,042.9
Incendiarism	1,371.9	34.9	0.0	1,336.9	12,809,732.7
Kaingin/Slash-and-Burn/Illegal Entry	1,727.3	135.8	0.0	1,591.5	16,633,423.6
Forest Fire/Grass Fire/Wildfire	2,518.0	0.0	0.0	2,518.0	25,266,236.1
Long Dry Spell	1,356.1	0.0	0.0	1,356.1	15,462,803.0
Unknown	7,269.9	1,378.9	0.0	5,891.0	31,737,832.9
Others (torch, children, pasture, outdoor cooking)	436.6	5.5	0.0	431.1	2,292,352.3
TOTAL	15,702.0	1,578.1	83.3	14,040.6	111,786,964.3

Continued

Table 1.18 ***(Continued)***
FOREST DISTRUBANCE BY CAUSE
2010 to 2019

Cause	2016*			Estimated Value (Peso)	2017			Estimated Value (Peso)
	Extent of Damage (ha)				Extent of Damage (ha)			
	Total	Natural	Plantation		Total	Natural	Plantation	
Fire	421.5	…	421.5	…	4,345.0	744.0**	3,601.0**	45,544,432.0**
Incendiarism	…	…	…	…	…	…	…	…
Hunting (throwing cigarette butts)	…	…	…	…	…	…	…	…
Forestfire/Grassfire/Fire	…	…	…	…	…	…	…	…
Kaingin/Illegal Entry	12.0		12.0		50.0	…	50.0*	…
Illegal Cutting	…	…	…	…	…	…	…	…
Others/Unknown	1,454.7		1,454.7	…	1,955.0	…	1,955.0*	…
TOTAL	1,888.2	...	1,888.2	...	6,350.0	744.0	5,606.0	45,544,432.0

Continued

Table 1.18 *(Concluded)*
FOREST DISTRUBANCE BY CAUSE
2010 to 2019

Cause	2018**			Estimated Value (Peso)	2019**			Estimated Value (Peso)
	Extent of Damage (ha)				Extent of Damage (ha)			
	Total	Natural	Plantation		Total	Natural	Plantation	
Fire	18,181.0	183.0	17,998.0	290,725,152.0	22,027.0	1,719.0	20,308.0	381,473,443.0
Incendiarism	…	…	…	…	…	…	…	…
Hunting (throwing cigarette butts)	…	…	…	…	…	…	…	…
Forestfire/Grassfire/Fire	…	…	…	…	…	…	…	…
Kaingin/Illegal Entry	…	…	…		…	…	…	…
Illegal Cutting	…	…	…	…	…	…	…	…
Others/Unknown	…	…	…	…	…	…	…	…
TOTAL	18,181.0	183.0	17,998.0	290,725,152.0	22,027.0	1,719.0	20,308.0	381,473,443.0

Notes:
… no data
*Data from 2019 Philippine Statistical Yearbook (PSY)
**Data from Forest Management Bureau (FMB)

Sources: Compendium of ENR Statistics 2015, DENR and Forest Mangement Bureau
Retrieved from: https://oldsite.denr.gov.ph/e-library/compendium-enr-statistic-2015.html

Table 1.19
CONCENTRATION LEVELS OF PARTICULATE MATTER 10 (PM10) BY REGION, BY MONITORING STATION
2012 to 2019
(micrograms per normal cubic meter)

Region	Station	2012	2013	2014	2015	2016	2017	2018	2019
NCR									
	National Printing Office Cmpd. EDSA Diliman, Quezon City	61	73	89	67	69	70	56	44
	Marikina Sports Complex Cmpd.Sumulong Highway Brgy. Sto Nino, Marikina City	67	62	47	61	63	52	52	51
	DOH Cmpd. Rizal Avenue Sta Cruz, Manila	51	69	...	60	59	62	62	57
	MMDA Building Cmpd. Orense St. cor. EDSA Guadalupe, Makati City	54	67	52	42	40	36	43	36
	Pasay Rotonda Station EDSA cor. Taft Avenue Malibay, Pasay City**	110	105	…	…	…	…	…	*
	Caloocan **	151	150	…	…	…	…	…	…
	National Bilibid Prison, Muntinlupa	…	25	36	25	24	24	23	23
	De La Salle University, Taft, Manila	…	29	27	31	31*	…	…	…
	Commonwealth Ave., Quezon City **	…	…	57	…	…	…	…	…
	DPWH, Timog EDSA, Quezon City	…	44*	66	46	51*	…	…	…
	Pamantasan ng Lungsod ng Valenzuela, Valenzuela City	…	…	33	58*	44	40*	…	…
	ATENEO Manila Observatory, Ateneo University **	38	50	…	…	…	…	…	…
	Valenzuela - Radio ng Bayan**	63	74	53	…	…	…	…	…
	NAMRIA, Taguig City**	43	54	…	…	…	…	…	…
	Andrews Avenue, Pasay City	…	…	…	78*	…	66*	75*	*
	Navotas City Hall, M. Naval St. Navotas City	…	…	…	72	66	94	54*	*
	Rohm and Hass Property, Las Piñas City	…	…	…	35	27	41	27*	*
	Polytechnic Institute, City of Malabon	…	…	…	45		*	41*	*
	North Caloocan City Hall – Zapote Street,	…	…	…	54	*	*	56	*
	Don Bosco Barangay Hall, Better Living	…	…	…	52	33	*	45	*
	Makati Park, Dr. Jose P. Rizal Extension, East	…	…	…	52	…	…	…	…
	Pateros Elementary School, Pateros City	…	…	…	52	*	66	55	61
	Pinaglabanan Shrine, San Juan City	…	…	…	18*	48	46	33	*
	Bureau of Corrections, New Bilibid Prison	…	…	…	31	24	*	…	*
	Technological University of the Philippines-	…	…	…	66	45	*	53*	*
	Hardin ng Pagasa, Mandaluyong City Hall,	…	…	…	63*	…	49	47*	*
	Brgy. Oranbo, Pasig	…	…	…	69*	50	42	40*	*
	Parking Area of Marikina Justice Hall, Marikina	…	…	…	56	55	51	45*	*
CAR									
	Burnham park, Baguio City	…	…	…	35*	*	40	27	20
	Plaza Garden Park, Central Business District,	72	69	…	…	…	79	66	59*
	Benguet State University (BSU) Forestry	…	…	…	…	…	…	…	8*
	Philippine Economic Zone (PEZA), Loakan	…	…	…	…	…	…	…	10*
	Provincial Capitol Ground, KM. 6, La Trinidad,	…	…	…	…	…	…	…	82
I - Ilocos Region									
	City Plaza San Fernando City, La Union	…	…	81	73*	*	*	…	…
	City Plaza San Carlos City, Pangasinan	…	…	83	75*	72	46	…	…
	Dagupan City, Province of Pangasinan,	46	47	59	68	…	…	…	…
	Plaze Burgos, Ilocos Sur, Vigan City	…	…	…	…	…	51	63	87
	Urdaneta, Pangasinan	…	40	…	47+	17*	20	23	22
	Mariano Marcos State University, Batac, Ilocos	…	…	…	24+	23*	24	22	19
	Vicinity of PNP Camp Florendo Brgy. Parian,	…	…	…	…	28	12	3	2
II - Cagayan Valley									
	St. Paul University Philippines, Mabini Street,	…	…	29	…	…	…	27*	...
	City Hall Grounds, Santiago City				---			11*	15*
	EMB R2, Regional Government Center, Carig				---				43*

Continued

Table 1.19 *(Continued)*
CONCENTRATION LEVELS OF PARTICULATE MATTER 10 (PM10) BY REGION, BY MONITORING STATION
2012 to 2019
(micrograms per normal cubic meter)

Region	Station	2012	2013	2014	2015	2016	2017	2018	2019
III - Central Luzon									
	Meycauayan City Hall, Meycauayan, Bulacan	…	…	…	45	42	38*	43	49
	Heroes hall, San Fernando, City of San	…	…	…	29	10	*	11*	18
	BJMP Comp., Calero St. Brgy, Ibayo, Balanga	…	…	…	…	8	36*	34*	*
	Remy Field, SBMA, Zambales	…	…	…	…	7	*	--	29
IVA - CALABARZON									
	City of Biñan, San Pablo St., Biñan City,	…	…	…	22*	30	*	14	17
	Cavite State University, Indang Cavite**	…	32	…	…	…	…	…	…
	Brgy. Bolbok, Batangas City **	…	29	…	…	…	…	…	…
	Ynares Center Compound, Antipolo City	…	…	…	…	…	…	22	22*
	(Near) City Hall of Santa Rosa, City	…	…	…	…	…	30	34	5*
MIMAROPA									
	Municipal Hall, Municipality of Baco, Oriental	41	…	…	60*	...	*	6*	...
	Provincial Capitol Complex, Oriental Mindoro,				---			15	22
	Naujan, Oriental Mindoro				---			14	21
	Palawan State University, Tiniguiban Heights,	…	…	…	26	20	22*	*	34
V - Bicol Region									
	EMB Region 5 Office, Regional Center Office,	…	…	…	*	21	26	35	26*
	Barraida, Legaspi City	…	32	39	38	36	39	36	35
	Naga City PENRO, Naga City	…	…	…	29	25	26	26	24*
	San Nicholas, Iriga City	…	…	…	…	…	…	…	35
	Sorsogon City Hall Compound, Diversion Road,	…	…	…	…	…	…	…	31*
	Elevated Plaze, Daet, Camarines Norte	…	…	…	…	…	…	…	37*
	Masbate Terminal Road, Masbate City	…	…	…	…	…	…	…	9*
VI - Western Visayas									
	University of San Augustin Campus, Iloilo City	…	…	…	43*	28*	7	22*	...
	Leganes Municipal Grounds, Poblacion,	…	…	…	51	…	…	…	…
	Oton National Elementary School, Oton, Iloilo	…	…	…	…	38	57	81	42
	Central Philippine University campus, Jaro,	21	…	19	…	…	…	…	…
	City Hall of Bacolod, New Government Center,	…	…	…	28	*	*	58	71*
VII - Central Visayas									
	Mabolo, Cebu City**	77	73	58	52	50	…	…	…
	Cebu Business Park, Cebu City**	36	33	20	34	26	…	…	…
	Consolacion Municipal Hall, Consolacion, Cebu	…	…	…	…	…	49	47	55*
	Cordova Municipal Hall, Cordova, Cebu	…	…	…	…	…	41	39	40*
VIII - Eastern Visayas									
	Robinsons Place, Tacloban	…	…	…	64+	61	54	45	47
IX - Zamboanga Peninsula									
	Zamboanga City Medical Center. Compound,	…	52	52	32	57	59	52	29*
	EMB-9 Compound, Lantawan, Pasonanca,	…	34	41	45	39	38	39	14*
	Philippine International Development	…	44	52	60	51	71	47	40*
	Western Mindanao State University, Normal	…	…	…	11*	12	10	21*	28*
	Ateneo De Zamboanga University, La Purisima	…	…	…	20	17	5	*	13
X - Northern Mindanao									
	Iligan Medical Center College, Palao, Iligan City	…	…	…	49	50	*	…	57*
XI - Davao Region									
	Approx. 70m from Amparo St. And 300m from	…	19	16*	35*	…	49	48	25
	Brgy. 12-B, Mapa St. Corner J.P Laurel Ave.,	…	21	21*	45*	…	56	42	28
	Approx. 800m DMPI main gate, Davao	…	14	15*	34	33	36	31	19
	Approximately 50m from Agton St. Open Park	…	27	30*	57	57	57	63	41
	Calinan National High School, Quirino Avenue,	…	…	…	36	61*	57	34	34
	Davao International Airport, Catitipan, Buhangin	…	…	…	73+	54*	40	46*	35

Continued

Table 1.19 *(Concluded)*
CONCENTRATION LEVELS OF PARTICULATE MATTER 10 (PM10) BY REGION, BY MONITORING STATION
2012 to 2019
(micrograms per normal cubic meter)

Region	Station	2012	2013	2014	2015	2016	2017	2018	2019
XII - SOCCSKSARGEN									
	City of Koronadal, General Santos Drive,	…	…	…	49	39	31	42*	19*
	Pedro Acharon Sports Complex, Brgy.	…	…	…	35	38	19	…	38*
	Municipal Hall, Tupi, South Cotabato	54	50	56	…	25	24	…	30
	City Hall of Koronadal City**	57	51	64	…	…	…	…	19*
	Municipal Hall of Midsayap**	51	63	75	…	…	…	…	…
XIII - Caraga									
	Central Butuan, District 1 Ground, Butuan City**	…	…	…	58	…	…	…	…
	Cabadbaran City Hall, Cabadbaran City	…	…	…	…	…	22	30	40*
	Petron Nasipit Depot, Nasipit Agusan Del Norte,	…	…	…	55	17	17	*	44*
	Caraga State University, Ampayon, Butuan City	…	…	…	37*	*	19	6	...
	Butuan City Local Government Unit (Compound	…	…	…	35	29	28	28	32

Notes:
* < 75% data captured
+ Arithmetic Mean
.. No Data
National Ambient Air Quality Guideline Value (NAAQGV): Annual - 60 µg/Ncm

Source: Environment Management Bureau, DENR

Table 1.20
CONCENTRATION LEVELS OF PARTICULATE MATTER 2.5 (PM2.5) BY REGION, BY MONITORING STATION
2015 to 2019
(micrograms per normal cubic meter)

Region	Station	2015	2016	2017	2018	2019
NCR						
	Pamantasan ng Lungsod ng Valenzuela, Valenzuela City	27*	20	30	...	...
	De La Salle University, 2401 Taft Ave., Manila	17	29	29	...	...
	DPWH, Timog EDSA, Nia Road, Quezon City	26	46	67	...	...
	Andrews Avenue, Pasay City	31*	22	*	...	...
	Navotas City Hall, M. Naval St. Navotas City	43	45	46	...	...
	Rohm and Hass Property, Las Piñas City	29	19	*	...	...
	Polytechnic Institute, City of Malabon	34	*	...	...	...
	North Caloocan City Hall – Zapote Street, Barangay 177, Caloocan City	32	...	*	...	...
	Don Bosco Barangay Hall, Better Living Subdivision, Paranaque City	16	20	*	...	...
	Makati Park, Dr. Jose P. Rizal Extension, East Rembo, Makati City	26*	*	...	...	...
	Pateros Elementary School, Pateros City	32	*	*	...	...
	Pinaglabanan Shrine, San Juan City	7*	*	22	24	27
	Bureau of Corrections, New Bilibid Prison Reservation,	17	15	*	...	...
	Technological University of the Philippines-Taguig	32*	*	*	...	...
	Hardin ng Pagasa, Mandaluyong City Hall, Plainview,	31*	*	*	...	...
	Brgy. Oranbo, Pasig	50*	34	24	22	27
	Parking Area of Marikina Justice Hall, Marikina City	33*	31	*	...	...
	UE-Caloocan Campus, Samson Road, Caloocan City	---		*	14	...
CAR						
	Burnham park, Baguio City	23*	*	15	16	14
	Plaza Garden, Central Business District, Lower Session Roa		---			53
I - Ilocos Region						
	Mariano Marcos State University, Batac, Ilocos Norte	17+	16	21	*16	...
	Barangay. Anonas, Urdaneta City, Pangasinan	42*	2*	12	14	15
	Brgy., Parian, San Fernando City, La Union	---	12	8	2	...
	Dagupan City, Province of Pangasinan, western Central	---	31	38*	37	63
	City Plaza, San Carlos City, Pangasinan		---		49	67
III - Central Luzon						
	Meycauayan City Hall, Meycauayan, Bulacan	28	26*	...	28	*
	Heroes hall, San Fernando, City of San Fernando,	24	6	*	15*	*14
	BJMP Comp. Calero St. Brgy. Ibayo, Balanga City, Bataan	...	5	22*	37*	*
	Road, Subic Free port zone	...	11*	5*	...	20
IVA - CALABARZON						
	City of Biñan, Biñan, Laguna	11	17	*	9	15
	(Near) City Hall of Santa Rosa, City Government Center,	...	19*	30	27	*
	Ynares Center Compound, Antipolo City	...	...	...	17	18
MIMAROPA						
	Palawan State University, Tiniguiban Heights, Puerto	14	*	...	*	24
V - Bicol Region						
	Naga City PENRO, Naga City	18	14	17	16	*
	EMB Region 5 Office, Regional Center Office, Rawis,	---	10	13	9	10
VI - Western Visayas						
	City Hall of Bacolod, New Government Center, Bacolod	14	*	*	40	*
	University of San Augustin Campus, Iloilo City**	26*	21	5	*9	...
IX - Zamboanga Peninsula						
	Western Mindanao State University, Normal Road,	4*	11.0	10	*14	15
	Ateneo De Zamboanga University, La Purisima Street,	17	15	5	*5	11

Continued

Table 1.20 *(Concluded)*
CONCENTRATION LEVELS OF PARTICULATE MATTER 2.5 (PM2.5) BY REGION, BY MONITORING STATION
2015 to 2019
(micrograms per normal cubic meter)

Region	Station	2015	2016	2017	2018	2019
X - Northern Mindanao						
	Iligan Medical Center College, Palao, Iligan City	21	*26	*21	...	23
	DENR Compound, Brgy. Macabalan, Cagayan De Oro	---		*	24	22
	Balacanas Elementary School, Balacanas, Villanueva,	---		*	*17	16
	El Salvador City School, Zone 2, Tuburan Brgy. Poblacion,	---		*	*17	...
XI - Davao Region						
	Calinan National High School, Quirino Avenue, Davao City	21	*20	*21	*21	27
	Davao International Airport, Catitipan, Buhangin District,	33+	*32	23	*23	16
XII - SOCCSKSARGEN						
	City of Koronadal, General Santos Drive, Koronadal City	31	19	18	...	19
	Pedro Acharon Sports Complex, Brgy. Calumpang,	17	17	16	...	22
XIII - Caraga						
	Caraga State University, Ampayon, Butuan City	20*	*	16	3	...
	Butuan City Local Government Unit (Compound of City	19	15	10	15	17

Notes:
* Less than 75% data captured
+ Arithmetic Mean
** Manual Monitoring Station
--- Monitoring Station not yet established
… no data

Source: Environment Management Bureau, DENR

Table 1.21
CONCENTRATION LEVELS OF OZONE (O_3) BY REGION, BY MONITORING STATION
2013 to 2019
(micrograms per normal cubic meter)

Station	2013	2014	2015	2016	2017	2018	2019
Commonwealth Ave., Quezon City**	29*	39*	…	…	…	…	…
DLSU, 2401 Taft Ave., Manila	77	52	96	92	…	…	…
DPWH, Timog EDSA, Nia Road, Quezon City	23*	40	12*	13	19	…	…
Pamantasan ng Lungsod ng Valenzuela, Valenzuela City	38	98	39*	57	24	…	…
Barangay. Anonas, Urdaneta City, Pangasinan	…	…	…	24	25	18	15
Brgy., Parian, San Fernando City, La Union	…	…	…	50	42	47	28
Heroes hall, San Fernando, City of San Fernando, Pampanga	…	…	…	…	94*	51*	62*
City Government of Balanga, Balangay City Hall, Poblacion, Balanga City, Bataan	…	…	…	55	50*	45	73*
Subic Bay Metropolitain Authority Bldg., 229, Waterfront Road, Subic Free port zone	…	…	…	36	39	45	45*
City of Biñan, Biñan, Laguna	…	…	…	21	…	…	…
City of Santa Rosa, 2nd Flr City Government Center, J.P. Rizal Blvd. Santa Rosa, Laguna	…	…	…	…	57	114	…
EMB Region 5 Office, Regional Center Office, Rawis, Legaspi City	…	…	…	…	34	24	48*
Ateneo De Zamboanga University, La Purisima Street, Zamboanga City	…	…	…	25	6	13*	…
Davao International Airport, Catitipan, Buhangin District, Davao City	…	…	…	85	…	67*	…
Caraga State University, Ampayon, Butuan City	…	…	…	…	48	…	…

Notes:
Microgram (µg)
Normal Cubic Meter (Ncm)
Guideline values: 150 ug/Ncm for 24Hour averaging time
* Less than 75% data captured
** No longer monitoring O3
… no data

Source: Environmental Management Bureau, DENR

Table 1.22
CONCENTRATION LEVELS OF CARBON MONOXIDE (CO) BY REGION, BY MONITORING STATION
2010 to 2019
(parts per million)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
De La Salle University	…	…	…	…	…	0.15*	0.23*	…	…	…
Department of Public Works and Highways	…	…	…	…	4*	0.93*	...	…	…	…
Pamantasan ng Lungsod ng Valenzuela	…	…	…	…	3	2.31*	0.62*	…	…	…
Plaza Garden, Lower Session, Baguio City**	…	…	…	…	…	…	…	…	…	…
Barangay. Anonas, Urdaneta City, Pangasinan	…	…	…	…	…	…	0.21	0.22	0.10	0.004*
Brgy., Parian, San Fernando City, La Union	…	…	…	…	…	…	3	0.349	0.42	1.94*
Heroes hall, San Fernando, City of San Fernando, Pampanga	…	…	…	…	…	…	...	0.04	0.03*	…
City Government of Balanga, Balangay City Hall, Poblacion, Balanga City, Bataan	…	…	…	…	…	…	1.5	0.28*	0.28*	0.346
Subic Bay Metropolitain Authority Bldg., 229, Waterfront Road, Subic Free port zone	…	…	…	…	…	…	0.9	0.62	0.58	1.05
City of Biñan, Biñan, Laguna	…	…	…	…	…	…	0.32	*	…	…
City of Santa Rosa, 2nd Flr City Government Center, J.P. Rizal Blvd. Santa Rosa, Laguna	…	…	…	…	…	…	...	3.93	3.36	…
EMB Region 5 Office, Regional Center Office, Rawis, Legaspi City	…	…	…	…	…	…	...	*	3.00	3.502*
Ateneo De Zamboanga University, La Purisima Street, Zamboanga City	…	…	…	…	…	…	0.37	0.15	0.13*	…
Davao International Airport, Catitipan, Buhangin District, Davao	…	…	…	…	…	…	0.46	0.836	1.78*	1.836
Pedro Acharon Sports Complex, Brgy. Calumpang, General Santos City	…	…	…	…	…	…	*	*	…	…
Caraga State University, Ampayon, Butuan City	…	…	…	…	*	*	*	1.84*	…	…

Notes:
Parts Per Million (ppm)
Guideline Values: 30 ppm for 1 hour averaging time ; 9 ppm for 8 hour averaging time.
*Less than 75% data captured
**No longer monitoring CO
… no data (due to equipment breakdown)

Source: Environmental Management Bureau, DENR

Table 1.23
CONCENTRATION LEVELS OF SULFUR DIOXIDE (SO_2) BY REGION, BY MONITORING STATION
2013 to 2019
(micrograms per normal cubic meter)

Station	2013	2014	2015	2016	2017	2018	2019
Commonwealth Ave., Quezon City	14	27	…	…	…	…	…
DLSU, 2401 Taft Ave., Manila	14	12	13	14	…	…	…
DPWH, Timog EDSA, Nia Road, Quezon City	11*	27	7*	11	6	…	…
Pamantasan ng Lungsod ng Valenzuela, Valenzuela City	38	86	27*	28	17	…	…
Barangay. Anonas, Urdaneta City, Pangasinan	…	…	…	5	8	13	12
Brgy., Parian, San Fernando City, La Union	…	…	…	3	…	5	3
Heroes hall, San Fernando, City of San Fernando, Pampanga	…	…	…	…	12*	8*	15
City Government of Balanga, Balangay City Hall, Poblacion, Balanga City, Bataan	…	…	…	7	5*	5*	14
Subic Bay Metropolitain Authority Bldg., 229, Waterfront Road, Subic Free port zone	…	…	…	5	3	4	7*
City of Biñan, Biñan, Laguna	…	…	…	5	*	…	25
City of Santa Rosa, 2nd Flr City Government Center, J.P. Rizal Blvd. Santa Rosa, Laguna	…	…	…	…	11	7	6
EMB Region 5 Office, Regional Center Office, Rawis, Legaspi City	…	…	…	…	4	10	11*
Ateneo De Zamboanga University, La Purisima Street, Zamboanga City	…	…	…	3	4	6*	…
Davao International Airport, Catitipan, Buhangin District, Davao City	…	…	…	5	21	…	10
Pedro Acharon Sports Complex, Brgy. Calumpang, General Santos City	…	…	…	11	8	…	…
Caraga State University, Ampayon, Butuan City	…	*	*	*	4	…	…

Notes:
Microgram (μg)
Normal Cubic Meter (Ncm)
Guideline Values: 180 ug/Ncm for 24hour averaging time.
* Less than 75% data captured
** No longer monitoring SO2
… no data

Source: Environmental Management Bureau, DENR

Table 1.24
CONCENTRATION LEVELS OF NITROGEN DIOXIDE (NO_2) BY REGION, BY MONITORING STATION
2013 to 2019
(micrograms per normal cubic meter)

Station	2013	2014	2015	2016	2017	2018	2019
Commonwealth Ave., Quezon City**	80	128	…	…	…	…	…
DLSU, 2401 Taft Ave., Manila	52	49	52	57	…	…	…
DPWH, Timog EDSA, Nia Road, Quezon City	42*	106	39*	23	27	…	…
Pamantasan ng Lungsod ng Valenzuela, Valenzuela City	28	63	66*	20	19	…	…
Barangay. Anonas, Urdaneta City, Pangasinan	…	…	…	16	14	8	28
Brgy., Parian, San Fernando City, La Union	…	…	…	10	17	15	17
Heroes hall, San Fernando, City of San Fernando, Pampanga	…	…	…	…	23*	18	29*
City Government of Balanga, Balangay City Hall, Poblacion, Balanga City, Bataan	…	…	…	26	*20	*20	20*
Subic Bay Metropolitain Authority Bldg., 229, Waterfront Road, Subic Free port zone	…	…	…	16	23	24	27
City of Biñan, Biñan, Laguna	…	…	…	15	…	…	*
City of Santa Rosa, 2nd Flr City Government Center, J.P. Rizal Blvd. Santa Rosa, Laguna	…	…	…	*	27	21	36
EMB Region 5 Office, Regional Center Office, Rawis, Legaspi City	…	…	…	…	13	12	20*
Ateneo De Zamboanga University, La Purisima Street, Zamboanga City	…	…	…	13	2	12.81*	…
Davao International Airport, Catitipan, Buhangin District, Davao City	…	…	…	15	17	…	11
Pedro Acharon Sports Complex, Brgy. Calumpang, General Santos City	…	…	…	…	8	…	…
Caraga State University, Ampayon, Butuan City	…	*	*	*	15	14*	…

Notes:
Microgram (µg)
Normal Cubic Meter (Ncm)
Guideline values: 150 ug/Ncm for 24 Hour averaging time
* Less than 75% data captured
** No longer monitoring NO2
… no data

Source: Environmental Management Bureau, DENR

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Table 1.25
ANNUAL GEOMETRIC MEAN OF ROADSIDE TOTAL SUSPENDED PARTICULATES (TSP) LEVELS BY REGION, BY MONITORING STATION
2010 to 2019
(microgram per normal cubic meter)

Region/Province	Monitoring Station Location	2010	2011	2012	2013	2014
NCR						
Makati	Bureau of Fire Cmpd., Ayala Avenue cor. Buendia St., Belair	160	128	135	*	**130
Mandaluyong	Mandaluyong City Hall, Maycilo Circle, Plainview	138	136	148	*	143
Manila	Dept. of Health , San Lazaro St., Rizal Avenue	132	101	114	115	**105
Marikina	Marikina Sports Complex, Sumulong Highway, Sto. Niño	125	125	108	97	81
Pasay	MRT-Taft Avenue Station EDSA Cor. Taft Avenue, Malibay**	294	219	213	197	218
Pasig	LLDA Compound Pasig, City Hall**					
Quezon City	BFD Compound East Avenue**	105	74	72	92	96
	Manila Observatory, Ateneo De Manila University	79	58	62	70	90
	National Printing Office, EDSA**	152	103	96	112	97*
	National Ecology Center Compound, East Avenue Central	...	...	...	...	...
Valenzuela	Valenzuela Municipal Hall** Pamantasan Lungsod ng Valenzuela	162	121	123	143	122
I - Ilocos Region						
Ilocus Sur	Vigan City**		---		∞*	127
Alaminos City	Alaminos City, Province of Pangasinan, Infront of Nepo Mart**	125	...	*		
La Union	San Fernando City**	132	117	*	--	
II - Cagayan Valley						
	Tug. Sation Brgy. 10**	94	108	87	...	
Tuguegarao City	EMB R2, Regional Government Center, Carig Sur, Tuguegarao City					
	St. Paul University Philippines, Mabini Street, Tuguegarao City					
III - Central Luzon						
San Fernando, Pampanga	San Fernando	---	128	243	*	...
Meycauayan, Bulacan	Saluysoy Station**	61	21	14	6	
Bocaue, Bulacan	Intercity Station	---	344	277	*	...
Sta. Cruz, Zambales	Zambales			---		
IVA - CALABARZON						
	Batangas**	22	*	*		
MIMAROPA						
	Oriental Mindoro**	---	159	*	*	...
V - Bicol Region						
Legazpi City	Barriada**	48	34	40	35	40
Iriga City	San Nicolas**	57	52	108	78	55
Naga City	Panganiban Drive, Diversion Road**	102	69	101	96	72
VI - Western Visayas						
Iloilo City	Jaro Police Station Compound**	51	*	*		
Iloilo City	Lapaz Plaza	59	88	*	56	40
Iloilo City	Otan, Iloilo City**		100	*	65	54

Table 1.25 *(Continued)*

Region/Province	Monitoring Station Location	2015	2016	2017	2018	2019
NCR						
Makati	Bureau of Fire Cmpd., Ayala Avenue cor. Buendia St., Belair	111	122	140	125	103
Mandaluyong	Mandaluyong City Hall, Maycilo Circle, Plainview	158	144	126	110	...
Manila	Dept. of Health , San Lazaro St., Rizal Avenue	109	107	99	95	92
Marikina	Marikina Sports Complex, Sumulong Highway, Sto. Niño	104	107	95	92	95
Pasay	MRT-Taft Avenue Station EDSA Cor. Taft Avenue, Malibay**					
Pasig	LLDA Compound Pasig, City Hall**					
Quezon City	BFD Compound East Avenue**	97	138			
	Manila Observatory, Ateneo De Manila University	48	44	55	57	52
	National Printing Office, EDSA**					
	National Ecology Center Compound, East Avenue Central	...	...	136	120	122
Valenzuela	Valenzuela Municipal Hall**	86	97			
---				127	93	102
I - Ilocos Region						
Ilocus Sur	Vigan City**	145				
Alaminos City	Alaminos City, Province of Pangasinan, Infront of Nepo Mart**					
La Union	San Fernando City**					
II - Cagayan Valley						
	Tug. Sation Brgy. 10**					
---						60
---						57
III - Central Luzon						
San Fernando, Pampanga	San Fernando	180	*316	217	106	...
Meycauayan, Bulacan	Saluysoy Station**					
Bocaue, Bulacan	Intercity Station	244	*396	412	293	...
Sta. Cruz, Zambales	Zambales	68	*70	41	44	...
IVA - CALABARZON						
	Batangas**					
MIMAROPA						
	Oriental Mindoro**	*	...	...	20	21
V - Bicol Region						
Legazpi City	Barriada**	37	41	105	71	
Iriga City	San Nicolas**	50	57	105	60	
Naga City	Panganiban Drive, Diversion Road**	72	78	108	124	
VI - Western Visayas						
Iloilo City	Jaro Police Station Compound**					
Iloilo City	Lapaz Plaza	232	115	83	90	66
Iloilo City	Otan, Iloilo City**	213				

Continued

Table 1.25 *(Continued)*
ANNUAL GEOMETRIC MEAN OF ROADSIDE TOTAL SUSPENDED PARTICULATES (TSP) LEVELS BY REGION, BY MONITORING STATION
2010 to 2019
(microgram per normal cubic meter)

Region/Province	Monitoring Station Location	2010	2011	2012	2013	2014
VII - Central Visayas						
Mandaue City	Greenplains Subdivision, Banilad**	74	69	75	71	78
City of Naga	Cornilla Lao Residence Boundary of Barangays Inuburan & Langtad	105	110	124	121	106
Cebu City	Cebu Business Park**	---	32	...	...	...
Cebu City	CITOM Station**	32				
IX - Zamboanga Peninsula						
Zamboanga City	Zamboanga City Medical Center, Dr. Evangelista St.**	141	137	86		
Zamboanga City	Barangay Sto. Nino, San Jose Road**	113	124	74		
Zamboanga City	Philippine International Development Incorporated (PHIDCO), Baliwasan Seaside**	174	139	82		
XI - Davao Region						
Davao City	Davao Memorial Park, Phase II, McArthur Highway**	44	41	40		
Davao City	Las Palmeras Apartele Open Compound, Quimpo Blvd.**	83	*	61		
Davao City	Dacoville Subdivision, Phase II, McArthur Highway, Dumoy, Toril**	65	44	35		
Davao City	Toril Open Park Area, Agton St., Toril Poblacion**	150	*	92		
XII - SOCCSKSARGEN						
South Cotobato	Station 1 Infront of Palomolog**	73	58	*		
Cotobato City	Station 2 Infront of Mun. Hall Suralla**	73	55	*		
Sultan Kudarat	Station 3 Infront of Mun. Hall Isulan**	73	53	*		
XIII - Caraga Region						
Butuan City	New Asia**	49	55	54		
Butuan City	Station Petron Nasipit Depot, Nasipit Agusan Del Norte		---		∞68	68
Cabadbaran	Cabadbaran City Hall					
Butuan City	Central Butuan, District 1 Ground**		50	43	61	71

Notes:
* Less than 75% data captured.
** Station no longer monitoring TSP
-- Shifted to PM10 Monitoring
--- Monitoring Station not yet established
∞ New station added in 2013
… no data (due to equipment breakdown)
TSP National Ambient Air Quality Guideline Values for : 1-year averaging time (Long-term) 90µg/Ncm

Source: Environment Management Bureau, DENR

Table 1.25 *(Concluded)*

Region/Province	Monitoring Station Location	2015	2016	2017	2018	2019
VII - Central Visayas						
Mandaue City	Greenplains Subdivision, Banilad**	94	61	60	59	
City of Naga	Cornilla Lao Residence Boundary of Barangays Inuburan & Langtad	94	64	75	84	59*
Cebu City	Cebu Business Park**	...	...	...	...	138*
Cebu City	CITOM Station**					
IX - Zamboanga Peninsula						
Zamboanga City	Zamboanga City Medical Center, Dr. Evangelista St.**					
Zamboanga City	Barangay Sto. Nino, San Jose Road**					
Zamboanga City	Philippine International Development Incorporated (PHIDCO), Baliwasan Seaside**					
XI - Davao Region						
Davao City	Davao Memorial Park, Phase II, McArthur Highway**					
Davao City	Las Palmeras Apartele Open Compound, Quimpo Blvd.**					
Davao City	Dacoville Subdivision, Phase II, McArthur Highway, Dumoy, Toril**					
Davao City	Toril Open Park Area, Agton St., Toril Poblacion**					
XII - SOCCSKSARGEN						
South Cotobato	Station 1 Infront of Palomolog**					
Cotobato City	Station 2 Infront of Mun. Hall Suralla**					
Sultan Kudarat	Station 3 Infront of Mun. Hall Isulan**					
XIII - Caraga Region						
Butuan City	New Asia**					
Butuan City	Station Petron Nasipit Depot, Nasipit Agusan Del Norte	93	...	84	115	95
---				65	93	92
Butuan City	Central Butuan, District 1 Ground**	94	76			

Table 1.26
DISTRIBUTION OF POLLUTANTS BY TYPE OF EMISSION
IN THE NATIONAL CAPITAL REGION (NCR)
2012 to 2018
(in percent)

Year/ Type of Emission	Pollutants				
	Volatile Organic Compound (VOC)	Carbon Monoxide (CO)	Oxide Nitrogen (NOx)	Oxide of Sulfur (SOx)	Particulate Matter (PM)
Mobile					
2012	18.97	67.64	7.81	0.18	5.40
2015	18.38	68.66	7.75	0.01	5.21
2018	23.82	64.09	7.08	0.00	5.01
Stationary					
2012	0.81	4.65	17.70	48.02	28.81
2015	1.89	19.71	63.76	10.66	3.98
2018	0.54	4.51	6.34	54.33	34.27
Area					
2012	1.56	0.09	0.22	0.00	98.13
2015	0.05	0.31	0.37	0.00	99.27
2018	7.53	1.87	0.05	0.00	90.56

Source: Environmental Management Bureau, DENR

Table 1.27
CONCENTRATION LEVEL OF NITRATE IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	0.2	0.2	0.2	0.1	0.2	1.0	0.3	0.2	0.2	0.1
Stn II - East Bay	0.2	0.1	0.1	0.1	0.1	0.5	0.2	0.2	0.1	0.1
Stn IV - Central Bay	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.3	0.2	0.1
Stn V - West Bay near Pasig River	0.1	0.1	0.1	0.1	0.2	0.7	0.3	0.4	0.4	0.1
Stn VIII - South Bay	0.3	0.2	0.2	0.1	0.3	0.7	0.2	0.2	0.3	0.1
Stn XV - San Pedro	0.2	0.1	0.1	0.0	0.1	0.4	0.2	0.2	0.5	0.1
Stn XVI -Sta. Rosa	...	...	0.1	0.0	0.1	0.6	0.1	0.2	0.2	0.1
Stn XVII - Sanctuary	...	...	0.1	0.0	0.2	0.6	0.1	0.3	0.2	0.1
Stn XVIII - Pagsanjan	...	...	0.1	0.0	0.2	0.4	0.2	0.1	0.1	0.1
Major Tributaries										
NCR										
Bagumbayan River (Taguig)	0.2	0.1	0.1	0.1	0.0	1.0	0.1	0.0	0.1	0.1
Buli Creek (Taguig)	0.3	0.1	0.1	0.1	0.3	2.6	0.1	0.0	0.0	0.1
Mangangate River (Muntinlupa) - Downstream	0.2	0.1	0.1	0.0	0.0	0.5	0.1	0.1	0.1	0.1
Mangangate River (Muntinlupa) - Upstream	...	...	...	...	0.2	1.4	0.3	0.3	0.2	...
Tunasan River (Muntinlupa) - Downstream	0.4	0.2	0.2	0.2	0.1	2.4	0.2	0.1	0.1	0.1
Tunasan River (Muntinlupa) - Upstream	...	...	...	...	0.3	1.3	1.0	0.4	0.1	...
Laguna										
San Pedro River	0.2	0.4	0.7	0.4	0.1	0.9	0.7	0.5	0.5	0.4
Biñan River	...	0.3	0.3	0.1	0.0	0.1	0.2	0.3	0.3	1.0
Sta. Rosa River - Downstream	...	0.2	0.3	0.3	0.1	0.1	0.2	0.1	0.3	0.1
Sta. Rosa River - Midstream	...	...	0.6	0.3	0.5	0.3	0.2	0.1	0.4	0.2
Sta. Rosa River - Upstream	...	...	...	...	1.6	2.1	1.2	1.1	1.3	1.2
Cabuyao River	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.2
San Cristobal River	0.1	0.2	0.2	0.1	0.1	0.5	0.1	0.1	0.1	0.2
San Juan River	6.8	3.6	5.9	4.8	4.1	4.2	4.1	3.2	4.4	3.7
Molawin Creek (Los Baños)	...	0.7	0.5	0.5	0.7	1.0	0.6	0.9	1.8	1.2
Bay River	0.9	0.6	0.7	0.7	0.6	0.9	0.7	0.6	0.7	0.7
Pila River	...	0.4	0.4	0.4	0.3	1.6	1.0	0.4	0.3	0.3
Sta. Cruz River	0.6	0.6	0.9	0.8	0.5	1.6	1.1	0.9	0.8	1.0
Pagsanjan River	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.2	0.4	0.3

Continued

Table 1.27 *(Concluded)*
CONCENTRATION LEVEL OF NITRATE IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pangil River - Downstream	0.4	0.1	0.1	0.1	0.1	2.3	0.2	0.1	0.1	0.1
Pangil River - Upstream	...	...	...	...	0.1	2.7	0.3	0.1	0.1	0.1
Siniloan River	0.6	0.3	0.3	0.3	0.2	0.6	0.3	0.2	0.2	0.4
Sta. Maria River - Downstream	...	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.3	0.4
Sta. Maria River - Upstream	...	...	...	...	0.0	0.2	0.3	0.1	0.1	0.2
Rizal										
Jala-jala River	...	...	0.5	0.5	...	...	0.5	0.2	0.4	0.2
Pililla River	...	0.6	0.5	0.5	0.1	0.6	0.3	0.4	0.6	0.5
Tanay River - Brgy. Wawa	1.2	0.9	1.0	0.6	0.1	1.3	0.5	0.6	0.7	0.6
Tanay River - Daranak Falls	...	...	...	...	...	...	0.4	0.8	0.5	1.1
Tanay River - Cuyambay	...	...	...	...	0.3	0.4	0.3	0.3	0.8	0.5
Baras River	...	0.9	0.7	0.7	0.2	0.5	1.0	0.9	1.2	1.5
Morong River - Downstream	1.8	1.6	1.9	1.3	0.1	2.0	1.5	0.9	1.8	1.3
Morong River - Upstream	...	...	...	...	0.7	1.2	1.0	1.0	1.2	1.7
Manggahan Floodway (Taytay)	0.4	0.4	0.2	0.1	0.0	0.1	0.2	0.0	0.3	0.1
Sapang Baho River (Cainta)	0.6	0.8	0.4	0.2	0.0	0.1	0.2	0.1	0.7	0.1
Angono	...	...	...	...	0.1	1.3	1.0	0.7	1.1	0.8
Delpan	0.3	0.3	0.3	0.2	...	...	...	...	...	...
Guadalupe	0.2	0.2	0.2	0.2	...	...	...	...	...	...
Nagtahan	0.2	0.2	0.2	0.2	...	...	...	...	...	...
Napindan	0.3	0.3	0.3	0.2	...	...	...	...	...	...

Notes:
… no data
2014 water quality data is only from January to June (Laboratory is under construction)

Source: Laguna Lake Development Authority

Table 1.28
CONCENTRATION LEVEL OF PHOSPHATE IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.1
Stn II - East Bay	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Stn IV - Central Bay	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Stn V - West Bay near Pasig River	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Stn VIII - South Bay	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Stn XV - San Pedro	...	...	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Stn XVI -Sta. Rosa	...	...	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Stn XVII - Sanctuary	...	...	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Stn XVIII - Pagsanjan	...	...	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Major Tributaries										
NCR										
Marikina River	1.8	0.5	0.4	0.6	1.1	0.5	0.5	0.7	0.5	0.4
Bagumbayan River (Taguig)	10.4	1.5	1.4	1.2	2.8	1.4	1.8	1.6	1.7	1.0
Buli Creek (Taguig)	8.0	1.8	1.6	1.4	2.2	1.6	1.8	1.5	1.3	0.9
Mangangate River (Muntinlupa) - Downstream	6.4	1.3	0.8	1.1	1.2	1.2	1.4	1.2	1.3	0.8
Mangangate River (Muntinlupa) - Upstream	...	...	...	...	0.8	0.4	0.9	0.6	0.6	...
Tunasan River (Muntinlupa) - Downstream	17.4	2.3	2.2	2.2	2.4	2.1	1.8	1.2	1.7	1.0
Tunasan River (Muntinlupa) - Upstream	...	...	...	...	1.4	0.7	1.4	1.5	1.5	...
Laguna										
San Pedro River	8.6	1.9	1.5	1.6	2.2	1.0	1.5	1.2	1.5	1.1
Biñan River	...	1.0	1.2	1.2	1.4	0.6	1.1	0.8	0.7	0.4
Sta. Rosa River - Downstream	...	1.4	0.9	1.0	1.0	0.6	0.7	0.7	0.5	0.5
Sta. Rosa River - Midstream	...	...	0.7	0.8	0.9	0.6	0.6	0.7	0.6	0.5
Sta. Rosa River - Upstream	...	...	...	...	0.7	0.5	0.6	0.6	0.5	0.4
Cabuyao River	3.8	1.0	1.1	1.2	1.3	0.5	0.9	0.8	0.6	0.7
San Cristobal River	1.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.7	0.4
San Juan River	2.2	0.8	0.6	0.7	0.5	0.7	0.9	0.7	0.7	0.5
Molawin Creek (Los Baños)	...	0.4	0.3	0.4	0.5	0.4	0.5	0.4	0.3	0.3
Bay River	0.9	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.3
Pila River	...	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Sta. Cruz River	1.0	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.3
Pagsanjan River	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1

Continued

Table 1.28 *(Concluded)*

CONCENTRATION LEVEL OF PHOSPHATE IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pangil River - Downstream	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Pangil River - Upstream	...	...	...	...	0.1	0.2	0.1	0.1	0.1	0.1
Siniloan River	0.6	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2
Sta. Maria River - Downstream	...	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
Sta. Maria River - Upstream	...	...	...	...	0.1	0.2	0.1	0.1	0.1	0.1
Rizal										
Jala-jala River	...	...	0.3	0.3	...	...	0.3	0.0	0.0	0.0
Pililla River	...	0.3	0.3	0.3	0.2	0.3	0.4	0.2	0.2	0.2
Tanay River - Brgy. Wawa	0.7	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.1	0.2
Tanay River - Daranak Falls	...	...	...	...	...	...	0.1	0.1	0.1	0.2
Tanay River - Cuyambay	...	...	...	...	0.0	0.2	0.0	0.1	0.1	0.1
Baras River	...	0.4	0.2	0.3	0.7	0.4	0.4	0.5	0.3	0.3
Morong River - Downstream	4.4	1.2	1.2	1.2	1.7	1.0	1.1	1.8	1.4	0.9
Morong River - Upstream	...	...	...	...	1.1	0.9	1.3	1.8	1.5	1.0
Manggahan Floodway (Taytay)	2.1	0.7	0.6	1.0	1.4	0.7	0.9	0.9	0.6	0.6
Sapang Baho River (Cainta)	3.6	0.9	0.8	1.1	1.5	0.7	0.8	1.1	0.7	0.6
Angono	...	...	...	...	0.7	0.6	0.4	0.5	0.5	0.3
Delpan	0.3	0.4	0.2	0.4	...	...	...	...	...	...
Guadalupe	0.7	0.5	0.2	0.4	...	...	...	...	...	...
Nagtahan	0.7	0.5	0.4	0.5	...	...	...	...	...	...
Napindan	0.2	0.2	0.2	0.3	...	...	...	...	...	...

Note:
… no data

Source: Laguna Lake Development Authority

Table 1.29.1
CONCENTRATION LEVEL OF BIOCHEMICAL OXYGEN DEMAND (BOD) OF SELECTED FRESHWATER BODIES BY REGION
2010 to 2019
(milligrams per liter)

Region	Water Body	Class	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NCR												
	Meycauayan-Valenzuela River System	C	31.0	9.9	47.2	44.8	57.9	71.6	74.4	76.2	62.2	78.1
	NMTT River System	C	35.0	...	40.4	38.6	39.6	36.9	43.9	49.4	34.4	46.9
	Parañaque River	C	38.0	29.2	42.0	43.8	56.8	56.0	56.6	58.4	54.0	60.9
	Pasig River	C	...	31.7	...	34.4	56.9	53.3	54.6	53.8	...	...
	San Juan River System	C	...	48.5	...	55.8	66.8	68.3	74.4	68.7	50.6	64.6
CAR												
	Agno River	B	...	1.0	2.3	1.3	4.6	1.3	1.2	1.2	1.2	1.0
	Amburayan River	B	3.0	4.2	3.8	1.1	1.0	1.0	1.0	1.0	1.0	1.1
	Asin Gallano River	B	2.0	3.4	2.3	1.1	1.1	0.9	1.1	1.1	1.0	2.2
	Balili River	B	37.0	35.3	...	39.1	35.4	39.8	50.2	63.5	57.4	72.2
	Bued River	B	1.0	3.7	6.0	2.3	1.0	15.5	11.6	12.3	9.9	9.7
I - Ilocos Region												
	Sinucalan-Dagupan River	C	...	...	12.2	3.8	8.8	4.0	4.3	5.2	4.3	...
	(Dagupan River)	C	6.0	...	...	...	...	...	...	...	...	...
II - Cagayan Valley												
	Cagayan River	C	1.0	2.0	1.0	2.6	...	2.6	...	...	1.9	1.9
	Pinacanauan de Tuguigarao	NC	...	...	1.1	1.1	1.5	1.1	...	...	1.2	...
III - Central Luzon												
	Angat River	C	...	...	...	2.6	4.6	9.3	4.0	4.0	4.8	8.8
	Bocaue River	A/C	11.0	6.7	...	13.5	17.6	31.8	27.0	35.1	38.9	36.7
	Guagua River	C	...	1.6	...	9.1	23.8	14.0	26.6	24.6	30.8	32.7
	Marilao River	C	24.0	18.3	31.4	29.3	23.9	34.8	43.5	28.1	44.5	35.4
	Meycauayan River	C	59.0	45.1	58.5	56.8	45.4	64.2	88.7	65.5	64.8	85.6
	Obando River	C	...	15.8	9.8	11.0	15.4	38.2	26.6	31.9	31.0	39.3
	Pampanga River	C	2.0	1.8	4.0	52.3	...	13.6	10.3	6.2	8.7	12.7
	Sta Maria River	NC	9.0	14.7	10.7	12.3	34.0	17.7	28.1	26.5	26.0	47.0
	Talisay River	C	...	5.7	3.7	2.0	2.1	5.7	4.0	4.0	6.1	5.9
IVA - CALABARZON												
	Cañas River	C	3.0	4.2	3.3	4.6	5.3	4.5	5.0	7.7	6.1	7.0
	Imus River	C	12.0	11.6	12.0	8.9	9.6	11.8	10.2	15.5	10.3	13.6
	Pansipit River	C	...	2.3	...	...	...	...	1.7	4.5	4.0	3.3
	Rio Grande River	C	...	...	...	6.5	9.6	7.2	5.7	4.7	6.1	7.6
	Ylang-Ylang River	C	119.0	13.1	13.5	6.8	4.9	5.9	5.3	65.3	122.1	20.7
MIMAROPA												
	Calapan River	C	14.0	11.0	13.0	5.6	10.4	9.3	6.2	16.7	9.6	10.7
	Tagburos River	C	...	...	...	...	6.0	3.6	8.6	23.6	24.4	...
V - Bicol Region												
	Anayan River	C	4.0	...	...	...	...	...	...	...	2.2	2.3
	Balos River	B	2.0	...	...	...	...	3.6	2.0	2.1	2.7	1.9
	Lake Buhi	B	...	...	1.6	1.2	1.1	2.5	2.4	2.2	2.1	1.6
	Naga River	C	...	...	...	...	70.4	6.2	7.6	4.6	10.4	8.8
	Sagumayon River	C	23.0	14.4	15.6	11.8	23.8	22.6	22.2	29.0	27.8	61.7
	Salog River	C	4.0	...	...	...	...	5.3	3.6	4.0	4.3	5.0
VI - Western Visayas												
	Batiano River	A	5.0	3.1	2.8	4.4	4.7	5.0	5.2	4.6	...	5.9
	Iloilo River	C	12.0	7.0	12.2	8.6	19.8	13.1	8.7	15.2	...	12.7
	Jalaur River	C	5.0	1.0	1.3	3.3	2.9	1.9	2.6	2.3	...	23.9
	Jaro-Tigum-Aganan River	C	2.0	1.1	1.2	1.6	2.6	2.0	5.2	1.6	...	3.5
	Malihao River	C	42.0	24.0	11.8	71.8	42.8	44.3	...	...	...	215.4
	Panay River	A	1.0	1.3	1.2	1.7	2.9	1.9	1.5	1.6	...	2.3
VII - Central Visayas												
	Butuanon River	D	143.0	20.6	29.5	42.0	66.9	111.5	...	...	100.0	73.8
	Guadalupe River	C	55.0	46.2	62.0	56.1	71.5	50.9	95.9	12.6	49.3	51.6
	Guindarohan River	NC	...	2.1	1.9	...	4.6	...	...	...	...	...
	Luyang River	A/C	4.0	4.0	3.0	2.3	...	2.5	5.3	1.5	2.4	6.2
	Sapangdaku River	C	6.0	3.0	1.7	1.8	2.9	2.1	2.4	1.6	1.7	2.8

Continued

Table 1.29.1 *(Concluded)*
CONCENTRATION LEVEL OF BIOCHEMICAL OXYGEN DEMAND (BOD)
2010 to 2019
(milligrams per liter)

Region	Water Body	Class	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
VIII - Easten Visayas												
	Bao River	C	...	...	...	...	...	...	9.0	11.3	2.0	...
IX - Zamboanga Peninsula												
	Mercedes River	C	4.0	4.3	3.0	3.2	8.7	3.6	9.1	8.4	7.0	12.4
	Patalon River	A/B	2.0	1.5	1.1	1.6	1.0	2.6	2.7	0.8	0.5	1.5
	Saaz River	A/B	2.0	1.4	1.3	1.7	1.0	2.0	1.4	0.7	0.8	3.1
	Tumaga River	A/B/C	5.0	3.1	3.1	3.0	5.9	7.5	5.2	1.3	1.9	4.1
X - Northern Mindanao												
	Agusan River	C	...	3.0	2.8	...	1.3	1.4	2.2	1.1	1.8	1.8
	Alae River	C	...	2.8	3.2	...	3.9	13.0	6.5	1.8	13.6	4.0
	Bigaan River	C	...	3.8	2.5	...	1.2	...	...	...	...	1.8
	Cagayan de Oro River	A	...	4.5	2.0	1.7	1.0	0.8	1.0	1.1	1.1	1.4
	Cugman River	C	...	3.5	2.3	...	1.3	2.1	1.6	1.0	1.0	1.9
	Iponan River	A	1.0	4.0	2.2	1.5	1.8	1.0	1.0	1.6	1.1	1.6
	Umalag River	C	...	2.8	3.7	3.0	1.5	4.6	5.5	3.0	5.3	3.5
XI - Davao Region												
	Agusan River	C	...	...	2.2	1.9	1.4	0.3	0.9	1.1	0.7	0.9
	Bitanagan River	C	...	...	...	...	0.9	0.2	1.2	1.0	0.6	...
	Bunawan River	C	...	...	...	...	...	1.5	1.1	2.1	1.9	0.5
	Davao River	A/B		2.4	2.4	2.5	1.8	1.0	1.0	2.6	1.2	0.9
	Digos River	B/C	...	...	1.5	2.3	1.5	0.6	0.8	2.0	1.2	0.8
	Hijo River	C	...	...	1.3	2.2	1.7	1.3	1.4	1.8	1.5	2.0
	Kingking River	C	...	...	...	...	2.5	1.3	1.6	1.1	1.2	1.9
	Lasang River	B	...	...	...	...	...	0.3	1.4	1.5	0.8	1.6
	Libuganon River	C	...	...	...	1.5	1.1	0.4	0.6	1.0	1.0	0.9
	Lipadas River	AA/C	...	3.7	6.0	7.9	4.1	5.9	1.9	4.1	3.1	3.5
	Manurigao River	A	...	...	...	...	...	0.4	0.3	1.4	0.8	...
	Matiao River	C	...	...	1.2	1.2	1.0	0.6	0.4	0.7	0.6	0.5
	Matina River	B	...	...	...	2.6	2.5	2.4	2.2	5.1	10.6	6.1
	Naboc River	C	...	1.5	2.8	2.2	1.7	0.8	0.7	1.1	0.9	0.9
	Padada River	C	...	...	1.9	2.1	1.4	2.0	1.2	1.7	1.6	1.1
	Sumlog River	B/C	...	...	...	...	0.6	0.4	...	0.9	0.8	0.8
	Tagum River	D	...	...	...	2.0	1.6	0.7	1.1	1.2	1.1	1.5
	Talomo River	B	2.0	3.9	2.5	3.6	2.0	1.4	1.4	2.5	1.8	1.6
	Tuganay River	B	...	2.9	2.2	2.7	3.2	1.0	1.1	2.0	1.6	1.1
XII - SOCCSKSARGEN												
	Lake Sebu	B/C	3.0	...	...	...	...	3.1	2.6	4.6	3.0	2.3
	Libungan River	C	...	4.9	1.8	1.5	...	...	1.5	1.1	...	...
	Marbel River	C	...	...	1.2	1.5	3.6	1.0	1.4	1.3	1.2	...
	Matingao River	C	...	...	1.1	1.3	1.0	1.1	1.0	...	...	...
	Silway River	C	2.0	3.8	1.5	2.9	3.4	1.1	1.5	1.2	0.9	1.4
XIII - Caraga												
	Agusan River	C	1.0	0.8	0.6	0.7	0.8	1.3	1.3	0.5	0.8	1.3
	Cabadbaran River	A	...	...	...	...	...	1.2	0.8	0.6	0.6	0.8
	Taguibo River	A/C/D	1.0	0.7	1.0	1.3	2.4	3.0	...	1.4	0.9	0.7
	Tubay River	A	...	...	...	0.5	0.8	0.7	0.6	0.6	0.7	...

Notes:
… no data
NC - Not yet classified
Classes are based on the DENR Administrative Order 2016-08.

Source: Environmental Management Bureau, DENR

Table 1.29.2
CONCENTRATION LEVEL OF BIOCHEMICAL OXYGEN DEMAND (BOD) IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	6.0	2.7	1.8	1.9	2.0	4.0	2.3	2.4	3.3	3.8
Stn II - East Bay	5.3	2.3	1.4	1.5	3.0	4.6	1.8	2.1	2.1	3.1
Stn IV - Central Bay	4.0	2.0	1.5	2.2	3.0	4.1	2.0	2.7	1.8	2.3
Stn V - West Bay near Pasig River	5.3	2.8	2.0	2.8	4.0	5.0	2.1	3.2	2.7	3.7
Stn VIII - South Bay	5.3	2.3	1.8	1.9	2.0	4.0	1.4	2.5	1.5	2.4
Stn XV - San Pedro	...	...	1.8	2.2	3.0	5.0	2.2	2.9	2.0	2.9
Stn XVI -Sta. Rosa	...	...	1.6	2.4	2.0	5.2	2.5	7.5	1.8	3.0
Stn XVII - Sanctuary	...	...	1.5	2.5	2.0	5.0	1.8	3.0	1.6	2.4
Stn XVIII - Pagsanjan	...	...	1.9	2.1	2.0	5.0	2.0	2.3	2.3	2.7
Major Tributaries										
NCR										
Marikina River	25.1	11.8	12.2	20.8	28.0	8.6	7.7	16.5	20.8	18.1
Bagumbayan River (Taguig)	237.8	84.8	63.5	52.7	159.0	96.6	287.2	143.9	151.6	297.0
Buli Creek (Taguig)	160.5	136.3	123.6	115.0	489.0	146.2	245.0	164.3	300.4	174.7
Mangangate River (Muntinlupa) - Downstream	41.7	34.8	22.4	26.0	28.0	30.2	53.7	33.3	53.8	50.6
Mangangate River (Muntinlupa) - Upstream	...	...	...	...	9.0	6.4	8.8	8.0	14.8	...
Tunasan River (Muntinlupa) - Downstream	159.1	128.8	141.2	170.0	401.0	426.2	376.2	169.7	222.3	121.1
Tunasan River (Muntinlupa) - Upstream	...	...	...	...	5.0	9.6	7.1	37.3	32.5	...
Laguna										
San Pedro River	17.9	24.4	23.4	18.7	15.0	11.0	13.4	16.5	19.4	21.4
Biñan River	...	23.7	20.9	20.8	45.0	21.6	34.3	22.2	28.1	23.0
Sta. Rosa River - Downstream	...	17.6	15.5	17.7	15.0	22.6	27.7	33.3	36.3	21.3
Sta. Rosa River - Midstream	...	2.7	2.3	2.4	5.0	2.3	2.3	35.8	42.5	27.4
Sta. Rosa River - Upstream	...	...	...	...	3.0	5.4	8.2	5.9	6.9	6.4
Cabuyao River	14.0	20.4	17.2	24.8	22.0	23.3	30.4	20.5	17.0	18.1
San Cristobal River	77.9	63.4	33.3	35.0	49.0	53.2	98.8	62.5	37.3	51.4
San Juan River	5.3	8.9	4.2	6.3	5.0	3.8	5.5	6.2	4.3	7.7
Molawin Creek (Los Baños)	...	3.8	2.9	4.4	3.0	3.4	3.8	4.1	3.4	5.2
Bay River	4.0	2.8	2.0	5.5	2.0	3.6	2.7	2.6	2.2	2.5
Pila River	...	3.4	2.9	4.7	3.0	3.2	2.8	2.6	5.0	3.7

Continued

Table 1.29.2 *(Concluded)*

CONCENTRATION LEVEL OF BIOCHEMICAL OXYGEN DEMAND (BOD) IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION 2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sta. Cruz River	2.9	2.7	2.3	3.9	2.0	3.8	2.5	2.4	3.9	3.1
Pagsanjan River	3.3	1.8	1.9	3.2	2.0	3.2	2.0	1.4	2.1	1.8
Pangil River - Downstream	5.0	2.2	1.8	2.7	2.0	3.2	2.0	1.4	1.7	2.2
Pangil River - Upstream	...	...	...	...	2.0	3.2	1.8	1.5	2.0	1.4
Siniloan River	7.3	2.2	2.9	3.6	3.0	3.8	3.4	2.5	3.7	2.9
Sta. Maria River - Downstream	...	2.7	2.3	2.4	5.0	2.3	2.3	3.1	2.5	2.5
Sta. Maria River - Upstream	...	...	...	...	1.0	2.8	2.1	1.6	1.7	1.5
Rizal										
Jala-jala River	...	...	2.9	2.8	...	2.0	5.0	2.6	3.6	3.0
Pililla River	...	3.1	3.3	5.7	4.0	5.0	8.1	5.5	5.1	5.0
Tanay River - Brgy. Wawa	4.2	3.3	2.8	4.2	6.0	5.0	7.6	6.0	4.9	5.6
Tanay River - Daranak Falls	...	...	...	...	...	...	1.7	2.2	1.6	2.3
Tanay River - Cuyambay	...	...	...	...	2.0	3.2	2.0	1.6	2.3	1.6
Baras River	...	5.5	4.5	6.1	13.0	9.6	7.7	7.3	7.1	7.1
Morong River - Downstream	13.4	19.6	14.4	14.4	16.0	11.2	14.1	11.1	15.8	11.8
Morong River - Upstream	...	...	...	...	16.0	9.2	18.2	16.9	19.2	10.3
Manggahan Floodway (Taytay)	13.8	10.6	11.3	15.8	20.0	12.4	15.6	14.4	28.1	15.3
Sapang Baho River (Cainta)	17.3	14.7	12.9	25.5	30.0	17.0	21.2	21.0	31.8	22.2
Angono	...	...	...	...	17.0	6.8	8.5	9.3	6.4	6.3
Delpan	7.2	6.9	5.3	14.6	...	...	...	...	...	...
Guadalupe	9.5	15.2	7.6	13.8	...	...	...	...	...	...
Nagtahan	11.3	14.5	7.8	15.7	...	...	...	...	...	...
Napindan	5.0	5.9	4.0	12.3	...	...	...	...	...	...

Notes:
… no data
2014 water quality data is only from January to June (Laboratory is under construction)

Source: Laguna Lake Development Authority

Table 1.30
CONCENTRATION LEVEL OF CHEMICAL OXYGEN DEMAND (COD)
IN LAGUNA DE BAY AND ITS TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	40.5	32.8	20.6	17.3	2.0	1.0	29.8	24.8	21.0	...
Stn II - East Bay	17.8	18.9	18.3	16.6	2.0	...	24.4	20.9	16.0	...
Stn IV - Central Bay	24.8	21.6	16.4	22.9	2.0	...	27.2	26.8	21.0	...
Stn V - West Bay near Pasig River	24.8	22.3	17.8	34.6	36.0	...	27.0	27.1	24.0	...
Stn VIII - South Bay	20.8	22.8	16.6	20.9	43.0	...	25.8	25.0	20.0	...
Stn XV - San Pedro	...	...	18.2	20.9	32.0	...	25.1	25.4	14.0	...
Stn XVI -Sta. Rosa	...	...	16.5	23.7	68.0	...	24.1	37.9	21.0	...
Stn XVII - Sanctuary	...	...	18.0	21.3	40.0	...	24.0	29.1	16.0	...
Stn XVIII - Pagsanjan	...	...	20.7	18.9	48.0	...	24.4	22.4	15.0	...
Tributaries										
Bagumbayan	332.3	168.5	133.7	146.6	329.5	...	...	273.0	211.0	...
Bay River	21.3	21.0	20.8	13.6	20.0	...	...	14.1	27.0	...
Biñan	...	42.1	86.5	51.9	40.0	...	...	51.5	57.0	...
Buli Creek	360.8	248.0	225.4	249.6	410.5	...	...	357.7	392.0	...
Cabuyao	22.5	45.8	40.0	42.9	32.0	...	...	41.5	20.0	...
Los Banos	...	16.2	25.3	16.0	18.0	...	...	17.6	16.0	...
Mangangate Downstream	158.0	70.2	74.9	60.2	186.0	...	...	79.0	109.0	...
Mangangate Upstream	...	...	70.5	52.8	34.0	...	...	34.5	38.0	...
Marikina	35.3	30.6	32.0	52.8	51.0	...	...	61.4	47.0	...
Pagsanjan River / Lumban	96.8	15.3	18.8	16.7	9.0	...	...	10.9	18.0	...
Pila	...	14.8	30.1	16.8	24.0	...	...	30.6	20.0	...
San Cristobal River	195.3	133.2	65.7	205.7	125.5	...	...	73.8	53.0	...
San Juan River	24.8	21.3	29.0	18.1	30.0	...	...	40.5	20.0	...
San Pedro River	60.5	142.4	61.8	150.1	48.0	...	...	55.8	45.0	...
Sta. Cruz River	32.5	8.7	29.5	9.8	20.0	...	...	21.6	11.0	...
Sta. Rosa Downstream	...	43.7	38.1	39.3	42.0	...	...	80.7	41.0	...
Sta. Rosa Midstream	...	...	52.1	32.9	52.0	...	...	79.6	47.0	...
Sta. Rosa Upstream	...	...	45.3	8.4	32.0	...	...	17.8	16.0	...
Tunasan Downstream	226.5	243.5	248.7	374.1	679.0	...	...	317.1	375.0	...
Tunasan Upstream	...	...	40.1	16.8	28.0	...	...	57.6	111.0	...

Note:
… no data

Source: Laguna Lake Development Authority

Table 1.31
ANNUAL AVERAGE OF TOTAL COLIFORM IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION
2010 to 2019
(Most Probable Number/100mL)

Station	2010	2011	2012	2013	2014
Laguna de Bay					
Stn I - West Bay	120.0	118.0	635.0	163.0	569.0
Stn II - East Bay	54.0	400.0	508.0	317.0	278.0
Stn IV - Central Bay	27.0	291.0	1,248.0	401.0	143.0
Stn V - West Bay near Pasig River	101.0	2,838.0	3,343.0	421.0	217.0
Stn VIII - South Bay	198.0	2,339.0	1,746.0	528.0	260.0
Stn XV - San Pedro	...	...	1,606.0	338.0	259.0
Stn XVI -Sta. Rosa	...	...	884.0	892.0	178.0
Stn XVII - Sanctuary	...	...	471.0	137.0	83.0
Stn XVIII - Pagsanjan	...	...	808.0	590.0	29.0
Major Tributaries					
NCR					
Marikina River	2,430,000.0	747,615.0	1,952,500.0	2,017,000.0	8,550,000.0
Bagumbayan River (Taguig)	...	...	11,015,000.0	17,566,667.0	10,700,000.0
Buli Creek (Taguig)	...	...	14,391,667.0	17,582,500.0	3,500,000.0
Mangangate River (Muntinlupa) -Downstream	3,600,000.0	4,874,083.0	5,099,173.0	12,766,667.0	4,900,000.0
Mangangate River (Muntinlupa) -Upstream	...	...	3,300,000.0	1,832,500.0	1,595,000.0
Tunasan River (Muntinlupa) - Downstream	17,080,000.0	20,583,250.0	32,288,889.0	28,225,000.0	160,000,000.0
Tunasan River (Muntinlupa) - Upstream	...	...	1,310,833.0	410,000.0	550,000.0
Laguna					
San Pedro River	1,680,000.0	3,374,083.0	5,912,500.0	6,650,000.0	1,700,000.0
Biñan River	...	...	4,836,250.0	4,133,333.0	2,950,000.0
Sta. Rosa River - Downstream	...	...	8,890,000.0	5,857,500.0	4,450,000.0
Sta. Rosa River - Midstream	...	...	6,248,333.0	5,747,500.0	1,700,000.0
Sta. Rosa River - Upstream	...	...	972,500.0	730,000.0	435,000.0
Cabuyao River	2,320,000.0	2,302,417.0	3,443,333.0	6,295,000.0	2,950,000.0
San Cristobal River	9,726,000.0	27,237,417.0	11,366,667.0	11,250,000.0	8,650,000.0
San Juan River	236,900.0	155,727.0	620,727.0	727,500.0	895,000.0
Molawin Creek (Los Baños)	...	...	75,100.0	132,000.0	94,500.0
Bay River	102,700.0	638,250.0	547,500.0	692,500.0	685,000.0
Pila River	...	...	224,667.0	562,500.0	340,000.0
Sta. Cruz River	19,300.0	810,167.0	132,083.0	132,250.0	52,500.0
Pagsanjan River	15,200.0	44,000.0	44,583.0	106,750.0	484,500.0
Pangil River - Downstream	856,000.0	118,154.0	262,030.0	435,000.0	56,000.0
Pangil River - Upstream	...	...	9,445.0	8,275.0	7,950.0
Siniloan River	32,667.0	131,154.0	114,625.0	112,600.0	260,000.0
Sta. Maria River - Downstream	...	...	121,500.0	99,500.0	390,000.0
Sta. Maria River - Upstream	...	...	14,083.0	8,675.0	1,800.0
Rizal					
Jala-jala River	...	...	758,429.0	240,000.0	...
Pililla River	...	...	156,500.0	94,250.0	445,000.0
Tanay River - Brgy. Wawa	874,667.0	227,692.0	514,492.0	654,750.0	168,900.0
Tanay River - Daranak Falls	...	...	124,000.0	18,350.0	13,950.0
Tanay River - Cuyambay	...	...	...	...	...
Baras River	...	...	508,583.0	737,250.0	689,000.0
Morong River - Downstream	291,000.0	226,000.0	236,500.0	294,500.0	490,000.0
Morong River - Upstream	...	...	268,833.0	26,250.0	41,000.0
Manggahan Floodway (Taytay)	...	...	587,500.0	252,500.0	640,000.0
Sapang Baho River (Cainta)	2,550,000.0	2,084,462.0	2,705,833.0	4,666,667.0	2,950,000.0
Angono	...	...	...	...	6,350,000.0
Teresa River	...	...	...	...	...

Note:
… no data

Source: Laguna Lake Development Authority

Table 1.31 *(Concluded)*

Station	2015	2016	2017	2018	2019
Laguna de Bay					
Stn I - West Bay	...	441.0	549.0	463.0	1,400.0
Stn II - East Bay		1,966.0	1,265.0	354.0	1,211.0
Stn IV - Central Bay	...	248.0	218.0	327.0	1,698.0
Stn V - West Bay near Pasig River	...	1,649.0	1,385.0	727.0	2,034.0
Stn VIII - South Bay	...	757.0	557.0	2,015.0	3,310.0
Stn XV - San Pedro	...	1,140.0	400.0	688.0	1,013.0
Stn XVI -Sta. Rosa	...	716.0	872.0	788.0	931.0
Stn XVII - Sanctuary	...	383.0	486.0	523.0	1,229.0
Stn XVIII - Pagsanjan	...	417.0	643.0	452.0	1,069.0
Major Tributaries					
NCR					
Marikina River	...	2,408,333.0	3,158,333.0	3,237,500.0	1,555,000.0
Bagumbayan River (Taguig)	...	27,041,667.0	45,850,000.0	31,562,500.0	71,500,000.0
Buli Creek (Taguig)	...	16,658,333.0	24,236,364.0	20,520,000.0	34,000,000.0
Mangangate River (Muntinlupa) -Downstream	...	16,363,636.0	6,250,000.0	6,750,000.0	7,555,833.0
Mangangate River (Muntinlupa) -Upstream	...	2,147,500.0	1,340,833.0	2,542,000.0	...
Tunasan River (Muntinlupa) - Downstream	...	52,666,667.0	39,083,333.0	38,375,000.0	25,890,000.0
Tunasan River (Muntinlupa) - Upstream	...	392,727.0	15,979,167.0	11,741,667.0	...
Laguna					
San Pedro River	...	1,480,000.0	3,280,000.0	2,486,250.0	2,976,667.0
Biñan River	...	5,675,000.0	3,270,455.0	6,983,333.0	790,000.0
Sta. Rosa River - Downstream	...	7,149,167.0	7,990,909.0	5,441,667.0	23,583,333.0
Sta. Rosa River - Midstream	...	6,491,667.0	6,390,909.0	6,491,667.0	10,950,000.0
Sta. Rosa River - Upstream	...	2,345,000.0	1,378,182.0	1,597,000.0	1,898,571.0
Cabuyao River	...	11,987,500.0	7,800,000.0	4,483,333.0	4,893,636.0
San Cristobal River	...	52,300,000.0	14,762,727.0	37,166,667.0	66,860,833.0
San Juan River	...	1,070,000.0	741,818.0	1,116,667.0	2,964,000.0
Molawin Creek (Los Baños)	...	98,833.0	359,364.0	2,847,500.0	1,524,167.0
Bay River	...	653,333.0	484,545.0	240,250.0	940,500.0
Pila River	...	89,583.0	96,818.0	93,000.0	163,750.0
Sta. Cruz River	...	254,167.0	139,091.0	53,067.0	281,317.0
Pagsanjan River	...	253,750.0	85,209.0	28,508.0	202,809.0
Pangil River - Downstream	...	293,500.0	149,000.0	100,083.0	283,583.0
Pangil River - Upstream	...	33,267.0	20,458.0	7,042.0	35,892.0
Siniloan River	...	391,333.0	198,250.0	445,500.0	175,417.0
Sta. Maria River - Downstream	...	287,750.0	187,583.0	59,083.0	72,583.0
Sta. Maria River - Upstream	...	72,417.0	16,667.0	16,958.0	40,467.0
Rizal					
Jala-jala River	...	1,600,000.0	79,600.0	114,300.0	83,123.0
Pililla River	...	593,417.0	271,333.0	138,000.0	110,364.0
Tanay River - Brgy. Wawa	...	484,000.0	998,667.0	521,583.0	1,305,818.0
Tanay River - Daranak Falls	...	36,057.0	19,642.0	21,400.0	76,255.0
Tanay River - Cuyambay	...	48,600.0	20,567.0	29,500.0	59,545.0
Baras River	...	615,636.0	1,772,250.0	1,718,417.0	1,269,091.0
Morong River - Downstream	...	240,900.0	268,667.0	406,909.0	278,636.0
Morong River - Upstream	...	61,667.0	44,567.0	109,083.0	86,855.0
Manggahan Floodway (Taytay)	...	631,364.0	1,818,333.0	792,727.0	2,385,455.0
Sapang Baho River (Cainta)	...	5,649,167.0	4,925,000.0	4,843,167.0	4,809,091.0
Angono	...	3,383,333.0	1,578,182.0	1,220,000.0	1,221,818.0
Teresa River	...	...	...	709,667.0	532,000.0

Table 1.32.1
AVERAGE CONCENTRATION LEVEL OF LEAD IN LAGUNA DE BAY AND ITS TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	0.01	0.02	...	...	...	...	0.02	0.02	0.02	0.02
Stn II - East Bay	0.01	0.03	...	...	...	...	0.02	0.02	0.03	0.02
Stn IV - Central Bay	0.01	0.03	...	...	...	...	0.02	0.02	0.02	0.02
Stn V - West Bay near Pasig River	0.01	0.05	...	...	...	...	0.02	0.02	0.02	0.02
Stn VIII - South Bay	0.01	0.01	...	...	...	...	0.02	0.02	0.02	0.02
Stn XV - San Pedro	...	...	...	...	...	...	0.02	0.02	0.02	0.02
Stn XVI -Sta. Rosa	...	...	...	...	...	...	0.02	0.02	0.02	0.02
Stn XVII - Sanctuary	...	...	...	...	...	...	0.02	0.02	0.02	0.02
Stn XVIII - Pagsanjan	...	...	...	...	...	...	0.02	0.02	0.02	0.02
Tributaries										
Bagumbayan	0.02	0.03	...	...	...	...	...	0.02	0.03	0.02
Bay River	0.02	0.03	...	...	...	...	...	0.02	0.02	0.02
Biñan	...	0.04	...	...	...	...	...	0.02	0.02	...
Buli Creek	0.01	0.03	...	...	...	...	...	0.02	0.02	0.02
Cabuyao	0.01	0.04	...	...	...	...	...	0.02	0.02	0.02
Los Banos	...	0.03	...	...	...	...	...	0.02	0.02	0.02
Mangangate Downstream	0.01	0.01	...	...	...	...	...	0.02	0.02	0.02
Mangangate Upstream	...	...	...	...	...	...	...	0.02	0.02	**
Marikina	0.01	0.04	...	...	...	...	...	0.02	0.02	0.02
Pagsanjan River / Lumban	0.01	0.04	...	...	...	...	...	0.02	0.02	0.02
Pila	...	0.04	...	...	...	...	...	0.02	0.02	0.02
San Cristobal River	0.01	0.02	...	...	...	...	...	0.02	0.02	0.02
San Juan River	0.01	0.04	...	...	...	...	...	0.02	0.02	0.02
San Pedro River	0.01	0.03	...	...	...	...	...	0.02	0.02	0.03
Sta. Cruz River	0.01	0.02	...	...	...	...	...	0.02	0.03	0.02
Sta. Rosa Downstream	...	0.04	...	...	...	...	...	0.02	0.02	0.03
Sta. Rosa Midstream	...	...	...	...	...	...	...	0.02	0.02	0.03
Sta. Rosa Upstream	...	...	...	...	...	...	...	0.02	0.02	0.02
Tunasan Downstream	0.01	0.04	...	...	...	...	...	0.02	0.02	0.02
Tunasan Upstream	...	...	...	...	...	...	...	0.02	0.02	**

Notes:
… no data
** Station no longer monitoring

Source: Laguna Lake Development Authority

Table 1.32.2
AVERAGE CONCENTRATION LEVEL OF CADMIUM IN LAGUNA DE BAY AND ITS TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	0.001	0.010	...	...	...	...	0.003	0.002	0.007	0.002
Stn II - East Bay	0.001	0.007	...	...	...	...	0.003	0.002	0.007	0.002
Stn IV - Central Bay	0.002	0.011	...	...	...	...	0.005	0.002	0.004	0.002
Stn V - West Bay near Pasig River	0.002	0.012	...	...	...	...	0.005	0.003	0.004	0.002
Stn VIII - South Bay	0.001	0.001	...	...	...	...	0.006	0.003	0.002	0.002
Stn XV - San Pedro	...	...	...	...	...	...	0.005	0.003	0.002	0.003
Stn XVI -Sta. Rosa	...	...	...	...	...	...	0.006	0.002	0.002	0.003
Stn XVII - Sanctuary	...	...	...	...	...	...	0.005	0.004	0.002	0.003
Stn XVIII - Pagsanjan	...	...	...	...	...	...	0.005	0.004	0.002	0.003
Tributaries										
Bagumbayan	0.002	0.003	...	0.004	...	...	0.002	0.002	0.002	0.004
Bay River	0.003	0.010	...	...	...	...	0.002	0.002	0.003	0.002
Biñan	...	0.002	...	...	...	...	0.002	0.002	0.003	...
Buli Creek	0.002	0.003	...	0.007	...	...	0.002	0.002	0.002	0.002
Cabuyao	0.001	0.003	...	...	...	...	0.002	0.002	0.002	0.004
Los Banos	...	0.011	...	...	...	...	0.002	0.002	0.003	0.002
Mangangate Downstream	0.001	0.004	...	...	...	...	0.002	0.003	0.004	0.002
Mangangate Upstream	...	...	...	0.007	...	...	0.002	0.002	0.003	**
Marikina	0.002	0.001	...	0.002	...	...	0.003	0.002	0.006	0.002
Pagsanjan River / Lumban	0.004	0.002	...	...	...	...	0.002	0.002	0.003	0.004
Pila	...	0.015	...	...	...	...	0.002	0.002	0.003	0.002
San Cristobal River	0.004	0.005	...	...	...	...	0.002	0.002	0.003	0.002
San Juan River	0.002	0.004	...	...	...	...	0.002	0.002	0.003	0.002
San Pedro River	0.001	0.004	...	...	...	...	0.002	0.002	0.006	0.002
Sta. Cruz River	0.003	0.004	...	...	...	...	0.003	0.002	0.002	0.002
Sta. Rosa Downstream	...	0.004	...	...	...	...	0.002	0.007	0.002	0.003
Sta. Rosa Midstream	...	...	...	...	...	...	0.002	0.002	0.003	0.002
Sta. Rosa Upstream	...	...	...	...	...	...	0.002	0.003	0.002	0.002
Tunasan Downstream	0.003	0.003	...	0.008	...	...	0.003	0.003	0.015	0.002
Tunasan Upstream	...	...	...	0.005	...	...	0.002	0.002	0.005	**

Notes:
… no data
** Station no longer monitoring

Source: Laguna Lake Development Authority

Table 1.33
LEVELS OF pH IN LAGUNA DE BAY AND ITS TRIBUTARIES BY STATION
2010 to 2019

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	8.0	7.7	8.5	8.2	8.0	8.2	8.2	8.2	8.5	8.5
Stn II - East Bay	8.2	7.8	8.6	8.3	8.1	8.3	8.7	8.1	8.5	8.5
Stn IV - Central Bay	8.4	8.0	8.6	8.5	8.1	8.3	8.7	8.3	8.5	8.4
Stn V - West Bay near Pasig River	8.2	7.8	8.4	8.1	8.2	8.2	8.4	8.1	8.5	8.5
Stn VIII - South Bay	8.1	7.9	8.3	8.4	8.1	8.2	8.5	8.3	8.3	8.3
Stn XV - San Pedro	...	...	8.7	8.4	8.1	8.3	8.4	8.2	8.7	8.5
Stn XVI -Sta. Rosa	...	...	8.6	8.6	8.2	8.4	8.5	8.3	8.6	8.7
Stn XVII - Sanctuary	...	...	8.7	8.6	8.0	8.2	8.6	8.3	8.6	8.7
Stn XVIII - Pagsanjan	...	...	8.7	8.6	8.2	8.2	8.8	8.3	8.7	8.6
Tributaries										
Bagumbayan	7.3	7.1	7.5	7.4	7.0	7.4	7.2	7.0	6.8	7.0
Bay River	7.7	7.7	8.1	7.9	7.8	7.7	7.9	7.8	8.1	8.0
Biñan	...	7.3	7.7	7.6	7.4	7.7	7.7	7.6	7.8	7.5
Buli Creek	7.5	7.2	7.4	7.3	6.9	7.1	7.3	7.0	6.8	7.1
Cabuyao	7.4	7.3	7.6	7.4	7.3	7.4	7.6	7.4	7.5	7.5
Los Banos	...	7.2	7.5	7.4	7.3	7.2	7.5	7.1	7.4	7.3
Mangangate Downstream	7.4	7.3	7.4	7.5	7.4	7.4	7.5	7.4	7.3	7.5
Mangangate Upstream	...	...	7.7	7.5	7.3	7.5	7.6	7.5	7.5	**
Marikina	7.1	7.1	7.5	7.2	7.3	7.3	7.3	7.2	7.3	7.4
Pagsanjan River / Lumban	7.4	7.1	7.4	7.3	7.3	7.4	7.6	7.2	7.6	7.4
Pila	...	7.2	7.5	7.4	7.3	7.2	7.4	7.2	7.6	7.4
San Cristobal River	7.0	5.7	7.4	7.2	6.9	6.9	6.9	6.9	7.5	7.2
San Juan River	7.1	7.0	7.4	7.4	7.4	7.3	7.6	7.3	7.7	7.5
San Pedro River	7.5	7.4	7.7	7.6	7.4	7.6	7.6	7.5	7.7	7.7
Sta. Cruz River	7.4	7.3	7.6	7.4	7.3	7.3	7.5	7.4	7.6	7.4
Sta. Rosa Downstream	...	7.4	7.6	7.5	7.4	7.5	7.7	7.4	7.9	7.8
Sta. Rosa Midstream	...	...	7.7	7.5	7.5	7.4	7.6	7.4	7.8	7.8
Sta. Rosa Upstream	...	...	7.9	7.7	7.5	7.6	7.9	7.7	7.9	7.9
Tunasan Downstream	7.2	7.0	7.3	7.0	7.0	6.6	7.0	6.9	7.0	7.4
Tunasan Upstream	...	...	7.9	7.6	7.4	7.4	7.8	7.6	7.7	**

Notes:
… no data
** Station no longer monitoring

Source: Laguna Lake Development Authority

Table 1.34
TEMPERATURE OF LAGUNA DE BAY AND ITS TRIBUTARIES BY STATION
2010 to 2019
(in degrees Celsius)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	29.0	28.2	28.7	28.5	...	27.1	29.0	...	29.2	27.9
Stn II - East Bay	28.3	28.3	28.8	28.4	...	27.9	28.0	...	29.2	27.7
Stn IV - Central Bay	29.0	28.5	28.4	28.5	...	27.9	28.0	...	29.0	27.8
Stn V - West Bay near Pasig River	28.8	28.6	28.2	28.5	...	28.7	28.0	...	28.9	29.5
Stn VIII - South Bay	28.7	28.4	29.4	28.6	...	28.4	28.0	...	29.1	28.0
Stn XV - San Pedro	...	...	29.0	28.8	...	29.0	26.0	...	29.3	28.6
Stn XVI -Sta. Rosa	...	...	29.3	27.2	...	28.7	30.0	...	29.3	28.3
Stn XVII - Sanctuary	...	...	28.8	28.7	...	28.4	28.0	...	29.1	27.7
Stn XVIII - Pagsanjan	...	...	29.4	28.6	...	28.1	28.0	...	29.1	27.7
Tributaries										
Bagumbayan	28.1	27.7	29.4	...	...	27.0	...	...	28.4	27.8
Bay River	28.2	27.4	29.0	30.0	...	28.5	...	...	27.8	28.5
Biñan	...	28.8	28.0	...	...	25.7	...	18.3	27.5	28.5
Buli Creek	28.5	28.0	29.7	28.0	...	27.0	...	...	27.6	28.1
Cabuyao	29.2	28.6	29.5	...	...	26.5	...	20.9	28.1	28.6
Los Banos	...	27.7	29.0	28.5	...	28.8	...	...	27.8	27.7
Mangangate Downstream	29.1	28.9	29.4	...	...	27.1	...	...	28.2	28.5
Mangangate Upstream	...	...	...	28.0	...	26.8	...	...	27.3	**
Marikina	27.5	27.1	...	...	...	...	...	...	27.8	27.7

Notes:
… no data
** Station no longer monitoring

Source: Laguna Lake Development Authority

Table 1.35.1
CONCENTRATION LEVEL OF DISSOLVED OXYGEN (DO) OF SELECTED FRESHWATER BODIES BY REGION 2010 to 2019
(milligrams per liter)

Region	Water Body	Class	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NCR												
	Meycauayan-Valenzuela River System	C	...	...	2.5	1.0	0.1	0.0	0.5	0.7	1.1	0.5
	NMTT River System	C	2.0	...	3.3	0.1	0.0	0.0	0.3	0.5	0.4	0.4
	Parañaque River	C	0.3	...	0.9	0.1	0.0	0.6	0.0	0.1	0.1	0.0
	Pasig River	C	...	3.4	...	2.3	2.8	...	2.3	2.2	...	...
	San Juan River System	C	...	1.2	...	0.5	0.0	1.0	0.0	0.1	0.1	0.1
CAR												
	Agno River	C	6.8	...	9.2	10.9	12.8	10.3	11.7	12.5	14.2	11.1
	Amburayan River	B	7.1	...	9.2	10.9	9.8	9.9	11.5	12.0	13.6	10.7
	Asin Gallano River	B	6.9	...	9.0	9.5	9.5	10.0	10.0	10.5	13.2	20.1
	Balili River	B	4.5	...	9.9	8.2	4.9	5.8	6.0	5.0	5.8	5.1
	Bued River	B	6.7	...	9.5	8.5	9.8	7.7	9.6	9.0	10.1	11.0
I - Ilocos Region												
	Sinucalan-Dagupan River	C	...	...	5.6	5.3	5.2	6.8	6.0	5.7	6.4	...
	(Dagupan River)	C	3.6	...	...	...	...	...	...	...	...	...
II - Cagayan Valley												
	Cagayan River	C	7.9	6.6	6.4	8.0	8.0	8.1	8.2	7.6	7.8	7.4
	Pinacanauan de Tuguigarao	NC	...	...	9.8	14.9	7.0	5.6	7.9	8.3	9.6	...
III - Central Luzon												
	Angat River	C	7.1	5.4	4.9	4.5	3.6	4.0	3.9	5.6	5.9	4.9
	Bocaue River	A/C	5.8	3.6	3.1	2.5	1.8	1.8	2.5	2.0	3.0	2.6
	Guagua River	C	...	5.7	3.8	2.5	1.0	3.2	3.1	3.5	4.6	1.7
	Marilao River	C	3.6	3.0	2.9	1.8	1.5	1.4	2.1	2.5	2.4	2.5
	Meycauayan River	C	2.6	2.3	1.9	1.3	0.5	0.5	0.9	0.8	1.2	1.1
	Obando River	C	4.5	5.2	3.0	2.7	1.3	1.4	2.7	3.0	4.0	3.7
	Pampanga River	C	6.4	...	4.5	4.1	...	3.7	4.7	4.5	4.3	5.8
	Sta Maria River	NC	4.7	4.9	2.9	2.6	1.8	2.0	2.3	2.8	2.6	1.3
	Talisay River	C	...	6.7	5.7	5.3	4.2	3.7	4.4	6.0	6.3	6.3
IVA - CALABARZON												
	Cañas River	C	5.3	6.4	7.0	6.6	6.3	6.4	6.0	5.4	5.5	5.5
	Imus River	C	5.2	4.7	4.5	6.0	5.7	5.4	5.1	5.4	5.7	13.6
	Pansipit River	C	...	8.5	...	...	...	...	...	6.5	6.2	6.7
	Rio Grande River	C	...	...	6.6	6.4	5.6	5.3	6.6	6.2	6.1	5.6
	Ylang-Ylang River	C	5.1	5.4	6.0	6.2	5.5	5.9	4.3	4.7	4.9	4.7
MIMAROPA												
	Calapan River	C	1.6	2.0	2.6	2.0	3.2	4.3	1.2	1.3	0.9	3.0
	Tagburos River	C	6.0	...	...	...	5.5	6.8	5.2	6.2	5.3	...
V - Bicol Region												
	Anayan River	C	5.1	...	...	...	...	...	...	...	6.3	4.64
	Balos River	B	7.2	...	...	...	...	7.1	7.0	7.1	6.4	6.6
	Lake Buhi	B	...	...	7.3	8.8	8.7	7.1	7.2	9.2	8.9	8.3
	Naga River	C	...	...	...	...	4.6	6.5	9.8	6.4	5.7	5.8
	Sagumayon River	C	3.1	4.5	6.4	3.5	3.5	3.8	4.1	3.3	3.4	3.0
	Salog River	C	6.6	...	...	...	...	6.0	5.8	5.6	6.3	4.9
VI - Western Visayas												
	Batiano River	A	4.9	4.3	4.8	5.0	5.4	6.6	5.4	5.2	...	6.2
	Iloilo River	C	4.0	3.4	3.8	4.2	4.2	4.4	4.0	4.1	...	3.9
	Jalaur River	C	7.5	6.0	6.9	7.0	7.4	8.0	7.1	7.4	...	7.2
	Jaro-Tigum-Aganan River	C	7.0	6.8	7.2	7.4	7.7	7.1	7.5	7.0	...	6.2
	Malihao River	C	4.3	5.2	4.2	4.4	4.4	4.7	...	...	...	3.4
	Panay River	A	6.9	6.2	6.4	6.5	6.1	6.9	5.5	6.5	...	5.0
VII - Central Visayas												
	Butuanon River	D	2.3	3.2	3.4	2.9	2.4	2.3	...	...	2.5	2.2
	Guadalupe River	C	1.5	1.6	0.8	0.5	1.0	1.6	1.2	5.2	2.4	0.8
	Guindarohan River	NC	5.5	5.4	5.4	...	...	...	...	...	...	...
	Luyang River	A/C	5.8	5.1	4.0	5.3	6.0	7.9	8.3	8.4	8.2	8.4
	Sapangdaku River	C	5.1	5.3	3.0	5.6	7.0	7.3	7.9	7.8	7.8	7.8
VIII - Easten Visayas												
	Bao River	C	...	...	8.8	10.5	7.6	7.7	7.0	8.3	8.1	8.2

Continued

Table 1.35.1 *(Concluded)*
CONCENTRATION LEVEL OF DISSOLVED OXYGEN (DO) OF SELECTED FRESHWATER BODIES BY REGION 2010 to 2019
(milligrams per liter)

Region	Water Body	Class	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
IX - Zamboanga Peninsula												
	Mercedes River	C	6.0	6.9	6.9	6.2	5.5	6.1	6.0	6.1	5.5	7.5
	Patalon River	A/B	7.5	8.3	8.2	7.5	8.0	7.4	6.9	7.4	13.5	7.2
	Saaz River	A/B	7.3	7.9	8.4	7.7	8.1	7.7	8.1	7.9	8.2	7.9
	Tumaga River	A/B/C	5.6	7.3	7.4	7.4	6.6	7.1	5.4	7.3	6.9	6.1
X - Northern Mindanao												
	Agusan River	C	7.9	7.9	8.3	...	8.0	1.4	9.1	8.0	6.9	8.1
	Alae River	C	...	6.3	6.2	...	6.7	13.0	7.4	6.5	5.9	6.6
	Bigaan River	C	6.5	7.7	8.2	...	7.2	...	...	...	...	7.8
	Cagayan de Oro River	A	8.2	8.2	4.5	6.8	7.7	7.2	7.4	7.2	7.5	8.3
	Cugman River	C	7.7	7.7	8.2	...	7.5	2.1	8.2	7.3	7.4	8.7
	Iponan River	A	6.8	7.9	7.6	6.8	6.8	1.0	6.3	6.7	6.8	7.8
	Umalag River	C	...	6.8	9.2	7.0	7.1	4.6	5.6	6.7	6.9	7.5
XI - Davao Region												
	Agusan River	C	...	...	6.9	7.0	7.2	7.5	7.4	7.4	7.4	7.3
	Bitanagan River	C	...	...	...	...	7.8	7.2	...	...	7.1	...
	Bunawan River	C	...	...	...	...	...	6.8	6.6	6.4	7.0	6.8
	Davao River	A/B	6.6	7.6	7.1	7.0	7.5	7.5	7.4	7.2	7.1	8.0
	Digos River	B/C	...	...	7.4	7.2	7.7	7.9	7.5	7.3	7.4	8.3
	Hijo River	C	...	...	7.7	7.2	7.8	7.2	6.9	7.6	7.3	7.3
	Kingking River	C	...	...	...	...	7.4	7.0	6.3	7.2	7.3	7.7
	Lasang River	B	...	...	...	...	...	7.8	7.5	7.2	6.8	7.0
	Libuganon River	C	...	...	...	7.5	7.6	7.5	7.3	7.3	7.1	7.6
	Lipadas River	AA/C	...	7.3	6.8	6.5	6.5	6.4	6.6	6.9	7.2	7.4
	Manurigao River	A	...	...	...	...	...	8.3	8.1	8.4	8.1	...
	Matiao River	C	...	...	8.1	7.6	7.9	7.6	7.5	7.9	8.3	...
	Matina River	B	...	...	6.7	6.4	6.4	7.1	6.1	2.5	4.6	3.4
	Naboc River	C	7.0	7.8	7.7	7.5	7.9	7.8	7.4	8.0	7.9	8.7
	Padada River	C	...	...	7.2	6.9	7.2	7.1	7.1	7.3	7.1	7.5
	Sumlog River	B/C	...	...	...	...	8.3	7.7	8.2	7.8	7.8	7.7
	Tagum River	D	...	...	...	6.9	7.0	6.8	6.4	6.3	6.4	7.3
	Talomo River	B	7.0	6.6	7.2	7.1	7.4	7.7	7.2	7.5	7.1	7.8
	Tuganay River	B	...	6.6	6.8	6.5	4.2	6.8	7.0	6.4	6.8	7.3
XII - SOCCSKSARGEN												
	Lake Sebu	B/C	6.8	...	...	...	...	6.2	5.9	7.2	7.9	8.2
	Libungan River	C	...	7.3	8.8	...	...	...	8.5	8.7	...	...
	Marbel River	C	...	...	7.8	7.3	7.3	8.3	6.8	6.1	8.0	...
	Matingao River	C	...	...	7.7	7.2	8.1	8.4	7.6	...	...	...
	Silway River	C	5.1	6.5	7.2	7.1	7.2	7.0	6.6	7.1	7.6	7.1
XIII - Caraga												
	Agusan River	C	6.4	6.3	6.6	6.2	6.9	1.3	6.2	5.9	6.8	6.8
	Cabadbaran River	A	...	...	...	...	...	1.2	8.0	8.1	7.6	9.4
	Taguibo River	A/C/D	7.3	7.4	6.6	6.9	7.1	3.0	6.7	8.3	8.0	8.2
	Tubay River	A	...	...	...	7.1	7.8	0.7	6.9	7.0	7.3	7.7

Notes:
… no data
NC - Not yet classified
Classes are based on the DENR Administrative Order 2016-08.

Source: Environmental Management Bureau, DENR

Table 1.35.2
CONCENTRATION LEVEL OF DISSOLVED OXYGEN (DO) IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Laguna de Bay										
Stn I - West Bay	9.1	7.7	7.6	7.9	8.4	7.9	7.9	7.8	8.0	7.6
Stn II - East Bay	8.0	8.2	7.9	7.9	7.9	8.0	8.2	8.3	8.6	7.6
Stn IV - Central Bay	8.8	8.5	8.0	8.1	8.3	8.3	9.1	9.0	8.0	7.7
Stn V - West Bay near Pasig River	8.7	7.4	7.5	7.2	9.1	9.1	7.5	8.3	8.5	8.1
Stn VIII - South Bay	8.0	8.1	8.1	8.0	8.5	8.3	8.0	8.8	7.9	7.5
Stn XV - San Pedro	...	...	8.2	7.5	8.3	8.5	7.4	8.1	8.4	7.5
Stn XVI -Sta. Rosa	...	...	8.1	8.4	9.3	8.6	8.1	8.4	8.6	8.1
Stn XVII - Sanctuary	...	...	7.9	8.3	8.5	8.5	8.2	8.8	8.0	7.8
Stn XVIII - Pagsanjan	...	...	8.0	8.5	8.1	8.5	8.4	8.7	9.1	8.5
Major Tributaries										
NCR										
Marikina River	2.1	1.9	1.9	1.1	1.8	1.6	1.4	1.0	1.3	0.8
Bagumbayan River	0.1	0.5	0.3	0.2	0.1	0.2	0.4	0.1	0.1	0.1
Buli Creek (Taguig)	0.1	0.1	0.2	0.3	0.8	0.2	0.3	0.3	0.1	0.1
Mangangate River (Muntinlupa) -Downstream	0.1	0.2	1.3	0.9	0.9	0.2	0.1	0.2	0.1	0.1
Mangangate River (Muntinlupa) -Upstream	...	...	...	...	4.1	4.7	4.5	4.4	3.5	...
Tunasan River (Muntinlupa) -Downstream	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Tunasan River (Muntinlupa) -Upstream	...	...	...	...	3.7	4.0	4.9	1.7	1.8	...
Laguna										
San Pedro River	0.2	1.3	1.2	1.7	1.9	1.7	0.5	1.0	0.9	1.2
Biñan River	...	0.6	0.6	0.5	1.4	1.3	0.6	1.6	1.4	3.0
Sta. Rosa River - Downstream	...	1.2	2.2	2.0	2.3	3.2	0.3	1.2	1.3	1.8
Sta. Rosa River - Midstream	...	...	2.0	1.8	2.7	2.1	1.3	1.3	1.5	1.7
Sta. Rosa River - Upstream	...	...	...	...	6.6	6.7	6.0	6.2	6.0	6.5
Cabuyao River	0.6	0.7	0.8	0.6	1.3	0.7	0.6	1.2	1.4	0.5
San Cristobal River	1.3	1.2	2.0	1.1	1.6	1.6	0.3	0.9	1.1	0.6
San Juan River	3.6	2.8	3.0	3.8	6.0	5.4	5.2	5.6	5.5	5.4
Molawin Creek (Los Baños)	...	4.4	3.3	3.7	3.6	3.1	3.2	4.4	5.1	5.5
Bay River	7.0	6.6	6.8	6.8	6.5	6.8	6.3	6.8	6.1	6.0
Pila River	...	5.1	4.8	5.0	4.6	4.2	3.7	4.4	3.8	3.5
Sta. Cruz River	7.0	6.5	6.5	6.2	6.5	6.2	5.6	6.1	5.4	5.0
Pagsanjan River	7.1	7.3	6.4	6.5	6.6	6.4	6.6	6.6	7.0	6.3
Pangil River - Downstream	7.1	7.3	7.3	6.8	7.6	7.4	7.7	8.1	7.4	6.9
Pangil River - Upstream	...	...	...	...	7.5	7.4	7.7	7.1	7.6	7.5
Siniloan River	5.5	4.6	2.7	4.0	4.1	4.1	4.1	4.7	3.9	4.1
Sta. Maria River - Downstream	...	6.5	6.5	6.5	5.7	6.3	6.1	6.6	6.3	5.9
Sta. Maria River - Upstream	...	...	...	...	8.3	8.5	8.2	8.4	8.7	8.1
Rizal										
Jala-jala River	...	...	6.0	5.7	5.4	4.5	5.7	6.2	6.3	5.6
Pililla River	...	3.9	3.7	3.3	3.4	3.6	2.9	2.9	4.2	2.3
Tanay River - Brgy. Wawa	5.1	5.5	6.5	5.4	6.7	5.0	6.1	6.1	5.0	4.2
Tanay River - Daranak Falls	...	...	...	...	...	...	...	8.3	9.0	7.9
Tanay River - Cuyambay	...	...	...	...	9.0	8.7	7.4	7.3	7.7	7.7
Baras River	...	3.9	4.7	4.2	6.4	5.4	4.9	4.4	4.5	4.0

Continued

Table 1.35.2 *(Concluded)*
CONCENTRATION LEVEL OF DISSOLVED OXYGEN (DO) IN LAGUNA DE BAY AND ITS MAJOR TRIBUTARIES BY STATION
2010 to 2019
(milligrams per Liter)

Station	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Morong River - Downstream	5.0	7.3	4.9	5.0	5.1	6.8	6.7	3.3	4.2	3.6
Morong River - Upstream	...	...	...	...	6.7	8.1	6.9	3.9	7.7	3.3
Manggahan Floodway (Taytay)	1.9	1.7	2.3	0.9	1.7	2.8	1.8	0.5	1.2	0.4
Sapang Baho River (Cainta)	1.0	0.8	1.8	0.8	1.4	0.9	0.5	0.3	0.8	0.2
Angono	...	...	...	...	2.1	3.7	3.7	3.6	4.5	3.5
Delpan	1.8	2.1	3.2	1.4	...	...	...	...	...	...
Guadalupe	3.1	3.4	3.4	3.2	...	...	...	...	...	...
Nagtahan	1.0	1.7	2.3	1.9	...	...	...	...	...	...
Napindan	4.0	4.1	4.3	3.7	...	...	...	...	...	...

Notes:
… no data
2014 water quality data is only from January to June (Laboratory is under construction)

Source: Laguna Lake Development Authority

Table 1.36
ANNUAL GEOMETRIC MEAN OF TOTAL COLIFORM IN SELECTED MARINE WATERBODIES BY REGION
2010 to 2019
(Most Probable Number/100 mL)

Region	Water Body	Class	2010	2011	2012	2013	2014
III - Central Luzon							
	Bulacan Bay	SB	...	...	350.0	3,051.1	...
	Manila Bay (bathing beaches)	SB	...	...	6,401.1	2,904.1	...
	Limay Mariveles Coastal	SB	...	...	...	345.3	721.6
	Beach Monitoring (Iba Zambales)	SB	...	...	311.9	96.2	18.3
	Pampanga Bay	SB	...	...	57.2	2,902.2	...
MIMAROPA							
	Bacuit Bay	SB	...	...	764.9	624.4	...
	Coron Bay	SB	...	...	6,551.0	6,474.2	...
	Sabang Bay	SC	...	...	1,258.1	2,073.1	1,097.7
VI - Western Visayas							
	Iloilo Coastline	SC	...	...	17,157.2	...	...
	Boracay Coastal Water	SC	...	21.0	35.6	20.9	28.4
	Guimaras Strait	SC	...	120.3	536.3	321.6	126.2
	Iloilo Strait	SC	...	121.2	808.8	369.8	375.5
	Roxas City Coastline	SB	...	...	2,106.9	...	...
VIII - Easten Visayas							
	Ormoc Bay	SC	...	...	...	...	...
IX - Zamboanga Peninsula							
	Bolong Beach	SB	...	...	...	356.5	1,315.1
	Caragasan Beach	SB	...	...	211.6	699.5	3,425.0
	Cawa-cawa Beach Resort	SB	...	...	24,801.4	1,461.7	48,899.7
	Golf Course Beach Resort	SB	...	...	...	...	...
	La Aplaya Bonita Beach	SB	...	7,382.1	5.8	57.8	1,900.0
	La Vista del Mar Beach Resort	SB	...	...	...	...	...
	Puerto Villa Beach	SB	...	6,053.4	8.0	26.8	3,937.0
X - Northern Mindanao							
	Macalajar Bay	NC	...	68.5	108.4	42.3	...
XII - SOCCSKSARGEN							
	Sarangani Bay	SC	...	...	111.8	17.9	46.5
XIII - Caraga							
	Hinagkaban Bay	SC	...	...	...	...	...
	Taganito Bay	SA	...	...	...	...	...

Notes:
… no data
NC - not yet classified
* Total Coliform is replaced with Fecal Coliform since CY 2017
Classes are based on the DENR Administrative Order 2016-08.

Source: Environmental Management Bureau, DENR

Table 1.36 *(Concluded)*

Region	Water Body	Class	2015	2016	2017*	2018*	2019*
III - Central Luzon							
	Bulacan Bay	SB	...	...	...	...	...
	Manila Bay (bathing beaches)	SB	...	4,428.2	3,160.9	5,815.0	2,691.8
	Limay Mariveles Coastal	SB	744.8	1,959.7	4,267.4	...	...
	Beach Monitoring (Iba Zambales)	SB	77.3	101.1	36.4	777.8	162.1
	Pampanga Bay	SB	...	861.5	...	...	1,624.1
MIMAROPA							
	Bacuit Bay	SB	805.0	594.9	25.3	1,418.4	3.8
	Coron Bay	SB	1,445.7	53,761.3	1,191.8	...	...
	Sabang Bay	SC	2,785.2	17,185.6	2,015.8	2,944.3	...
VI - Western Visayas							
	Iloilo Coastline	SC	...	...	...	...	...
	Boracay Coastal Water	SC	25.8	18.4	11.2	47.3	19.2
	Guimaras Strait	SC	128.8	4,246.0	288.6	...	...
	Iloilo Strait	SC	275.2	2,877.8	739.8	...	...
	Roxas City Coastline	SB	374.4	...	...	...	...
VIII - Easten Visayas							
	Ormoc Bay	SC	...	...	...	177.7	574.8
IX - Zamboanga Peninsula							
	Bolong Beach	SB	435.2	652.7	66.9	4,082.0	4,089.9
	Caragasan Beach	SB	5,830.5	740.5	232.3	4,690.1	13,648.1
	Cawa-cawa Beach Resort	SB	5,830.5	1,161.5	491.7	5,048.9	4,941.2
	Golf Course Beach Resort	SB	8,511.1	...	...	...	...
	La Aplaya Bonita Beach	SB	...	...	...	...	...
	La Vista del Mar Beach Resort	SB	...	...	...	...	...
	Puerto Villa Beach	SB	1,217.9	462.7	27.5	1,728.3	3,445.3
X - Northern Mindanao							
	Macalajar Bay	NC	...	...	50.6	172.3	63.2
XII - SOCCSKSARGEN							
	Sarangani Bay	SC	538.7	72.1	...	...	...
XIII - Caraga							
	Hinagkaban Bay	SC	...	...	...	...	...
	Taganito Bay	SA	...	...	...	...	...

Table 1.37
CONCENTRATION LEVEL OF DISSOLVED OXYGEN (DO) OF SELECTED MARINE WATERBODIES BY REGION
2010 to 2019
(milligrams per liter)

Region	Water Body	Class	2010	2011	2012	2013	2014	2015	2016	2017	2018*	2019*
III - Central Luzon												
	Bulacan Bay	SB	...	...	7.4	4.8	...	...	...	...		
	Manila Bay (bathing beaches)	SB	...	...	5.6	5.3	...	3.8	5.8	6.0		
	Limay Mariveles Coastal	SB	...	...	...	5.4	4.2	3.6	4.1	6.3		
	Beach Monitoring (Iba Zambales)	SB	...	...	...	5.1	4.2	3.3	3.6	5.8		
	Pampanga Bay	SB	...	...	5.8	5.0	...	4.3	4.9	...		
MIMAROPA												
	Bacuit Bay	SB	...	...	6.7	6.8	7.2	...	5.4	4.2		
	Coron Bay	SB	5.9	...	7.0	9.1	5.4	8.6	6.7	3.8		
	Sabang Bay	SC	...	...	7.7	9.7	6.7	...	...	9.2		
VI - Western Visayas												
	Iloilo Coastline	SC	7.0	...	6.3	...	...	7.0	...	...		
	Boracay Coastal Water	SC	6.8	...	6.7	...	7.0	7.0	7.1	7.6		
	Guimaras Strait	SC	7.4	...	7.2	7.0	7.3	7.3	6.8	7.0		
	Iloilo Strait	SC	7.1	6.7	6.7	6.4	7.5	7.2	...	6.4		
	Roxas City Coastline	SB	...	...	6.0	...	...	6.5	...	...		
VIII - Easten Visayas												
	Ormoc Bay	SC	9.6	10.3	10.0	9.4	7.9	9.6	7.7	10.7		
IX - Zamboanga Peninsula												
	Bolong Beach	SB	...	...	...	...	...	...	6.3	6.3		
	Caragasan Beach	SB	...	6.6	6.1	6.6	...	...	6.9	7.3		
	Cawa-cawa Beach Resort	SB	6.6	6.0	5.6	6.6	...	5.6	6.7	6.2		
	Golf Course Beach Resort	SB	7.5	6.6	6.8	6.9	...	6.3	...	...		
	La Aplaya Bonita Beach	SB	...	7.0	6.9	6.9	...	...	...	...		
	La Vista del Mar Beach Resort	SB	...	6.7	6.6	6.7	...	6.5	...	...		
	Puerto Villa Beach	SB	...	7.5	6.6	6.9	...	...	6.7	6.9		
X - Northern Mindanao												
	Macalajar Bay	NC	6.6	5.2	5.7	7.6	...	...	...	...		
XII - SOCCSKSARGEN												
	Sarangani Bay	SC	6.0	6.2	5.7	5.9	5.9	...	5.9	5.4		
XIII - Caraga												
	Hinagkaban Bay	SC	...	6.4	6.6	...	...	...	...	...		
	Taganito Bay	SA	6.7	6.4	6.5	...	...	...	...	...		

Notes:
… no data
NC - not yet classified
*Dissolved Oxygen (DO) was not monitored during CY 2018 and 2019 as per Memorandum Circular 2015-006,

Source: Environmental Management Bureau, DENR

Component Two

Environmental Resources and Their Use

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COMPONENT TWO

ENVIRONMENTAL RESOURCES AND THEIR USE

The second component of the compendium compiles statistics on the environmental resources, defined by the System of Environmental Economic Accounting (SEEA) 2012 Central Framework as "the naturally living and non-living components of the Earth, together constituting the biophysical environment, which may provide benefits to humanity", and the stocks and changes in stocks of these resources. Statistics under this component are mostly concerned with the monitoring of the availability, consumption and use of environmental resources.

The Physical Flow and Asset Accounts of the SEEA 2012 Central Framework is deeply connected with the statistics compiled in this component. The objective of the flow accounts is to monitor the physical flows of the resources from the environment to the economy, within the economy and back to the environment. The asset accounts serve as inventories of the stocks of environmental resources and monitor the additions and reductions of these stocks due to natural causes and human activities.

The statistics in this component are also linked to different Sustainable Development Goals, particularly those that are directly related to production and consumption such as food security (SDG 2), access to safe and affordable water (SDG 6), sufficiency of energy (SDG 7) and responsible consumption (SDG 12). Some statistics from this component may also be used to derive indicators for the promotion of sustained, inclusive and sustainable economic growth (SDG 8), and for the monitoring of life in water (SDG 14) and on land (SDG 15), as well as of forests given their benefits to mitigating global warming (SDG 13).

Component 2 is divided into six subcomponents, each focusing on an environmental resource of data: mineral resources, energy resources, land, soil resources, biological resources and water resources. Twenty-one Tier 1, twenty Tier 2 and eleven Tier 3 statistics of this component have been compiled for this edition of the compendium.

2.1 Mineral Resources

The FDES 2013 defines mineral resources as "the elements or compounds composed of a concentration of naturally occurring solid, liquid, or gaseous materials in or on the earth's crust." Minerals may be metallic or non-metallic in nature. By the given definition, coal and petroleum resources like oil and natural gas are also minerals but given their special purpose as source of energy, they are tackled in another subcomponent.

Mineral resources are non-renewable and do not regenerate in any human timescale. Thus, one of the main concerns involving them are their availability and the sustainability of their extraction from the environment.

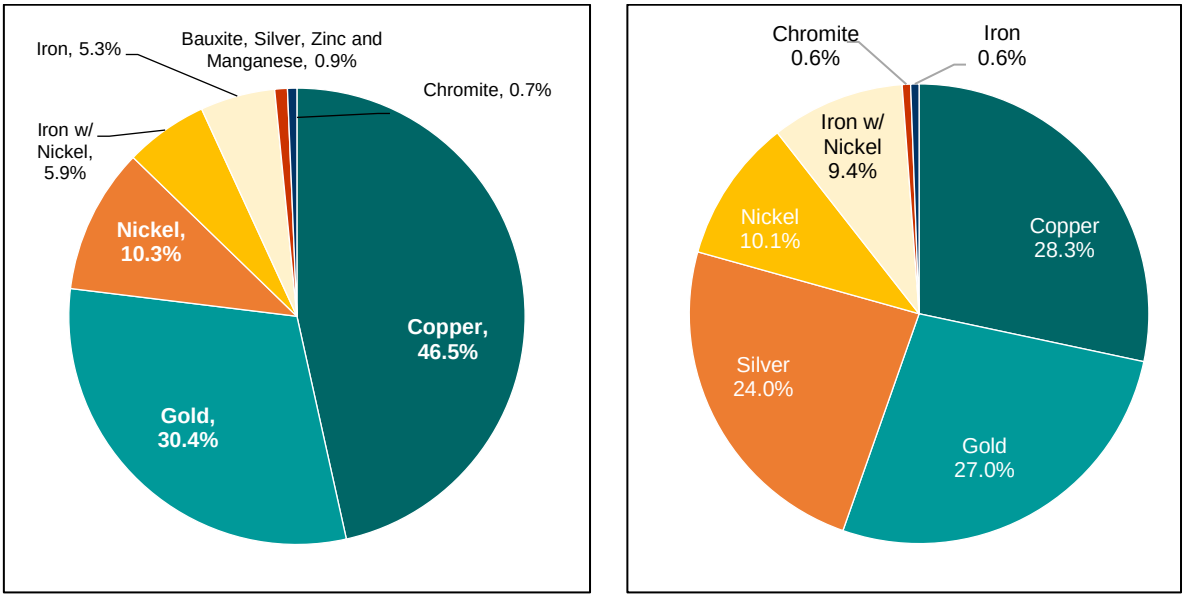
Statistics under this subcomponent are essential in the compilation of the asset accounts for the mineral resources. Moreover, these statistics serve as input in compiling indicators under SDG 8: Decent Work and Economic Growth and SDG 12: Responsible Consumption and Production.

2.1.1 Metallic and Non-Metallic Mineral Resources and Reserves

The Mines and Geosciences Bureau (MGB) of the Department of Environment and Natural Resources (DENR) provided the Annual Metallic and Non-Metallic Mineral Resources and Reserves Inventory as of the end of 2019 for the statistics on the amount of stocks of mineral resources.

For these statistics, the measures of stocks of minerals are differentiated into two, as Mineral Resources and Mineral Reserves. The Canadian Institute of Mining defines "mineral resources" as the "concentration or occurrence of solid material of economic interest in or on the Earth's crust in such form, grade or quality and quantity that there are reasonable prospects for eventual economic extraction", while it defines "mineral reserves" as the "economically mineable part of a resource." Mineral resources comprise known deposits of non-metallic minerals and metallic minerals.

Figure 2.1 Percent Distribution of Metallic Mineral Resources and Reserves of the Philippines, 2019



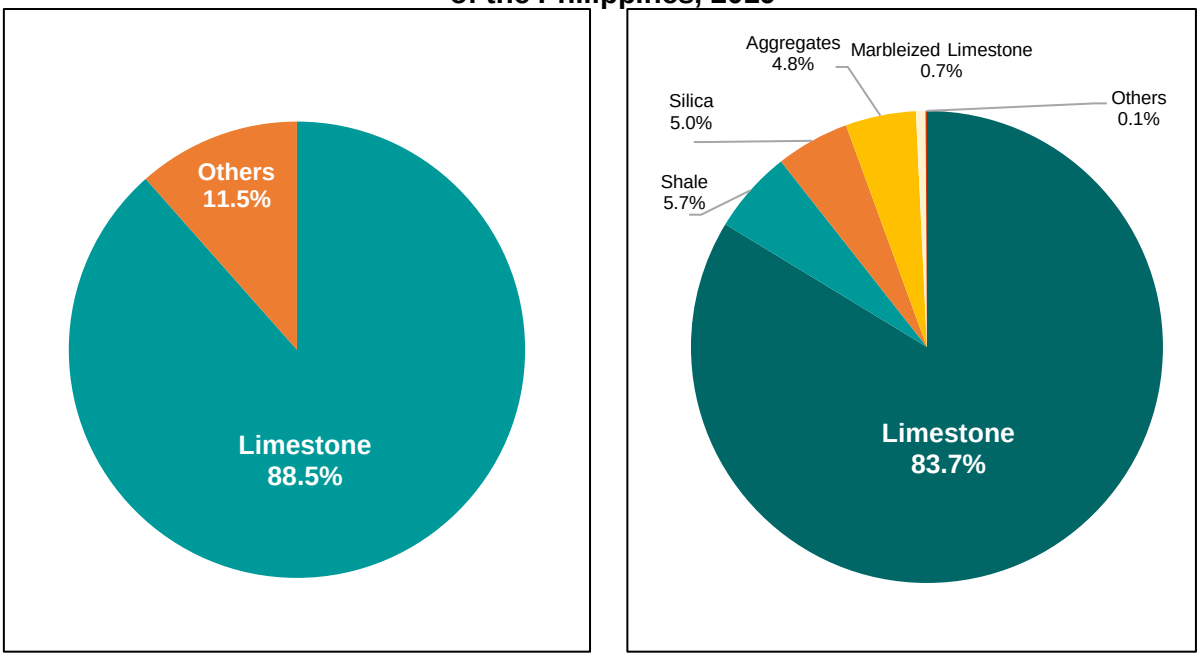
Resources **Reserves**

Source: Mines and Geosciences Bureau

There are ten metallic minerals presented in the inventory: silver, gold, bauxite, chromite, copper, iron, iron associated with nickel, manganese, nickel, and zinc. On the other hand, 21 non-metallic minerals are also presented: aggregates, asbestos, bentonite, clay, diatomaceous earth, feldspar, guano, gypsum, industrial sand and gravel (ISAG), magnesite, marbleized limestone, magnesium oxide, perlite, pozzolan, rock phosphate, shale, silica, sulfur, talc and zeolite.

In 2019, copper had the largest amount among all metallic resources and reserves in the country with over 8.52 billion metric tons (MT) and 2.01 billion MT resources and reserves, respectively. The largest copper resource was found in the SOCCSKSARGEN while the largest copper reserve was in the MIMAROPA region. Meanwhile, limestone was the most abundant among all non-metallic resources and reserves with over 58.66 billion MT and 2.31 billion MT in resources and reserves, respectively. These amounted to 88.5 percent and 83.7 percent of the total mineral resources and reserves. The largest limestone resource was found in Region VIII while the largest limestone reserve was in Region VII.

Figure 2.2 Percent Distribution of Non-Metallic Mineral Resources and Reserves of the Philippines, 2019



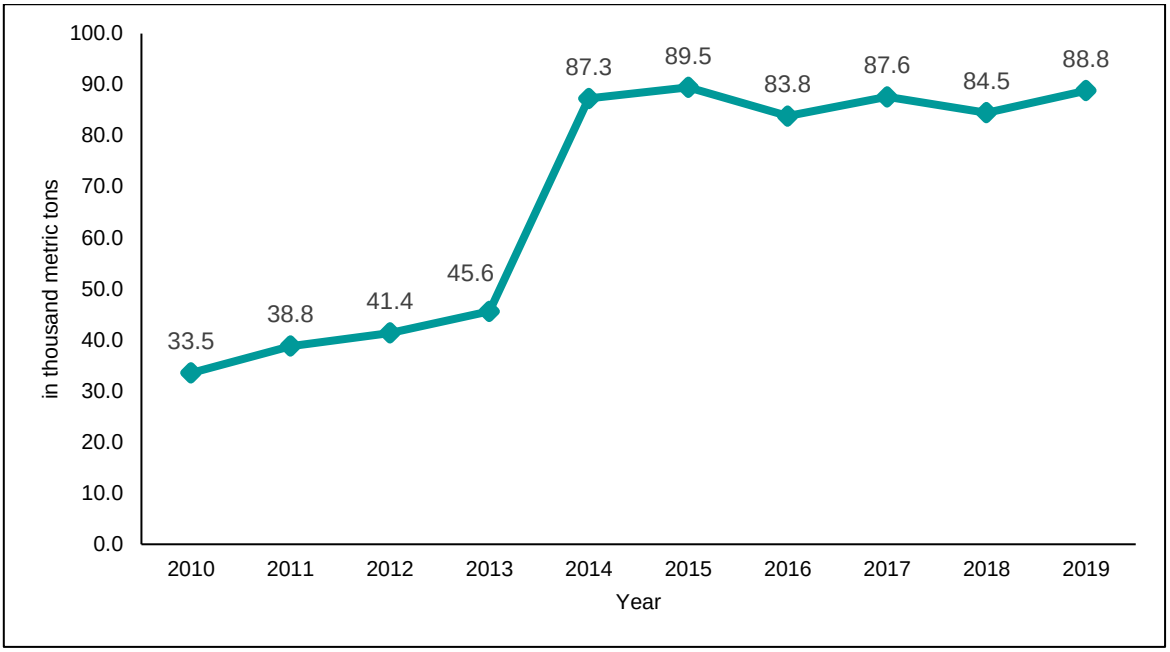
Source of data: Mines and Geosciences Bureau

2.1.2 Mineral Production

Table 2.2 presents the annual production levels from 2010 to 2019 of 16 mineral products; nine are metallic mineral products, while seven are non-metallic. The production levels are all expressed in dry metric tons, except for gold and silver which were in kilograms, cement in bags, and sand and gravel in cubic meters. The data is sourced from the MGB.

Among metallic mineral products, nickel mixed sulfides posted the highest increase during the ten-year period, from 33,539.00 dry metric tons (DMT) to 88,813.80 DMT or 164.8 percent increase. On the other hand, gold production decreased by almost half from 40,846.82 kilograms in 2010 to 20,646.42 kilograms in 2019. For non-metallic mineral products, production of silica increased more than threefold from 247.88 thousand metric tons in 2010 to 1.00 million metric tons in 2019. On the contrary, production of limestone for cement manufacturing declined from 18.93 million metric tons to 16.97 million metric tons during the same period.

Figure 2.3 Annual Production of Nickel Mixed Sulfide from 2010 to 2019, in thousand metric tons



Source: Mines and Geosciences Bureau

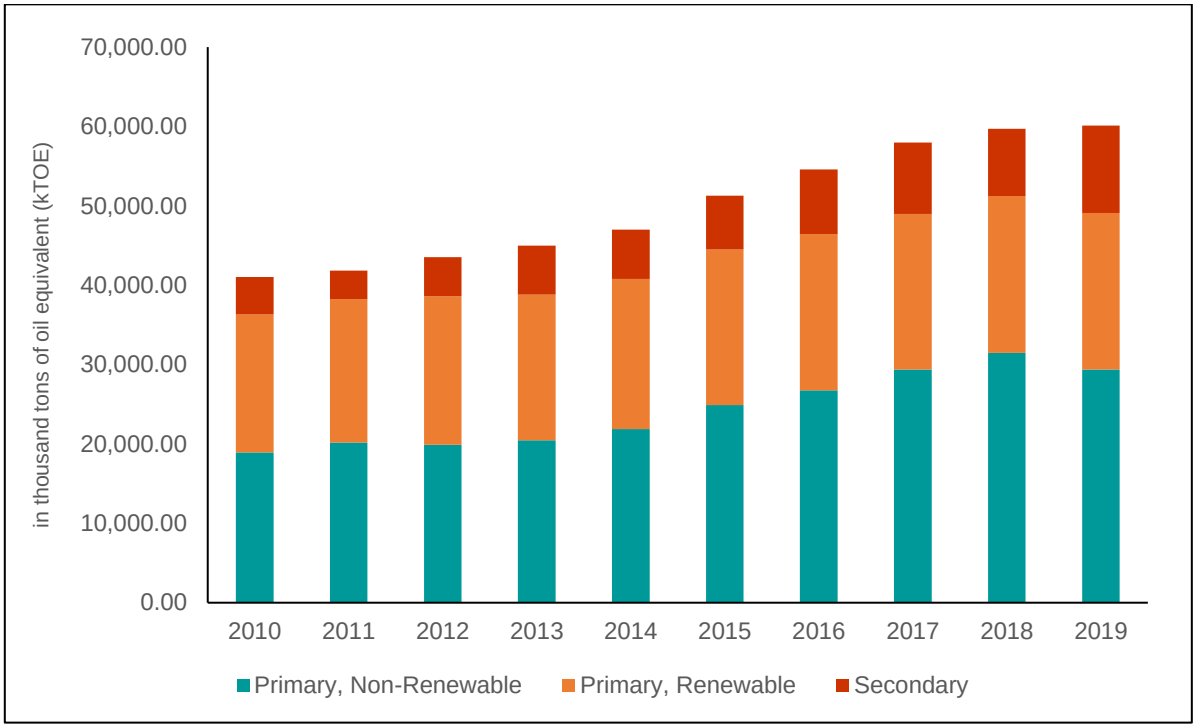
2.2 Energy Resources

The statistics listed in FDES 2013 are divided into two topics: one involving the stocks and changes in stocks of energy resources, and the other statistics concerning production and trade of energy. The energy balance tables (EBTs) provided by the Department of Energy (DOE) were acquired to provide statistics for the second topic. Furthermore, statistics on energy resources support the formation of policies that aim to ensure sustainable food production systems, implement resilient agricultural practices that increase productivity and production, provide universal access to affordable, reliable and modern energy services, promote economic growth, and achieve responsible consumption and production. Hence, these statistics serve as input in measuring the indicators under SDG 2: Zero Hunger, SDG 7: Affordable and Clean Energy, SDG 8: Decent Work and Economic Growth, and SDG 12: Responsible Consumption and Production.

The EBTs are annually compiled by the DOE to summarize the supply and use of energy flowing in and out of the country. An EBT shows the total primary energy supply (TPES), the total final consumption of energy, imports and exports of energy, among others. These amounts were reported for each source of energy – coal, crude oil, natural gas, condensate, hydropower, geothermal, solar, wind, biomass, biodiesel, bioethanol, oil products and electricity. These sources are also grouped according to the types of energy sources – the primary or secondary, and non-renewable or renewable. The amounts of energy in the EBT are expressed in thousand tons of oil equivalent (kTOE).

Total primary energy supply increased by 46.3 percent from 41,046.35 thousand tons of oil equivalent (kTOE) in 2010 to 60,068.21 kTOE in 2019. The largest share in the total primary energy supply, with an average of 48.2 percent, comes from non-renewable energy resources, namely: coal, oil, natural gas, and condensate. This is followed by renewable energy resources such as hydro, geothermal, solar, wind, and biomass. The smallest share is from secondary energy products including kerosene, diesel, and liquefied petroleum gas, among others. (Table 2.5 and Figure 2.4)

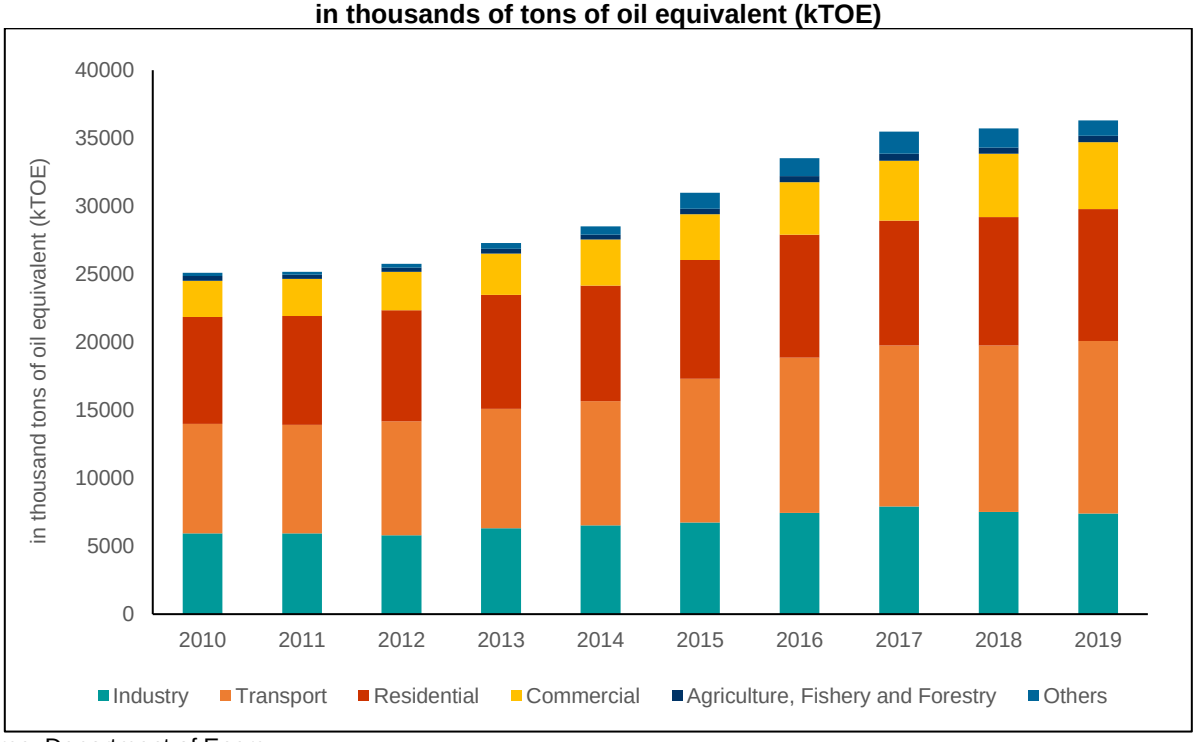
Figure 2.4 Total Energy Supply By Type of Source from 2010 to 2019, in thousand tons of oil equivalent (kTOE)



Source: Department of Energy

Meanwhile, total final energy consumption increased by 44.7 percent during the same period, from 25,092.22 kTOE to 36,311.95 kTOE. The top three consumers of energy in the country are the transport, residential and industry sectors, in that order. (Table 2.5 and Figure 2.5)

Figure 2.5 Total Final Energy Consumption By Sector from 2010 to 2019, in thousands of tons of oil equivalent (kTOE)



Source: Department of Energy

2.3 Land

The subcomponent on Land has two Tier 1 statistics: Area according to land use and use of forest land. However, these statistics are still unavailable thus, this subcomponent contains only Area under irrigation, a Tier 2 statistic. The data for this was provided by the National Irrigation Administration through their reports on actual irrigated area.

Table 2.6 show the annual Service Area, Firmed-Up Service Area (FUSA) and the actual irrigated areas during each cropping season. The Service Area is defined as “the area of an irrigation system after the project completion and turnover for operation that is already provided with irrigation and drainage facilities where irrigation and drainage service could already be rendered”, while the FUSA is the “the net service area of an irrigation system where converted areas and permanently non-restorable areas were deducted from the service area”. Each table contains the actual irrigated area for two main seasons, wet and dry— with the addition of one or two seasons depending on the availability of data. The area for each region is also given, disaggregated as well into two different irrigation systems, the National Irrigation System (NIS) and the Communal Irrigation System (CIS). Aside from the different regions, the areas irrigated in the Upper Pampanga River Integrated Irrigated System (UPRIIS) and the Magat River Integrated Irrigation System (MRIIS) which are categorized under NIS, are also presented.

The annual total irrigated area during the wet season is larger than that during the dry season by an average of 42.01 thousand hectares (ha). The actual irrigated area from 2010 to 2019 for the wet and dry seasons grew by 24.3 percent and 26.8 percent, respectively.

2.4 Biological Resources

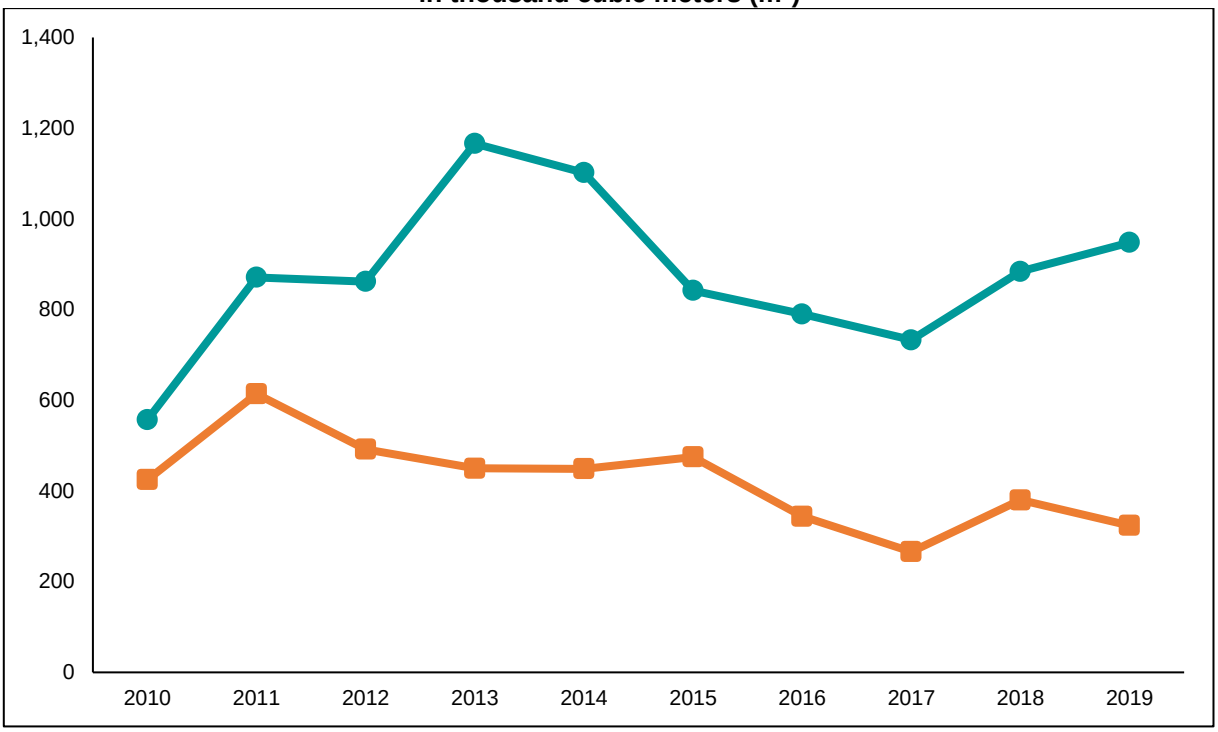
This subcomponent covers six topics. These are timber resources, aquatic resources, crops, livestock and poultry, and other biological resources. Statistics on biological resources support formation of programs that aim to promote sustained economic growth, ensure sustainable consumption and production patterns, sustainable use of oceans, seas, and marine resources, and lastly, to protect and restore terrestrial ecosystems. Thus, these statistics may provide indicators under SDG 8: Decent Work and Economic Growth, SDG 12: Responsible Consumption and Production, SDG 14: Life Below Water, and SDG 15: Life On Land.

2.4.1 Timber Resources

The core statistics for Timber Resources are unavailable. Production, imports and exports of timber products were compiled for the compendium as Tier 2 statistics. These were sourced from the Forest Management Bureau (FMB). Roundwood production is disaggregated into the production of log and fuelwood. Log production is further disaggregated into specific products—sawlog/veneer log, pulpwood, and poles and piles. Fuelwood, on the other hand, has upland and charcoal production.

Log production increased in 2019 compared to its level in 2010. It reached its peak in 2013 with almost 1.17 million m^3 in production. Fuelwood production, on the other hand, declined in 2019 compared to its level in 2010. It had hit its lowest in 2017 with 266.00 thousand m^3 in production. (Table 2.7.1 and Figure 2.6)

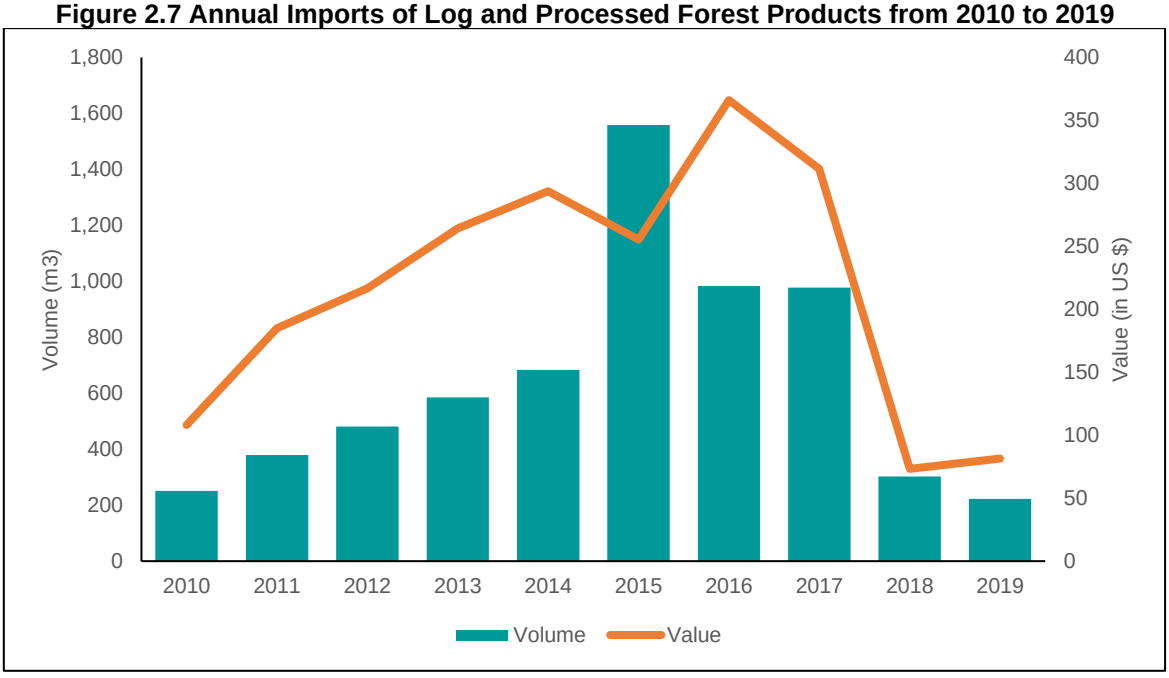
Figure 2.6 Annual Roundwood Production from 2010 to 2019 in thousand cubic meters (m^3)



Source: Forest Management Bureau, DENR

Imports and exports of timber products are expressed in cubic meters or net kilograms for volume and value in US dollars and are disaggregated in individual products. Volume and value of logs and processed forest products from 2010 to 2019 decreased by -11.4 percent and -24.8 percent, respectively. In 2019, plywood imports were low with 1.41 thousand m^3 in volume and is valued at 1.24 million US dollars. The value of plywood imports peaked in 2017 at 223.12 million US dollars. (Table 2.8.1)

Figure 2.7 Annual Imports of Log and Processed Forest Products from 2010 to 2019



Source: Forest Management Bureau, DENR

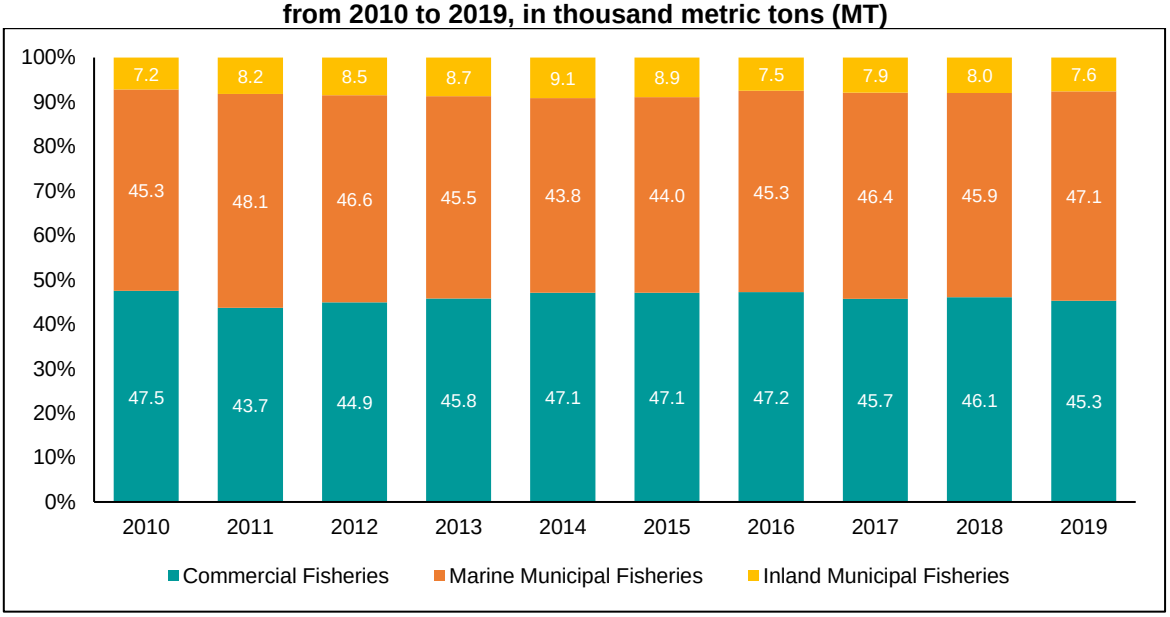
Charcoal is the top timber product export in terms of volume, peaking at almost 533.54 million net kilograms in volume in 2019. While lumber had the highest value amounting to around 177.30 million US dollars in worth in 2019. (Table 2.8.2)

2.4.2 *Aquatic Resources*

The topic of Aquatic Resources consists of captured fish and aquaculture production statistics produced by the Philippine Statistics Authority. The data presented here are disaggregated by region and by relevant species. Captured fish production is disaggregated into commercial and municipal fisheries production. Municipal fisheries production is further disaggregated into inland and marine municipal fisheries production. Aquaculture, meanwhile, is disaggregated by aquafarm type: brackishwater pond, brackishwater pen, brackishwater cage, freshwater pond, freshwater pen, freshwater cage, marine pen, marine cage, rice fish, and small farm reservoir. The production of farmed oyster, mussel, and seaweed are also included under aquaculture.

Over ten years, fish capture production decreased by -14.4 percent, dropping from a level of more than 5.16 million metric tons (MT) in 2010 to a little less than 4.42 million MT in 2019. It can be found that all three fisheries have lower production levels than a decade. Production from commercial fisheries was lower by -25.0 percent, marine municipal fisheries by -18.2 percent, and inland municipal fisheries by -16.4 percent. Commercial and marine municipal fisheries contributed the largest shares in the annual fish catch, as shown in Figure 2.8 comprising an average of 91.8 percent of the annual production levels. (Tables 2.9.1 to 2.9.3)

Figure 2.8 Percent Distribution of Annual Fish Capture Production by sub-sector from 2010 to 2019, in thousand metric tons (MT)



Source: Philippine Statistics Authority

Aquaculture production levels also decreased by -7.4 percent from 2.55 million MT in 2010 to over 2.30 million MT in 2019. Seaweed, which comprises the biggest share with an annual average production level of more than 1.57 million MT, decreased by -16.7 percent during the ten-year span. (Tables 2.10.1 to 2.10.11)

2.4.3 Crops

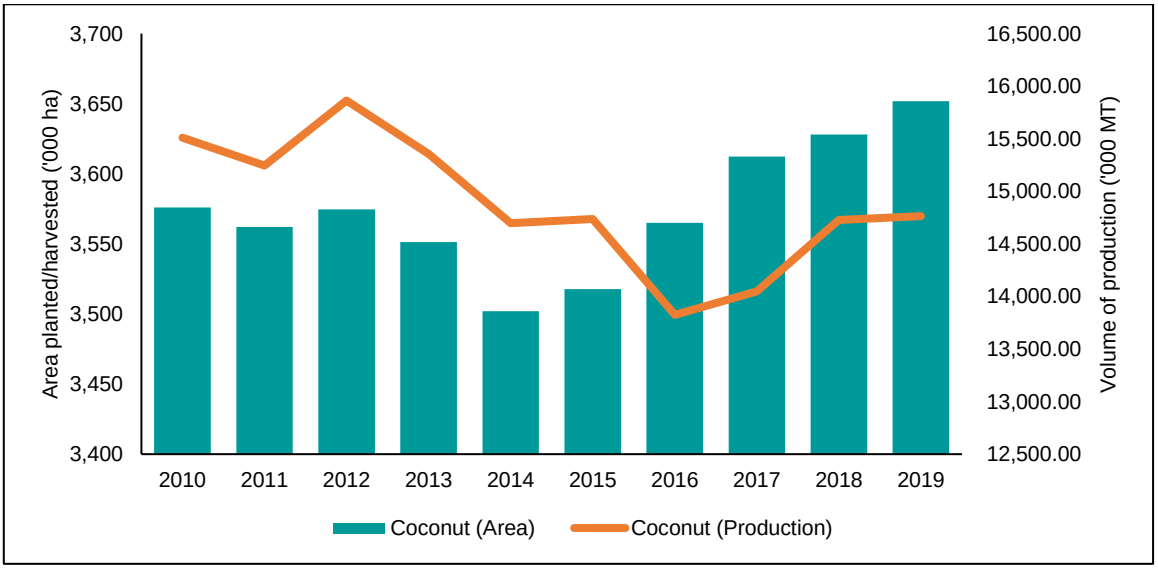
Under the topic of Crops, statistics on the production, area planted and harvested, imports and exports of crops were compiled. The statistics on national and subnational production and area planted/harvested were compiled for palay, corn, and sixty-six other crops. Palay is further disaggregated into irrigated and rainfed palay, while corn is broken down into white and yellow corn. Additionally, statistics on the imports and exports of palay, corn and several crops are expressed in volume and value. These statistics on crops were sourced from the Philippine Statistics Authority. In addition to the topic, statistics on the imports, exports, sales and production of fertilizer and pesticides were sourced from the Fertilizer and Pesticide Authority of the Department of Agriculture, as substitute to the statistics on amounts of used fertilizer and pesticide as recommended in the FDES 2013.

Area planted/harvested for palay increased by 6.4 percent from 2010 to 2019. This amounts to 297.33 thousand hectares (ha) of palay area. Of this area growth, irrigated palay area planted/harvested contributed more than 254.16 thousand ha, while rainfed palay contributed 43.17 thousand ha. Palay production grew by over 3.04 million MT or 19.3 percent of the 2010 production of 15.77 million MT. Around 2.48 million MT of the production growth was irrigated palay, while the 566.02 thousand MT was rainfed palay.

On the other hand, corn area planted/harvested increased by 0.7 percent or 17.68 thousand ha. While yellow corn area grew by 255.36 thousand ha, white corn area diminished by 237.67 thousand ha. Consequently, white corn production decreased by 98.22 thousand MT. On the other hand, yellow corn production growth from 2010-2019 amounted to 1.70 million MT, bringing the total net growth of corn to 1.60 million MT or 20.1 percent.

Out of the sixty-six other crops, coconut comprises the biggest share of total area planted/harvested, with an average of 3.57 million ha planted/harvested in a year. Through the ten-year coverage, the area planted/harvested of coconut grew by 0.02 percent or 75.9 thousand ha. The volume of coconut production declined from 15.51 million MT in 2010 to 14.77 million MT in 2019. (Tables 2.11.2 and 2.12.2, and Figure 2.9)

Figure 2.9 Annual Area Harvested/Planted and Volume of Production of Coconut from 2010 to 2019



Source: Philippine Statistics Authority

Sugarcane and banana have significant shares to the total area planted/harvested and total production. Banana, on the average, had the second largest share of land area planted/harvested with a mean area of 447.25 thousand ha. It also came second in production with an average level of 9.07 million MT. Meanwhile, sugarcane production amounted to 24.24 million MT in average, with 418.26 thousand ha in area planted/harvested.

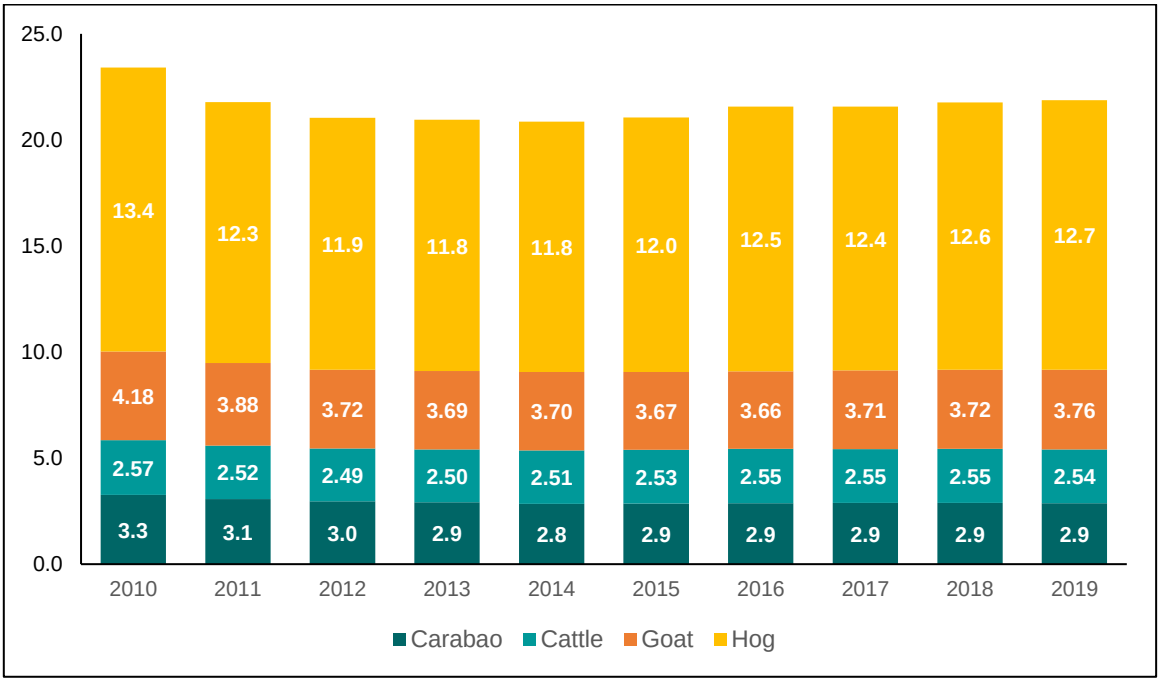
2.4.4 Livestock and Poultry

The statistics collected under this topic include the livestock inventory and slaughter statistics of cattle, carabao, goat, and hogs or swine. Also included are the livestock inventory for chicken and ducks and the number of dressed chickens in dressing plants. These are sourced from the Philippine Statistics Authority.

The livestock and poultry inventory statistics collected are all from the beginning of the year. For all animals except for chicken, the data is disaggregated into the number of animals in commercial or backyard farming. Chickens are disaggregated into layers, boilers, and native types.

Of all the four-legged animals, swine is recorded with the most number of heads in the live inventory as of January 1. On average, around 12.34 million hogs were recorded in a span of ten years, as shown in Figure 2.10. However, its number in 2010 decreased by 688.54 thousand heads by 2019, equivalent to 0.1 percent. Despite this, the number of swine slaughtered in 2019 was higher by more than 3.91 million or by 30.3 percent of its number in 2010.

Figure 2.10 Livestock Inventory* by Species from 2010 to 2019, in million heads



*as of January 1 of year
Source: Philippine Statistics Authority

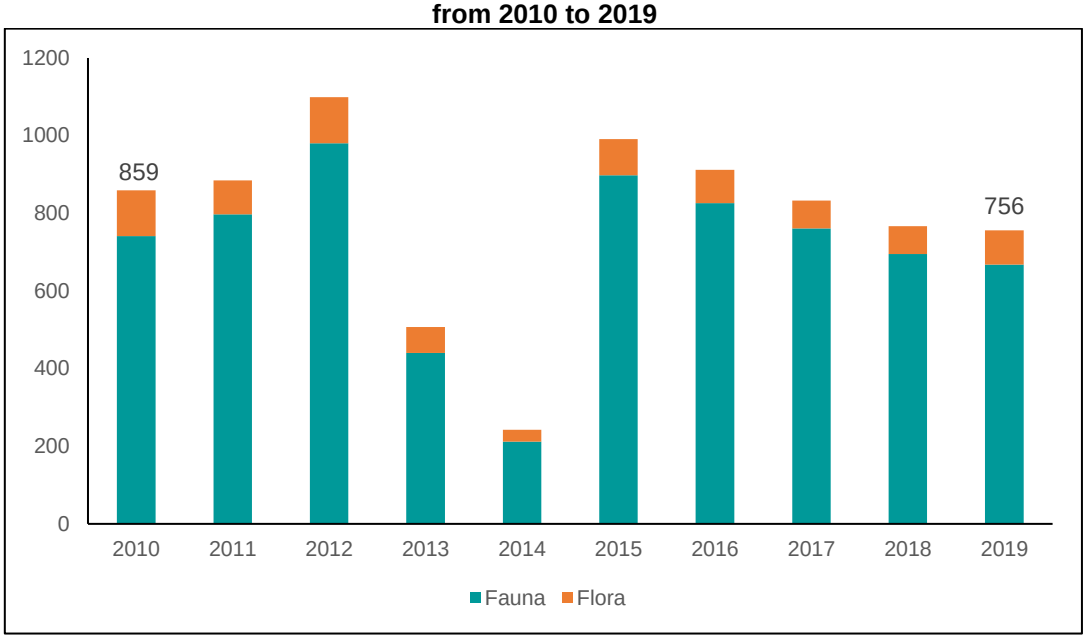
On the other hand, chickens exceed the other animals in terms of number in inventory or number of dressed birds in dressing plants. On average, about 171.28 million chickens were recorded in the inventory on January 1. In fact, the number of recorded chickens in the inventory rose steadily from 2010 until it came up to more than 186.37 million chickens in 2019. This was 27.39 million or 14.7 percent more than the beginning of the coverage. The number of chickens slaughtered annually,

meanwhile, amounted to a little more than 766.84 million in 2019. This was 51.0 percent more than the almost 375.96 million in 2010. (Tables 2.14.2 and 2.15.2)

2.4.6 *Other Biological Resources*

The topic of other biological resources only contains Tier 2 statistics. The statistics for this comprise the number of wildlife permits issued per year, the imports and exports of Convention on International Trade of Endangered Species (CITES) species from 2010-2019. CITES is an international convention with the aim of ensuring that international trade of wildlife and plants do not threaten their survival. The data were sourced from the Biodiversity Management Bureau and the Forest Management Bureau of the DENR.

Figure 2.11 Number of CITES Export Permits Issued, from 2010 to 2019



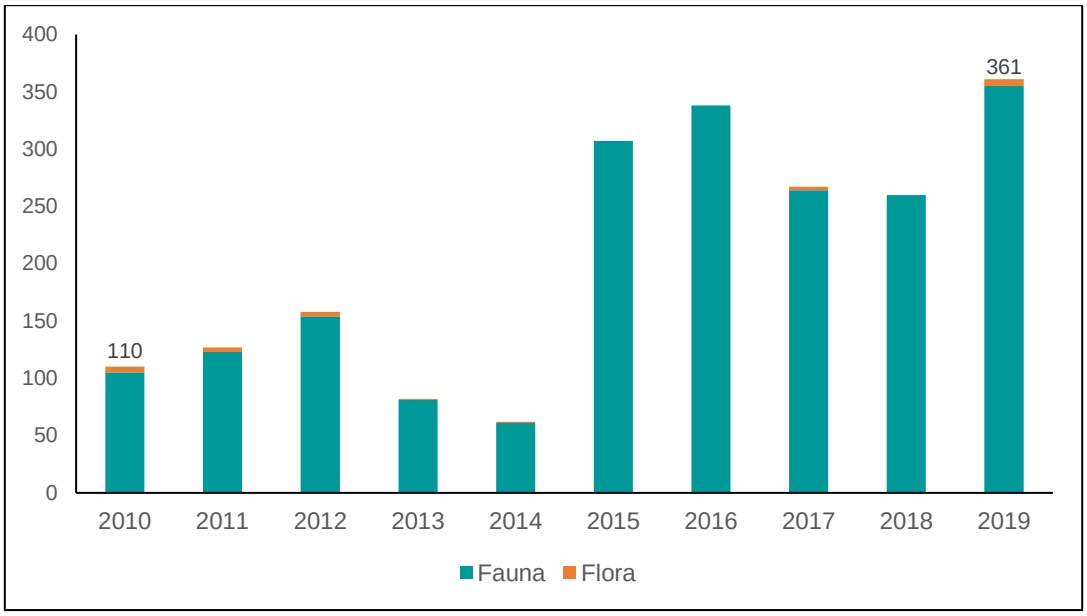
Source: Biodiversity Management Bureau

The number of export permits for species listed in the Convention on International Trade of Endangered Species (CITES) declined in 2019 compared to its level in 2010. The highest number of export permits were issued in 2012, which was followed by a large decrease in 2013 and registered its lowest in 2014. Issuance of CITES export permits again picked up in 2015 (Figure 2.11). On the other hand, the number of CITES import permits issued increased in 2019 compared to its level in 2010 (Figure 2.12). Similar to exports, import permits declined in 2013; import permits had the lowest value in 2014, but increased in 2015.

2.5 Water Resources

Under the water resources subcomponent, statistics are consequential in the compilation of the water asset and flow accounts. In addition, these statistics also serve as an input in calculating indicator 6.4.2 – Level of water stress: freshwater withdrawal as a proportion of available freshwater resources under SDG 6: Clean and Affordable Water.

Figure 2.12 Number of CITES Import Permits Issued, from 2010 to 2019

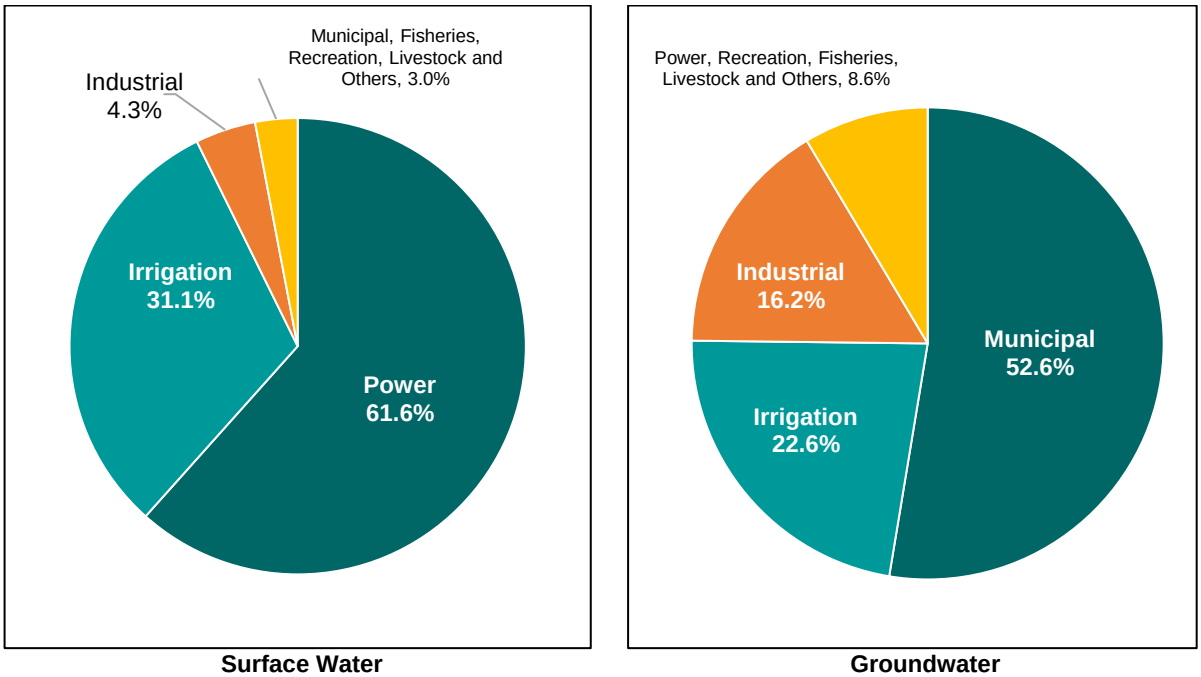


Source: Biodiversity Management Bureau

For this subcomponent, the summary of water allocation and issued permits from the National Water Resources Board (NWRB) were provided. The summary shows the allocation as of 2019 of water for each type of use disaggregated by source of either surface water or groundwater.

The most number of permits for both surface and groundwater were issued for irrigation purposes. However, power generation had the largest allocation of water, with over 116.82 million cubic meters or 57.6 percent of the average total water allocation, as shown in Figure 2.11.

Figure 2.13 Percent Distribution of Surface Water and Groundwater as of 2019



Surface Water **Groundwater**

Source: National Water Resources Board

Aside from power generation, the second largest surface water allocation goes to irrigation and industrial uses. For groundwater, the municipal use was allocated 52.6 percent or 2.24 million cubic meters of the total groundwater allocation.

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Statistical Tables

Environmental Resources and Their Use

Table 2.1.1
METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES
as of 2019

Region	Silver				Gold				Bauxite			
	Total Resource		Total Reserve		Total Resource		Total Reserve		Total Resource		Total Reserve	
	Weight (metric tons)	Ave. Grade (g/t)	Weight (metric tons)	Ave. Grade (g/t)	Weight (metric tons)	Ave. Grade (g/t)	Weight (metric tons)	Ave. Grade (g/t)	Weight (metric tons)	Ave. Grade ($\%Al_2O_3$)	Weight (metric tons)	Ave. Grade ($\%Al_2O_3$)
Philippines	**35,050,898.0**		**1,700,992,301.0**		**5,570,928,986.2**		**1,918,556,359.2**		**117,600,000.0**		**-**	**-**
CAR	16,000.0	7.2	-	-	471,416,047.0	0.6	61,096,932.0	0.8	-	-	-	-
I	-	-	-	-	-	-	-	-	-	-	-	-
II	-	-	-	-	36,009,000.0	1.6	53,890,000.0	1.1	-	-	-	-
III	-	-	-	-	-	-	-	-	-	-	-	-
IV-A	5,974,000.0	4.2	-	-	12,255,280.0	2.1	-	-	-	-	-	-
IV-B	-	-	1,694,270,000.0	1.2	-	-	1,694,270,000.0	0.1	-	-	-	-
V	17,283,135.0	8.0	-	-	203,139,153.0	1.6	85,692,006.0	0.9	-	-	-	-
VI	-	-	-	-	375,400,000.0	2.3	-	-	-	-	-	-
VII	-	-	-	-	-	-	-	-	-	-	-	-
VIII	-	-	-	-	-	-	-	-	117,600,000.0	42.2	-	-
IX	2,509,363.0	46.2	559,810.0	68.2	30,540,083.0	1.0	559,810.0	2.5	-	-	-	-
X	-	-	-	-	1,073,000.0	5.3	-	-	-	-	-	-
XI	-	-	-	-	893,206,288.0	1.5	1,547,856.0	6.6	-	-	-	-
XII	4,550,400.0	7.8	2,131,491.0	5.5	2,942,275,254.2	0.2	-	-	-	-	-	-
Caraga	4,718,000.0	7.6	4,031,000.0	7.2	605,614,881.0	0.9	21,499,755.2	1.1	-	-	-	-

- no available data

Source: Mines and Geosciences Bureau

Table 2.1.1
METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES (continued)
as of 2019

Region	Chromite				Copper				Iron			
	Total Resource		Total Reserve		Total Resource		Total Reserve		Total Resource		Total Reserve	
	Weight (metric tons)	Ave. Grade (% Cr_2O_3)	Weight (metric tons)	Ave. Grade (% Cr_2O_3)	Weight (metric tons)	Ave. Grade (% Cu)	Weight (metric tons)	Ave. Grade (% Cu)	Weight (metric tons)	Ave. Grade (% Fe)	Weight (metric tons)	Ave. Grade (% Fe)
Philippines	**121,374,515.1**		**41,959,271.0**		**8,519,555,460.0**		**2,011,808,633.0**		**970,342,809.7**		**41,655,871.0**	
CAR	-	-	-	-	1,208,973,845.0	0.4	59,120,000.0	0.4	-	-	-	-
I	-	-	-	-	-	-	-	-	-	-	-	-
II	-	-	-	-	10,400,000.0	0.4	43,100,000.0	0.4	-	-	-	-
III	43,625,396.1	20.5	-	-	79,449,000.0	0.4	-	-	1,057,450.0	64.1	-	-
IV-A	-	-	-	-	-	-	-	-	-	-	-	-
IV-B	4,350,860.0	37.6	-	-	-	-	1,694,270,000.0	0.4	-	-	-	-
V	2,339,890.0	21.7	-	-	18,006,890.0	1.5	-	-	12,251,000.0	41.0	-	-
VI	-	-	-	-	477,510,000.0	0.4	-	-	-	-	-	-
VII	150,000.0	48.0	-	-	571,500,000.0	0.3	210,000,000.0	0.3	-	-	-	-
VIII	62,508,987.0	5.4	36,337,238.0	4.3	34,525,000.0	0.7	-	-	955,209,390.7	9.2	36,337,238.0	65.6
IX	2,632,710.0	37.8	-	-	70,419,528.0	1.2	-	-	-	-	-	-
X	2,706,870.0	16.7	-	-	-	-	-	-	-	-	-	-
XI	842,300.0	43.5	-	-	528,362,689.0	0.4	-	-	-	-	-	-
XII	-	-	-	-	4,947,669,001.0	1.0	-	-	-	-	-	-
Caraga	2,217,502.0	26.4	5,622,033.0	1.6	572,739,507.0	2.3	5,318,633.0	-	1,824,969.0	73.1	5,318,633.0	-

- no available data

Source: Mines and Geosciences Bureau

Table 2.1.1
METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES (concluded)
as of 2019

Region	Iron Associated with Nickel				Manganese				Nickel				Zinc			
	Total Resource		Total Reserve		Total Resource		Total Reserve		Total Resource		Total Reserve		Total Resource		Total Reserve	
	Weight (metric tons)	Ave. Grade (% Fe)	Weight (metric tons)	Ave. Grade (% Fe)	Weight (metric tons)	Ave. Grade (% Mn)	Weight (metric tons)	Ave. Grade (% Mn)	Weight (metric tons)	Ave. Grade (% Ni)	Weight (metric tons)	Ave. Grade (% Ni)	Weight (metric tons)	Ave. Grade (% Zn)	Weight (metric tons)	Ave. Grade (% Zn)
Philippines	**1,078,089,208.1**		**666,824,309.1**		**248,500.0**		**-**	**-**	**1,887,809,138.3**		**715,870,940.2**		**11,552,933.0**		**-**	**-**
CAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II	89,820,000.0	28.6	35,700,000.0	39.1	-	-	-	-	89,820,000.0	1.2	35,700,000.0	1.4	-	-	-	-
III	-	-	10,017,351.9	22.6	-	-	-	-	64,211,727.0	1.4	52,109,463.9	1.2	-	-	-	-
IV-A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IV-B	56,984,000.0	23.1	28,687,000.0	24.0	-	-	-	-	218,341,195.2	1.4	44,784,816.2	1.3	-	-	-	-
V	-	-	-	-	-	-	-	-	2,500,000.0	0.6	-	-	11,217,248.0	2.7	-	-
VI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII	23,470,163.1	49.2	18,109,544.6	49.3	-	-	-	-	46,470,163.1	0.5	21,099,834.6	0.6	-	-	-	-
IX	-	-	-	-	248,500.0	44.3	-	-	-	-	-	-	335,685.0	18.8	-	-
X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI	122,514,966.0	25.2	69,567,184.0	27.0	-	-	-	-	329,263,815.0	1.3	69,567,184.0	1.3	-	-	-	-
XII	-	-	-	-	-	-	-	-	327,000,000.0	0.9	-	-	-	-	-	-
Caraga	785,300,079.0	35.8	504,743,228.5	32.9	-	-	-	-	810,202,238.0	1.2	492,609,641.5	1.0	-	-	-	-

- no available data

Source: Mines and Geosciences Bureau

Table 2.1.2
NON-METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES
as of 2019
in metric tons

Region	Aggregates		Asbestos		Bentonite		Clay		Diatomaceous Earth		Feldspar	
	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve
Philippines	**1,666,441,274.5**	**133,237,559.4**	**5,000.0**	**-**	**1,142,324.5**	**356,874.0**	**60,747,390.9**	**-**	**910,600.0**	**-**	**21,600,280.0**	**-**
CAR	20,761,750.0	173,509.0	-	-	-	-	-	-	-	-	-	-
I	-	-	-	-	-	356,874.0	7,387,565.0	-	-	-	21,100,280.0	-
II	-	-	-	-	-	-	-	-	-	-	-	-
III	14,231,908.0	-	-	-	-	-	-	-	-	-	-	-
IV-A	1,503,436,824.5	130,329,030.4	-	-	-	-	966,300.0	-	-	-	-	-
IV-B	-	-	-	-	-	-	108,320.0	-	-	-	500,000.0	-
V	19,629,520.0	-	-	-	320,000.0	-	37,650,740.0	-	758,600.0	-	-	-
VI	1,282,120.0	-	-	-	-	-	7,984,700.0	-	-	-	-	-
VII	72,168,362.0	2,735,020.0	-	-	13,500.0	-	4,675,265.9	-	-	-	-	-
VIII	27,600.0	-	-	-	565,370.0	-	-	-	-	-	-	-
IX	-	-	5,000.0	-	-	-	1,000.0	-	-	-	-	-
X	4,660,800.0	-	-	-	209,574.5	-	138,300.0	-	152,000.0	-	-	-
XI	908,190.0	-	-	-	33,880.0	-	830,000.0	-	-	-	-	-
XII	-	-	-	-	-	-	1,005,200.0	-	-	-	-	-
Caraga	29,334,200.0	-	-	-	-	-	-	-	-	-	-	-

- no available data

Source: Mines and Geosciences Bureau

Table 2.1.2
NON-METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES (continued)
as of 2019
in metric tons

Region	Guano		Gypsum		ISAG		Limestone		Magnesite	
	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve
Philippines	**500.0**	**-**	**358,900.0**	**-**	**4,157,888.6**	**1,011,331.0**	**58,660,622,604.4**	**2,311,765,384.2**	**79,072,940.0**	**-**
CAR	-	-	-	-	466,347.1	138,347.0	185,953,361.0	-	-	-
I	-	-	-	-	-	-	1,417,082,528.0	11,266,000.0	-	-
II	-	-	-	-	-	-	-	-	-	-
III	-	-	-	-	3,025,549.4	-	2,669,664,344.0	595,152,037.1	-	-
IV-A	-	-	347,900.0	-	-	-	4,397,401,336.0	15,780,483.0	-	-
IV-B	-	-	-	-	-	-	1,762,597,286.0	710,598.0	-	-
V	-	-	11,000.0	-	-	-	1,882,105,687.0	91,316,625.0	-	-
VI	500.0	-	-	-	-	-	1,664,884,190.0	-	-	-
VII	-	-	-	-	144,424.0	872,984.0	8,466,009,170.0	1,393,581,639.0	-	-
VIII	-	-	-	-	521,568.1	-	34,106,010,000.0	-	-	-
IX	-	-	-	-	-	-	-	-	-	-
X	-	-	-	-	-	-	1,706,456,723.4	152,908,576.5	-	-
XI	-	-	-	-	-	-	205,503,183.0	7,146,263.6	79,072,940.0	-
XII	-	-	-	-	-	-	10,002,433.0	-	-	-
Caraga	-	-	-	-	-	-	186,952,363.0	43,903,162.0	-	-

- no available data

Source: Mines and Geosciences Bureau

Table 2.1.2
NON-METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES (concluded)
as of 2019
in metric tons

Region	Marbleized Limestone		MgO		Perlite		Pozzolan		Rock Phosphate	
	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve
Philippines	**1,571,404,450.2**	**18,106,081.1**	**1,120,000,000.0**	**-**	**7,963,693.8**	**620,046.0**	**5,061,578.8**	**-**	**171,500.0**	**-**
CAR	-	-	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-	-	-
II	-	-	-	-	-	-	-	-	-	-
III	-	-	-	-	-	-	-	-	-	-
IV-A	85,264,225.3	18,106,081.1	-	-	-	-	4,565,078.8	-	-	-
IV-B	479,200,610.0	-	-	-	-	-	-	-	-	-
V	16,442,310.0	-	-	-	7,963,693.8	620,046.0	-	-	-	-
VI	-	-	-	-	-	-	-	-	171,500.0	-
VII	617,735,504.9	-	-	-	-	-	496,500.0	-	-	-
VIII	283,760,800.0	-	-	-	-	-	-	-	-	-
IX	-	-	-	-	-	-	-	-	-	-
X	-	-	-	-	-	-	-	-	-	-
XI	89,001,000.0	-	-	-	-	-	-	-	-	-
XII	-	-	1,120,000,000.0	-	-	-	-	-	-	-
Caraga	-	-	-	-	-	-	-	-	-	-

- no available data

Source: Mines and Geosciences Bureau

Table 2.1.2
NON-METALLIC MINERALS RESOURCE/RESERVE INVENTORY OF THE PHILIPPINES (concluded)
as of 2019
in metric tons

Region	Shale		Silica		Sulfur		Talc		Zeolite	
	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve	Resource	Reserve
Philippines	**1,677,992,904.0**	**157,115,846.4**	**1,390,565,579.1**	**139,117,392.5**	**39,930,800.0**	**-**	**254,400.0**	**-**	**-**	**643,219.0**
CAR	27,300,000.0	-	4,432,760.4	-	-	-	-	-	-	-
I	287,284,359.0	7,641,000.0	11,055,572.0	4,698,618.0	-	-	-	-	-	643,219.0
II	-	-	-	-	-	-	-	-	-	-
III	141,432,393.0	72,858,430.0	6,435,000.0	-	-	-	-	-	-	-
IV-A	241,834,280.0	25,400,000.0	473,629,597.7	56,493,925.5	-	-	-	-	-	-
IV-B	-	-	160,243,070.0	-	80,000.0	-	254,400.0	-	-	-
V	-	-	8,229,031.0	-	22,998,500.0	-	-	-	-	-
VI	7,000,000.0	-	44,173,040.0	-	1,557,000.0	-	-	-	-	-
VII	643,885,000.0	-	590,573,397.0	-	10,372,300.0	-	-	-	-	-
VIII	-	-	-	-	-	-	-	-	-	-
IX	-	-	6,500,000.0	-	-	-	-	-	-	-
X	291,295,979.0	46,786,416.4	1,040,000.0	-	-	-	-	-	-	-
XI	17,960,893.0	4,430,000.0	10,752,465.0	4,430,000.0	-	-	-	-	-	-
XII	-	-	-	-	4,923,000.0	-	-	-	-	-
Caraga	20,000,000.0	-	73,501,646.0	73,494,849.0	-	-	-	-	-	-

Table 2.2
MINERAL PRODUCTION BY MINERAL
2010 to 2019

Mineral/Mineral Product	Unit Used	2010	2011	2012	2013	2014
Metallics						
Gold	kg	40,846.8	31,120.2	14,566.1	17,248.1	18,423.2
Silver	kg	41,003.5	45,809.4	49,210.8	40,043.0	23,004.5
Copper Concentrate	DMT	236,813.7	253,975.5	268,045.8	376,105.6	349,268.6
Nickel Mixed Sulfides	DMT	33,539.0	38,798.0	41,383.0	45,624.2	87,279.5
Nickel Direct Shipping Ore	DMT	13,763,733.9	20,683,132.4	25,270,821.7	29,085,191.3	34,334,891.8
Zinc Concentrate	DMT	19,818.6	37,354.4	40,205.4	37,251.6	
Chromite	DMT	14,807.3	25,483.4	36,628.5	26,164.0	47,056.0
Iron Ore	DMT		292,607.7	1,148,232.0	793,130.3	153,774.8
Scandium Oxalate	DRY-KG					
Non-metallics						
Cement	bags	46,423,055.4	151,964,143.8	292,892,596.5	350,006,105.9	433,616,731.7
Silica	MT	247,876.8	406,193.6	521,137.0	299,439.2	147,318.9
Sand and Gravel	cu.m.	20,206,472.7	14,108,958.9	9,278,808.5	21,255,751.5	14,051,893.7
Cement Raw Materials						
Limestone for cement manufacturing	MT	18,925,217.8	17,939,904.4	35,649,720.4	49,701,070.8	50,817,128.6
Shale	MT	1,440,270.9	683,166.3	1,762,019.5	1,779,118.7	1,892,164.8
Silica Sand	MT	121,496.9	90,372.2	9,056.1	40,421.7	229,677.6

Table 2.2
MINERAL PRODUCTION BY MINERAL (concluded)
2010 to 2019

Mineral/Mineral Product	Unit Used	2015	2016	2017	2018	2019
Metallics						
Gold	kg	21,314.0	23,053.4	22,748.7	20,764.8	20,646.4
Silver	kg	29,952.4	35,186.5	31,736.8	29,781.8	31,266.5
Copper Concentrate	DMT	337,185.0	335,665.0	280,393.6	282,391.3	296,996.8
Nickel Mixed Sulfides	DMT	89,469.9	83,838.7	87,611.8	84,513.6	88,813.8
Nickel Direct Shipping Ore	DMT	33,448,137.9	29,279,106.3	27,085,778.0	25,923,000.2	26,212,124.4
Zinc Concentrate	DMT					
Chromite	DMT	15,501.9	25,744.8	20,849.2	50,650.0	36,422.6
Iron Ore	DMT	107,118.6	17,088.3			
Scandium Oxalate	DRY-KG				4,515.2	12,854.1
Non-metallics						
Cement	bags	416,056,437.4	301,080,754.9	354,356,921.3	253,098,210.5	168,531,245.6
Silica	MT	361,060.0	377,260.6	345,779.6	1,021,041.2	1,004,115.6
Sand and Gravel	cu.m.	12,760,045.8	13,547,679.3	17,613,302.5	29,442,069.3	25,495,885.0
Cement Raw Materials						
Limestone for cement	MT	66,680,217.9	67,150,626.0	69,368,180.4	19,676,111.4	16,973,802.8
Shale	MT	2,976,649.2	2,894,452.1	2,316,233.6	2,360,912.9	2,728,902.5
Silica Sand	MT	77,381.0	124,333.0	160,848.5	221,523.8	220,641.0

Note: Details may not add up to totals because of rounding off.
Blank cell means no data available

Source: Mines and Geosciences Bureau

Table 2.3.1
PHYSICAL ASSET ACCOUNTS FOR NICKEL
2013 to 2018
In metric tons (ore)

TOTAL PHILIPPINES	2013	2014	2015	2016	2017	2018
Opening stock	2,048,766,179	2,019,680,987	1,985,346,094	1,991,258,744	1,961,942,527	1,957,417,446
Additions to stock						
Discoveries	-	-	23,000,000	-	-	-
Upward reappraisals	-	-	16,360,789	-	25,675,593	143,378,782
Reclassifications	164,011,718	134,296,509	91,124,523	100,594,694	28,433,391	-
Total additions to stock	*164,011,718*	*134,296,509*	*130,485,312*	*100,594,694*	*54,108,984*	*143,378,782*
Reductions to stock						
Extractions	29,085,192	34,334,893	33,448,139	29,279,109	27,085,778	25,907,453
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	37,107	3,114,897	24,091,995
Reclassifications	164,011,718	134,296,509	91,124,523	100,594,694	28,433,391	-
Total reductions to stock	193,096,910	168,631,402	124,572,662	129,910,910	58,634,066	49,999,448
Closing stock	2,019,680,987	1,985,346,094	1,991,258,744	1,961,942,527	1,957,417,446	2,050,796,780

Note: *"-" means zero*

Class A	2013	2014	2015	2016	2017	2018
Opening stock	1,105,678,395	1,030,890,697	974,930,499	917,783,328	853,464,590	852,743,654
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	16,360,789	-	25,675,593	143,378,782
Reclassifications	59,154,606	3,907,046	25,532,351	-	3,578,674	-
Total additions to stock	*59,154,606*	*3,907,046*	*41,893,140*	-	*29,254,267*	*143,378,782*
Reductions to stock						
Extractions	29,085,192	34,334,893	33,448,139	29,279,109	27,085,778	25,907,453
Catastrophic losses						
Downward reappraisals	-	-	-	37,107	2,889,425	24,091,995
Reclassifications	104,857,112	25,532,351	65,592,172	35,002,522	-	-
Total reductions to stock	133,942,304	59,867,244	99,040,311	64,318,738	29,975,203	49,999,448
Closing stock	1,030,890,697	974,930,499	917,783,328	853,464,590	852,743,654	946,122,988

Note: *"-" means zero*

Class B	2013	2014	2015	2016	2017	2018
Opening stock	63,061,652	108,764,158	25,532,351	65,592,172	28,433,391	-
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-
Reclassifications	104,857,112	25,532,351	65,592,172	28,433,391	-	-
Total additions to stock	*104,857,112*	*25,532,351*	*65,592,172*	*28,433,391*	-	-
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses						
Downward reappraisals	-	-	-	-	-	-
Reclassifications	59,154,606	108,764,158	25,532,351	65,592,172	28,433,391	-
Total reductions to stock	59,154,606	108,764,158	25,532,351	65,592,172	28,433,391	-
Closing stock	108,764,158	25,532,351	65,592,172	28,433,391	-	-

Note: *"-" means zero*

Class C	2013	2014	2015	2016	2017	2018
Opening stock	880,026,132	880,026,132	984,883,244	1,007,883,244	1,080,044,547	1,104,673,792
Additions to stock						
Discoveries	-	-	23,000,000	-	-	-
Upward reappraisals	-	-	-	-	-	-
Reclassifications	-	104,857,112	-	72,161,303	24,854,717	-
Total additions to stock	-	*104,857,112*	*23,000,000*	*72,161,303*	*24,854,717*	-
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses						
Downward reappraisals	-	-	-	-	225,472	-
Reclassifications	-	-	-	-	-	-
Total reductions to stock	-	-	-	-	225,472	-
Closing stock	880,026,132	984,883,244	1,007,883,244	1,080,044,547	1,104,673,792	1,104,673,792

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.3.2
PHYSICAL ASSET ACCOUNTS FOR GOLD
2013 to 2018
In kilograms (metal content)

TOTAL PHILIPPINES	2013	2014	2015	2016	2017	2018
Opening stock	4,651,875	4,854,772	4,858,708	4,840,372	4,831,120	4,886,556
Additions to stock						
Discoveries	219,314	-	-	5,199	649	-
Upward reappraisals	-	22,810	8,644	7,412	81,222	27,356
Reclassifications	23,610	23,752	394,192	20,224	19	-
Total additions to stock	*242,924*	*46,563*	*402,836*	*32,835*	*81,889*	*27,356*
Reductions to stock						
Extractions	16,417	17,451	20,306	21,863	21,965	19,888
Catastrophic losses						
Downward reappraisals	-	1,423	6,674	-	4,470	5
Reclassifications	23,610	23,752	394,192	20,224	19	-
Total reductions to stock	*40,027*	*42,626*	*421,172*	*42,087*	*26,454*	*19,893*
Closing stock	4,854,772	4,858,708	4,840,372	4,831,120	4,886,556	4,894,020

Note: *"-" means zero*

Class A	2013	2014	2015	2016	2017	2018
Opening stock	582,643	542,616	546,444	584,591	583,574	641,396
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	22,810	3,838	660	79,787	27,020
Reclassifications	-	-	61,288	20,205	-	-
Total additions to stock	*-*	*22,810*	*65,126*	*20,865*	*79,787*	*27,020*
Reductions to stock						
Extractions	16,417	17,451	20,306	21,863	21,965	19,888
Catastrophic losses						
Downward reappraisals	-	1,389	6,674	-	-	-
Reclassifications	23,610	142	-	19	-	-
Total reductions to stock	*40,027*	*18,982*	*26,980*	*21,882*	*21,965*	*19,888*
Closing stock	542,616	546,444	584,591	583,574	641,396	648,528

Note: *"-" means zero*

Class B	2013	2014	2015	2016	2017	2018
Opening stock	1,043,716	1,067,326	1,043,858	1,315,189	1,295,003	1,290,514
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-
Reclassifications	23,610	142	332,762	19	-	-
Total additions to stock	*23,610*	*142*	*332,762*	*19*	*-*	*-*
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses						
Downward reappraisals	-	-	0	-	4,470	-
Reclassifications	-	23,610	61,430	20,205	19	-
Total reductions to stock	*-*	*23,610*	*61,430*	*20,205*	*4,489*	*-*
Closing stock	1,067,326	1,043,858	1,315,189	1,295,003	1,290,514	1,290,514

Note: *"-" means zero*

Class C	2013	2014	2015	2016	2017	2018
Opening stock	3,025,516	3,244,830	3,268,406	2,940,592	2,952,544	2,954,646
Additions to stock						
Discoveries	219,314	-	-	5,199	649	-
Upward reappraisals	-	-	4,806	6,753	1,435	336
Reclassifications	-	23,610	142	-	19	-
Total additions to stock	*219,314*	*23,610*	*4,948*	*11,951*	*2,102*	*336*
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses						
Downward reappraisals	-	34	-	-	-	5
Reclassifications	-	-	332,762	-	-	-
Total reductions to stock	*-*	*34*	*332,762*	*-*	*-*	*5*
Closing stock	3,244,830	3,268,406	2,940,592	2,952,544	2,954,646	2,954,977

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.3.3
PHYSICAL ASSET ACCOUNTS FOR COPPER
2013 to 2018
In metric tons (metal content)

TOTAL PHILIPPINES	2013	2014	2015	2016	2017	2018
Opening stock	1,135,380,761	1,135,413,171	1,135,321,347	1,135,276,423	1,135,192,774	1,135,124,618
Additions to stock						
Discoveries	123,270	-	-	-	-	-
Upward reappraisals	-	-	45,070	-	-	57,483
Reclassifications	4,853,794	4,895,060	132,071,267	-	132,170,329	-
Total additions to stock	*4,977,064*	*4,895,060*	*132,116,337*	-	*132,170,329*	*57,483*
Reductions to stock						
Extractions	90,860	91,824	83,835	83,649	68,156	69,933
Catastrophic losses						
Downward reappraisals	-	-	6,159	-	-	-
Reclassifications	4,853,794	4,895,060	132,071,267	-	132,170,329	-
Total reductions to stock	*4,944,654*	*4,986,884*	*132,161,261*	*83,649*	*132,238,485*	*69,933*
Closing stock	1,135,413,171	1,135,321,347	1,135,276,423	1,135,192,774	1,135,124,618	1,135,112,167

Note: *"-" means zero*

Class A	2013	2014	2015	2016	2017	2018
Opening stock	9,196,226	4,251,573	4,118,482	4,028,488	3,944,839	135,766,354
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	54,537
Reclassifications	-	-	-	-	132,030,000	-
Total additions to stock	-	-	-	-	*132,030,000*	*54,537*
Reductions to stock						
Extractions	90,860	91,824	83,835	83,649	68,156	69,933
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	6,159	-	-	-
Reclassifications	4,853,794	41,267	-	-	140,329	-
Total reductions to stock	*4,944,654*	*133,091*	*89,994*	*83,649*	*208,485*	*69,933*
Closing stock	4,251,573	4,118,482	4,028,488	3,944,839	135,766,354	135,750,958

Note: *"-" means zero*

Class B	2013	2014	2015	2016	2017	2018
Opening stock	-	4,853,794	41,267	268,826,760	268,826,760	136,937,089
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-
Reclassifications	4,853,794	41,267	268,826,760	-	140,329	-
Total additions to stock	*4,853,794*	*41,267*	*268,826,760*	-	*140,329*	-
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-
Reclassifications	-	4,853,794	41,267	-	132,030,000	-
Total reductions to stock	-	*4,853,794*	*41,267*	-	*132,030,000*	-
Closing stock	4,853,794	41,267	268,826,760	268,826,760	136,937,089	136,937,089

Note: *"-" means zero*

Class C	2013	2014	2015	2016	2017	2018
Opening stock	1,126,184,534	1,126,307,804	1,131,161,598	862,421,175	862,421,175	862,421,175
Additions to stock						
Discoveries	123,270	-	-	-	-	-
Upward reappraisals	-	-	45,070	-	-	2,946
Reclassifications	-	4,853,794	41,267	-	-	-
Total additions to stock	*123,270*	*4,853,794*	*86,337*	-	-	*2,946*
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-
Reclassifications	-	-	268,826,760	-	-	-
Total reductions to stock	-	-	*268,826,760*	-	-	-
Closing stock	1,126,307,804	1,131,161,598	862,421,175	862,421,175	862,421,175	862,424,120

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.3.4
PHYSICAL ASSET ACCOUNTS FOR CHROMITE
2013 to 2018
In metric tons (ore)

TOTAL PHILIPPINES	2013	2014	2015	2016	2017	2018
Opening stock	40,361,693	40,335,529	40,288,473	40,272,971	40,247,226	44,904,050
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	4,677,673	-
Reclassifications	500,000	500,000	-	5,108,992	5,108,992	-
Total additions to stock	*500,000*	*500,000*	-	*5,108,992*	*9,786,665*	-
Reductions to stock						
Extractions	26,164	47,056	15,502	25,745	20,849	45,011
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-
Reclassifications	500,000	500,000	-	5,108,992	5,108,992	-
Total reductions to stock	*526,164*	*547,056*	*15,502*	*5,134,737*	*5,129,841*	*45,011*
Closing stock	40,335,529	40,288,473	40,272,971	40,247,226	44,904,050	44,859,039

Note: *"-" means zero*

Class A	2013	2014	2015	2016	2017	2018
Opening stock	9,108,853	8,582,689	8,535,633	8,520,131	3,385,394	3,364,545
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-
Reclassifications	-	-	-	-	-	-
Total additions to stock	-	-	-	-	-	-
Reductions to stock						
Extractions	26,164	47,056	15,502	25,745	20,849	45,011
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-
Reclassifications	500,000	-	-	5,108,992	-	-
Total reductions to stock	*526,164*	*47,056*	*15,502*	*5,134,737*	*20,849*	*45,011*
Closing stock	8,582,689	8,535,633	8,520,131	3,385,394	3,364,545	3,319,534

Note: *"-" means zero*

Class B	2013	2014	2015	2016	2017	2018
Opening stock	-	500,000	-	-	5,108,992	-
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-
Reclassifications	500,000	-		5,108,992	-	-
Total additions to stock	*500,000*	-	-	*5,108,992*	-	-
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-
Reclassifications	-	500,000	-		5,108,992	-
Total reductions to stock	-	*500,000*	-	-	*5,108,992*	-
Closing stock	500,000	-	-	5,108,992	-	-

Note: *"-" means zero*

Class C	2013	2014	2015	2016	2017	2018
Opening stock	31,252,840	31,252,840	31,752,840	31,752,840	31,752,840	41,539,505
Additions to stock						
Discoveries	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	4,677,673	-
Reclassifications	-	500,000	-	-	5,108,992	-
Total additions to stock	-	*500,000*	-	-	*9,786,665*	-
Reductions to stock						
Extractions	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-
Reclassifications	-		-	-	-	-
Total reductions to stock	-	-	-	-	-	-
Closing stock	31,252,840	31,752,840	31,752,840	31,752,840	41,539,505	41,539,505

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.4.1
PHYSICAL ASSET ACCOUNTS FOR COAL
2010 to 2017
In million metric tons

PHILIPPINES

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	443.19	436.07	428.81	421.07	413.45	405.21	400.80	609.62
Additions to stock								
Discoveries	0.14	0.13	0.13	0.11	0.12	3.76	220.90	0.11
Upward reappraisals	0.07	0.23	0.22	0.13	0.05	-	0.01	0.02
Reclassifications	-	-	-	-	-	-	-	-
Total additions to stock	0.20	0.35	0.35	0.24	0.17	3.77	220.91	0.13
Reductions to stock								
Extractions	7.33	7.61	8.08	7.86	8.42	8.17	12.09	13.28
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	-	-	-	-	-	-	-
Total reductions to stock	7.33	7.61	8.08	7.86	8.42	8.17	12.09	13.28
Closing stock	436.07	428.81	421.07	413.45	405.21	400.80	609.62	596.46

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.4.2
PHYSICAL ASSET ACCOUNTS FOR OIL
2010 to 2017
In barrels

PHILIPPINES

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	144,808,884	141,904,450	141,034,665	139,577,348	139,224,109	138,959,885	149,818,163	146,371,943
Additions to stock								
Discoveries	-	-	-	-	-	-	-	27,930,000
Upward reappraisals	105,709	1,455,805	180,231	1,530,595	2,814,460	17,313,535	109,293	48,931
Reclassifications	-	-	-	-	-	-	-	-
Total additions to stock	*105,709*	*1,455,805*	*180,231*	*1,530,595*	*2,814,460*	*17,313,535*	*109,293*	*27,978,931*
Reductions to stock								
Extractions	3,010,143	2,325,590	1,637,548	1,883,834	3,078,684	2,409,746	2,013,556	1,586,608
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	4,045,511	1,541,957	-
Reclassifications	-	-	-	-	-	-	-	-
Total reductions to stock	*3,010,143*	*2,325,590*	*1,637,548*	*1,883,834*	*3,078,684*	*6,455,257*	*3,555,513*	*1,586,608*
Closing stock	141,904,450	141,034,665	139,577,348	139,224,109	138,959,885	149,818,163	146,371,943	172,764,267

CLASS A

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	6,668,709	3,915,869	3,046,084	1,588,767	1,235,528	971,304	11,829,582	8,383,362
Additions to stock								
Discoveries	-	-	-	-	-	-	-	-
Upward reappraisals	105,709	1,455,805	180,231	1,530,595	2,814,460	17,313,535	109,293	48,931
Reclassifications								
Total additions to stock	*105,709*	*1,455,805*	*180,231*	*1,530,595*	*2,814,460*	*17,313,535*	*109,293*	*48,931*
Reductions to stock								
Extractions	2,858,549	2,325,590	1,637,548	1,883,834	3,078,684	2,409,746	2,013,556	1,586,608
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	4,045,511	1,541,957	-
Reclassifications								
Total reductions to stock	*2,858,549*	*2,325,590*	*1,637,548*	*1,883,834*	*3,078,684*	*6,455,257*	*3,555,513*	*1,586,608*
Closing stock	3,915,869	3,046,084	1,588,767	1,235,528	971,304	11,829,582	8,383,362	6,845,685

CLASS B

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	-	-	-	-	-	-	-	-
Additions to stock								
Discoveries	-	-	-	-	-	-	-	27,930,000
Upward reappraisals	-	-	-	-	-	-	-	-
Reclassifications								
Total additions to stock	-	-	-	-	-	-	-	*27,930,000*
Reductions to stock								
Extractions	-	-	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications								
Total reductions to stock	-	-	-	-	-	-	-	-
Closing stock	-	-	-	-	-	-	-	27,930,000

CLASS C

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	138,140,175	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581
Additions to stock								
Discoveries	-	-	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-	-	-
Reclassifications								
Total additions to stock	-	-	-	-	-	-	-	-
Reductions to stock								
Extractions	151,594	-	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications								
Total reductions to stock	*151,594*	-	-	-	-	-	-	-
Closing stock	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581	137,988,581

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.4.3
PHYSICAL ASSET ACCOUNTS FOR NATURAL GAS
2010 to 2017
In billion standard cubic feet

PHILIPPINES

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	1,712.68	1,582.67	1,442.31	1,307.74	1,183.80	1,053.45	930.91	790.39
Additions to stock								
Discoveries	-	-	-	-	-	-	-	9
Upward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	0.70	-	-	-	0.50	-	-
Total additions to stock	-	*0.70*	-	-	-	*0.50*	-	*9*
Reductions to stock								
Extractions	130.01	140.37	134.56	123.94	130.35	122.54	140.52	138.50
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	0.70	-	-	-	-	-	-
Total reductions to stock	*130.01*	*141.07*	*134.56*	*123.94*	*130.35*	*123.04*	*140.52*	*138.50*
Closing stock	1,582.67	1,442.31	1,307.74	1,183.80	1,053.45	930.91	790.39	661.13

CLASS A

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	1,349.28	1,219.27	1,079.61	945.04	821.10	690.75	567.71	427.19
Additions to stock								
Discoveries	-	-	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	0.70	-	-	-	-	-	-
Total additions to stock	-	*0.70*	-	-	-	-	-	-
Reductions to stock								
Extractions	130.01	140.37	134.56	123.94	130.35	122.54	140.52	138.50
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	-	-	-	-	-	-	-
Total reductions to stock	*130.01*	*140.37*	*134.56*	*123.94*	*130.35*	*123.04*	*140.52*	*138.50*
Closing stock	1,219.27	1,079.61	945.04	821.10	690.75	567.71	427.19	288.69

CLASS B

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	0.70	0.70	-	-	-	-	-	-
Additions to stock								
Discoveries	-	-	-	-	-	-	-	9.24
Upward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	-	-	-	-	-	-	-
Total additions to stock	-	-	-	-	-	-	-	*9.24*
Reductions to stock								
Extractions	-	-	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	0.70	-	-	-	-	-	-
Total reductions to stock	-	*0.70*	-	-	-	-	-	-
Closing stock	0.70	-	-	-	-	-	-	9.24

CLASS C

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	362.70	362.70	362.70	362.70	362.70	362.70	363.20	363.20
Additions to stock								
Discoveries	-	-	-	-	-	-	-	-
Upward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	-	-	-	-	0.50	-	-
Total additions to stock	-	-	-	-	-	*0.50*	-	-
Reductions to stock								
Extractions	-	-	-	-	-	-	-	-
Catastrophic losses	-	-	-	-	-	-	-	-
Downward reappraisals	-	-	-	-	-	-	-	-
Reclassifications	-	-	-	-	-	-	-	-
Total reductions to stock	-	-	-	-	-	-	-	-
Closing stock	362.70	362.70	362.70	362.70	362.70	363.20	363.20	363.20

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.4.4
PHYSICAL ASSET ACCOUNTS FOR CONDENSATE
2010 to 2017
In barrels

PHILIPPINES

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	75,781,947	70,887,104	65,815,077	61,220,961	57,137,250	52,964,520	49,218,111	45,071,909
Additions to stock								
Discoveries								
Upward reappraisals								
Reclassifications								
Total additions to stock	-	-	-	-	-	-	-	-
Reductions to stock								
Extractions	4,894,843	5,072,026	4,594,116	4,083,711	4,172,730	3,746,409	4,146,202	3,913,669
Catastrophic losses								
Downward reappraisals								
Reclassifications								
Total reductions to stock	*4,894,843*	*5,072,026*	*4,594,116*	*4,083,711*	*4,172,730*	*3,746,409*	*4,146,202*	*3,913,669*
Closing stock	70,887,104	65,815,077	61,220,961	57,137,250	52,964,520	49,218,111	45,071,909	41,158,240

CLASS A

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	75,581,947	70,687,104	65,615,077	61,020,961	56,937,250	52,764,520	49,018,111	44,871,909
Additions to stock								
Discoveries								
Upward reappraisals								
Reclassifications								
Total additions to stock	-	-	-	-	-	-	-	-
Reductions to stock								
Extractions	4,894,843	5,072,026	4,594,116	4,083,711	4,172,730	3,746,409	4,146,202	3,913,669
Catastrophic losses								
Downward reappraisals								
Reclassifications								
Total reductions to stock	*4,894,843*	*5,072,026*	*4,594,116*	*4,083,711*	*4,172,730*	*3,746,409*	*4,146,202*	*3,913,669*
Closing stock	70,687,104	65,615,077	61,020,961	56,937,250	52,764,520	49,018,111	44,871,909	40,958,240

CLASS B

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	-	-	-	-	-	-	-	-
Additions to stock								
Discoveries								
Upward reappraisals								
Reclassifications								
Total additions to stock	-	-	-	-	-	-	-	-
Reductions to stock								
Extractions								
Catastrophic losses								
Downward reappraisals								
Reclassifications								
Total reductions to stock	-	-	-	-	-	-	-	-
Closing stock	-	-	-	-	-	-	-	-

CLASS C

	2010	2011	2012	2013	2014	2015	2016	2017
Opening stock	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Additions to stock								
Discoveries								
Upward reappraisals								
Reclassifications								
Total additions to stock	-	-	-	-	-	-	-	-
Reductions to stock								
Extractions								
Catastrophic losses								
Downward reappraisals								
Reclassifications								
Total reductions to stock	-	-	-	-	-	-	-	-
Closing stock	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000

Note: *"-" means zero*

Source: Philippine Statistics Authority

Table 2.5.1
ENERGY BALANCE TABLE
2010
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	3,510.1	3,027.9	511.0	404.6	1,942.6	8,537.5	0.1
Imports (+)	5,787.8	-	-	8,950.9	-	-	-
Exports (-)	(2,163.4)	-	(511.0)	(351.1)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	(103.8)	-	-	(118.8)	-	-	-
Total Primary Energy Supply	**7,030.7**	**3,027.9**	**-**	**8,885.5**	**1,942.6**	**8,537.5**	**0.1**
Refinery (Crude Run)	-	-	-	(8,549.8)	-	-	-
Power Generation	(5,089.6)	(2,898.3)	-	-	(1,942.6)	(8,537.5)	(0.1)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(60.0)	-	(308.4)	-	-	-
Net Domestic Supply	**1,941.1**	**69.7**	**-**	**27.4**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**1,941.1**	**69.7**	**-**	**-**	**-**	**-**	**-**
Industry	1,841.2	69.3	-	-	-	-	-
Transport	-	0.4	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	99.9	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.2
ENERGY BALANCE TABLE
2011
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	3,647.9	3,269.2	529.5	312.6	2,414.1	8,548.9	0.1
Imports (+)	5,786.0	-	-	9,334.9	-	-	-
Exports (-)	(1,444.3)	-	(529.5)	(328.8)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	(263.4)	-	-	(115.2)	-	-	-
Total Primary Energy Supply	**7,726.3**	**3,269.2**	**-**	**9,203.4**	**2,414.1**	**8,548.9**	**0.1**
Refinery (Crude Run)	-	-	-	(9,055.2)	-	-	-
Power Generation	(5,785.3)	(3,102.8)	-	-	(2,414.1)	(8,548.9)	(0.1)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(88.7)	-	(257.1)	-	-	-
Net Domestic Supply	**1,941.0**	**77.7**	**-**	**(108.9)**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**1,941.0**	**77.7**	**-**	**-**	**-**	**-**	**-**
Industry	1,838.4	76.6	-	-	-	-	-
Transport	-	1.1	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	102.5	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.1 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
5.3	6,679.0	101.2	5.5	-	-	24,724.8
-	-	-	78.5	6,874.0	-	21,691.2
-	-	-	-	(914.9)	-	(3,940.3)
-	-	-	-	(182.9)	-	(182.9)
-	-	-	-	(988.9)	-	(988.9)
-	-	15.5	13.6	(63.9)	-	(257.4)
5.3	**6,679.0**	**116.7**	**97.6**	**4,723.4**	**-**	**41,046.4**
-	-	-	-	8,281.5	-	(268.3)
(5.3)	(9.2)	(6.5)	-	(1,479.9)	5,824.8	(14,144.3)
-	-	-	-	-	(670.7)	(670.7)
-	-	-	-	-	(402.1)	(770.5)
-	**6,669.8**	**110.2**	**97.6**	**11,524.9**	**4,752.0**	**25,192.7**
						100.4
						0.4
-	**6,669.8**	**110.2**	**97.6**	**11,451.9**	**4,752.0**	**25,092.2**
-	1,028.4	9.9	-	1,402.4	1,597.3	5,948.4
-	-	85.5	97.6	7,842.7	9.4	8,035.5
-	5,328.8	-	-	930.3	1,619.3	7,878.4
-	312.6	10.8	-	941.3	1,398.2	2,662.8
-	-	4.0	-	215.3	127.9	347.1
-	-	-	-	120.0	-	219.9
						60.2

Table 2.5.2 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
7.6	6,873.5	100.7	1.6	-	-	25,705.6
-	-	-	122.3	5,792.7	-	21,035.9
-	-	-	-	(1,091.8)	-	(3,394.4)
-	-	-	-	(212.2)	-	(212.2)
-	-	-	-	(1,070.7)	-	(1,070.7)
-	-	14.8	(15.8)	166.0	-	(213.5)
7.6	**6,873.5**	**115.6**	**108.1**	**3,584.0**	**-**	**41,850.7**
-	-	-	-	8,766.8	-	(288.4)
(7.6)	(40.7)	(1.4)	-	(795.3)	5,948.0	(14,748.2)
-	-	-	-	-	(660.3)	(660.3)
-	-	-	-	-	(464.2)	(810.0)
-	**6,832.8**	**114.1**	**108.1**	**11,555.6**	**4,823.5**	**25,343.9**
						161.7
						0.6
-	**6,832.8**	**114.1**	**108.1**	**11,285.0**	**4,823.5**	**25,182.2**
-	1,047.3	6.2	-	1,316.7	1,662.4	5,947.7
-	-	93.9	108.1	7,770.1	9.6	7,982.8
-	5,467.6	-	-	916.2	1,607.4	7,991.2
-	317.9	12.7	-	979.0	1,429.4	2,738.9
-	-	1.4	-	185.8	114.8	301.9
-	-	-	-	117.2	-	219.7
						61.4

Table 2.5.3
ENERGY BALANCE TABLE
2012
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	3,874.0	3,134.0	479.6	220.1	2,552.2	8,813.4	0.1
Imports (+)	6,278.4	-	-	8,542.8	-	-	-
Exports (-)	(1,674.6)	-	(479.6)	(188.3)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	(393.3)	-	-	108.2	-	-	-
Total Primary Energy Supply	**8,084.5**	**3,134.0**	**-**	**8,682.7**	**2,552.2**	**8,813.4**	**0.1**
Refinery (Crude Run)	-	-	-	(8,103.3)	-	-	-
Power Generation	(6,300.5)	(2,972.2)	-	-	(2,552.2)	(8,813.4)	(0.1)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(103.0)	-	(282.0)	-	-	-
Net Domestic Supply	**1,784.0**	**58.8**	**-**	**297.4**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**1,784.0**	**58.8**	**-**	**-**	**-**	**-**	**-**
Industry	1,670.8	57.6	-	-	-	-	-
Transport	-	1.2	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	113.2	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.4
ENERGY BALANCE TABLE
2013
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	3,747.4	2,886.7	426.3	253.2	2,494.2	8,258.5	0.1
Imports (+)	7,608.0	-	-	7,551.4	-	-	-
Exports (-)	(1,795.2)	-	(426.3)	(186.6)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	442.4	-	-	(50.7)	-	-	-
Total Primary Energy Supply	**10,002.6**	**2,886.7**	**-**	**7,567.3**	**2,494.2**	**8,258.5**	**0.1**
Refinery (Crude Run)	-	-	-	(7,532.7)	-	-	-
Power Generation	(7,806.5)	(2,714.4)	-	-	(2,494.2)	(8,258.5)	(0.1)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(109.3)	-	(223.7)	-	-	-
Net Domestic Supply	**2,196.2**	**62.9**	**-**	**(189.2)**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**2,196.2**	**62.9**	**-**	**-**	**-**	**-**	**-**
Industry	2,082.4	62.1	-	-	-	-	-
Transport	-	0.8	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	113.7	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.3 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
6.5	7,034.6	112.6	21.3	-	-	26,248.5
-	-	-	139.7	6,885.4	-	21,846.3
-	-	-	-	(626.2)	-	(2,968.7)
-	-	-	-	(181.0)	-	(181.0)
-	-	-	-	(1,081.9)	-	(1,081.9)
-	-	8.3	10.9	(73.6)	-	(339.6)
6.5	**7,034.6**	**120.9**	**171.9**	**4,922.7**	**-**	**43,523.6**
-	-	-	-	7,837.4	-	(265.9)
(6.5)	(67.8)	(3.8)	-	(970.6)	6,270.2	(15,416.9)
-	-	-	-	-	(718.9)	(718.9)
-	-	-	-	-	(460.1)	(845.2)
-	**6,966.8**	**117.1**	**171.9**	**11,789.5**	**5,091.2**	**26,276.8**
						502.7
						1.9
-	**6,966.8**	**117.1**	**171.9**	**11,584.2**	**5,091.2**	**25,774.1**
-	1,066.6	11.9	-	1,273.2	1,725.8	5,806.0
-	-	89.4	171.9	8,091.6	10.0	8,364.2
-	5,576.9	-	-	901.0	1,693.5	8,171.3
-	323.3	12.5	-	965.1	1,528.6	2,829.6
-	-	3.3	-	181.4	133.3	318.1
-	-	-	-	171.7	-	284.9
						60.3

Table 2.5.4 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
5.6	7,236.7	124.9	35.3	-	-	25,469.0
-	-	-	178.2	7,851.2	-	23,188.8
-	-	-	-	(626.1)	-	(3,034.2)
-	-	-	-	(162.8)	-	(162.8)
-	-	-	-	(1,097.4)	-	(1,097.4)
-	-	3.6	8.3	222.2	-	625.8
5.6	**7,236.7**	**128.5**	**221.8**	**6,187.1**	**-**	**44,989.2**
-	-	-	-	7,285.3	-	(247.4)
(5.6)	(76.9)	(4.9)	-	(1,075.5)	6,471.7	(15,964.9)
-	-	-	-	-	(665.6)	(665.6)
-	-	-	-	-	(512.4)	(845.5)
-	**7,159.8**	**123.7**	**221.8**	**12,396.9**	**5,293.7**	**27,265.7**
						(33.8)
						(0.1)
-	**7,159.8**	**123.7**	**221.8**	**12,241.5**	**5,293.7**	**27,299.5**
-	1,098.9	12.9	-	1,278.2	1,777.9	6,312.4
-	-	91.8	221.8	8,459.9	9.7	8,784.0
-	5,733.4	-	-	879.8	1,772.5	8,385.7
-	327.5	15.3	-	1,120.9	1,573.8	3,037.6
-	-	3.6	-	188.7	159.9	352.2
-	-	-	-	314.0	-	427.7
						56.6

Table 2.5.5
ENERGY BALANCE TABLE
2014
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	4,011.9	3,035.9	435.6	413.8	2,274.6	8,863.4	1.4
Imports (+)	8,013.1	-	-	8,717.5	-	-	-
Exports (-)	(3,043.8)	-	(435.6)	(380.8)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	1,660.9	-	-	(539.3)	-	-	-
Total Primary Energy Supply	**10,642.2**	**3,035.9**	**-**	**8,211.2**	**2,274.6**	**8,863.4**	**1.4**
Refinery (Crude Run)	-	-	-	(7,970.0)	-	-	-
Power Generation	(8,227.1)	(2,848.5)	-	-	(2,274.6)	(8,863.4)	(1.4)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(110.4)	-	(278.4)	-	-	-
Net Domestic Supply	**2,415.1**	**77.0**	**-**	**(37.3)**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**2,415.1**	**77.0**	**-**	**-**	**-**	**-**	**-**
Industry	2,260.9	76.9	-	-	-	-	-
Transport	-	0.1	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	154.2	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.6
ENERGY BALANCE TABLE
2015
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	3,893.9	2,854.0	391.1	323.9	2,157.1	9,495.9	11.9
Imports (+)	9,119.8	-	-	10,471.3	-	-	-
Exports (-)	(1,639.1)	-	(391.1)	(328.1)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	240.4	-	-	(35.8)	-	-	-
Total Primary Energy Supply	**11,615.0**	**2,854.0**	**-**	**10,431.2**	**2,157.1**	**9,495.9**	**11.9**
Refinery (Crude Run)	-	-	-	(10,180.9)	-	-	-
Power Generation	(9,264.9)	(2,696.7)	-	-	(2,157.1)	(9,495.9)	(11.9)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(107.5)	-	(232.0)	-	-	-
Net Domestic Supply	**2,350.1**	**49.8**	**-**	**18.2**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**2,350.1**	**49.8**	**-**	**-**	**-**	**-**	**-**
Industry	2,217.9	49.8	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	132.1	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.5 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
13.1	7,356.3	133.7	66.5	-	-	26,606.2
-	-	-	196.7	8,837.1	-	25,764.4
-	-	-	-	(670.6)	-	(4,530.8)
-	-	-	-	(89.4)	-	(89.4)
-	-	-	-	(1,040.1)	-	(1,040.1)
-	-	3.0	(17.4)	(827.7)	-	279.4
13.1	**7,356.3**	**136.6**	**245.7**	**6,209.3**	**-**	**46,989.6**
-	-	-	-	7,720.5	-	(249.5)
(13.1)	(70.0)	(6.8)	-	(1,378.0)	6,643.2	(17,039.7)
-	-	-	-	-	(625.1)	(625.1)
-	-	-	-	-	(571.4)	(960.3)
-	**7,286.3**	**129.8**	**245.7**	**12,551.8**	**5,446.7**	**28,115.0**
						(390.5)
						(1.4)
-	**7,286.3**	**129.8**	**245.7**	**12,905.0**	**5,446.7**	**28,505.5**
-	1,131.1	11.2	-	1,206.3	1,842.5	6,528.9
-	-	95.6	245.7	8,781.9	9.5	9,132.8
-	5,823.3	-	-	862.1	1,803.0	8,488.4
-	331.9	19.6	-	1,432.4	1,613.1	3,397.1
-	-	3.4	-	172.0	178.5	353.8
-	-	-	-	450.3	-	604.5
						56.6

Table 2.5.6 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
64.4	7,430.8	164.3	94.1	-	-	26,881.3
-	-	-	169.2	9,899.6	-	29,659.8
-	-	-	-	(1,320.3)	-	(3,678.5)
-	-	-	-	(27.1)	-	(27.1)
-	-	-	-	(1,215.6)	-	(1,215.6)
-	-	(11.8)	18.2	(556.4)	-	(345.5)
64.4	**7,430.8**	**152.5**	**281.5**	**6,780.2**	**-**	**51,274.4**
-	-	-	-	9,672.2	-	(508.8)
(64.4)	(139.8)	(5.9)	-	(1,413.2)	7,086.3	(18,163.6)
-	-	-	-	-	(643.3)	(643.3)
-	-	-	-	-	(612.6)	(952.1)
-	**7,290.9**	**146.6**	**281.5**	**15,039.2**	**5,830.4**	**31,006.6**
						18.8
						0.1
-	**7,290.9**	**146.6**	**281.5**	**15,038.6**	**5,830.4**	**30,987.9**
-	1,152.0	12.0	-	1,382.5	1,935.8	6,750.0
-	-	116.3	281.5	10,151.0	8.5	10,557.3
-	5,802.4	-	-	973.1	1,955.9	8,731.3
-	336.5	14.5	-	1,291.7	1,727.0	3,369.7
-	-	3.8	-	193.6	203.2	400.6
-	-	-	-	1,046.8	-	1,178.9
						52.4

Table 2.5.7
ENERGY BALANCE TABLE
2016
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	5,917.3	3,269.9	431.8	270.6	2,019.1	9,518.8	94.3
Imports (+)	10,571.7	-	-	10,568.9	-	-	-
Exports (-)	(3,607.3)	-	(431.8)	(242.5)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	204.7	-	-	(217.3)	-	-	-
Total Primary Energy Supply	**13,086.4**	**3,269.9**	**-**	**10,379.6**	**2,019.1**	**9,518.8**	**94.3**
Refinery (Crude Run)	-	-	-	(10,498.4)	-	-	-
Power Generation	(10,232.0)	(3,082.4)	-	-	(2,019.1)	(9,518.8)	(94.3)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(122.6)	-	(121.3)	-	-	-
Net Domestic Supply	**2,854.4**	**64.8**	**-**	**(240.1)**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**2,854.4**	**64.8**	**-**	**-**	**-**	**-**	**-**
Industry	2,677.0	64.8	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	177.4	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.8
ENERGY BALANCE TABLE
2017
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	6,297.9	3,225.6	408.6	213.2	2,392.5	8,830.7	103.3
Imports (+)	11,752.9	-	-	10,418.2	-	-	-
Exports (-)	(3,257.8)	-	(408.6)	(189.3)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	681.9	-	-	234.9	-	-	-
Total Primary Energy Supply	**15,474.9**	**3,225.6**	**-**	**10,677.0**	**2,392.5**	**8,830.7**	**103.3**
Refinery (Crude Run)	-	-	-	(10,211.9)	-	-	-
Power Generation	(12,311.9)	(3,080.2)	-	-	(2,392.5)	(8,830.7)	(103.3)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(92.8)	-	(162.8)	-	-	-
Net Domestic Supply	**3,163.0**	**52.5**	**-**	**302.3**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**3,163.0**	**52.5**	**-**	**-**	**-**	**-**	**-**
Industry	3,008.0	52.5	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	155.0	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.7 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
83.9	7,494.0	178.3	126.8	-	-	29,404.9
-	-	-	145.1	10,885.1	-	32,170.7
-	-	-	-	(1,244.7)	-	(5,526.2)
-	-	-	-	(49.8)	-	(49.8)
-	-	-	-	(1,295.6)	-	(1,295.6)
-	-	(10.5)	37.1	(127.8)	-	(113.9)
83.9	**7,494.0**	**167.8**	**308.9**	**8,167.2**	**-**	**54,590.1**
-	-	-	-	9,942.6	-	(555.8)
(83.9)	(281.9)	(9.4)	-	(1,230.5)	7,807.2	(18,745.2)
-	-	-	-	-	(712.5)	(712.5)
-	-	-	-	-	(718.6)	(962.6)
-	**7,212.0**	**158.4**	**308.9**	**16,879.3**	**6,376.1**	**33,614.0**
						83.6
						0.2
-	**7,212.0**	**158.4**	**308.9**	**16,555.6**	**6,376.1**	**33,530.3**
-	1,163.5	12.7	-	1,457.5	2,073.8	7,449.4
-	-	121.0	308.9	10,986.1	8.8	11,424.9
-	5,708.6	-	-	1,122.4	2,203.9	9,034.9
-	339.9	20.6	-	1,632.3	1,871.9	3,864.8
-	-	4.1	-	228.6	217.7	450.4
-	-	-	-	1,128.6	-	1,305.9
						53.9

Table 2.5.8 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
94.0	7,650.9	166.7	131.3	-	-	29,514.7
-	-	-	154.0	12,266.2	-	34,591.3
-	-	-	-	(1,419.8)	-	(5,275.5)
-	-	-	-	(96.3)	-	(96.3)
-	-	-	-	(1,580.0)	-	(1,580.0)
-	-	11.0	54.0	(177.8)	-	803.9
94.0	**7,650.9**	**177.7**	**339.3**	**8,992.4**	**-**	**57,958.2**
-	-	-	-	9,690.5	-	(521.4)
(94.0)	(393.9)	(7.8)	-	(968.7)	8,114.4	(20,068.7)
-	-	-	-	-	(710.4)	(710.4)
-	-	-	-	-	(715.0)	(970.6)
-	**7,257.0**	**169.9**	**339.3**	**17,714.2**	**6,689.0**	**35,687.2**
						212.8
						0.6
-	**7,257.0**	**169.9**	**339.3**	**17,803.7**	**6,689.0**	**35,474.4**
-	1,181.0	14.4	-	1,470.3	2,198.9	7,925.1
-	-	122.6	339.3	11,351.8	9.6	11,823.3
-	5,731.0	-	-	1,158.6	2,302.8	9,192.5
-	345.0	27.6	-	2,074.2	1,957.7	4,404.5
-	-	5.3	-	290.3	219.9	515.6
-	-	-	-	1,458.4	-	1,613.4
						50.9

Table 2.5.9
ENERGY BALANCE TABLE
2018
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	6,204.5	3,601.1	424.0	169.8	2,336.0	8,972.7	107.4
Imports (+)	13,881.5	-	-	11,512.7	-	-	-
Exports (-)	(2,667.7)	-	(424.0)	(143.3)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	(1,068.9)	-	-	(9.9)	-	-	-
Total Primary Energy Supply	**16,349.4**	**3,601.1**	**-**	**11,529.3**	**2,336.0**	**8,972.7**	**107.4**
Refinery (Crude Run)	-	-	-	(11,552.8)	-	-	-
Power Generation	(13,776.3)	(3,324.0)	-	-	(2,336.0)	(8,972.7)	(107.4)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(217.7)	-	(80.2)	-	-	-
Net Domestic Supply	**2,573.1**	**59.4**	**-**	**(103.8)**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**2,573.1**	**59.4**	**-**	**-**	**-**	**-**	**-**
Industry	2,410.9	59.4	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	162.2	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.10
ENERGY BALANCE TABLE
2019
(In thousand tons of oil equivalent (kTOE))

	Primary energy sources						
	Non-renewable energy sources				Renewable energy sources		
	Coal	Natural gas	Condensate	Crude oil	Hydro	Geothermal	Solar
Indigenous	7,257.9	3,626.0	418.3	104.3	1,997.9	9,192.4	107.1
Imports (+)	14,616.0	-	-	8,399.8	-	-	-
Exports (-)	(5,287.4)	-	(418.3)	(133.6)	-	-	-
International Marine Bunkers (-)	-	-	-	-	-	-	-
International Civil Aviation (-)	-	-	-	-	-	-	-
Stock Change (+/-)	895.1	-	-	(81.9)	-	-	-
Total Primary Energy Supply	**17,481.6**	**3,626.0**	**-**	**8,288.6**	**1,997.9**	**9,192.4**	**107.1**
Refinery (Crude Run)	-	-	-	(7,996.8)	-	-	-
Power Generation	(15,123.7)	(3,408.8)	-	-	(1,997.9)	(9,192.4)	(107.1)
Transmission/Dist. Loss (-)	-	-	-	-	-	-	-
Energy Sector Use & Loss (-)	-	(155.7)	-	(224.3)	-	-	-
Net Domestic Supply	**2,357.9**	**61.5**	**-**	**67.5**	**-**	**-**	**-**
Statistical Difference							
% Statistical Difference							
Total Final Energy Consumption	**2,357.9**	**61.5**	**-**	**-**	**-**	**-**	**-**
Industry	2,217.1	61.5	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-
Agri., Fishery & Forestry	-	-	-	-	-	-	-
Others, Non-Energy Use	140.9	-	-	-	-	-	-
Self-Sufficiency (%)							

Values that do not exceed 0.05 have been rounded off to and appear as 0.0. Zero values appear as -.
Source: Department of Energy

Table 2.5.9 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
99.1	7,724.6	168.1	169.8	-	-	29,977.2
-	-	-	144.7	12,207.8	-	37,746.7
-	-	-	-	(1,637.4)	-	(4,872.4)
-	-	-	-	(82.8)	-	(82.8)
-	-	-	-	(1,624.7)	-	(1,624.7)
-	-	14.2	35.3	(398.1)	-	(1,427.4)
99.1	**7,724.6**	**182.3**	**349.8**	**8,464.8**	**-**	**59,716.6**
-	-	-	-	10,921.0	-	(631.8)
(99.1)	(429.7)	(8.1)	-	(728.4)	8,578.2	(21,203.5)
-	-	-	-	-	(774.4)	(774.4)
-	-	-	-	-	(700.0)	(998.0)
-	**7,294.9**	**174.2**	**349.8**	**18,657.4**	**7,103.8**	**36,108.9**
						385.7
						1.1
-	**7,294.9**	**174.2**	**349.8**	**18,167.9**	**7,103.8**	**35,723.1**
-	1,198.7	13.4	-	1,468.8	2,372.1	7,523.3
-	-	126.6	349.8	11,752.7	9.0	12,238.1
-	5,746.1	-	-	1,254.6	2,430.0	9,430.7
-	350.2	30.4	-	2,222.5	2,065.0	4,668.1
-	-	3.9	-	208.0	227.6	439.6
-	-	-	-	1,261.2	-	1,423.4
						50.2

Table 2.5.10 (concluded)

Primary energy sources				Secondary energy sources		Total
Renewable energy sources						
Wind	Biomass	Biodiesel	BioEthanol	Oil products	Electricity	
89.6	7,735.7	178.2	169.0	-	-	30,876.4
-	-	-	118.3	13,697.7	-	36,831.8
-	-	-	-	(968.6)	-	(6,807.8)
-	-	-	-	(54.0)	-	(54.0)
-	-	-	-	(1,618.1)	-	(1,618.1)
-	-	9.0	92.7	(45.0)	-	869.9
89.6	**7,735.7**	**187.2**	**379.9**	**11,012.1**	**-**	**60,098.2**
-	-	-	-	7,589.0	-	(407.8)
(89.6)	(404.1)	(8.7)	-	(735.7)	9,117.9	(21,950.2)
-	-	-	-	-	(859.4)	(859.4)
-	-	-	-	-	(767.8)	(1,147.7)
-	**7,331.6**	**178.4**	**379.9**	**17,865.4**	**7,490.8**	**35,733.2**
						(578.8)
						(1.6)
-	**7,331.6**	**178.4**	**379.9**	**18,511.7**	**7,490.8**	**36,312.0**
-	1,207.1	14.5	-	1,464.5	2,424.2	7,389.0
-	-	126.8	379.9	12,173.1	9.1	12,689.0
-	5,771.9	-	-	1,312.0	2,627.0	9,710.8
-	352.6	32.9	-	2,338.8	2,190.5	4,914.9
-	-	4.2	-	227.6	239.9	471.7
-	-	-	-	995.8	-	1,136.6
						51.4

Table 2.6.1
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2010
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,272,574**	**1,146,086**	**914,415**	**860,428**	**36,076**
	NIS	751,787	669,575	546,363	529,810	26,221
	CIS	520,787	476,511	368,052	330,618	9,855
CAR		59,666	59,666	43,423	43,718	1,630
	NIS	22,622	22,622	15,106	15,008	30
	CIS	37,044	37,044	28,317	28,710	1,600
ILOCOS REGION		97,140	82,100	62,042	41,026	134
	NIS	55,967	45,824	32,785	25,131	134
	CIS	41,173	36,276	29,257	15,895	-
CAGAYAN VALLEY		254,308	245,697	198,142	202,590	-
	NIS	142,141	133,530	110,386	116,593	-
	CIS	112,167	112,167	87,756	85,997	-
CENTRAL LUZON		256,499	234,290	190,779	186,244	24,466
	NIS	193,472	171,263	142,545	147,954	22,286
	CIS	63,027	63,027	48,234	38,290	2,180
SOUTHERN LUZON		94,993	69,862	53,630	46,617	-
	NIS	53,146	39,175	29,381	24,626	-
	CIS	41,847	30,687	24,249	21,991	-
BICOL REGION		60,120	52,801	40,703	39,209	2,437
	NIS	22,573	20,288	16,719	16,435	-
	CIS	37,547	32,513	23,984	22,774	2,437
WESTERN VISAYAS		71,863	68,507	52,231	41,162	1,240
	NIS	52,216	48,860	38,985	29,668	1,240
	CIS	19,647	19,647	13,246	11,494	-
CENTRAL VISAYAS		33,833	27,507	21,533	20,550	612
	NIS	10,040	7,753	6,234	6,586	-
	CIS	23,793	19,754	15,299	13,964	612
EASTERN VISAYAS		48,859	44,721	34,444	32,992	-
	NIS	19,144	18,544	16,192	15,528	-
	CIS	29,715	26,177	18,252	17,464	-
ZAMBOANGA PENINSULA		42,036	35,304	32,124	30,023	500
	NIS	15,162	13,844	13,286	12,807	-
	CIS	26,874	21,460	18,838	17,216	500
NORTHERN MINDANAO		46,483	35,120	31,031	30,687	5,057
	NIS	26,411	20,317	19,116	19,132	2,531
	CIS	20,072	14,803	11,915	11,555	2,526
DAVAO REGION		52,165	49,572	42,764	41,869	-
	NIS	33,971	31,378	29,766	28,872	-
	CIS	18,194	18,194	12,998	12,997	-
SOCCSKSARGEN		91,207	90,877	76,304	70,669	-
	NIS	59,498	59,168	50,129	46,795	-
	CIS	31,709	31,709	26,175	23,874	-
CARAGA		44,537	31,314	26,529	25,194	-
	NIS	29,319	21,021	16,997	16,797	-
	CIS	15,218	10,293	9,532	8,397	-
ARMM		18,865	18,748	8,736	7,878	-
	NIS	16,105	15,988	8,736	7,878	-
	CIS	2,760	2,760	-	-	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

NIS National Irrigation Systems
CIS Communal Irrigation Systems

Table 2.6.2
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2011
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,300,916**	**1,160,693**	**949,681**	**904,683**	**30,769**
	NIS	783,457	668,208	566,006	553,396	16,248
	CIS	517,459	492,485	383,675	351,287	14,521
CAR		59,962	59,962	44,615	44,912	2,469
	NIS	22,622	22,622	14,587	15,228	73
	CIS	37,340	37,340	30,028	29,684	2,396
ILOCOS REGION		105,239	82,868	62,452	45,415	1,474
	NIS	64,066	46,366	32,722	27,564	604
	CIS	41,173	36,502	29,730	17,851	870
CAGAYAN VALLEY		256,226	245,156	204,588	210,971	-
	NIS	144,059	134,875	113,592	119,747	-
	CIS	112,167	110,281	90,996	91,224	-
CENTRAL LUZON		269,443	234,835	201,934	192,720	7,508
	NIS	206,237	171,808	150,664	150,603	5,678
	CIS	63,206	63,027	51,270	42,117	1,830
CALABARZON		42,314	32,780	25,404	22,143	-
	NIS	28,580	20,449	15,278	13,378	-
	CIS	13,734	12,331	10,126	8,765	-
MIMAROPA		47,915	41,395	31,081	28,005	-
	NIS	24,585	18,726	15,688	13,950	-
	CIS	23,330	22,669	15,393	14,055	-
BICOL REGION		60,203	56,761	43,650	41,287	5,568
	NIS	22,655	20,407	17,464	16,948	-
	CIS	37,548	36,354	26,186	24,339	5,568
WESTERN VISAYAS		71,863	64,363	53,060	44,250	5,145
	NIS	52,216	44,716	39,907	32,757	3,653
	CIS	19,647	19,647	13,153	11,493	1,492
CENTRAL VISAYAS		33,466	28,172	24,044	23,037	-
	NIS	10,040	8,025	6,565	6,617	-
	CIS	23,426	20,147	17,479	16,420	-
EASTERN VISAYAS		49,697	46,934	35,934	35,393	-
	NIS	19,644	18,544	16,691	16,651	-
	CIS	30,053	28,390	19,243	18,742	-
ZAMBOANGA PENINSULA		41,820	40,181	31,184	30,294	730
	NIS	15,162	14,267	13,436	12,974	-
	CIS	26,658	25,914	17,748	17,320	730
NORTHERN MINDANAO		48,552	38,895	31,208	31,225	3,744
	NIS	28,480	20,592	19,041	19,031	2,109
	CIS	20,072	18,303	12,167	12,194	1,635
DAVAO REGION		52,165	49,442	43,044	42,894	-
	NIS	33,971	31,398	30,061	29,781	-
	CIS	18,194	18,044	12,983	13,113	-
SOCCSKSARGEN		89,340	85,442	75,182	73,754	4,131
	NIS	63,266	59,368	52,232	51,769	4,131
	CIS	26,074	26,074	22,950	21,985	-
CARAGA		45,572	31,650	27,087	25,345	-
	NIS	30,354	21,357	17,544	17,240	-
	CIS	15,218	10,293	9,543	8,105	-
ARMM		27,140	21,858	15,214	13,038	-
	NIS	17,520	14,688	10,534	9,158	-
	CIS	9,620	7,170	4,680	3,880	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

NIS National Irrigation Systems
CIS Communal Irrigation Systems

Table 2.6.3
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2012
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,311,115**	**1,208,866**	**901,830**	**870,175**	**137,981**
	NIS	793,638	712,789	574,383	569,622	121,556
	CIS	517,477	496,077	327,447	300,553	16,425
CAR		65,785	62,084	51,322	49,100	8,843
	NIS	24,915	22,327	15,966	15,892	3110
	CIS	40,870	39,757	35,356	33,208	5733
ILOCOS REGION		107,708	91,083	62,088	48,836	1,082
	NIS	57,892	43,694	33,614	30,217	905
	CIS	49,816	47,389	28,474	18,619	177
CAGAYAN VALLEY		97,072	95,422	62,945	69,071	-
	NIS	52,849	51,564	36,411	41,055	-
	CIS	44,223	43,858	26,534	28,016	-
MRIIS		97,668	84,978	79,815	79,433	20,705
	NIS	97,668	84,978	79,815	79,433	20705
	CIS	-	-	-	-	-
CENTRAL LUZON		140,784	127,846	96,600	90,701	7,967
	NIS	79,630	70,648	45,262	46,533	6,087
	CIS	61,154	57,198	51,338	44,168	1,880
UPRIIS		119,016	114,703	107,885	110,741	41,993
	NIS	119,016	114,703	107,885	110,741	41,993
	CIS	-	-	-	-	-
CALABARZON		46,325	37,148	26,216	23,997	1,601
	NIS	28,342	21,054	14,685	13,962	1139
	CIS	17,983	16,094	11,531	10,035	462
MIMAROPA		58,600	48,069	32,647	29,739	-
	NIS	27,677	18,938	15,600	13,818	-
	CIS	30,923	29,131	17,047	15,921	-
BICOL REGION		83,066	82,843	43,560	43,111	10,019
	NIS	22,933	22,930	17,485	17,314	7,327
	CIS	60,133	59,913	26,075	25,797	2,692
WESTERN VISAYAS		76,731	69,366	53,552	45,731	15,735
	NIS	53,444	46,752	40,275	33,786	13,877
	CIS	23,287	22,614	13,277	11,945	1,858
CENTRAL VISAYAS		34,910	30,552	26,975	24,980	1,856
	NIS	10,040	9,855	8,305	7,269	1431
	CIS	24,870	20,697	18,670	17,711	425
EASTERN VISAYAS		51,081	50,790	36,732	34,991	5,905
	NIS	20,059	20,059	16,803	16,759	5905
	CIS	31,022	30,731	19,929	18,232	-
ZAMBOANGA PENINSULA		36,662	35,510	27,937	27,148	4,725
	NIS	15,162	14,664	11,920	11,691	4241
	CIS	21,500	20,846	16,017	15,457	484
NORTHERN MINDANAO		55,485	52,595	31,447	31,317	3,238
	NIS	30,196	25,997	18,903	18,911	1,922
	CIS	25,289	26,598	12,544	12,406	1,316
NORTHERN MINDANAO (ARMM)		7,565	5,850	981	780	-
	NIS	3,915	4,650	981	780	-
	CIS	3,650	1,200	-	-	-
DAVAO REGION		58,872	56,585	43,802	43,552	2,498
	NIS	37,284	35,007	30,610	30,448	2498
	CIS	21,588	21,578	13,192	13,104	-
SOCCSKSARGEN		99,983	95,608	74,532	74,560	11,814
	NIS	70,417	65,143	51,130	51,795	10,416
	CIS	29,566	30,465	23,402	22,765	1,398
SOCCSKSARGEN (ARMM)		24,478	21,488	14,144	14,167	-
	NIS	13,605	13,488	9,900	10,183	-
	CIS	10,873	8,000	4,244	3,984	-
CARAGA		49,324	46,346	28,649	28,220	-
	NIS	28,594	26,338	18,833	19,035	-
	CIS	20,730	20,008	9,816	9,185	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.4
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2013
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,360,778**	**1,256,986**	**937,342**	**893,049**	**65,673**
	NIS	804,540	722,583	578,749	554,565	45,360
	CIS	556,238	534,403	358,594	338,484	20,313
CAR		69,306	65,605	52,885	52,445	3,222
	NIS	24,915	22,327	14,930	15,924	-
	CIS	44,391	43,278	37,955	36,521	3,222
ILOCOS REGION		115,613	99,189	67,404	47,831	3,414
	NIS	61,140	47,017	35,646	26,106	1,438
	CIS	54,473	52,172	31,758	21,725	1,976
CAGAYAN VALLEY		101,276	99,626	67,063	55,555	30,668
	NIS	53,499	52,214	33,166	23,718	25,463
	CIS	47,777	47,412	33,897	31,837	5,205
MRIIS		97,922	85,176	81,791	82,763	-
	NIS	97,922	85,176	81,791	82,763	-
	CIS	-	-	-	-	-
CENTRAL LUZON		144,047	130,641	90,374	98,640	10,106
	NIS	80,840	71,690	42,092	44,448	7,696
	CIS	63,207	58,951	48,282	54,192	2,410
UPRIIS		120,714	117,969	109,976	114,408	1,694
	NIS	120,714	117,969	109,976	114,408	1,694
	CIS	-	-	-	-	-
CALABARZON		47,631	38,380	27,968	26,588	1,431
	NIS	28,353	21,066	14,755	14,203	601
	CIS	19,278	17,314	13,213	12,385	830
MIMAROPA		59,700	49,169	32,546	31,493	-
	NIS	27,677	18,938	15,408	14,534	-
	CIS	32,023	30,231	17,138	16,959	-
BICOL REGION		85,804	85,581	48,382	48,595	2,399
	NIS	23,053	23,050	16,471	17,761	1,230
	CIS	62,751	62,531	31,911	30,834	1,169
WESTERN VISAYAS		82,071	74,658	56,712	44,285	6,631
	NIS	53,493	46,753	40,548	31,047	4,572
	CIS	28,578	27,905	16,164	13,238	2,059
CENTRAL VISAYAS		37,660	33,508	26,497	26,240	700
	NIS	11,260	10,855	7,000	7,160	-
	CIS	26,400	22,653	19,497	19,080	700
EASTERN VISAYAS		54,148	53,849	38,506	38,191	-
	NIS	20,649	20,649	17,037	17,455	-
	CIS	33,499	33,200	21,469	20,736	-
ZAMBOANGA PENINSULA		38,540	37,382	33,107	29,901	253
	NIS	15,162	14,664	13,421	12,985	-
	CIS	23,378	22,718	19,686	16,916	253
NORTHERN MINDANAO		65,556	58,532	34,433	33,913	4,096
	NIS	35,014	29,486	20,824	20,596	2,366
	CIS	30,542	29,046	13,609	13,317	1,730
DAVAO REGION		60,388	58,101	42,393	40,914	-
	NIS	37,363	35,086	29,881	28,807	-
	CIS	23,025	23,015	12,512	12,107	-
SOCCSKSARGEN		127,977	120,292	97,376	92,109	1,059
	NIS	84,793	79,325	66,297	63,108	300
	CIS	43,184	40,967	31,079	29,001	759
CARAGA		52,426	49,328	29,929	29,178	-
	NIS	28,694	26,318	19,506	19,541	-
	CIS	23,732	23,010	10,423	9,637	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.5
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2014
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,420,072**	**1,316,633**	**950,914**	**934,352**	**20,392**
	NIS	821,598	740,214	571,944	579,014	10,634
	CIS	598,473	576,419	378,970	355,338	9,758
CAR		72,472	68,755	55,590	55,137	4,268
	NIS	25,115	22,400	15,945	16,118	-
	CIS	47,357	46,355	39,645	39,019	4,268
ILOCOS REGION		112,924	97,768	71,697	55,785	2,700
	NIS	60,033	47,224	36,497	30,560	1,171
	CIS	52,891	50,544	35,200	25,225	1,529
CAGAYAN VALLEY		106,510	104,859	61,076	69,883	-
	NIS	55,157	53,872	29,287	35,580	-
	CIS	51,353	50,987	31,789	34,303	-
MRIIS		98,355	85,731	79,853	82,475	-
	NIS	98,355	85,731	79,853	82,475	-
	CIS	-	-	-	-	-
CENTRAL LUZON		152,937	139,531	87,708	89,095	3,366
	NIS	82,087	72,937	33,255	44,372	2,030
	CIS	70,850	66,594	54,453	44,723	1,336
UPRIIS		122,384	119,640	112,584	114,377	-
	NIS	122,384	119,640	112,584	114,377	-
	CIS	-	-	-	-	-
CALABARZON		48,711	38,550	28,027	26,530	427
	NIS	28,478	20,450	14,066	13,309	427
	CIS	20,233	18,100	13,961	13,221	-
MIMAROPA		60,848	50,317	34,897	31,295	-
	NIS	27,677	18,938	15,899	14,514	-
	CIS	33,171	31,379	18,998	16,781	-
BICOL REGION		92,219	91,999	50,533	50,654	-
	NIS	23,189	23,189	17,211	18,257	-
	CIS	69,030	68,810	33,322	32,397	-
WESTERN VISAYAS		89,202	81,886	57,077	49,891	6,725
	NIS	53,760	47,020	40,420	35,064	4,844
	CIS	35,442	34,866	16,657	14,827	1,881
CENTRAL VISAYAS		39,175	34,943	28,232	28,279	-
	NIS	11,587	11,182	7,377	6,817	-
	CIS	27,588	23,761	20,855	21,462	-
EASTERN VISAYAS		58,213	57,914	40,986	40,289	-
	NIS	20,883	20,883	18,177	17,848	-
	CIS	37,330	37,031	22,809	22,441	-
ZAMBOANGA PENINSULA		43,704	42,546	31,284	30,396	250
	NIS	17,299	16,801	13,949	13,307	-
	CIS	26,405	25,745	17,335	17,089	250
NORTHERN MINDANAO		69,992	62,968	34,870	37,062	2,555
	NIS	36,920	31,393	20,243	21,864	2,061
	CIS	33,072	31,575	14,627	15,198	494
DAVAO REGION		61,304	59,017	47,677	48,852	-
	NIS	37,622	35,345	30,226	30,379	-
	CIS	23,682	23,672	17,451	18,473	-
SOCCSKSARGEN		134,711	126,849	100,274	94,350	101
	NIS	88,513	83,045	67,713	64,788	101
	CIS	46,198	43,804	32,561	29,562	-
CARAGA		56,412	53,361	28,549	30,002	-
	NIS	32,540	30,164	19,242	19,385	-
	CIS	23,872	23,197	9,307	10,617	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.6
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2015
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,474,020**	**1,370,463**	**950,885**	**909,869**	**108,970**
	NIS	836,055	754,666	576,003	560,052	89,847
	CIS	637,965	615,797	374,882	349,817	19,123
CAR		76,815	73,203	56,508	56,139	5,000
	NIS	26,163	23,448	16,154	16,780	-
	CIS	50,652	49,755	40,354	39,359	5,000
ILOCOS REGION		118,480	103,243	72,964	57,174	2,935
	NIS	62,161	49,352	36,141	31,097	1,348
	CIS	56,319	53,891	36,823	26,077	1,587
CAGAYAN VALLEY		213,338	198,990	153,488	161,298	40,968
	NIS	156,391	142,482	117,641	124,440	40,968
	CIS	56,947	56,508	35,847	36,858	-
CENTRAL LUZON		281,319	265,169	192,339	171,781	20,936
	NIS	207,184	195,285	145,159	136,283	20,260
	CIS	74,135	69,884	47,180	35,498	676
CALABARZON		50,407	40,199	29,068	26,673	1,826
	NIS	28,770	20,742	15,284	13,306	1,826
	CIS	21,637	19,457	13,784	13,367	-
MIMAROPA		64,093	53,562	34,970	32,662	-
	NIS	27,747	19,008	16,201	14,362	-
	CIS	36,346	34,554	18,769	18,300	-
BICOL REGION		97,063	96,843	48,582	50,482	3,139
	NIS	23,162	23,162	16,659	18,002	920
	CIS	73,901	73,681	31,923	32,480	2,219
WESTERN VISAYAS		91,221	83,958	59,612	51,248	6,376
	NIS	53,885	47,145	41,084	34,664	4,671
	CIS	37,336	36,813	18,528	16,584	1,705
CENTRAL VISAYAS		42,147	37,900	25,962	26,294	5,905
	NIS	12,135	11,730	7,077	7,551	1,825
	CIS	30,012	26,170	18,885	18,743	4,080
EASTERN VISAYAS		62,513	62,214	39,288	40,774	-
	NIS	24,483	24,483	16,941	18,256	-
	CIS	38,030	37,731	22,347	22,518	-
ZAMBOANGA PENINSULA		46,043	44,825	30,671	30,953	10,512
	NIS	17,457	16,959	14,608	14,093	8,640
	CIS	28,586	27,866	16,063	16,860	1,872
NORTHERN MINDANAO		71,600	64,576	35,822	34,837	4,066
	NIS	37,495	31,968	19,982	19,952	2,749
	CIS	34,105	32,608	15,840	14,885	1,317
DAVAO REGION		64,522	62,235	46,664	46,268	5,806
	NIS	38,559	36,282	28,335	28,416	5,139
	CIS	25,963	25,953	18,329	17,852	667
SOCCSKSARGEN		136,446	128,584	102,452	97,598	1,501
	NIS	88,302	82,834	69,587	66,103	1,501
	CIS	48,144	45,750	32,865	31,495	-
CARAGA		58,013	54,961	22,495	25,688	-
	NIS	32,161	29,784	15,150	16,747	-
	CIS	25,852	25,177	7,345	8,941	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.7
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2016
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,474,020**	**1,370,463**	**956,378**	**910,840**	**11,654**
	NIS	836,055	754,666	575,367	554,971	7,149
	CIS	637,965	615,797	381,011	355,869	4,505
CAR		76,815	73,203	57,802	56,842	-
	NIS	26,163	23,448	16,824	16,802	-
	CIS	50,652	49,755	40,978	40,040	-
ILOCOS REGION		118,480	103,243	75,238	55,347	1,587
	NIS	62,161	49,352	36,497	28,682	-
	CIS	56,319	53,891	38,741	26,665	1,587
CAGAYAN VALLEY		113,329	111,605	71,083	82,367	1,565
	NIS	56,382	55,097	34,326	43,681	1,565
	CIS	56,947	56,508	36,757	38,686	-
MRIIS		100,009	87,385	81,262	81,689	-
	NIS	100,009	87,385	81,262	81,689	-
	CIS	-	-	-	-	-
CENTRAL LUZON		155,771	142,365	80,309	80,033	495
	NIS	81,636	72,481	34,123	40,181	495
	CIS	74,135	69,884	46,186	39,852	-
UPRIIS		125,548	122,804	113,029	108,310	-
	NIS	125,548	122,804	113,029	108,310	-
	CIS	-	-	-	-	-
CALABARZON		50,407	40,199	29,659	28,662	117
	NIS	28,770	20,742	15,014	14,523	117
	CIS	21,637	19,457	14,645	14,139	-
MIMAROPA		64,093	53,562	33,872	30,931	-
	NIS	27,747	19,008	15,557	13,633	-
	CIS	36,346	34,554	18,315	17,298	-
BICOL REGION		97,063	96,843	48,842	49,881	-
	NIS	23,162	23,162	17,340	17,236	-
	CIS	73,901	73,681	31,502	32,645	-
WESTERN VISAYAS		70,384	64,581	47,008	26,410	-
	NIS	39,344	34,022	29,820	14,251	-
	CIS	31,040	30,559	17,188	12,159	-
NEGROS ISLAND REGION		34,078	30,611	21,120	19,368	6,462
	NIS	14,541	13,123	10,569	9,495	4,162
	CIS	19,537	17,488	10,551	9,873	2,300
CENTRAL VISAYAS		28,906	26,666	16,940	17,617	-
	NIS	12,135	11,730	5,219	6,087	-
	CIS	16,771	14,936	11,721	11,530	-
EASTERN VISAYAS		62,513	62,214	38,755	41,125	-
	NIS	24,483	24,483	17,772	18,266	-
	CIS	38,030	37,731	20,983	22,859	-
ZAMBOANGA PENINSULA		46,043	44,825	33,315	29,992	200
	NIS	17,457	16,959	14,909	14,568	-
	CIS	28,586	27,866	18,406	15,424	200
NORTHERN MINDANAO		71,600	64,576	35,107	35,936	1,228
	NIS	37,495	31,968	19,748	20,741	810
	CIS	34,105	32,608	15,359	15,195	418
DAVAO REGION		64,522	62,235	45,568	42,677	-
	NIS	38,559	36,282	27,220	24,050	-
	CIS	25,963	25,953	18,348	18,627	-
SOCCSKSARGEN		136,446	128,584	101,902	97,890	-
	NIS	88,302	82,834	68,395	67,340	-
	CIS	48,144	45,750	33,507	30,550	-
CARAGA		58,013	54,961	25,568	25,764	-
	NIS	32,161	29,784	17,744	15,437	-
	CIS	25,852	25,177	7,824	10,327	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.8
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2017
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,497,033**	**1,322,836**	**1,039,516**	**982,817**	**28,446**
	NIS	848,617	748,829	633,443	597,259	15,538
	CIS	648,417	574,007	406,074	385,558	12,908
CAR		79,397	73,879	56,995	52,924	5,072
	NIS	26,409	22,985	17,689	16,040	72
	CIS	52,988	50,894	39,306	36,884	5,000
ILOCOS REGION		119,062	102,995	79,838	59,571	2,135
	NIS	62,228	48,856	40,150	32,765	548
	CIS	56,834	54,139	39,688	26,806	1,587
CAGAYAN VALLEY		116,162	111,830	82,722	86,932	-
	NIS	59,308	56,549	43,561	47,042	-
	CIS	56,854	55,281	39,161	39,890	-
MRIIS		100,257	87,276	83,953	83,503	-
	NIS	100,257	87,276	83,953	83,503	-
	CIS	-	-	-	-	-
CENTRAL LUZON		156,298	137,779	92,261	89,665	1,437
	NIS	82,401	71,069	41,691	45,000	1,437
	CIS	73,897	66,710	50,570	44,665	-
UPRIIS		125,811	120,985	127,741	115,572	-
	NIS	125,811	120,985	127,741	115,572	-
	CIS	-	-	-	-	-
CALABARZON		51,003	40,945	30,471	30,263	185
	NIS	28,796	20,820	15,456	15,317	185
	CIS	22,207	20,125	15,015	14,946	-
MIMAROPA		64,776	53,010	41,416	39,695	-
	NIS	27,827	18,938	18,093	16,907	-
	CIS	36,949	34,072	23,323	22,788	-
BICOL REGION		97,658	75,235	51,886	52,562	553
	NIS	23,252	23,162	17,120	17,863	553
	CIS	74,406	52,073	34,766	34,699	-
WESTERN VISAYAS		91,596	79,443	67,366	56,320	11,207
	NIS	53,910	47,081	43,361	36,142	6,954
	CIS	37,686	32,362	24,005	20,178	4,253
CENTRAL VISAYAS		42,983	37,650	29,898	28,770	755
	NIS	12,135	11,729	8,076	7,889	-
	CIS	30,848	25,921	21,822	20,881	755
EASTERN VISAYAS		63,174	62,407	41,310	41,540	-
	NIS	24,827	24,827	18,854	18,633	-
	CIS	38,347	37,580	22,456	22,907	-
ZAMBOANGA PENINSULA		49,152	39,224	32,175	32,071	200
	NIS	20,516	16,063	14,986	14,866	-
	CIS	28,636	23,161	17,189	17,205	200
NORTHERN MINDANAO		74,705	62,885	37,017	40,484	1,113
	NIS	39,649	31,795	21,516	22,507	-
	CIS	35,056	31,090	15,501	17,977	1,113
DAVAO REGION		67,183	61,895	48,586	45,714	-
	NIS	38,559	36,176	28,783	26,060	-
	CIS	28,624	25,719	19,803	19,654	-
SOCCSKSARGEN		138,847	126,882	106,666	95,499	5,789
	NIS	90,033	82,625	72,370	60,893	5,789
	CIS	48,814	44,257	34,296	34,606	-
CARAGA		58,969	48,514	29,218	31,732	-
	NIS	32,697	27,892	20,044	20,261	-
	CIS	26,272	20,622	9,174	11,471	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.9
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2018
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,517,170**	**1,352,170**	**1,084,069**	**1,044,961**	**40,322**
	NIS	859,948	770,103	660,781	644,813	23,488
	CIS	657,222	582,067	423,288	400,148	16,834
CAR		81,135	74,821	57,646	54,993	5,000
	NIS	26,137	23,040	17,423	17,444	-
	CIS	54,998	51,781	40,223	37,549	5,000
ILOCOS REGION		121,003	105,004	84,149	66,081	3,387
	NIS	63,484	50,714	41,955	36,937	1,800
	CIS	57,519	54,290	42,194	29,144	1,587
CAGAYAN VALLEY		120,401	117,561	88,666	91,092	94
	NIS	65,682	63,732	49,673	51,693	94
	CIS	54,719	53,829	38,993	39,399	-
MRIIS		100,391	86,887	84,984	84,863	-
	NIS	100,391	86,887	84,984	84,863	-
	CIS	-	-	-	-	-
CENTRAL LUZON		158,610	139,856	96,828	87,337	572
	NIS	82,646	71,416	44,793	41,129	572
	CIS	75,964	68,440	52,035	46,208	-
UPRIIS		134,534	130,539	132,489	132,002	4,180
	NIS	134,534	130,539	132,489	132,002	4,180
	CIS	-	-	-	-	-
CALABARZON		51,812	41,387	32,374	30,566	211
	NIS	29,034	20,679	16,433	14,924	211
	CIS	22,778	20,708	15,941	15,642	-
MIMAROPA		68,504	57,727	49,242	46,408	4,545
	NIS	29,131	21,352	20,074	19,278	1,169
	CIS	39,373	36,375	29,168	27,130	3,376
BICOL REGION		98,629	75,359	55,960	55,050	110
	NIS	24,016	24,006	20,427	19,779	110
	CIS	74,613	51,353	35,533	35,271	-
WESTERN VISAYAS		92,970	79,993	65,728	59,991	7,322
	NIS	53,935	47,109	43,916	37,244	6,405
	CIS	39,035	32,884	21,812	22,747	917
CENTRAL VISAYAS		43,639	37,948	32,141	32,286	8,671
	NIS	12,211	11,601	8,730	8,875	2,917
	CIS	31,428	26,347	23,411	23,411	5,754
EASTERN VISAYAS		60,705	59,943	42,792	42,388	-
	NIS	22,287	22,287	19,468	19,094	-
	CIS	38,418	37,656	23,324	23,294	-
ZAMBOANGA PENINSULA		47,333	40,563	29,527	29,776	200
	NIS	16,408	15,836	13,611	13,828	-
	CIS	30,925	24,727	15,916	15,948	200
NORTHERN MINDANAO		71,302	62,191	39,201	40,549	2,658
	NIS	37,965	31,492	20,582	23,209	2,658
	CIS	33,337	30,699	18,619	17,340	-
DAVAO REGION		68,181	62,419	50,230	48,778	-
	NIS	38,568	36,185	29,159	28,062	-
	CIS	29,613	26,234	21,071	20,716	-
SOCCSKSARGEN		140,978	130,336	110,881	109,535	3,373
	NIS	91,489	85,199	76,267	75,672	3,373
	CIS	49,489	45,137	34,614	33,863	-
CARAGA		57,042	49,637	31,233	33,264	-
	NIS	32,030	28,029	20,798	20,779	-
	CIS	25,012	21,608	10,435	12,485	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.6.10
SERVICE AREA, FIRMED-UP SERVICE AREA, AND ACTUAL IRRIGATED AREA BY REGION AND BY IRRIGATION SYSTEM
2019
(in hectares)

REGION	IRRIGATION SYSTEM	SERVICE AREA	FIRMED UP SERVICE AREA	IRRIGATED AREA (ACTUAL)		
				WET	DRY	THIRD CROP/ QTA
PHILIPPINES		**1,545,712**	**1,375,293**	**1,136,993**	**1,090,797**	**44,828**
	NIS	868,146	775,293	692,635	675,498	31,248
	CIS	677,566	600,000	444,357	415,298	13,580
CAR		81,962	75,667	56,835	56,740	4,000
	NIS	26,187	22,941	18,444	18,349	-
	CIS	55,775	52,726	38,391	38,391	4,000
ILOCOS REGION		125,827	108,522	90,826	71,456	5,141
	NIS	63,609	50,832	45,854	39,454	3,230
	CIS	62,218	57,690	44,972	32,002	1,911
CAGAYAN VALLEY		122,051	118,012	90,941	96,900	-
	NIS	66,732	63,631	50,515	56,185	-
	CIS	55,319	54,381	40,426	40,715	-
MRIIS		100,451	86,887	85,336	85,068	9,643
	NIS	100,451	86,887	85,336	85,068	9,643
	CIS	-	-	-	-	-
CENTRAL LUZON		161,764	143,708	105,914	96,963	739
	NIS	82,972	72,546	52,320	50,217	739
	CIS	78,792	71,162	53,594	46,746	-
UPRIIS		136,981	133,268	137,918	138,743	3,846
	NIS	136,981	133,268	137,918	138,743	3,846
	CIS					
CALABARZON		52,988	42,207	33,330	32,553	383
	NIS	29,034	20,679	16,410	16,167	383
	CIS	23,954	21,528	16,920	16,386	-
MIMAROPA		73,440	60,301	54,065	51,853	2,963
	NIS	30,732	22,264	21,284	20,322	1,273
	CIS	42,708	38,037	32,781	31,531	1,690
BICOL REGION		100,205	75,921	55,767	56,257	177
	NIS	24,016	24,001	20,999	20,585	177
	CIS	76,189	51,920	34,768	35,672	-
WESTERN VISAYAS		95,113	81,140	71,972	58,866	9,036
	NIS	53,885	47,060	44,486	34,598	6,786
	CIS	41,228	34,080	27,486	24,268	2,250
CENTRAL VISAYAS		44,241	37,287	28,339	32,825	3,647
	NIS	12,211	10,678	6,091	8,762	-
	CIS	32,030	26,609	22,248	24,063	3,647
EASTERN VISAYAS		61,231	60,131	43,715	43,335	-
	NIS	22,654	22,390	19,819	19,563	-
	CIS	38,577	37,741	23,896	23,772	-
ZAMBOANGA PENINSULA		48,367	41,118	36,480	34,786	641
	NIS	16,408	15,833	17,967	17,882	641
	CIS	31,959	25,285	18,513	16,904	-
NORTHERN MINDANAO		71,537	62,391	42,952	38,968	1,116
	NIS	37,965	31,481	23,658	20,202	1,034
	CIS	33,572	30,910	19,294	18,766	82
DAVAO REGION		67,828	64,259	52,596	51,494	-
	NIS	38,763	36,081	31,254	29,952	-
	CIS	29,065	28,178	21,342	21,542	-
SOCCSKSARGEN		142,944	132,384	113,247	110,119	3,496
	NIS	92,244	85,478	76,855	76,048	3,496
	CIS	50,700	46,906	36,392	34,071	
CARAGA		58,781	52,091	36,760	33,872	-
	NIS	33,302	29,243	23,425	23,402	-
	CIS	25,479	22,848	13,335	10,470	-

Source: National Irrigation Administration
Note: Totals may not add up due to rounding
- no available data

FUSA	Firmed-Up Service Area
MRIIS	Magat River Integrated Irrigation Systems (MRIIS)
UPRIIS	Upper Pampanga River Integrated Irrigation Systems (UPRIIS)
NIS	National Irrigation Systems
CIS	Communal Irrigation Systems

Table 2.7.1.
ROUNDWOOD PRODUCTION BY PRODUCT
2010 to 2019
(in thousand cubic meter)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Philippines	982	1,485	1,354	1,616	1,551	1,317	1,134	999	1,264	1,272
Log	557	871	862	1,166	1,102	842	790	733	884	948
Sawlog/Veneer Log	518	780	742	641	631	443	440	465	672	736
Pulpwood	35	87	116	518	465	395	347	264	206	208
Poles and Piles	4	4	4	7	6	4	3	4	6	4
Fuelwood/Firewood	425	614	492	450	449	475	344	266	380	324
Upland	66	97	59	40	42	49	42	27	32	35
Charcoal	359	517	433	410	407	426	302	239	348	289

Source: Forest Management Bureau

Table 2.7.2
PRODUCTION OF PROCESSED WOOD BY PRODUCT
2010 to 2019
(in thousand cubic meter)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lumber	377	372	218	450	496	322	425	360	370	246
Veneer	136	114	129	60	40	59	59	42	213	285
Plywood	276	300	297	199	164	146	152	175	189	210
Fiberboard	5	2	5	13	22	54	6	5	10	6
Blockboard	27	42	22	58	49	87	59	88	90	87

Source: Forest Management Bureau

Table 2.7.3
PRODUCTION OF NON-TIMBER FOREST PRODUCTS BY PRODUCT
2010 to 2019

	Unit	2010	2011	2012	2013	2014
Almaciga resin	kg	598,863	678,143	671,873	508,610	407,479
Anahaw leaves	pc	372,000	145,700	49,400	36,840	170,714
Anahaw poles	pc	30,374	25,456	25,897	17,061	31,588
Bamboo poles	pc	928,945	1,101,132	1,143,346	1,427,985	1,135,515
Buri midribs	kg	31,000	22,500	15,000	-	-
Nipa leaves	pc	509,000	377,200	60,000	37,200	64,000
Nipa shingles	pc	13,275,919	14,247,728	11,224,300	8,317,398	4,341,124
Diliman and other vines	pc	1,000	2,000	-	-	-
Salago fiber	kg	323,290	663,940	478,725	503,055	496,243
Split rattan	kg	2,787	35,364	182,397	141,363	128,842
Unsplit rattan	lm	3,756,863	4,515,414	2,711,291	2,523,830	2,465,225

- no available data

Table 2.7.3
PRODUCTION OF NON-TIMBER FOREST PRODUCTS BY PRODUCT (concluded)
2010 to 2019

	Unit	2015	2016	2017	2018	2019
Almaciga resin	kg	445,315	686,040	204,650	204,476	739,963
Anahaw leaves	pc	117,830	71,050	165,660	48,100	69,800
Anahaw poles	pc	34,792	22,657	13,183	17,563	27,453
Bamboo poles	pc	1,096,617	882,725	998,148	1,194,887	1,636,978
Buri midribs	kg	-	60,000	60,000	40,000	80,000
Nipa leaves	pc	-	-	-	-	-
Nipa shingles	pc	6,329,842	7,722,200	7,846,000	7,185,795	3,249,450
Diliman and other vines	pc	-	-	-	-	-
Salago fiber	kg	513,309	381,956	348,780	288,330	259,100
Split rattan	kg	57,305	188,108	123,008	170,489	414,146
Unsplit rattan	lm	3,511,502	2,381,038	1,767,680	3,834,856	3,228,824

- no available data

Source: Forest Management Bureau

Table 2.8.1
IMPORTS OF LOG AND PROCESSED FOREST PRODUCTS
2010 to 2019
(Volume in cubic meters; Value in US dollars, CIF)

	2010		2011		2012		2013		2014	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Total	251,157	108,177,194	379,456	185,014,735	480,631	216,791,744	584,864	264,288,437	684,142	293,869,047
Log	27,737	6,600,612	87,240	18,318,556	107,334	23,671,598	118,988	20,772,261	50,685	8,338,568
Lumber	136,574	55,196,603	159,974	77,311,893	218,607	98,925,060	240,197	123,074,085	207,362	108,932,244
Plywood	61,163	39,558,652	94,231	76,711,777	95,183	72,146,314	195,037	107,813,877	411,269	167,080,385
Veneer	25,683	6,821,327	38,011	12,672,509	59,507	22,048,772	30,642	12,628,214	14,826	9,517,850

- no available data

Source: Forest Management Bureau

Table 2.8.1 (concluded)
IMPORTS OF LOG AND PROCESSED FOREST PRODUCTS
2010 to 2019
(Volume in cubic meters; Value in US dollars, CIF)

	2015		2016		2017		2018		2019	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Total	1,558,692	255,336,140	983,249	366,150,220	978,383	311,576,535	303,208	73,312,003	222,413	81,360,918
Log	98,143	15,328,658	113,496	25,588,806	67,331	10,492,816	151,811	17,215,198	38,338	10,759,283
Lumber	1,144,691	80,883,393	326,799	119,764,380	254,200	57,908,305	73,522	28,145,431	110,508	45,653,255
Plywood	292,127	149,922,423	517,702	209,058,417	596,543	223,118,928	3,048	2,749,662	1,413	1,244,278
Veneer	23,732	9,201,666	25,252	11,738,617	60,309	20,056,486	74,827	25,201,712	72,154	23,704,102

- no available data

Source: Forest Management Bureau

Table 2.8.2
EXPORTS OF LOG AND PROCESSED FOREST PRODUCTS
2010 to 2019

	Unit	2010		2011		2012		2013		2014	
		Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)
Logs											
Sawlog/Veneer	cu.m.	5,447	175,254	2,609	140,156	417	167,756	133	131,264	39	36,985
Poles and Pile	cu.m.	-	-	-	-	-	-	-	-	-	-
Pulpwood	cu.m.	14	21,500	-	-	16	109,187	178	437,876	1,834	342,395
Fuelwood	net kg	-	-	-	-	-	-	4	21,504	259	13,502
Charcoal	net kg	37,282,214	11,622,828	29,382,940	11,715,704	50,619,298	27,929,977	35,750,058	52,366,943	69,669,928	37,888,303
Woodwaste	net kg	540,620	72,759	1,373,756	153,513	259,756	31,779	30,480	814	642,407	55,189
Lumber	cu.m.	376,956	10,587,288	404,533	24,376,941	391,663	28,045,972	239,565	74,131,958	310,070	69,420,008
Plywood	cu.m.	23,737	14,962,712	39,834	24,335,951	12,951	10,985,814	3,738	3,773,018	2,057	1,818,880
Veneer	cu.m.	3,108	2,057,490	14,633	1,346,726	32,048	13,475,345	2,784	3,078,430	3,681	3,268,638

- no exports

Table 2.8.2 (concluded)
EXPORTS OF LOG AND PROCESSED FOREST PRODUCTS
2010 to 2019

	Unit	2015		2016		2017		2018		2019	
		Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)	Volume/ Quantity	Value ('000 US$, FOB)
Logs											
Sawlog/Veneer	cu.m.	236	20,028	-	-	-	-	-	-	-	-
Poles and Pile	cu.m.	-	-	-	-	-	-	-	-	-	-
Pulpwood	cu.m.	2,296	207,453	-	-	-	-	-	-	-	-
Fuelwood	net kg	10	7,180	6	5,500	11	13,573	1,572	76,000	5,021	249,000.0
Charcoal	net kg	16,382,164	7,037,442	43,642,160	21,754,334	43,642,160	21,754,334	133,177,760	31,000	533,543,000	242,000
Woodwaste	net kg	1,248,155	88,293	151,400	8,248	10,824	10,298	-	-	-	-
Lumber	cu.m.	267,276	37,346,371	189,491	25,930,749	249,005	94,485,077	60,582	120,506,341	89,352	177,295,398
Plywood	cu.m.	761	400,878	864	418,388	25,830	54,465,589	12,006	23,438	-	-
Veneer	cu.m.	1,315	807,989	401	241,618	1,086	555,772	1,543	1,130,213	14,700	11,148,315

- no exports

Source: Forest Management Bureau

Table 2.8.3
EXPORTS OF SELECTED NON-TIMBER FOREST PRODUCTS
2010 to 2019
(Volume in kilograms, value in US dollars, FOB)

	2010		2011		2012		2013		2014	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Almaga Resin	65,207	90,350	123,000	226,380	45,002	79,217	74,311	95,915	48,706	39,825
Elemi Gum	162,370	388,020	372,433	976,670	88,900	192,600	48,525	119,284	86,616	174,093
Bamboo	29,629	26,204	6,347	5,539	105,861	30,520	24,242	11,033	61,877	14,067
Rattan Poles	16,375	25,207	456	5,574	110,704	94,762	236,438	277,973	345,282	634,128
Salago Fiber	244,400	168,391	618,700	407,357	432,000	297,304	417,000	301,783	443,400	323,304

- no exports

Source: Forest Management Bureau

Table 2.8.3 (concluded)
EXPORTS OF SELECTED NON-TIMBER FOREST PRODUCTS
2010 to 2019
(Volume in kilograms, value in US dollars, FOB)

	2015		2016		2017		2018		2019	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Almaga Resin	90,187	83,350	183,658	151,553	191,729	269,267	85,307	139,033	72,275	114,207
Elemi Gum	213,619	621,419	369,646	1,054,008	223,928	635,831	21,116	96,150	252,854	816,020
Bamboo	35,107	14,707	23,088	66,976	39,344	12,917	7,508	4,166	12,470	4,866
Rattan Poles	1,349,378	1,559,818	45,860	58,162	239,916	226,651	-	-	-	-
Salago Fiber	418,000	316,665	252,400	174,358	289,500	203,127	234,000	237,993	193,000	140,114

- no exports

Source: Forest Management Bureau

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Acetes (Alamang)										
Philippines	**3,128.1**	**3,773.1**	**3,089.9**	**1,464.6**	**1,608.0**	**1,301.1**	**2,874.3**	**427.7**	**440.6**	**297.9**
NCR	171.4	198.5	279.7	176.7	157.6	131.9	18.7	20.9	11.2	13.5
Metro Manila	171.4	198.5	279.7	176.7	157.6	131.9	18.7	20.9	11.2	13.5
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	18.3	8.4	7.3	6.2	5.7	3.8	2.4	7.9	15.6	9.4
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	18.3	8.4	7.3	6.2	5.7	3.8	2.4	7.9	15.6	9.4
Cagayan Valley	1,550.9	2,362.6	2,265.3	899.5	957.7	283.8	272.1	178.5	79.6	56.4
Cagayan	1,550.9	2,362.6	2,265.3	899.5	957.7	283.8	272.1	178.5	79.6	56.4
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	..	..	..	0.9	0.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	0.9	0.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	11.0	10.5	20.9	15.7	30.6	4.2	23.7	34.1	54.4	53.2
Batangas	..	..	10.2	12.8	4.8	4.2	..	..	..	..
Cavite	11.0	10.5	10.8	2.9	0.8	..	2.5	34.1	54.4	53.2
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	..	..	..	..	25.0	..	21.2	..	..	..
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	29.5	15.3	13.2	13.0	13.9	11.0	10.4	10.0	6.1	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	15.9	13.6	13.1	12.9	13.8	10.9	10.3	10.0	5.8	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	13.6	1.7	0.1	0.1	0.1	0.1	0.0	0.0	0.2	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	3.0	..	..	..	..	5.9	2.9	2.3	12.6	33.8
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	5.9	1.9	..	..	..
Camarines Sur	3.0	..	..	..	..	..	1.0	2.3	12.6	33.8
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	1,240.4	1,135.9	468.6	326.5	422.9	829.3	2,523.8	143.2	213.3	98.8
Aklan	14.4	15.7	5.4	..	..	0.2	1.0	5.1	4.9	11.4
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	1,226.0	1,120.2	463.1	326.5	422.9	829.1	2,522.7	138.1	208.4	87.5
Negros Occidental	..	..	..	..	..	..	0.2	..	..	..
Central Visayas	..	20.3	9.3	7.0	..	1.1	..	4.0	1.1	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	20.3	9.3	7.0	..	1.1	..	4.0	1.1	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	..	..	..	..	..	..	0.7	4.4	1.6	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	0.4	..
Samar	..	..	..	..	..	..	0.7	4.4	1.2	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	102.6	20.3	23.8	20.2	19.6	23.4	19.6	22.5	28.6	24.8
Zamboanga del Norte	23.8	20.3	23.8	20.2	19.6	23.4	19.6	20.6	23.1	24.8
.Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	78.8	..	..	..	..	..	..	1.9	5.4	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	0.1	..	..	..	..	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	0.1	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	6.6	..	..	..	..
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	..	4.4	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	2.2	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	15.8	7.3
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	15.8	7.3
ARMM	1.0	1.4	1.9	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	1.0	1.4	1.9	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Anchovies (Dilis)										
Philippines	**27,578.6**	**27,039.7**	**27,150.1**	**23,679.8**	**24,159.9**	**20,614.1**	**18,520.3**	**16,638.2**	**14,502.6**	**13,532.0**
NCR	237.1	225.5	153.5	177.2	225.9	170.3	248.4	167.6	141.5	354.5
Metro Manila	237.1	225.5	153.5	177.2	225.9	170.3	248.4	167.6	141.5	354.5
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	136.1	156.5	96.2	60.4	86.7	95.2	144.7	98.8	41.2	29.4
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1.4	3.9	3.6	6.3	6.6	5.7	4.4	4.2	4.9	8.4
Pangasinan	134.7	152.6	92.6	54.0	80.2	89.6	140.3	94.6	36.3	21.0
Cagayan Valley	1,267.0	1,154.8	1,043.5	1,163.8	1,244.1	1,327.5	1,252.1	898.8	731.9	611.0
Cagayan	1,267.0	1,154.8	1,043.5	1,163.8	1,244.1	1,327.5	1,252.1	898.8	731.9	611.0
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	26.8	11.8	11.1	13.0	21.3	34.8	20.9	53.2	33.2	27.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	12.0	11.8	11.1	13.0	21.3	34.8	20.9	53.2	33.2	24.3
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	14.8	..	..	..	..	..	..	..	..	3.0
CALABARZON	2,884.8	2,776.4	1,751.0	617.6	1,564.2	1,158.3	736.2	295.5	160.9	443.7
Batangas	85.4	109.8	61.6	36.9	22.1	7.4	18.5	5.1	..	..
Cavite	522.8	541.4	198.3	226.1	355.1	384.0	222.0	136.4	84.7	111.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	2,276.6	2,125.2	1,491.1	354.6	1,187.0	766.9	495.7	154.1	76.3	331.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	3,277.6	3,030.5	2,713.8	2,439.0	2,291.6	2,211.7	2,138.9	1,988.8	1,336.9	918.1
Marinduque	7.7	8.2	8.1	2.5	2.2	1.7	3.8	..	..	..
Occidental Mindoro	523.1	475.0	469.3	467.8	498.9	507.2	475.5	468.9	281.8	139.3
Oriental Mindoro	144.3	140.2	147.7	148.7	163.8	191.6	100.5	112.1	56.1	..
Palawan	2,602.6	2,407.1	2,088.8	1,820.1	1,626.7	1,511.3	1,559.1	1,407.8	979.8	778.8
Romblon	..	..	..	..	..	..	..	..	19.2	..
Bicol Region	8,419.1	8,518.5	9,382.0	9,636.5	9,789.9	8,566.1	7,477.9	6,927.9	5,844.3	4,395.6
Albay	883.4	945.3	865.9	899.1	923.5	916.3	882.4	903.5	818.5	831.0
Camarines Norte	305.2	269.8	276.3	287.6	285.0	120.1	34.2	65.3	95.4	26.0
Camarines Sur	2,786.7	2,768.0	2,755.6	2,601.7	2,428.2	2,034.2	1,812.2	1,611.4	1,380.0	607.5
Catanduanes	..	..	..	6.2	6.7	6.7	7.0	4.3	3.9	2.3
Masbate	4,222.9	4,284.5	5,200.5	5,540.7	5,755.2	5,117.0	4,469.0	4,159.3	3,320.4	2,695.2
Sorsogon	220.8	251.0	283.7	301.3	391.4	371.8	273.2	184.2	226.1	233.7
Western Visayas	1,639.8	1,920.3	1,525.6	1,150.5	741.7	612.2	720.2	978.2	809.6	725.2
Aklan	29.1	28.1	35.6	32.1	32.4	28.9	29.8	28.4	33.5	29.7
Antique	17.4	22.6	28.1	38.9	45.6	43.4	66.5	45.4	16.4	13.7
Capiz	857.5	966.0	806.0	468.5	160.0	243.5	235.0	139.3	235.7	104.3
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	670.4	869.6	617.5	556.1	467.2	249.4	118.7	519.9	409.5	297.9
Negros Occidental	65.4	34.0	38.4	54.8	36.6	47.0	270.3	245.2	114.5	279.6
Central Visayas	519.4	727.8	665.0	432.2	472.2	458.4	492.9	407.4	525.2	873.3
Bohol	0.8	..	..	..	..	..	2.2	8.4	23.6	34.0
Cebu	499.2	705.4	635.1	407.7	293.0	306.6	376.6	371.3	415.0	826.3
Negros Oriental	19.4	22.3	29.9	24.5	179.3	151.8	114.2	27.8	86.6	12.9
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	1,905.5	1,791.2	1,913.1	831.3	517.5	425.0	363.1	340.4	252.3	691.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	5.6	1.9	5.2	..	..	..	..	..
Leyte	1,643.4	1,517.3	1,572.3	459.2	223.9	178.6	46.7	118.4	..	..
Northern Samar	119.0	131.6	160.2	172.9	181.6	188.8	200.5	179.8	174.9	154.5
Samar	143.2	142.4	175.0	197.3	106.8	57.6	116.0	41.0	77.4	536.5
Southern Leyte	..	..	..	..	..	..	..	1.2	..	..
Zamboanga Peninsula	2,340.6	1,845.7	1,518.6	1,482.0	2,267.4	1,380.2	1,544.2	1,525.4	1,844.1	1,848.2
Zamboanga del Norte	384.3	417.7	240.9	263.5	219.5	217.4	310.8	313.2	328.4	391.1
Zamboanga del Sur	1,070.0	969.5	923.0	961.9	1,113.5	1,074.3	1,114.6	1,099.1	1,398.9	1,354.9
Zamboanga Sibugay	341.6	266.9	188.0	90.3	67.3	69.8	100.1	107.9	108.2	96.3
City of Zamboanga	544.7	191.7	166.7	166.4	867.2	18.7	18.7	5.2	8.6	5.9
Nothern Mindanao	871.4	780.2	835.4	987.0	995.4	1,061.7	1,073.5	992.0	910.2	913.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	871.4	780.2	835.4	987.0	995.4	1,061.7	1,073.5	989.2	910.2	913.4
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	0.0	..	..	..	2.8	..	..
Davao Region	497.9	570.8	1,685.5	987.3	546.7	210.2	82.9	2.8	93.5	0.9
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	496.1	570.2	1,684.5	985.4	544.6	207.8	63.4	0.4	93.5	0.9
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	18.6	..	..	..
City of Davao	1.8	0.7	1.0	1.9	2.1	2.4	1.0	2.3	..	..
SOCCSKSARGEN	109.8	134.3	813.7	641.2	435.0	77.9	78.6	0.9	..	76.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	14.2	10.9	1.2	..	..	0.9	..	2.2
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	109.8	134.3	799.5	630.2	433.8	77.9	78.6	..	..	74.3
Caraga	256.2	176.9	171.2	201.6	179.3	155.6	157.3	160.3	139.6	84.3
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	247.2	172.9	155.5	179.8	174.2	155.6	116.9	127.6	97.4	70.6
Surigao del Sur	9.0	4.1	15.7	21.8	5.1	..	40.4	32.7	42.2	13.8
ARMM	3,189.5	3,218.5	2,871.1	2,859.4	2,780.9	2,668.9	1,988.5	1,800.4	1,638.4	1,539.8
Basilan	182.9	172.5	166.6	155.9	155.4	163.0	17.0	17.0	39.9	42.2
Lanao del Sur	94.4	95.0	94.1	120.2	163.0	146.8	131.4	132.1	103.8	75.5
Maguindanao	142.4	151.5	..	..	..	..	..	..	..	..
Sulu	2,753.9	2,784.4	2,598.4	2,566.2	2,445.3	2,340.5	1,820.4	1,630.8	1,477.6	1,404.8
Tawi-tawi	15.8	15.2	12.0	17.1	17.2	18.7	19.6	20.4	17.2	17.3

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Big-eyed scad (Matangbaka)										
Philippines	**44,643.4**	**42,692.8**	**42,795.5**	**47,116.9**	**44,830.1**	**42,995.4**	**46,239.5**	**41,772.8**	**41,368.7**	**39,952.3**
NCR	1,441.6	2,518.0	2,099.6	2,013.2	1,197.4	886.6	650.5	1,235.2	539.5	272.2
Metro Manila	1,441.6	2,518.0	2,099.6	2,013.2	1,197.4	886.6	650.5	1,235.2	539.5	272.2
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	365.6	630.6	223.6	209.9	213.3	143.4	117.4	108.2	116.3	122.3
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	61.0	57.1	85.7	73.3	73.5	70.2	73.8	69.7	67.4	68.2
Pangasinan	304.6	573.5	137.9	136.6	139.8	73.1	43.7	38.5	48.9	54.1
Cagayan Valley	848.7	704.1	709.9	501.8	505.2	508.0	504.9	427.6	376.6	324.9
Cagayan	848.7	704.1	709.9	501.8	505.2	508.0	504.9	427.6	376.6	324.9
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	30.7	83.3	44.9	41.9	52.4	59.3	30.1	87.1	166.9	180.2
Aurora	1.5	1.2	0.9	0.8	0.8	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	29.2	82.2	44.0	41.1	51.6	59.3	30.1	87.1	166.9	180.2
CALABARZON	1,634.5	1,568.0	1,592.0	1,300.9	1,846.8	1,542.6	2,047.3	1,588.6	734.3	829.6
Batangas	298.4	285.4	234.6	259.8	140.5	149.5	262.5	290.4	375.4	324.2
Cavite	26.7	36.6	36.7	67.3	89.9	102.6	66.5	128.4	115.1	143.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,309.5	1,246.0	1,320.7	973.7	1,616.4	1,290.5	1,718.3	1,169.8	243.8	362.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,941.1	1,915.1	1,623.9	1,656.6	1,731.5	1,765.4	826.0	842.2	738.2	804.2
Marinduque	21.4	7.4	5.3	6.9	7.6	8.4	9.9	17.3	31.5	75.1
Occidental Mindoro	204.4	193.6	187.4	185.9	188.2	193.4	192.0	190.8	142.3	145.2
Oriental Mindoro	41.6	41.1	43.1	47.4	47.5	50.2	45.0	52.6	49.9	56.7
Palawan	1,610.6	1,603.7	1,327.5	1,389.9	1,466.9	1,487.8	559.2	535.3	425.2	442.9
Romblon	63.1	69.3	60.7	26.6	21.3	25.6	20.1	46.1	89.2	84.5
Bicol Region	1,492.9	1,575.4	1,638.1	2,157.1	2,188.4	2,099.2	2,033.3	1,926.8	1,541.2	1,113.0
Albay	419.6	456.7	488.7	500.7	519.8	536.7	523.4	564.7	523.6	469.4
Camarines Norte	271.8	262.2	269.8	302.8	307.9	506.4	526.4	421.1	259.6	178.4
Camarines Sur	737.4	810.8	823.9	793.3	814.0	740.9	630.9	569.7	494.1	361.0
Catanduanes	16.9	14.4	13.7	13.7	13.6	10.8	10.6	8.0	6.3	4.5
Masbate	8.0	..	..	440.6	307.1	290.3	334.8	362.0	245.5	92.4
Sorsogon	39.3	31.3	42.0	105.9	226.0	14.1	7.3	1.3	12.1	7.3
Western Visayas	2,704.5	2,859.7	2,292.3	3,035.1	2,958.2	3,315.8	2,520.6	2,176.4	3,258.3	3,863.6
Aklan	23.6	26.6	28.6	44.9	58.3	60.1	61.7	55.2	59.2	56.6
Antique	706.5	657.8	623.2	607.4	587.4	595.3	542.1	476.4	399.9	384.6
Capiz	1,015.3	988.0	873.0	967.4	913.5	1,579.8	1,172.0	936.8	1,333.3	1,077.2
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	812.5	1,073.4	653.1	1,234.6	1,181.4	862.7	321.9	375.9	1,172.1	1,932.5
Negros Occidental	146.5	113.9	114.4	180.8	217.6	217.9	422.9	332.2	293.8	412.7
Central Visayas	2,452.5	2,117.1	2,599.7	2,354.7	1,888.4	2,129.8	1,608.0	1,150.5	1,621.1	1,899.4
Bohol	354.9	246.9	183.1	145.7	125.9	57.1	128.9	193.5	176.3	384.8
Cebu	1,588.3	1,363.3	1,876.3	1,662.6	1,281.1	1,670.1	1,094.6	697.3	908.2	702.7
Negros Oriental	509.4	507.0	540.3	546.4	481.4	402.6	384.5	259.7	536.7	811.9
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	1,848.7	1,996.5	2,368.1	1,961.2	1,664.9	1,705.4	1,203.1	769.0	613.9	647.8
Biliran	87.9	92.9	66.6	69.4	71.5	72.8	76.2	61.7	63.1	86.8
Eastern Samar	..	..	..	..	..	..	39.2	168.0	122.3	30.6
Leyte	1,081.7	1,168.9	1,613.7	1,174.1	829.9	888.2	512.3	113.3	33.9	49.9
Northern Samar	176.3	178.3	162.9	168.8	180.4	193.6	193.9	202.7	188.4	164.9
Samar	360.9	398.1	387.5	345.6	306.1	279.9	221.3	188.4	178.2	282.3
Southern Leyte	142.0	158.4	137.3	203.3	277.1	270.9	160.2	34.9	28.1	33.4
Zamboanga Peninsula	15,536.8	11,425.6	12,822.8	17,282.8	15,995.5	15,400.0	22,819.9	19,547.8	18,469.4	17,072.4
Zamboanga del Norte	1,185.2	1,513.2	998.3	1,278.7	1,474.7	2,448.2	2,627.2	2,980.5	3,272.5	3,671.2
Zamboanga del Sur	2,862.2	3,286.8	3,413.3	3,786.4	3,848.0	3,946.2	3,677.5	3,588.2	3,401.6	2,605.3
Zamboanga Sibugay	1,086.7	398.8	320.6	194.3	216.8	208.0	141.8	117.4	120.1	107.0
City of Zamboanga	10,402.7	6,226.8	8,090.6	12,023.4	10,456.0	8,797.6	16,373.3	12,861.8	11,675.2	10,689.0
Nothern Mindanao	2,874.0	2,705.7	2,411.5	2,312.9	2,228.5	2,011.2	2,172.4	2,244.7	2,300.0	2,234.8
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	17.4	13.3	17.7	5.2	21.1	5.9	17.2	24.0	37.5	28.3
Lanao del Norte	612.8	559.9	466.5	521.1	488.4	502.7	558.7	593.8	580.9	588.6
Misamis Occidental	2,033.6	1,801.9	1,699.8	1,630.7	1,530.9	1,307.7	1,319.3	1,267.7	1,244.9	1,168.2
Misamis Oriental	210.2	330.6	227.4	155.9	188.1	194.9	277.3	359.3	436.7	449.7
Davao Region	975.3	1,608.2	1,731.3	1,348.6	833.9	658.3	419.3	303.0	273.2	171.9
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	423.7	738.9	1,041.4	840.8	317.6	241.3	181.7	101.3	46.3	2.7
Davao Occidental	.	.	.	.	.	.	.	.	.	8.2
Davao Oriental	509.0	807.6	660.2	486.9	482.4	394.7	209.1	175.5	205.6	154.5
City of Davao	42.7	61.7	29.7	20.9	33.8	22.3	28.6	26.2	21.2	6.5
SOCCSKSARGEN	1,357.2	1,595.5	1,567.7	1,718.8	2,075.0	1,130.6	1,554.1	1,803.1	1,833.6	1,398.4
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	26.4	34.2	30.6	37.2	22.7	11.7	8.9	9.5	12.1	20.5
Sultan Kudarat	492.5	498.9	472.4	451.8	529.0	515.7	486.8	512.4	304.6	182.1
South Cotabato	838.3	1,062.5	1,064.7	1,229.8	1,523.3	603.3	1,058.3	1,281.2	1,516.9	1,195.8
Caraga	294.2	257.9	297.4	304.4	194.4	215.6	199.8	204.2	205.8	172.9
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	292.8	249.3	283.7	288.0	172.2	199.1	170.4	190.1	162.5	122.5
Surigao del Sur	1.4	8.6	13.7	16.4	22.2	16.5	29.4	14.1	43.3	50.4
ARMM	8,845.2	9,132.0	8,772.9	8,917.2	9,256.5	9,424.3	7,532.8	7,358.4	8,580.6	8,844.8
Basilan	3,659.6	3,805.4	3,502.5	3,591.1	3,717.1	3,853.6	2,104.1	1,933.2	3,000.1	3,137.3
Lanao del Sur	318.3	318.7	315.1	321.0	343.5	287.8	129.5	131.7	103.9	53.1
Maguindanao	163.0	144.4	146.0	142.3	144.5	96.3	110.4	119.5	117.0	119.2
Sulu	4,644.6	4,799.5	4,766.0	4,815.6	4,996.5	5,122.9	5,119.6	5,104.1	5,285.6	5,464.4
Tawi-tawi	59.7	64.0	43.4	47.3	54.9	63.7	69.3	69.8	73.9	70.8

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bigeye tuna (Tambakol/ Bariles)										
Philippines	**8,575.3**	**6,021.6**	**7,889.2**	**6,886.7**	**6,188.3**	**5,258.5**	**7,721.1**	**18,981.3**	**21,932.2**	**6,296.6**
NCR	140.0	..	..	..	..	125.7	191.3	265.6	238.4	271.6
Metro Manila	140.0	..	..	..	..	125.7	191.3	265.6	238.4	271.6
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	13.5	15.5	10.7	18.9	18.9	21.2	27.6	27.1	34.2	30.2
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	13.5	15.5	10.7	18.9	18.9	21.2	27.6	27.1	34.2	30.2
Cagayan Valley	29.9	28.3	15.1	22.9	23.4	33.5	29.3	26.1	19.5	16.1
Cagayan	29.9	28.3	15.1	22.9	23.4	33.5	29.3	26.1	19.5	16.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	227.8	89.6	71.8	58.3	57.3	52.1	18.8	48.3	141.1	188.4
Aurora	0.9	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	1.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	227.0	89.6	71.8	58.3	57.3	52.1	18.8	48.3	141.1	187.4
CALABARZON	465.1	482.9	1,279.1	1,583.0	1,054.5	563.0	1,410.9	1,181.9	698.2	1,260.5
Batangas	17.4	72.1	46.1	10.9	36.2	7.0	119.8	195.8	99.5	72.7
Cavite	..	..	9.6	43.1	58.7	433.4	399.0	240.0	171.2	289.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	447.7	410.8	1,223.4	1,529.1	959.6	122.7	892.2	746.1	427.6	898.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	900.2	232.0	218.9	232.5	232.5	226.0	271.8	285.0	212.1	151.5
Marinduque	..	..	..	..	..	..	2.7	2.6	9.5	0.4
Occidental Mindoro	221.7	142.1	135.4	141.8	140.6	133.7	154.2	176.3	160.9	114.9
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	658.3	60.5	23.5	17.9	16.7	18.6	31.2	44.9	28.9	11.9
Romblon	20.2	29.4	60.1	72.7	75.2	73.7	83.8	61.2	12.8	24.3
Bicol Region	434.9	490.6	506.8	485.8	515.5	545.6	649.1	754.4	730.2	556.6
Albay	434.9	490.6	504.1	480.1	496.1	488.0	487.1	537.2	511.8	497.3
Camarines Norte	..	..	..	..	..	51.7	137.4	56.7	71.5	23.0
Camarines Sur	..	..	..	..	..	..	17.6	16.8	18.3	11.6
Catanduanes	..	..	2.7	5.8	6.1	5.9	6.9	7.2	6.7	7.6
Masbate	..	..	..	..	..	..	..	135.0	122.0	15.5
Sorsogon	..	..	..	..	13.4	..	..	1.5	..	1.5
Western Visayas	135.3	181.5	246.9	297.2	581.8	662.3	494.6	363.4	558.0	1,330.4
Aklan	4.4	4.5	4.0	6.2	5.7	8.3	8.1	7.4	15.9	16.7
Antique	24.1	22.5	15.6	13.2	14.5	9.4	15.0	13.5	12.1	15.0
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	70.9	147.3	215.5	267.0	511.1	616.3	435.8	236.9	472.0	878.9
Negros Occidental	35.8	7.2	11.7	10.8	50.6	28.3	35.7	105.6	58.1	420.0
Central Visayas	63.8	53.2	27.7	28.7	51.6	13.4	12.2	132.5	84.1	1.0
Bohol	0.7	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	63.1	53.2	27.7	28.7	51.6	13.4	12.2	132.5	84.1	1.0
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	2,409.1	1,487.7	1,912.1	737.3	591.2	448.7	702.9	514.1	574.6	232.4
Biliran	6.0	15.3	3.1	2.8	2.7	2.4	1.6	11.6	..	..
Eastern Samar	1,094.5	209.7	218.1	179.6	137.5	96.4	296.9	328.6	226.9	73.1
Leyte	984.0	1,020.6	1,482.5	371.7	329.6	241.7	295.0	70.0	180.2	5.4
Northern Samar	174.2	171.3	132.5	116.5	100.5	87.9	80.2	71.5	92.2	119.7
Samar	59.0	..	..	..	..	..	29.2	31.8	64.4	7.1
Southern Leyte	91.5	70.8	76.0	66.8	21.0	20.4	..	0.6	11.0	27.1
Zamboanga Peninsula	1,283.4	772.6	1,376.7	789.8	271.9	292.1	297.3	256.1	368.1	429.9
Zamboanga del Norte	22.3	..	4.9	..	..	..	..	..	..	..
Zamboanga del Sur	145.3	168.8	257.8	239.7	269.4	286.7	288.2	256.1	350.0	424.6
Zamboanga Sibugay	189.0	12.2	2.6	1.6	2.5	..	..	..	18.1	5.3
City of Zamboanga	926.9	591.6	1,111.3	548.6	..	5.3	9.1	..	..	..
Nothern Mindanao	402.8	260.0	275.2	252.4	250.0	272.1	338.8	348.1	330.3	327.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	363.5	212.3	201.9	173.8	178.8	204.3	272.3	286.7	270.4	275.0
Misamis Occidental	18.4	47.7	73.4	74.6	71.1	67.8	66.6	61.4	55.1	52.1
Misamis Oriental	21.0	..	..	4.0	..	..	..	..	4.8	..
Davao Region	665.5	684.9	634.8	1,143.0	1,292.2	930.7	730.4	441.2	278.0	268.9
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	8.6	..	..	..	26.6	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	8.0	..	..	..	..	..	..	..	..	..
City of Davao	648.9	684.9	634.8	1,143.0	1,265.6	930.7	730.4	441.2	278.0	268.9
SOCCSKSARGEN	324.9	226.8	321.7	297.7	366.9	230.8	1,744.0	13,441.1	16,718.1	156.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	2.6	2.0	2.5	3.3	3.9	1.4	2.7	3.4	3.8	6.0
Sultan Kudarat	72.5	48.9	24.9	26.6	30.8	40.2	38.9	42.0	27.3	55.2
South Cotabato	249.9	176.0	294.4	267.8	332.2	189.3	1,702.5	13,395.8	16,687.0	95.3
Caraga	72.2	33.8	55.0	43.0	39.8	47.9	79.2	240.5	289.5	405.5
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	52.9	26.5	46.1	35.6	33.1	43.1	48.5	60.5	43.8	48.9
Surigao del Sur	19.3	7.3	8.9	7.4	6.7	4.7	30.7	179.9	245.7	356.6
ARMM	1,006.9	982.1	936.6	896.2	841.0	793.4	722.9	656.0	658.1	669.9
Basilan	20.6	16.8	14.6	13.6	13.9	12.2	31.5	66.6	82.8	78.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	33.3
Maguindanao	4.0	4.8	4.6	4.6	4.7	3.6	3.8	21.2	19.9	19.5
Sulu	975.2	953.0	907.5	861.3	802.7	752.5	659.9	539.0	508.5	489.2
Tawi-tawi	7.2	7.6	9.9	16.7	19.7	25.2	27.7	29.2	46.9	49.3

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Blue crab (Alimasag)										
Philippines	**1,580.8**	**1,349.6**	**1,103.6**	**1,064.9**	**1,178.0**	**815.5**	**1,109.3**	**1,392.8**	**1,240.0**	**1,225.8**
NCR	164.7	75.3	80.8	84.0	164.5	102.6	117.0	208.5	210.6	240.2
Metro Manila	164.7	75.3	80.8	84.0	164.5	102.6	117.0	208.5	210.6	240.2
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	12.1	9.1	9.6	18.2	15.0	15.3	16.3	20.0	26.8	24.6
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	3.0	3.8	6.9	8.9	9.8	9.6	9.6	9.2	8.3	5.2
Pangasinan	9.1	5.3	2.7	9.3	5.2	5.8	6.7	10.8	18.6	19.4
Cagayan Valley	3.6	7.1	6.3	5.0	1.7	2.2	1.5	1.5	1.3	1.1
Cagayan	3.6	7.1	6.3	5.0	1.7	2.2	1.5	1.5	1.3	1.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	46.6	56.0	47.4	48.5	55.1	37.8	39.0	36.7	8.8	22.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	16.8
Bulacan	46.6	56.0	47.4	48.5	55.1	37.8	39.0	36.7	8.8	6.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	124.7	113.2	140.4	149.5	294.1	195.8	167.9	331.3	473.7	372.0
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	101.9	113.2	140.4	149.5	294.1	150.8	167.7	200.3	245.0	235.2
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	22.8	..	..	..	..	45.0	0.2	131.0	228.8	136.9
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	76.8	82.2	123.8	84.9	90.3	87.4	38.4	64.8	22.6	23.4
Marinduque	..	..	..	..	..	..	0.2	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	0.7	0.5	0.5	0.4	0.4	0.5	..	..	..	0.0
Palawan	76.2	81.7	123.4	84.6	89.9	87.0	38.2	64.8	22.6	23.4
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	147.1	127.5	85.6	114.8	132.4	47.3	49.1	53.6	60.7	59.9
Albay	18.8	30.5	46.9	79.2	100.3	32.9	38.2	45.8	52.5	50.8
Camarines Norte	28.1	25.3	26.0	29.8	28.5	9.0	..	..	..	..
Camarines Sur	11.1	9.0	8.8	2.0	..	0.6	10.7	7.9	8.2	9.1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	81.9	62.7	..	..	..	..	..	..	..	..
Sorsogon	7.1	..	3.8	3.8	3.7	4.7	0.2	..	..	..
Western Visayas	703.9	647.9	414.6	254.8	269.6	213.0	428.9	522.1	309.4	376.0
Aklan	..	0.3	0.1	0.5	0.1	12.0	2.8	2.8	2.4	0.8
Antique	..	..	..	..	0.2	0.2	..	..	..	..
Capiz	398.4	342.0	143.0	15.2	..	..	..	..	..	1.4
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	100.9	103.4	71.9	17.4	13.2	17.5	15.3	0.1	14.0	125.1
Negros Occidental	204.7	202.2	199.6	221.7	256.1	183.2	410.8	519.2	293.0	248.7
Central Visayas	4.8	4.2	4.2	3.2	0.5	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	4.8	4.2	4.2	3.2	0.5	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	277.5	187.5	153.7	231.8	126.3	83.1	115.9	77.2	67.5	17.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	3.7	2.0	1.7	27.9	1.5	3.0	..	..	..	..
Northern Samar	28.7	25.5	24.1	19.5	16.3	13.2	13.1	10.6	13.7	12.9
Samar	245.1	160.0	128.0	184.4	108.6	67.0	102.8	66.7	53.8	4.6
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	1.5	9.2	0.9	0.9	0.3	5.4	70.5	52.7	31.2	47.7
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	3.2	33.9
Zamboanga Sibugay	1.5	9.2	0.9	0.9	0.3	..	70.5	52.7	28.0	13.8
City of Zamboanga	..	..	..	..	..	5.4	..	..	..	..
Nothern Mindanao	1.4	14.5	21.3	53.2	18.1	18.4	18.7	11.5	9.4	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	1.4	13.3	21.3	53.2	18.1	18.4	18.7	11.5	9.4	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	1.2	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	28.8	..	..	0.2
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	..	..	28.8	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	0.2
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	1.1	1.3	..	..
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	1.1	1.3	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	1.5	..	..	2.9	..	..	0.1	..	1.1	24.3
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	1.5	..	..	..	..	..	0.1	..	..	..
Surigao del Sur	..	..	..	2.9	..	..	..	..	1.1	24.3
ARMM	14.7	15.9	15.1	13.4	10.2	7.2	16.3	11.5	16.9	15.9
Basilan	..	..	..	..	..	..	1.8	2.6	..	..
Lanao del Sur	..	..	..	..	..	6.0	9.0	8.9	10.5	8.8
Maguindanao	14.7	15.9	15.1	13.4	10.2	1.3	5.5	..	6.4	7.1
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Caesio (Dalagang-bukid)										
Philippines	**6,839.7**	**5,466.9**	**7,057.9**	**5,819.1**	**5,143.6**	**6,169.3**	**4,275.7**	**4,086.2**	**3,283.9**	**4,450.5**
NCR	2,614.7	1,381.6	2,780.3	2,439.3	1,809.4	2,036.8	1,923.7	1,876.2	1,221.3	1,675.3
Metro Manila	2,614.7	1,381.6	2,780.3	2,439.3	1,809.4	2,036.8	1,923.7	1,876.2	1,221.3	1,675.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	26.1	27.2	19.8	23.9	36.4	38.6	36.1	31.0	34.5	37.3
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	26.1	27.2	19.8	23.9	36.4	38.6	36.1	31.0	34.5	37.3
Cagayan Valley	339.9	290.6	230.1	231.8	226.4	209.8	170.8	146.8	123.4	106.8
Cagayan	339.9	290.6	230.1	231.8	226.4	209.8	170.8	146.8	123.4	106.8
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	28.4	5.8	0.1	0.1	0.1	4.3	6.1	19.3	68.4	84.2
Aurora	0.1	0.1	0.1	0.1	0.1	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	28.3	5.7	..	..	..	4.3	6.1	19.3	68.4	84.2
CALABARZON	557.9	313.2	601.9	404.4	408.3	971.3	430.7	443.1	439.9	623.1
Batangas	331.8	299.7	597.5	404.4	406.2	861.7	233.9	242.5	269.1	405.5
Cavite	..	..	..	..	..	93.4	196.8	169.7	132.1	191.3
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	226.0	13.5	4.3	..	2.2	16.2	..	30.9	38.7	26.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,471.6	1,603.5	1,747.4	1,340.5	1,514.8	1,478.4	653.3	775.6	635.8	856.2
Marinduque	..	..	..	..	..	..	..	0.4	..	..
Occidental Mindoro	82.2	76.4	70.5	71.9	80.9	83.2	79.0	93.9	305.5	558.7
Oriental Mindoro	14.4	14.0	13.5	12.4	10.8	9.5	8.2	8.9	..	2.7
Palawan	1,375.0	1,513.1	1,663.4	1,256.2	1,423.1	1,385.7	566.1	672.3	320.4	294.9
Romblon	..	..	..	..	..	..	..	..	10.0	..
Bicol Region	104.2	188.7	263.2	283.7	296.4	258.7	230.4	240.9	200.9	162.9
Albay	9.9	68.3	128.2	172.3	195.8	189.6	187.5	199.8	167.8	162.7
Camarines Norte	18.0	16.7	19.4	19.4	26.6	17.7	..	..	..	..
Camarines Sur	76.4	103.8	115.6	92.0	74.0	51.3	43.0	41.2	28.6	..
Catanduanes	..	..	..	..	..	..	..	..	0.2	0.2
Masbate	..	..	..	..	..	..	..	..	4.3	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	254.9	575.9	307.5	281.9	316.7	324.4	265.8	168.7	160.8	262.9
Aklan	8.4	11.9	7.2	7.2	7.8	6.0	8.8	12.7	19.6	21.9
Antique	206.7	157.3	166.4	146.7	147.6	265.8	211.8	137.5	91.5	38.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	32.7	22.1	0.5	53.2	48.8	42.8	4.5	3.4	16.3	159.0
Negros Occidental	7.1	384.5	133.5	74.8	112.6	9.9	40.8	15.2	33.5	43.3
Central Visayas	57.0	43.1	28.4	29.0	5.0	2.5	41.7	51.8	21.3	55.9
Bohol	..	..	..	..	..	2.0	8.1	..	3.3	..
Cebu	57.0	43.1	28.4	29.0	2.9	..	15.7	46.1	14.7	55.9
Negros Oriental	..	..	..	..	2.1	0.5	18.0	5.7	3.3	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	410.5	373.1	242.9	310.4	25.7	94.8	77.3	44.2	120.3	173.3
Biliran	15.3	15.0	12.5	11.9	13.0	12.5	11.2	18.0	19.9	23.4
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	370.6	348.9	224.5	293.5	10.3	73.0	..	9.3	..	..
Northern Samar	14.5	9.3	5.9	5.1	2.5	2.1	1.9	2.1	2.6	1.2
Samar	10.1	..	..	..	..	7.2	64.2	14.9	97.7	148.4
Southern Leyte	..	..	..	..	..	..	..	..	..	0.3
Zamboanga Peninsula	173.3	151.1	434.0	64.5	91.4	339.5	67.5	58.2	63.1	195.2
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	5.9	0.3	..	..	..	..	..	..	3.8	106.1
Zamboanga Sibugay	42.4	..	..	..	..	..	..	10.0	7.5	18.2
City of Zamboanga	125.0	150.8	434.0	64.5	91.4	339.5	67.5	48.1	51.8	70.9
Nothern Mindanao	418.9	239.1	171.5	194.0	201.5	213.2	191.2	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	418.9	239.1	171.5	194.0	201.5	213.2	191.2	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	149.1	51.0	..	..	..	..	5.5	0.5	0.9	0.5
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	148.9	51.0	..	..	..	..	5.5	0.5	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.9	0.5
City of Davao	0.3	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	52.0	32.5	16.8	24.8	28.6	10.6	0.6	..	0.1	4.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	0.1	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	52.0	32.5	16.8	24.8	28.6	10.6	0.6	..	..	4.5
Caraga	24.8	37.7	67.6	29.5	24.0	3.3	11.0	44.7	14.5	28.3
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	24.8	36.7	58.8	18.0	9.2	..	10.5	13.8	10.7	17.5
Surigao del Sur	..	0.9	8.8	11.5	14.8	3.3	0.5	30.8	3.8	10.8
ARMM	156.5	152.9	146.5	161.3	158.9	183.1	164.0	185.4	178.9	184.4
Basilan	..	..	..	..	..	..	..	13.9	..	..
Lanao del Sur	27.1	28.4	28.1	38.4	34.0	55.3	29.9	29.9	25.7	16.7
Maguindanao	15.3	11.9	9.0	9.2	9.1	9.1	9.4	18.5	19.4	20.5
Sulu	86.6	84.3	84.7	86.7	90.7	92.2	97.1	95.2	97.6	99.8
Tawi-tawi	27.5	28.3	24.6	27.1	25.2	26.6	27.6	27.8	36.2	47.4

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cavalla (Talakitok)										
Philippines	**8,229.5**	**7,360.8**	**6,209.7**	**5,949.3**	**5,749.1**	**5,636.4**	**4,700.6**	**3,632.8**	**3,431.8**	**4,018.8**
NCR	72.7	52.7	61.1	91.9	59.0	171.6	215.5	225.5	149.2	138.2
Metro Manila	72.7	52.7	61.1	91.9	59.0	171.6	215.5	225.5	149.2	138.2
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	25.2	21.1	31.9	43.7	43.4	48.7	49.8	50.6	73.1	79.2
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	8.9	4.7	15.6	22.6	23.3	22.5	23.5	27.6	43.8	49.1
Pangasinan	16.3	16.4	16.4	21.1	20.0	26.2	26.3	23.0	29.3	30.1
Cagayan Valley	327.6	283.5	194.9	218.6	206.4	193.2	148.5	118.4	104.4	88.8
Cagayan	327.6	283.5	194.9	218.6	206.4	193.2	148.5	118.4	104.4	88.8
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	3.8	0.6	0.4	0.4	0.4	3.5	5.2	65.7	241.7	258.3
Aurora	0.8	0.6	0.4	0.4	0.4	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	0.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	3.0	..	..	..	..	3.5	5.2	65.7	241.7	257.7
CALABARZON	492.9	697.2	840.5	1,454.3	1,278.1	785.5	157.6	231.2	210.3	233.3
Batangas	31.5	31.2	33.4	23.5	21.4	4.2	29.0	21.9	24.5	22.3
Cavite	32.7	34.8	24.8	30.1	25.3	55.3	73.1	133.7	111.3	108.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	428.6	631.2	782.4	1,400.6	1,231.4	726.0	55.5	75.6	74.5	102.7
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,579.3	1,419.1	1,074.3	954.7	936.7	897.8	733.1	754.6	585.9	583.2
Marinduque	..	..	..	..	..	..	0.1	4.5	0.6	..
Occidental Mindoro	58.5	56.3	55.1	54.2	58.4	59.4	57.5	60.8	102.0	105.1
Oriental Mindoro	46.8	45.7	40.8	36.3	32.6	28.8	38.3	19.1	11.0	1.7
Palawan	1,472.5	1,308.0	978.4	864.2	845.7	809.6	630.4	658.4	465.6	471.7
Romblon	1.5	9.1	..	..	..	..	6.8	11.8	6.8	4.8
Bicol Region	333.5	334.9	356.0	318.9	205.1	186.8	145.9	131.7	150.6	133.2
Albay	105.4	120.4	127.8	105.5	..	75.0	58.2	65.0	72.4	71.7
Camarines Norte	115.1	103.0	108.7	112.4	117.7	43.8	19.1	4.8	17.9	23.4
Camarines Sur	84.2	87.8	97.0	76.1	61.0	40.6	46.7	41.4	38.8	11.7
Catanduanes	28.9	23.7	22.6	24.9	26.4	23.3	21.3	15.8	13.5	10.6
Masbate	..	..	..	..	..	..	..	4.8	8.0	13.3
Sorsogon	..	..	..	..	..	4.1	0.7	..	..	2.7
Western Visayas	2,442.8	2,499.6	1,685.0	1,272.1	1,510.5	1,595.1	939.6	360.5	422.6	485.2
Aklan	8.2	10.3	11.1	9.2	9.6	10.3	10.6	19.6	28.0	25.6
Antique	143.1	117.3	87.3	75.0	80.1	214.8	208.9	130.6	71.9	45.5
Capiz	10.1	6.7	5.4	2.5	0.6	0.4	..	..	0.6	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	2,200.3	1,858.4	1,435.6	1,075.0	1,275.6	1,200.5	696.0	185.9	118.4	336.5
Negros Occidental	81.0	507.0	145.7	110.5	144.7	169.1	24.1	24.4	203.6	77.6
Central Visayas	258.9	253.1	266.3	235.5	179.8	208.9	360.5	155.5	62.4	81.3
Bohol	0.6	1.5	2.5	10.0	1.3	7.0	..	9.6	6.8	1.2
Cebu	240.0	215.0	204.9	157.5	154.8	178.6	322.5	131.7	51.1	74.7
Negros Oriental	18.4	36.6	58.8	68.0	23.7	23.3	38.0	14.2	4.6	5.4
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	823.3	616.6	622.5	171.1	68.0	70.9	66.8	64.9	106.1	183.9
Biliran	5.1	5.7	3.8	3.0	2.9	2.7	2.9	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	732.7	528.6	537.3	92.0	..	8.0	22.9	8.3	4.6	17.1
Northern Samar	49.0	44.7	46.0	41.8	36.4	32.1	28.4	27.6	33.2	34.3
Samar	36.5	37.6	35.4	34.4	28.7	28.1	12.7	29.1	68.4	132.5
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	902.6	371.8	305.8	319.2	342.9	572.1	639.1	317.6	373.7	782.6
Zamboanga del Norte	..	..	2.7	..	..	..	..	..	..	..
Zamboanga del Sur	75.3	95.6	81.6	86.3	96.3	114.0	117.1	107.1	151.6	394.6
Zamboanga Sibugay	368.7	128.1	113.3	123.8	130.5	133.5	72.0	46.5	74.4	128.4
City of Zamboanga	458.6	148.2	108.2	109.2	116.2	324.5	450.0	164.1	147.6	259.6
Nothern Mindanao	400.6	200.9	176.9	290.1	270.0	259.3	225.8	233.5	214.6	223.0
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	0.1	..
Lanao del Norte	400.6	198.1	176.9	290.0	270.0	259.3	225.8	233.5	214.6	220.9
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	2.8	..	0.1	..	..	..	..	..	2.2
Davao Region	0.7	1.0	..	2.2	24.3	11.2	13.5	51.1	1.2	2.9
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	0.7	24.3	11.2	13.5	2.7	..	1.3
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	1.5	..	..	..	48.5	1.2	1.6
City of Davao	0.7	1.0	..	..	..	..	..	..	..	..
SOCCSKSARGEN	10.1	24.3	19.5	16.8	25.4	16.0	326.0	11.5	49.3	8.4
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	0.8	..	..	..	..	..	0.4	1.6	0.8	1.3
Sultan Kudarat	..	..	..	..	..	..	..	..	5.0	1.8
South Cotabato	9.3	24.3	19.5	16.8	25.4	16.0	325.6	9.9	43.5	5.2
Caraga	37.8	64.1	57.4	26.8	32.7	29.4	11.8	18.6	18.5	24.6
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	37.8	60.1	55.2	24.7	24.3	20.8	11.8	15.3	12.6	15.1
Surigao del Sur	..	4.1	2.2	2.2	8.4	8.6	..	3.3	5.9	9.5
ARMM	517.9	520.4	517.2	532.9	566.5	586.4	661.8	842.0	668.1	712.8
Basilan	..	..	..	..	..	..	55.5	222.4	33.0	31.4
Lanao del Sur	32.1	32.1	31.9	34.4	44.4	46.2	32.8	31.1	26.2	58.9
Maguindanao	14.1	13.9	12.6	13.6	14.2	10.6	11.3	23.5	33.7	35.8
Sulu	436.3	440.1	441.1	446.7	472.4	488.7	515.7	515.5	520.9	531.5
Tawi-tawi	35.3	34.3	31.6	38.3	35.5	40.8	46.5	49.6	54.3	55.2

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Crevalle (Salay-salay)										
Philippines	**12,064.7**	**10,689.1**	**10,185.0**	**9,952.2**	**9,790.9**	**11,178.4**	**13,510.7**	**8,231.0**	**6,039.5**	**6,069.8**
NCR	139.9	60.9	38.4	80.7	96.9	80.0	136.4	206.2	97.2	104.4
Metro Manila	139.9	60.9	38.4	80.7	96.9	80.0	136.4	206.2	97.2	104.4
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	81.1	46.2	40.2	49.3	60.7	59.1	58.5	68.2	79.1	86.6
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	44.8	18.3	14.6	19.4	19.9	20.1	21.5	31.8	39.1	48.4
Pangasinan	36.3	27.9	25.7	29.9	40.8	38.9	37.0	36.4	40.0	38.2
Cagayan Valley	126.0	125.9	132.9	158.0	159.7	152.6	125.6	104.5	89.8	66.8
Cagayan	126.0	125.9	132.9	158.0	159.7	152.6	125.6	104.5	89.8	66.8
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	6.9	13.4	22.9	22.3	24.8	35.9	131.5	39.9	111.3	146.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	2.0	1.3	129.4	..	1.8	27.5
Bulacan	..	..	..	..	..	..	..	..	2.5	2.8
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	6.9	13.4	22.9	22.3	22.8	34.6	2.1	39.9	106.9	115.8
CALABARZON	224.5	235.4	125.8	96.5	478.5	234.7	122.7	214.9	222.2	148.7
Batangas	..	2.6	7.6	..	0.7	5.2	6.9	1.1	..	..
Cavite	111.5	150.1	67.4	23.3	15.7	71.9	98.6	193.6	117.1	119.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	113.1	82.7	50.9	73.2	462.1	157.6	17.1	20.2	105.1	29.2
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,176.1	1,155.4	1,150.0	1,345.0	1,410.8	1,193.5	877.6	831.0	670.5	705.0
Marinduque	..	..	..	3.6	..	..	0.7	4.5	..	..
Occidental Mindoro	87.3	80.7	82.6	82.5	85.3	86.8	85.6	81.3	59.1	61.6
Oriental Mindoro	18.9	18.8	17.3	17.5	19.2	19.5	10.4	14.1	13.7	5.9
Palawan	1,069.9	1,055.5	1,050.1	1,241.3	1,306.2	1,087.3	776.4	731.1	597.7	637.6
Romblon	..	0.4	..	..	..	..	4.5	..	..	..
Bicol Region	459.4	492.3	510.9	520.5	459.7	291.3	748.7	661.8	258.1	229.3
Albay	116.0	157.2	168.3	181.4	113.5	120.5	121.4	129.4	114.5	117.6
Camarines Norte	95.2	87.2	88.7	98.9	98.6	32.2	137.1	39.5	15.7	11.3
Camarines Sur	90.0	89.6	106.0	96.3	96.0	82.5	88.4	94.8	79.0	55.7
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	151.5	158.3	147.8	123.9	114.7	55.9	401.9	398.1	49.0	42.9
Sorsogon	6.7	..	..	20.1	37.0	0.2	..	0.0	..	1.9
Western Visayas	6,428.0	5,940.3	5,477.2	4,536.7	4,631.2	3,806.0	5,205.2	4,026.5	2,382.2	1,954.8
Aklan	22.4	22.5	24.0	21.9	20.7	18.4	21.8	17.4	22.7	21.7
Antique	12.2	10.8	9.8	15.0	29.6	29.6	42.5	27.7	14.9	12.6
Capiz	860.0	847.0	696.0	580.5	40.4	96.2	27.8	48.5	67.1	101.3
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	3,615.0	3,515.0	3,121.9	2,883.2	3,095.2	2,438.7	4,084.0	2,927.6	1,504.9	1,401.7
Negros Occidental	1,918.4	1,545.1	1,625.6	1,036.1	1,445.3	1,223.1	1,029.1	1,005.3	772.6	417.5
Central Visayas	474.8	473.5	504.7	1,198.4	908.7	1,187.2	754.7	344.5	54.5	18.6
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	469.0	465.5	497.4	1,192.4	901.8	1,181.3	753.0	342.4	54.5	18.6
Negros Oriental	5.8	8.0	7.3	6.0	6.9	5.9	1.7	2.2	..	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	146.3	147.7	136.6	186.0	157.5	148.9	311.1	268.4	297.1	629.7
Biliran	6.6	0.4	0.0	0.0	0.0	0.0	0.3	88.0	85.2	129.8
Eastern Samar	..	..	..	..	..	..	..	2.7	..	..
Leyte	14.9	12.8	4.2	18.9	16.4	15.2	..	11.7	7.1	0.3
Northern Samar	81.9	101.4	103.7	105.5	95.5	92.4	81.0	74.3	62.6	51.8
Samar	42.9	33.2	28.7	61.5	45.6	41.2	229.8	91.6	142.3	447.9
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	1,837.1	1,131.9	1,269.4	984.5	583.4	3,103.2	4,226.9	598.7	918.5	1,121.6
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	858.7	402.1	547.0	370.6	445.5	547.2	406.5	404.5	423.3	414.1
Zamboanga Sibugay	657.6	252.5	183.3	121.0	88.3	114.9	75.8	74.6	73.2	69.2
City of Zamboanga	320.7	477.3	539.1	492.9	49.6	2,441.1	3,744.6	119.6	422.0	638.3
Region X (Nothern Mindanao)	333.4	218.8	182.8	178.9	201.2	220.1	188.8	192.7	201.7	208.5
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	333.4	218.6	182.8	176.7	201.2	220.1	188.8	192.7	194.0	194.6
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	0.2	..	2.2	..	..	..	..	7.7	13.9
Region XI (Davao Region)	88.9	90.0	51.1	23.5	10.2	9.6	12.0	2.1	6.4	0.9
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	0.1	..	..	..	5.9	0.2	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	88.9	90.0	51.0	23.5	10.2	9.6	6.2	1.9	6.4	0.9
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.8	7.6	2.0	0.6	5.1	..	..	1.3	..	11.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	1.3	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	7.1
South Cotabato	1.8	7.6	2.0	0.6	5.1	..	..	..	..	4.1
Caraga	23.5	23.4	14.3	16.7	16.4	14.0	5.6	9.7	10.4	6.1
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	23.5	22.6	14.3	16.7	16.4	14.0	5.6	9.7	9.8	4.0
Surigao del Sur	..	0.8	..	..	..	..	..	..	0.7	2.2
ARMM	517.0	526.5	525.8	554.5	586.0	642.4	605.2	660.6	640.6	631.6
Basilan	107.0	114.4	108.9	122.4	138.0	144.8	66.3	111.5	100.1	106.4
Lanao del Sur	5.1	5.2	5.1	13.2	12.3	42.2	47.7	47.6	33.7	17.5
Maguindanao	9.0	7.5	6.4	6.2	5.4	4.4	6.9	12.0	17.3	18.8
Sulu	371.7	374.3	380.4	382.7	395.5	412.2	443.7	450.0	448.0	447.5
Tawi-tawi	24.1	25.1	24.9	30.0	34.9	38.9	40.5	39.5	41.6	41.5

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Eastern little tuna (Bonito)										
Philippines	**23,102.8**	**21,494.6**	**21,650.3**	**22,178.9**	**20,985.0**	**20,184.5**	**21,227.5**	**20,439.2**	**21,362.0**	**19,989.8**
NCR	42.4	67.8	134.6	585.3	135.6	358.2	143.1	148.2	80.0	166.9
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	31.3	5.6	7.3	16.9	11.7	18.5	22.5	23.0	36.3	37.5
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	1.6	1.3	1.0	1.0	1.1	1.2	2.4	7.3	12.8
Pangasinan	31.3	4.0	6.0	16.0	10.7	17.4	21.3	20.7	29.0	24.7
Cagayan Valley	666.4	542.1	399.4	424.1	426.1	421.3	427.1	399.2	345.1	246.6
Cagayan	666.4	542.1	399.4	424.1	426.1	421.3	427.1	399.2	345.1	246.6
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	282.0	162.6	45.4	181.7	147.1	106.3	65.1	408.0	752.4	985.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	50.4
Bulacan	..	..	..	..	..	..	..	..	..	0.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	282.0	162.6	45.4	181.7	147.1	106.3	65.1	408.0	752.4	935.1
CALABARZON	133.7	3.7	6.1	3.2	16.1	20.4	5.8	..	6.8	..
Batangas	..	..	..	..	1.6	..	..	..	..	..
Cavite	..	3.4	6.1	3.2	14.6	10.0	0.4	..	6.8	..
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	133.7	0.4	..	..	..	10.3	5.4	..	..	..
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	329.3	323.4	353.8	356.6	449.5	402.7	282.1	310.6	228.9	199.4
Marinduque	..	..	..	..	..	..	5.0	5.5	..	..
Occidental Mindoro	183.3	180.7	181.7	182.9	198.3	208.8	205.4	230.5	141.4	92.0
Oriental Mindoro	2.3	2.0	2.3	6.0	7.5	31.2	35.7	53.3	78.1	52.8
Palawan	139.9	140.6	169.9	167.8	220.3	156.4	32.6	14.8	9.5	11.7
Romblon	3.9	..	..	..	23.4	6.4	3.4	6.5	..	42.8
Bicol Region	641.0	549.7	578.6	441.9	439.9	429.1	428.9	454.1	780.6	448.5
Albay	638.7	549.7	578.6	441.9	439.9	429.1	426.8	451.4	415.5	387.5
Camarines Norte	..	..	..	..	..	..	..	0.2	0.1	..
Camarines Sur	..	..	..	..	..	..	2.1	2.5	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	1.8	..	..	..	..	..	..	..	365.0	61.0
Sorsogon	0.5	..	..	..	..	..	..	..	..	..
Western Visayas	1,554.5	697.0	403.3	376.7	327.6	345.0	211.3	409.1	1,321.5	162.6
Aklan	28.6	27.3	33.1	37.1	39.9	36.0	33.2	37.9	48.0	42.6
Antique	50.0	33.3	22.0	25.7	30.6	37.6	34.5	67.1	46.2	36.6
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	1,383.0	576.7	312.8	274.5	169.3	217.9	60.7	95.6	1,123.0	6.1
Negros Occidental	93.0	59.8	35.4	39.4	87.8	53.5	82.9	208.5	104.3	77.3
Central Visayas	1,254.9	880.7	825.6	703.0	545.0	411.0	255.8	195.8	343.6	235.6
Bohol	24.8	1.5	3.1	..	..	..	10.3	0.2	17.5	1.8
Cebu	695.8	442.0	422.0	403.0	317.0	204.0	130.9	82.5	..	17.9
Negros Oriental	534.3	437.2	400.5	300.0	228.0	207.0	114.6	113.0	326.1	215.9
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	708.9	673.4	799.8	549.8	487.7	332.9	609.3	514.4	550.9	345.8
Biliran	12.3	12.3	7.6	7.4	7.1	6.7	5.1	33.6	35.8	39.8
Eastern Samar	..	..	..	..	..	..	234.3	233.9	263.5	91.6
Leyte	406.9	372.3	534.3	232.6	161.3	..	..	0.1	3.6	..
Northern Samar	122.0	134.2	117.9	131.9	134.8	144.1	133.0	119.0	103.4	80.1
Samar	..	..	..	4.9	..	..	4.2	10.6	80.1	97.4
Southern Leyte	167.7	154.4	140.0	173.0	184.5	182.1	232.7	117.3	64.5	37.0
Zamboanga Peninsula	5,472.0	5,889.8	5,021.8	6,126.2	6,046.0	5,543.8	5,011.9	5,679.9	4,739.8	4,467.3
Zamboanga del Norte	1,167.5	1,009.9	507.0	708.5	530.9	582.6	741.6	877.0	917.6	852.5
Zamboanga del Sur	1,544.0	2,115.1	2,816.8	3,538.9	4,009.1	4,383.2	4,248.7	4,230.1	3,766.0	3,119.7
Zamboanga Sibugay	123.1	24.5	47.3	47.2	59.8	69.4	21.3	2.8	3.9	..
City of Zamboanga	2,637.4	2,740.4	1,650.7	1,831.6	1,446.3	508.6	0.3	570.0	52.2	495.1
Nothern Mindanao	1,742.6	1,358.4	1,387.5	1,028.2	1,066.3	1,006.7	1,095.5	1,063.3	977.1	986.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	0.9	..	..	18.9	15.0	1.2	2.3
Lanao del Norte	721.1	560.6	592.6	261.3	302.3	290.4	315.0	331.3	345.2	365.5
Misamis Occidental	1,021.6	793.5	794.9	766.0	761.0	715.0	761.4	716.8	627.2	602.8
Misamis Oriental	..	4.2	..	..	3.0	1.3	0.2	0.2	3.4	15.8
Davao Region	220.1	132.2	236.3	175.3	253.7	176.3	187.5	65.7	68.3	64.0
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	5.1	5.0	..	31.6	0.2	5.8	2.9
Davao Occidental	.	.	.	.	.	.	.	.	.	10.8
Davao Oriental	220.1	132.2	236.3	170.2	248.7	176.3	155.9	65.5	62.4	50.4
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	581.3	476.3	1,512.3	1,087.2	708.8	102.0	2,031.3	316.2	124.4	63.3
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	1.4	9.6	6.0	16.3	3.3	..	..	5.6	4.0	2.0
Sultan Kudarat	247.5	247.4	229.5	223.7	224.0	93.6	79.8	87.2	81.8	44.5
South Cotabato	332.3	219.2	1,276.8	847.3	481.5	8.5	1,951.5	223.5	38.6	16.8
Caraga	28.0	190.6	102.1	75.6	82.9	124.8	214.8	329.1	401.9	397.9
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	28.0	28.4	38.1	33.4	39.4	95.2	99.7	135.9	144.1	125.8
Surigao del Sur	..	162.2	64.0	42.1	43.5	29.7	115.1	193.2	257.8	272.1
ARMM	9,414.5	9,541.5	9,836.5	10,047.3	9,841.0	10,385.6	10,235.8	10,122.5	10,604.6	11,182.3
Basilan	274.7	306.9	307.2	315.9	324.9	344.7	190.7	196.3	298.6	312.8
Lanao del Sur	6.9	7.3	7.2	14.1	12.0	36.0	35.0	35.1	26.0	15.5
Maguindanao	7.8	8.9	8.4	7.4	6.8	1.8	0.9	..	..	..
Sulu	9,105.0	9,199.4	9,490.9	9,682.0	9,467.5	9,968.8	9,973.3	9,853.7	10,247.8	10,822.4
Tawi-tawi	20.2	19.1	22.8	27.9	29.9	34.2	35.9	37.5	32.2	31.6

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Fimbriated sardines (Tunsoy)										
Philippines	**55,176.0**	**51,670.0**	**48,440.8**	**47,780.3**	**53,285.3**	**43,114.4**	**39,343.1**	**42,062.1**	**45,131.4**	**35,810.8**
NCR	150.3	557.4	1,490.7	1,631.4	1,580.5	1,649.6	545.4	678.1	114.8	223.0
Metro Manila	150.3	557.4	1,490.7	1,631.4	1,580.5	1,649.6	545.4	678.1	114.8	223.0
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	9.1	35.3	19.9	17.0	14.2	14.3	6.9	8.3	12.9	6.7
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	6.6	4.7	5.7	4.4	4.5	4.4	..	0.2	1.6	3.0
Pangasinan	2.5	30.6	14.3	12.7	9.7	10.0	6.9	8.0	11.3	3.7
Cagayan Valley	390.5	403.0	258.6	302.3	282.4	283.1	237.9	187.7	154.0	136.0
Cagayan	390.5	403.0	258.6	302.3	282.4	283.1	237.9	187.7	154.0	136.0
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	40.0	52.5	30.3	35.4	3,398.3	2,462.6	884.7	1,427.3	604.7	136.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	3,358.7	2,424.9	865.4	1,387.4	556.0	73.4
Bulacan	40.0	52.5	30.3	35.4	39.6	37.7	18.6	40.0	11.7	24.8
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	0.6	..	36.9	37.9
CALABARZON	2,397.3	2,761.4	2,611.6	2,457.2	5,437.5	5,649.4	4,391.3	4,475.9	4,874.7	2,944.2
Batangas	..	..	..	..	0.9	..	..	..	..	..
Cavite	87.0	125.9	562.5	557.1	634.2	596.3	199.3	261.6	194.4	225.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	2,310.3	2,635.6	2,049.0	1,900.2	4,802.4	5,053.0	4,191.9	4,214.3	4,680.3	2,718.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,864.6	1,645.9	1,414.3	1,534.0	1,469.5	1,435.7	1,560.0	1,612.0	1,189.0	1,297.6
Marinduque	..	..	..	..	..	..	1.5	..	..	..
Occidental Mindoro	234.3	222.3	214.5	213.9	215.9	216.7	211.4	205.1	130.0	100.7
Oriental Mindoro	29.9	25.0	23.9	26.3	51.2	85.1	90.7	41.9	58.8	60.3
Palawan	1,600.4	1,398.6	1,175.9	1,293.9	1,202.3	1,133.9	1,256.3	1,365.1	1,000.2	1,136.5
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	17,816.0	17,471.1	17,418.6	16,921.9	16,164.6	14,812.7	14,007.4	15,235.4	21,494.9	15,077.3
Albay	859.9	737.0	845.0	635.8	636.4	597.8	581.9	622.2	555.3	527.4
Camarines Norte	399.7	374.2	383.1	395.6	399.1	233.4	181.2	239.3	212.6	107.0
Camarines Sur	9,958.8	10,093.1	9,891.9	9,639.2	9,405.9	8,265.1	6,999.5	6,293.5	5,434.7	3,253.9
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	2,848.3	2,832.0	2,832.1	2,992.7	2,948.9	2,604.0	2,019.0	2,182.0	2,222.5	1,378.0
Sorsogon	3,749.3	3,434.8	3,466.6	3,258.5	2,774.2	3,112.4	4,225.7	5,898.4	13,069.8	9,811.0
Western Visayas	8,651.3	7,492.2	6,887.3	4,740.6	9,996.2	3,031.9	4,237.3	5,780.8	3,692.8	3,300.8
Aklan	15.7	14.1	15.1	15.8	23.3	28.8	26.7	26.5	24.5	28.3
Antique	..	..	..	..	..	..	11.0	12.4	11.6	8.6
Capiz	3,622.7	3,707.0	3,928.0	2,907.0	8,622.3	1,726.6	2,187.0	3,143.7	1,295.3	1,607.2
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	2,561.5	2,128.9	1,294.1	961.4	823.0	744.9	717.1	1,271.1	987.2	577.3
Negros Occidental	2,451.4	1,642.3	1,650.2	856.3	527.6	531.6	1,295.5	1,327.2	1,374.2	1,079.5
Central Visayas	4,461.0	4,568.7	3,316.9	2,322.5	1,707.1	1,901.0	2,477.2	2,257.4	1,811.0	1,584.7
Bohol	21.4	17.4	13.8	6.0	5.6	23.0	20.9	0.2	0.2	0.8
Cebu	3,935.6	4,030.6	2,766.8	1,818.5	891.1	1,212.6	1,729.7	1,819.3	1,494.8	909.8
Negros Oriental	504.0	520.7	536.3	498.0	810.3	665.5	726.6	437.9	316.1	674.2
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	3,279.3	3,210.5	2,697.8	1,761.2	1,012.4	1,079.5	931.0	1,238.5	425.9	426.4
Biliran	10.0	4.2	2.3	2.3	1.4	1.2	2.7	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	394.2	375.0	277.9	268.0	6.3	1.2	10.2	23.7	8.8	..
Northern Samar	95.6	97.6	158.4	167.0	175.6	193.2	198.6	197.1	178.1	166.6
Samar	569.4	788.8	769.5	463.5	289.1	370.6	189.3	464.2	166.7	217.8
Southern Leyte	2,210.0	1,944.9	1,489.7	860.4	540.1	513.3	530.2	553.5	72.2	42.0
Zamboanga Peninsula	9,090.3	6,406.0	5,777.9	9,414.7	5,713.8	3,930.5	4,624.4	4,454.1	4,623.2	4,581.0
Zamboanga del Norte	3,262.0	2,975.9	3,190.9	3,500.0	2,570.3	2,731.5	3,114.9	3,174.9	3,463.3	2,707.1
Zamboanga del Sur	689.5	518.1	611.5	896.6	1,037.9	1,077.5	1,205.4	1,083.7	970.3	1,066.2
Zamboanga Sibugay	17.1	83.1	46.0	30.9	116.7	36.4	304.2	192.7	147.7	154.2
City of Zamboanga	5,121.6	2,828.9	1,929.5	4,987.3	1,988.9	85.0	..	2.8	42.0	653.4
Nothern Mindanao	2,754.8	2,747.8	2,611.2	2,822.7	2,576.2	2,585.5	2,692.9	2,702.9	2,460.7	2,338.6
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	9.8	..	..	..	..	..	..	..	..
Misamis Occidental	2,754.8	2,738.0	2,611.2	2,822.7	2,576.2	2,585.5	2,691.9	2,702.9	2,460.7	2,338.6
Misamis Oriental	..	..	..	..	..	..	1.0	..	..	..
Davao Region	..	..	..	..	45.9	10.0	33.9	..	..	1.1
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	45.9	10.0	33.9	..	..	1.1
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	5.2	42.3	51.7	9.3	99.3	436.9	229.1	0.2	214.3	140.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	0.2
South Cotabato	5.2	42.3	51.7	9.3	99.3	436.9	229.1	0.2	214.3	140.1
Caraga	251.9	254.9	243.9	202.1	154.5	206.0	209.4	242.8	202.1	257.0
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	251.9	254.9	243.9	202.1	154.5	206.0	209.4	238.6	202.1	178.9
Surigao del Sur	..	..	..	..	..	..	..	4.2	..	78.1
ARMM	4,014.4	4,021.1	3,610.1	3,608.1	3,633.2	3,625.8	2,274.7	1,760.8	3,256.5	3,360.2
Basilan	2,966.4	2,985.8	2,570.8	2,569.8	2,571.6	2,562.0	1,199.3	664.0	2,148.8	2,215.4
Lanao del Sur	6.4	6.5	6.3	16.2	12.0	32.8	34.9	34.9	26.1	42.5
Maguindanao	6.9	4.1	..	..	..	2.1	2.2	..	..	..
Sulu	1,006.7	996.7	1,006.6	987.1	1,018.9	995.5	1,008.3	1,030.9	1,042.7	1,060.2
Tawi-tawi	27.9	28.0	26.4	35.0	30.7	33.4	30.0	31.0	38.9	42.1

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Flying fish (Bolador)										
Philippines	**6,260.5**	**4,546.1**	**3,724.7**	**3,038.2**	**2,400.7**	**2,937.1**	**3,034.3**	**2,211.5**	**2,874.3**	**2,266.1**
National Capital Region (NCR)	2.2	..	..	..	..	5.4	83.7	48.2	32.5	37.2
Metro Manila	2.2	..	..	..	..	5.4	83.7	48.2	32.5	37.2
Cordillera Administrative Region	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	..	..	..	7.7	8.4	5.5	14.3	9.5	11.8	11.5
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	7.7	8.4	5.5	14.3	9.5	11.8	11.5
Cagayan Valley	34.5	29.5	26.8	22.3	29.5	35.0	24.7	19.4	16.3	13.0
Cagayan	34.5	29.5	26.8	22.3	29.5	35.0	24.7	19.4	16.3	13.0
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	0.8	0.1	..	..	..	..	1.3	3.7	10.8	12.4
Aurora	0.8	0.1	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	1.3	3.7	10.8	12.4
CALABARZON	3.8	..	2.8	13.3	32.5	0.2	2.9	9.5	31.8	51.4
Batangas	..	..	..	..	12.5	..	..	..	..	..
Cavite	..	..	..	11.7	12.5	..	1.0	0.6	..	..
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	3.8	..	2.8	1.6	7.5	0.2	2.0	8.9	31.8	51.4
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	50.6	65.1	85.2	64.1	73.3	76.5	52.0	49.4	70.0	72.8
Marinduque	..	..	..	..	..	..	2.8	..	..	..
Occidental Mindoro	10.2	9.5	9.0	9.5	9.3	9.3	9.7	10.2	14.2	21.2
Oriental Mindoro	10.0	9.9	..	..	..	..	0.3	..	..	..
Palawan	30.5	45.7	76.2	54.7	64.0	67.3	39.2	39.2	55.7	51.6
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	143.1	181.8	275.0	270.8	265.6	343.5	206.8	81.1	71.4	58.7
Albay	..	0.4	2.3	1.5	..	..	..	..	..	8.0
Camarines Norte	..	..	..	..	..	..	5.0	2.8	..	..
Camarines Sur	33.4	29.4	33.4	28.0	25.0	18.2	7.0	5.8	4.6	24.7
Catanduanes	..	..	..	..	..	..	4.0	3.7	3.6	2.2
Masbate	..	..	..	..	..	..	2.9	4.4	..	..
Sorsogon	109.6	152.0	239.3	241.3	240.6	325.3	187.9	64.4	63.2	23.8
Western Visayas	21.8	27.4	27.0	21.5	21.0	24.9	184.5	114.3	106.2	59.8
Aklan	16.4	14.3	16.4	14.5	13.4	15.9	12.3	6.8	5.9	6.4
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	1.0	2.7	6.4	0.9	0.4	..	..	1.7	42.4	10.3
Negros Occidental	4.5	10.3	4.2	6.1	7.3	9.0	172.2	105.7	57.9	43.1
Central Visayas	510.9	294.0	178.2	325.4	522.2	449.7	478.4	239.9	718.6	317.5
Bohol	3.6	..	..	..	112.7	108.1	30.1	64.9	223.2	108.3
Cebu	459.3	271.3	164.8	312.9	399.4	340.6	383.1	90.8	399.3	163.7
Negros Oriental	48.0	22.8	13.4	12.5	10.1	1.0	65.2	84.2	96.1	45.6
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	3,687.4	2,460.0	1,622.9	889.5	373.2	534.4	276.6	186.5	80.5	51.4
Biliran	9.6	0.0	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	3,599.5	2,386.0	1,550.2	817.1	303.9	465.6	204.2	18.9	..	0.9
Northern Samar	78.3	74.0	72.7	72.4	69.3	68.7	69.6	68.6	33.8	34.5
Samar	..	..	..	..	..	..	2.8	12.5	23.4	..
Southern Leyte	..	..	..	..	..	..	..	86.6	23.3	16.0
Zamboanga Peninsula	271.8	168.2	157.0	144.3	4.9	140.4	172.6	18.4	100.6	147.8
Zamboanga del Norte	..	..	0.1	..	..	..	..	..	..	..
Zamboanga del Sur	270.0	20.6	..	..	..	..	0.4	..	91.5	147.8
Zamboanga Sibugay	1.8	..	..	..	..	..	..	..	8.5	..
City of Zamboanga	..	147.6	156.9	144.3	4.9	140.4	172.2	18.4	0.6	..
Nothern Mindanao	590.2	529.1	476.0	470.8	469.2	457.7	516.6	538.6	550.6	547.3
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	590.2	529.1	476.0	470.4	469.2	455.8	516.5	534.8	547.5	547.3
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	0.5	..	1.9	0.1	3.9	3.1	..
Davao Region	0.4	..	3.4	..	2.1	19.6	..	..	3.5	10.1
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	0.4	..	3.4	..	2.1	19.6	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	3.5	10.1
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	915.2	736.2	856.3	780.8	560.7	788.3	907.2	847.3	921.0	656.6
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	28.0	23.9	38.6	38.5	24.4	16.9	12.7	7.8	3.2	1.9
Sultan Kudarat	89.3	84.3	71.1	79.8	58.3	45.6	29.9	26.1	..	0.5
South Cotabato	797.9	628.0	746.7	662.5	478.0	725.8	864.6	813.3	917.8	654.2
Caraga	23.6	44.8	8.3	20.7	32.5	45.5	99.3	33.3	131.9	201.5
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	23.6	44.8	8.3	20.7	30.8	45.5	24.0	25.7	18.2	11.2
Surigao del Sur	..	..	..	..	1.8	..	75.3	7.6	113.7	190.3
ARMM	4.3	10.0	5.8	7.2	5.7	10.6	13.4	12.5	16.8	17.2
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	4.9	7.2	7.5	8.9	8.1
Maguindanao	4.3	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	10.0	5.8	7.2	5.7	5.7	6.3	5.0	7.9	9.1

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Frigate tuna (Tulingan)										
Philippines	**80,621.7**	**70,462.1**	**72,572.6**	**73,647.2**	**74,973.6**	**78,859.5**	**77,097.8**	**65,200.6**	**57,955.0**	**59,418.6**
NCR	5,854.3	3,716.3	3,827.7	5,490.7	6,144.3	9,822.9	10,848.7	5,880.1	1,451.6	5,322.5
Metro Manila	5,854.3	3,716.3	3,827.7	5,490.7	6,144.3	9,822.9	10,848.7	5,880.1	1,451.6	5,322.5
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	9.8	13.5	13.3	23.1	24.1	41.1	224.6	422.0	46.7	1,040.1
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	0.7	0.8	0.8	0.7	0.7	0.6	0.5	0.3	0.3	0.3
La Union	6.4	6.4	5.9	5.0	5.2	2.9	..	..	..	..
Pangasinan	2.7	6.4	6.6	17.3	18.3	37.6	224.1	421.7	46.4	1,039.9
Cagayan Valley	1,226.9	1,161.4	853.8	825.1	899.4	1,058.6	1,009.1	913.7	689.2	519.7
Cagayan	1,226.9	1,161.4	853.8	825.1	899.4	1,058.6	1,009.1	913.7	689.2	519.7
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	448.6	494.5	292.7	273.1	323.3	280.6	186.9	354.8	594.0	663.4
Aurora	59.8	49.3	44.6	47.1	47.8	20.8	39.5	57.2	54.8	46.8
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.2	..	..	0.3
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	388.9	445.2	248.1	226.0	275.5	259.9	147.2	297.6	539.2	616.3
CALABARZON	10,505.9	8,616.8	11,327.1	10,958.3	11,700.8	11,420.3	6,754.3	6,387.1	6,155.6	4,609.8
Batangas	610.7	606.6	506.4	791.1	662.1	559.2	489.8	552.2	458.7	406.7
Cavite	328.7	133.6	166.6	187.0	255.6	401.9	408.1	459.0	246.4	256.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	9,566.5	7,876.6	10,654.1	9,980.2	10,783.1	10,459.1	5,856.4	5,375.9	5,450.5	3,946.2
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	3,627.6	3,124.3	3,150.3	2,969.8	3,003.8	2,674.2	2,534.3	2,893.7	2,878.1	2,873.2
Marinduque	28.6	10.9	9.6	15.6	17.2	16.9	14.8	22.6	38.9	87.2
Occidental Mindoro	542.0	516.6	516.8	518.6	545.6	585.5	602.2	658.6	543.2	605.8
Oriental Mindoro	240.4	249.4	251.3	284.5	297.7	312.8	367.7	398.7	556.2	454.9
Palawan	2,789.1	2,328.0	2,347.1	2,110.7	2,106.1	1,727.5	1,489.3	1,660.3	1,626.1	1,573.9
Romblon	27.5	19.5	25.4	40.4	37.3	31.5	60.3	153.5	113.7	151.5
Bicol Region	3,642.0	3,578.1	3,655.5	4,014.9	4,234.5	3,905.8	3,545.6	3,559.9	3,143.5	2,575.4
Albay	712.3	715.1	806.6	1,106.2	1,248.4	1,219.0	1,199.1	1,239.3	1,121.2	1,045.1
Camarines Norte	284.9	275.1	281.2	302.7	311.0	352.1	213.5	254.6	264.9	91.5
Camarines Sur	2,150.6	2,264.1	2,247.8	2,216.7	2,270.0	2,186.6	1,880.0	1,743.0	1,606.5	1,356.8
Catanduanes	55.2	53.6	51.6	54.8	58.2	52.5	54.1	52.0	47.1	34.2
Masbate	379.6	242.2	223.2	153.7	133.5	26.4	165.3	216.0	64.3	25.1
Sorsogon	59.4	28.1	45.2	180.9	213.4	69.2	33.7	55.0	39.5	22.8
Western Visayas	2,181.0	1,350.5	1,213.4	2,131.6	1,850.5	2,549.5	1,980.3	2,039.3	978.0	617.7
Aklan	81.6	76.0	76.1	82.8	86.2	86.4	81.8	67.0	67.8	55.3
Antique	1,037.9	294.3	247.4	264.9	258.6	255.9	239.4	284.3	286.0	274.1
Capiz	316.4	279.0	131.0	72.5	13.8	22.2	26.2	22.5	6.3	5.7
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	697.4	629.2	718.1	1,660.4	1,467.7	1,953.2	1,599.2	1,466.3	509.9	153.1
Negros Occidental	47.8	72.1	40.8	51.0	24.3	231.8	33.6	199.3	108.1	129.5
Central Visayas	5,385.6	4,340.6	3,970.1	3,918.4	2,771.7	2,539.8	1,406.9	1,172.5	973.8	501.2
Bohol	298.3	95.0	20.3	2.6	20.5	1.7	3.7	0.1	17.3	1.3
Cebu	4,011.0	3,602.7	3,437.6	3,429.2	2,373.6	2,195.4	1,146.9	646.5	512.4	97.3
Negros Oriental	1,076.3	642.9	512.2	486.7	377.6	342.7	256.4	526.0	444.2	402.6
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	4,146.3	4,532.8	3,457.1	3,427.9	2,645.4	2,424.3	2,279.3	1,229.4	824.4	523.9
Biliran	114.7	82.2	57.6	83.2	101.3	77.1	135.8	115.7	120.3	137.1
Eastern Samar	1,274.9	1,661.5	1,682.1	1,592.8	1,169.5	971.0	833.8	363.0	249.5	24.0
Leyte	2,054.2	2,203.5	1,100.4	1,024.7	644.2	657.9	667.2	275.6	79.8	29.5
Northern Samar	220.0	213.6	222.1	237.1	249.5	258.0	252.0	236.4	218.8	195.1
Samar	164.5	86.4	130.9	196.5	178.7	155.0	140.4	190.0	123.9	122.8
Southern Leyte	318.0	285.6	264.0	293.7	302.2	305.3	250.1	48.7	32.0	15.3
Zamboanga Peninsula	12,394.0	10,350.5	8,924.9	9,507.7	10,260.1	11,451.3	9,107.2	9,308.1	9,163.2	9,812.9
Zamboanga del Norte	2,225.2	2,212.4	1,488.5	1,193.1	930.5	1,257.8	1,212.2	1,315.4	1,474.8	1,779.5
Zamboanga del Sur	5,981.7	6,525.5	5,585.0	5,642.9	6,171.0	5,822.8	5,288.7	5,033.4	4,224.0	3,481.5
Zamboanga Sibugay	490.1	117.9	97.3	48.2	23.3	32.7	..	..	5.0	2.2
City of Zamboanga	3,697.0	1,494.7	1,754.2	2,623.4	3,135.3	4,338.1	2,606.3	2,959.3	3,459.4	4,549.7
Nothern Mindanao	5,813.5	7,528.9	6,275.9	5,600.4	5,253.1	5,301.8	5,754.8	5,639.0	5,667.9	5,549.2
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	127.0	149.9	122.0	120.3	89.2	98.6	180.0	139.1	163.7	175.5
Lanao del Norte	764.6	2,769.6	2,093.8	1,624.3	1,409.9	1,396.7	1,471.2	1,473.4	1,523.4	1,567.6
Misamis Occidental	4,566.1	4,289.1	3,894.1	3,692.3	3,466.4	3,201.3	3,114.8	3,042.6	2,857.1	2,674.5
Misamis Oriental	355.8	320.2	166.0	163.5	287.6	605.3	988.8	983.9	1,123.7	1,131.6
Davao Region	547.4	911.5	1,310.7	1,371.6	766.0	655.8	541.9	283.4	294.4	225.0
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	84.3	50.3	606.8	596.6	206.0	148.5	82.1	10.8	4.3	8.7
Davao Occidental	.	.	.	.	.	.	.	.	.	0.9
Davao Oriental	441.8	844.5	686.8	766.6	543.9	498.0	439.7	252.4	222.0	181.6
City of Davao	21.3	16.7	17.1	8.5	16.2	9.4	20.1	20.2	68.1	33.8
SOCCSKSARGEN	8,135.9	4,064.0	6,492.2	5,405.0	6,662.1	5,809.5	12,740.5	5,758.6	5,025.5	3,657.3
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	57.8	64.4	66.7	50.7	19.0	11.3	13.9	8.8	18.2	24.2
Sultan Kudarat	1,131.9	1,104.4	1,132.2	1,195.2	1,118.8	1,004.7	996.5	1,112.7	526.7	261.7
South Cotabato	6,946.2	2,895.1	5,293.3	4,159.2	5,524.4	4,793.5	11,730.0	4,637.1	4,480.7	3,371.4
Caraga	1,555.6	1,247.7	1,115.5	1,016.3	914.5	923.0	815.1	990.9	1,009.3	1,726.1
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	340.8	352.4	323.6	276.6	267.5	222.2	209.1	237.8	292.2	235.9
Surigao del Sur	1,214.8	895.3	792.0	739.7	647.0	700.8	606.1	753.1	717.1	1,490.2
ARMM	15,147.3	15,430.9	16,692.3	16,713.4	17,520.0	18,001.0	17,368.3	18,368.1	19,059.8	19,201.3
Basilan	1,350.5	1,172.3	1,133.3	1,157.8	1,202.4	1,169.3	362.4	717.5	712.2	725.4
Lanao del Sur	546.2	544.3	539.9	513.8	651.9	525.1	399.5	403.8	309.4	188.5
Maguindanao	184.1	174.8	198.1	159.1	159.2	114.9	106.7	139.1	137.1	137.5
Sulu	13,032.0	13,503.6	14,786.0	14,836.3	15,456.9	16,129.0	16,418.9	17,027.6	17,819.9	18,072.1
Tawi-tawi	34.5	35.9	35.1	46.5	49.6	62.7	80.9	80.1	81.3	77.8

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Goatfish (Saramulyete)										
Philippines	**10,881.9**	**9,681.5**	**8,453.4**	**8,336.9**	**7,367.6**	**6,248.5**	**4,870.2**	**4,509.0**	**5,187.0**	**4,508.6**
NCR	1,111.3	917.9	857.4	970.7	660.8	385.4	472.9	364.9	363.5	50.0
Metro Manila	1,111.3	917.9	857.4	970.7	660.8	385.4	472.9	364.9	363.5	50.0
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	29.7	18.8	26.0	35.8	66.2	58.5	63.7	55.3	74.1	109.5
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	13.9	0.3	11.4	14.4	15.2	15.9	16.6	19.7	44.0	61.4
Pangasinan	15.8	18.5	14.7	21.5	51.0	42.7	47.2	35.6	30.1	48.1
Cagayan Valley	373.4	359.0	238.8	249.2	253.0	241.9	209.2	179.3	163.1	126.5
Cagayan	373.4	359.0	238.8	249.2	253.0	241.9	209.2	179.3	163.1	126.5
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	8.5	..	..	..	..	..	0.5	..	38.5	49.5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	8.5	..	..	..	..	..	0.5	..	38.5	49.5
CALABARZON	681.2	562.5	620.6	294.9	427.0	238.9	592.8	151.8	157.4	123.2
Batangas	..	..	1.6	..	0.9	..	..	..	..	1.6
Cavite	1.6	5.9	16.1	48.8	10.6	17.9	3.3	40.2	76.3	75.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	679.6	556.6	602.9	246.1	415.6	221.0	589.5	111.7	81.1	46.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	573.7	564.6	674.2	714.0	802.6	801.8	435.5	574.9	537.6	459.8
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	207.0	200.6	202.4	199.6	202.9	203.3	205.9	192.0	176.4	201.1
Oriental Mindoro	26.1	26.1	25.2	22.7	23.5	23.1	8.7	9.6	..	1.9
Palawan	340.6	338.0	446.6	491.7	576.1	575.4	221.0	373.3	361.2	256.8
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	556.8	575.4	530.1	558.7	540.0	204.9	358.5	369.7	308.0	128.8
Albay	..	..	1.0	1.0	..	..	..	1.2	10.2	8.5
Camarines Norte	302.9	298.8	291.4	309.3	314.0	39.5	142.9	199.0	176.6	94.6
Camarines Sur	198.3	215.0	237.6	222.3	197.5	165.4	194.0	164.3	108.0	4.0
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	55.6	61.6	..	..	..	..	21.7	5.2	13.2	21.7
Sorsogon	..	..	..	26.0	28.5	..	..	..	..	..
Western Visayas	5,817.5	5,096.7	3,990.6	3,923.2	3,664.5	3,262.3	1,856.5	2,083.3	2,681.6	2,541.7
Aklan	7.8	10.2	12.2	13.9	13.6	12.0	10.9	10.2	6.6	2.7
Antique	23.7	18.3	12.5	12.5	15.9	11.9	11.8	8.3	8.5	3.3
Capiz	682.5	600.0	545.0	255.3	228.1	144.5	145.6	170.7	135.2	132.2
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	1,562.8	1,472.6	1,059.8	977.4	837.5	516.0	473.7	497.1	884.7	1,216.2
Negros Occidental	3,540.7	2,995.7	2,361.0	2,664.2	2,569.3	2,577.9	1,214.6	1,397.0	1,646.6	1,187.3
Central Visayas	197.3	195.9	193.3	528.1	523.1	496.2	260.5	45.3	10.6	13.3
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	179.0	191.0	193.3	528.1	519.4	492.5	215.2	41.3	10.6	12.2
Negros Oriental	18.3	4.9	..	..	3.6	3.7	45.4	4.0	..	1.1
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	389.2	485.6	446.9	503.6	101.0	108.3	112.6	107.5	263.4	439.7
Biliran	2.2	2.6	1.1	1.1	1.1	1.0	1.6	8.2	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	146.1	240.6	223.4	336.6	29.1	18.6	..	..	12.8	19.3
Northern Samar	..	..	..	..	..	..	..	..	7.3	11.5
Samar	240.9	242.5	222.4	165.8	70.8	88.7	111.0	99.3	243.4	409.0
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	1,037.1	815.5	813.3	495.9	258.7	387.6	445.8	269.6	241.7	398.9
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	40.7	..	..	..	..	..	..	..	12.2	240.0
Zamboanga Sibugay	448.7	442.0	427.5	227.5	205.8	170.4	240.6	246.8	209.4	145.6
City of Zamboanga	547.7	373.5	385.9	268.4	52.9	217.2	205.2	22.8	20.1	13.3
Nothern Mindanao	56.7	33.8	26.0	16.8	20.5	24.7	25.9	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	51.5	33.8	26.0	16.8	20.5	24.7	25.9	..	..	..
Misamis Occidental	5.2	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	8.0	0.6	15.1	..	2.0	..	0.1	3.4
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	8.0	0.6	15.1	..	2.0	..	..	2.9
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.1	0.5
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	3.1	21.1	8.2	17.7	7.5	9.8	2.9	276.4	310.7	26.8
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	0.8	0.3	0.5
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	3.1	21.1	8.2	17.7	7.5	9.8	2.9	275.6	310.5	26.3
Caraga	23.6	12.4	..	..	..	..	1.6	0.9	4.6	0.4
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	23.6	12.4	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	1.6	0.9	4.6	0.4
ARMM	22.8	22.1	20.1	27.8	27.7	28.1	29.4	30.1	32.1	37.3
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	3.4
Maguindanao	0.4	1.0	..	..	..	0.2	0.2	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	22.3	21.1	20.1	27.8	27.7	27.9	29.2	30.1	32.1	34.0

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper (Lapu-lapu)										
Philippines	**2,969.0**	**2,605.4**	**2,234.1**	**2,149.4**	**2,137.8**	**2,051.0**	**2,150.4**	**1,627.6**	**1,297.6**	**1,596.5**
NCR	64.6	56.4	65.2	40.6	46.1	33.4	197.1	250.3	165.0	167.0
Metro Manila	64.6	56.4	65.2	40.6	46.1	33.4	197.1	250.3	165.0	167.0
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	24.8	9.9	23.6	24.8	28.1	33.0	33.7	29.5	35.1	39.2
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	8.0	2.7	5.2	4.9	4.8	4.7	4.6	3.7	4.5	7.8
Pangasinan	16.9	7.1	18.5	20.0	23.3	28.3	29.1	25.9	30.6	31.4
Cagayan Valley	21.3	19.4	16.2	20.2	14.4	20.1	18.5	11.1	9.1	7.1
Cagayan	21.3	19.4	16.2	20.2	14.4	20.1	18.5	11.1	9.1	7.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	2.0	0.3	7.8	81.7	119.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	0.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	2.0	0.3	7.8	81.7	119.6
CALABARZON	280.4	424.4	360.1	258.7	399.7	281.9	143.1	186.7	308.5	237.3
Batangas	54.8	86.8	19.8	22.7	16.2	20.8	17.7	17.8	17.5	12.9
Cavite	54.7	125.6	86.1	98.9	161.2	84.8	97.2	98.5	140.3	131.3
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	170.8	212.0	254.2	137.2	222.4	176.3	28.2	70.5	150.7	93.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	868.8	840.9	614.4	667.8	595.9	627.6	193.3	210.7	184.4	219.4
Marinduque	..	..	..	..	..	..	..	0.1	..	..
Occidental Mindoro	39.4	39.2	39.5	38.6	44.0	42.3	42.7	42.5	54.1	98.6
Oriental Mindoro	7.3	6.4	6.2	5.6	4.5	3.9	8.5	7.8	..	1.5
Palawan	822.1	795.2	568.7	623.7	547.4	581.4	142.1	160.3	130.3	119.4
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	45.1	60.6	83.0	196.5	200.5	180.9	167.2	184.3	174.8	148.7
Albay	3.3	26.4	50.3	168.7	172.6	154.9	155.8	167.8	152.2	146.7
Camarines Norte	20.0	17.4	19.4	21.6	21.9	16.6	0.3	0.1	1.1	0.2
Camarines Sur	..	..	..	..	..	..	1.7	7.8	2.8	0.1
Catanduanes	21.8	16.8	13.3	6.2	5.9	4.9	4.6	4.1	2.9	1.7
Masbate	..	..	..	..	..	..	4.5	4.6	15.9	..
Sorsogon	..	..	..	..	..	4.6	0.4	..	..	..
Western Visayas	339.4	273.2	108.6	138.9	116.1	84.2	216.9	210.1	80.5	67.4
Aklan	6.5	7.3	..	..	..	6.0	2.3	2.5	3.8	7.8
Antique	90.0	62.1	55.4	47.6	49.1	38.1	42.2	16.5	6.7	6.9
Capiz	1.7	0.5	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	233.4	200.1	49.9	0.3	2.4	2.0	4.2	11.3	39.6	34.2
Negros Occidental	7.7	3.3	3.4	91.0	64.6	38.1	168.3	179.9	30.5	18.4
Central Visayas	85.3	59.3	73.4	71.3	9.5	8.5	18.3	6.0	7.9	1.1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	39.0	29.0	39.0	34.9	..	..	1.8	..	..	..
Negros Oriental	46.3	30.3	34.4	36.4	9.5	8.5	16.5	6.0	7.9	1.1
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	339.0	236.0	192.8	57.2	8.8	4.5	84.4	28.1	34.6	26.8
Biliran	0.6	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	317.5	223.5	183.3	47.5	2.3	1.7	..	..	..	..
Northern Samar	19.7	12.5	9.5	6.8	3.8	2.9	2.5	2.5	2.7	6.1
Samar	1.3	..	..	3.0	2.8	..	82.0	25.5	31.9	20.7
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	57.6	25.6	44.6	24.2	120.1	202.8	134.1	90.9	67.3	345.4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	0.0	..	..	..	..	..	..	..	15.3	230.6
Zamboanga Sibugay	57.6	24.9	17.8	23.2	40.4	73.5	45.2	50.4	44.0	107.8
City of Zamboanga	..	0.7	26.8	1.1	79.7	129.3	88.9	40.6	8.0	7.0
Nothern Mindanao	489.4	308.9	275.4	309.4	299.6	289.0	270.4	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	489.4	308.9	275.4	309.4	299.6	289.0	270.4	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	0.6	21.3	7.8	4.4	1.2	1.3	1.2
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	0.6	21.3	4.0	4.4	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	3.8	..	1.2	1.3	1.2
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	275.7	222.1	316.5	269.4	190.0	196.2	507.1	119.1	2.7	4.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	0.0	0.1	1.9
Sultan Kudarat	223.4	190.1	193.8	185.0	159.4	64.0	39.2	41.7	..	..
South Cotabato	52.3	32.0	122.7	84.4	30.6	132.3	467.9	77.3	2.6	2.6
Caraga	18.4	10.9	4.1	6.3	7.6	2.0	10.6	11.2	8.5	14.9
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	18.4	9.4	..	..	..	..	0.5	0.9	4.6	0.9
Surigao del Sur	..	1.5	4.1	6.3	7.6	2.0	10.1	10.3	3.9	14.0
ARMM	59.2	58.0	56.5	63.5	80.2	76.9	151.0	280.5	136.4	196.8
Basilan	..	..	..	..	..	..	71.9	216.7	74.9	115.6
Lanao del Sur	21.5	21.2	21.1	21.7	29.5	26.6	26.2	25.9	21.9	39.9
Maguindanao	14.7	14.4	14.4	16.1	17.1	12.9	13.5	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	23.0	22.4	21.0	25.6	33.6	37.5	39.3	37.9	39.6	41.3

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Hairtail (Espada)										
Philippines	**7,258.9**	**6,654.9**	**4,697.2**	**4,589.7**	**4,250.5**	**4,332.4**	**5,435.3**	**4,188.8**	**3,509.6**	**2,480.3**
NCR	63.1	24.6	76.5	291.9	217.9	122.6	123.0	206.8	112.8	108.4
Metro Manila	63.1	24.6	76.5	291.9	217.9	122.6	123.0	206.8	112.8	108.4
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	163.8	186.2	96.8	126.1	149.8	149.7	175.8	139.1	135.8	130.5
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	122.4	132.8	66.8	88.1	94.1	95.2	102.8	86.1	86.2	89.3
Pangasinan	41.4	53.4	29.9	38.0	55.7	54.5	72.9	53.0	49.6	41.2
Cagayan Valley	1,365.5	1,329.4	885.9	964.9	1,090.3	1,104.6	1,101.7	828.7	642.5	419.1
Cagayan	1,365.5	1,329.4	885.9	964.9	1,090.3	1,104.6	1,101.7	828.7	642.5	419.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	..	10.5	9.1	4.2	3.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	10.5	6.1	..	0.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	3.1	4.2	3.8
CALABARZON	1,399.3	1,508.9	305.2	262.8	281.6	692.9	2,457.2	1,778.5	1,328.2	358.0
Batangas	0.1	3.2	..	..	1.0	..	..	..	..	..
Cavite	68.2	30.9	42.3	32.5	91.8	60.5	60.8	108.1	107.6	80.3
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,331.0	1,474.7	262.9	230.3	188.8	632.4	2,396.5	1,670.4	1,220.5	277.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	300.2	250.8	235.9	308.6	312.0	309.0	211.1	216.0	177.9	43.4
Marinduque	..	..	..	..	..	..	..	0.3	..	..
Occidental Mindoro	72.3	65.2	66.5	67.2	70.8	69.1	75.8	83.5	77.2	39.6
Oriental Mindoro	2.7	3.1	3.1	3.3	3.8	3.2	4.1	..	..	0.7
Palawan	225.2	182.6	166.3	238.0	237.4	236.7	131.3	132.2	100.7	3.1
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	329.2	334.0	323.5	207.6	183.4	170.6	131.2	185.0	220.1	189.2
Albay	29.2	37.4	41.5	9.0	..	7.3	23.4	45.6	41.5	12.5
Camarines Norte	..	..	..	..	..	8.1	3.3	2.5	3.2	0.3
Camarines Sur	261.2	252.6	230.8	191.1	174.0	155.0	98.4	136.4	158.4	155.7
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	38.7	44.0	51.2	7.6	9.4	..	6.0	0.6	16.9	20.7
Sorsogon	..	..	..	..	..	0.2	0.1	..	..	..
Western Visayas	2,499.8	2,220.2	2,049.2	1,671.1	1,394.7	1,109.5	506.2	520.8	494.9	548.6
Aklan	..	..	2.2	2.3	2.9	4.7	8.5	12.1	11.6	13.2
Antique	0.2	..	..	0.6	1.1	2.4	1.6	1.8	1.4	0.8
Capiz	929.6	952.0	829.0	482.0	76.7	235.5	93.8	94.8	104.7	90.5
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	458.1	540.3	537.6	661.2	433.6	342.9	289.3	360.8	194.7	166.3
Negros Occidental	1,111.9	727.9	680.4	525.0	880.5	524.0	113.0	51.3	182.6	277.8
Central Visayas	122.0	97.5	100.3	114.3	80.5	170.9	119.3	64.3	87.2	13.8
Bohol	..	..	..	..	..	4.6	..	..	3.2	2.6
Cebu	42.0	35.0	49.3	51.3	15.2	44.2	1.5	..	..	4.5
Negros Oriental	80.0	62.5	51.0	63.0	65.4	122.1	117.8	64.3	84.0	6.8
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	425.1	297.5	203.4	234.7	151.1	124.5	195.2	78.6	174.5	344.7
Biliran	6.1	1.3	0.7	1.0	1.0	0.8	0.8	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	192.2	115.5	27.2	78.3	13.5	6.6	3.3	..	..	..
Northern Samar	24.1	20.5	6.4	7.2	6.7	6.1	5.7	4.6	7.0	9.8
Samar	202.8	160.3	169.2	148.2	130.0	111.0	154.0	74.1	167.5	334.9
Southern Leyte	..	..	..	..	..	..	31.5	..	..	..
Zamboanga Peninsula	144.3	157.5	148.4	117.8	93.1	85.4	66.1	23.0	81.8	286.9
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	10.5	..	..	..	..	..	..	..	57.0	153.0
Zamboanga Sibugay	131.7	157.5	99.7	117.8	93.1	85.4	66.1	20.0	21.4	133.9
City of Zamboanga	2.0	..	48.7	..	..	..	..	3.1	3.4	..
Nothern Mindanao	413.7	224.8	232.5	268.8	268.6	281.6	278.0	97.9	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	413.7	224.8	230.0	268.8	268.6	281.6	278.0	97.1	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	2.5	..	..	..	..	0.8	..	..
Davao Region	2.8	..	7.6	..	1.7	..	34.1	21.4	0.7	1.0
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	2.4	..	7.6	..	1.7	..	34.1	21.2	..	0.5
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	0.2	0.7	0.4
City of Davao	0.4	..	..	..	..	..	..	..	..	0.1
SOCCSKSARGEN	1.4	4.2	3.7	6.2	13.3	0.6	8.7	..	21.0	8.6
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	2.7	2.3
Sultan Kudarat	..	..	..	..	..	..	..	..	18.3	1.6
South Cotabato	1.4	4.2	3.7	6.2	13.3	0.6	8.7	..	..	4.8
Caraga	13.0	3.5	12.1	3.5	3.0	2.3	9.4	11.8	16.3	11.0
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	13.0	3.5	12.1	3.5	3.0	2.3	7.1	11.0	16.3	7.5
Surigao del Sur	..	..	..	..	..	..	2.3	0.8	..	3.5
ARMM	15.7	16.0	16.2	11.5	9.5	8.1	8.0	7.9	11.9	13.4
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	3.4
Maguindanao	3.3	5.0	4.5	3.2	3.0	0.8	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	12.3	11.0	11.8	8.3	6.5	7.3	8.0	7.9	11.9	10.0

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Indian mackerel (Alumahan)										
Philippines	**43,152.3**	**37,028.7**	**36,268.9**	**41,205.9**	**36,908.2**	**32,144.1**	**23,933.2**	**22,720.5**	**20,071.2**	**23,212.3**
NCR	1,378.7	897.4	603.5	1,191.6	805.6	567.9	623.1	555.3	246.6	131.6
Metro Manila	1,378.7	897.4	603.5	1,191.6	805.6	567.9	623.1	555.3	246.6	131.6
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	231.2	239.3	138.8	197.5	226.6	200.9	202.3	227.6	127.9	131.4
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	0.8	..
La Union	1.0	1.0	7.7	44.9	44.4	43.8	46.2	51.2	44.6	58.6
Pangasinan	230.3	238.3	131.0	152.7	182.2	157.0	156.1	176.4	82.5	72.7
Cagayan Valley	175.3	174.1	126.3	146.5	136.6	124.1	114.8	112.2	87.6	67.8
Cagayan	175.3	174.1	126.3	146.5	136.6	124.1	114.8	112.2	87.6	67.8
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	71.9	68.8	58.2	52.7	59.2	67.8	38.8	59.5	163.5	217.2
Aurora	0.4	0.3	..	0.2	0.3	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	28.6
Bulacan	29.3	19.9	9.7	8.0	14.4	17.2	3.1	1.6	0.7	1.9
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	42.3	48.6	48.5	44.5	44.5	50.6	35.7	57.9	162.8	186.7
CALABARZON	11,039.5	9,424.6	8,989.6	10,761.0	10,403.7	7,746.6	2,524.7	4,361.1	3,047.0	3,957.8
Batangas	139.1	137.5	132.2	117.3	82.8	78.8	50.2	90.7	168.8	165.0
Cavite	685.9	786.3	255.3	363.8	198.5	286.9	158.4	226.9	135.7	133.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	10,214.5	8,500.8	8,602.1	10,279.9	10,122.5	7,380.9	2,316.1	4,043.5	2,742.5	3,659.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,835.6	2,078.6	2,112.7	2,146.7	2,069.7	2,137.2	1,918.2	1,735.7	1,396.7	1,347.4
Marinduque	6.9	5.0	1.5	2.1	..	..	7.3	11.5	11.5	17.1
Occidental Mindoro	337.0	321.0	328.8	325.1	325.6	327.5	313.6	351.0	242.5	212.5
Oriental Mindoro	131.2	124.6	129.4	148.6	158.4	166.7	146.1	187.8	182.3	152.9
Palawan	2,313.2	1,611.5	1,641.7	1,647.8	1,548.0	1,637.0	1,428.1	1,176.9	944.6	924.5
Romblon	47.4	16.5	11.4	23.3	37.7	6.0	23.2	8.4	15.8	40.3
Bicol Region	2,599.5	2,653.4	2,495.9	2,401.7	2,436.4	2,385.3	1,997.4	1,803.6	1,571.4	1,215.5
Albay	752.5	728.2	734.7	678.0	687.4	701.9	690.4	708.7	642.3	598.2
Camarines Norte	258.7	253.7	251.2	267.9	276.8	328.7	238.7	191.1	117.2	107.4
Camarines Sur	1,279.1	1,393.3	1,393.7	1,391.7	1,389.9	1,308.7	1,047.2	866.3	749.6	427.1
Catanduanes	16.7	19.5	17.5	21.6	21.5	20.7	20.9	14.4	13.3	8.9
Masbate	256.0	245.2	90.6	..	..	..	..	23.1	48.9	73.5
Sorsogon	36.5	13.5	8.3	42.7	60.8	25.4	0.2	..	..	0.4
Western Visayas	3,482.8	4,532.3	3,645.4	4,251.1	3,789.4	3,559.9	2,184.4	2,525.2	1,822.3	3,112.4
Aklan	19.3	20.8	20.9	24.2	26.2	27.8	24.6	21.5	28.4	26.4
Antique	125.6	118.1	153.1	148.0	152.0	153.2	183.1	152.7	171.7	172.0
Capiz	1,254.2	1,314.0	984.0	593.9	174.9	232.8	314.4	283.6	237.9	382.9
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	801.4	907.5	1,357.5	2,887.8	2,679.9	2,143.7	1,243.5	1,599.1	1,137.7	2,280.5
Negros Occidental	1,282.4	2,172.0	1,129.9	597.3	756.5	1,002.4	418.8	468.3	246.6	250.6
Central Visayas	1,082.6	971.3	952.8	1,760.7	1,502.4	1,240.6	1,550.7	975.9	343.3	254.6
Bohol	41.7	45.1	114.5	16.7	44.1	10.1	0.2	..	0.0	6.6
Cebu	668.8	574.3	538.5	1,457.8	1,253.6	1,064.8	1,321.2	858.9	319.8	138.5
Negros Oriental	372.1	351.9	299.8	286.2	204.7	165.7	229.3	117.0	23.5	109.5
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	2,781.3	2,670.5	2,561.5	1,916.1	1,202.8	1,080.8	1,286.8	763.3	520.2	778.3
Biliran	317.0	212.7	205.1	213.8	209.1	202.9	323.6	139.5	99.4	150.0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	1,740.9	1,681.0	1,593.4	931.2	130.8	..	234.8	19.0	8.8	30.4
Northern Samar	177.3	175.9	194.7	215.4	230.5	242.2	245.7	246.5	222.9	180.2
Samar	393.2	448.2	436.2	378.4	454.4	455.5	313.4	323.5	184.0	417.7
Southern Leyte	153.0	152.7	132.1	177.3	178.0	180.2	169.4	34.8	5.1	..
Zamboanga Peninsula	9,098.7	5,551.1	7,038.6	9,401.9	6,716.3	6,124.3	5,214.3	3,286.0	4,918.0	6,344.4
Zamboanga del Norte	416.3	417.4	123.1	107.8	123.3	87.2	133.3	135.4	129.2	150.6
Zamboanga del Sur	1,777.5	2,215.7	1,756.0	1,387.7	1,404.0	1,290.6	1,060.4	861.4	1,060.0	1,055.9
Zamboanga Sibugay	792.9	184.6	129.7	143.4	106.3	98.6	15.0	40.8	51.4	54.4
City of Zamboanga	6,112.0	2,733.4	5,029.7	7,763.0	5,082.8	4,648.0	4,005.7	2,248.4	3,677.4	5,083.5
Nothern Mindanao	1,364.4	439.5	449.0	424.4	1,133.5	497.6	551.3	506.3	491.2	464.5
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	0.1	..	..	0.1	..	..	0.2	0.9
Lanao del Norte	237.7	98.0	106.4	89.4	113.4	125.8	129.7	130.4	119.2	126.3
Misamis Occidental	1,023.4	327.2	337.8	319.9	369.5	319.1	357.2	299.7	290.4	269.5
Misamis Oriental	103.3	14.2	4.8	15.0	650.6	52.7	64.3	76.2	81.4	67.9
Davao Region	856.5	1,372.1	1,061.3	302.6	170.8	187.6	150.5	75.1	46.9	24.0
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	765.3	1,203.1	1,007.1	232.4	98.0	135.8	120.6	37.1	16.7	0.5
Davao Occidental	.	.	.	.	.	.	.	.	.	4.9
Davao Oriental	59.6	128.7	28.8	36.3	34.5	27.0	6.2	11.6	9.0	1.6
City of Davao	31.6	40.2	25.4	33.9	38.3	24.8	23.7	26.3	21.3	17.1
SOCCSKSARGEN	228.5	182.5	183.2	198.4	153.3	87.3	104.5	119.6	106.5	82.0
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	1.9	..	..	..	..	..	0.9	2.7	4.9
Sultan Kudarat	194.9	164.1	165.2	167.3	113.2	78.2	86.9	91.6	72.3	50.3
South Cotabato	33.7	16.6	18.0	31.1	40.1	9.1	17.7	27.1	31.5	26.9
Caraga	56.2	48.2	85.9	88.3	50.6	61.1	108.2	138.5	164.6	172.1
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	44.5	48.2	81.6	84.1	38.6	61.1	67.9	98.8	98.6	84.8
Surigao del Sur	11.7	..	4.3	4.2	12.0	..	40.3	39.7	66.0	87.3
ARMM	5,869.5	5,725.2	5,766.3	5,964.6	6,051.5	6,075.2	5,363.3	5,475.7	5,017.7	4,911.5
Basilan	2,066.6	1,881.0	1,750.8	1,755.7	1,833.1	1,774.4	1,255.2	1,521.0	1,136.3	1,128.4
Lanao del Sur	151.1	147.9	145.7	256.9	279.9	249.6	175.2	179.5	119.7	121.6
Maguindanao	105.9	74.9	73.2	72.5	71.9	42.9	42.6	..	..	..
Sulu	3,502.4	3,579.6	3,755.1	3,828.1	3,807.8	3,942.8	3,810.0	3,696.5	3,680.3	3,581.2
Tawi-tawi	43.5	41.8	41.5	51.4	58.9	65.5	80.3	78.6	81.4	80.3

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bali sardinella (Tamban)										
Philippines	**265,810.9**	**167,014.3**	**175,159.5**	**158,841.0**	**190,390.2**	**217,758.2**	**205,986.1**	**170,394.6**	**193,835.8**	**175,285.0**
NCR	5,331.3	2,769.2	6,115.4	7,571.3	13,420.5	22,496.4	28,550.4	10,904.8	27,258.5	9,873.9
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	32.7	17.0	28.1	22.0	16.8	17.9	15.4	17.6	27.6	25.2
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1.7	2.0	3.4	4.6	4.7	5.0	3.7	2.1	8.6	12.1
Pangasinan	31.0	15.0	24.7	17.5	12.1	12.9	11.8	15.6	19.0	13.1
Cagayan Valley	584.8	541.1	488.6	496.7	507.9	489.4	455.0	378.1	343.7	285.1
Cagayan	584.8	541.1	488.6	496.7	507.9	489.4	455.0	378.1	343.7	285.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	4.3	7.2	8.2	548.2	483.5	112.7	120.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	535.0	425.5	23.4	..
Bulacan	..	..	..	4.3	7.2	8.2	11.8	46.9	9.2	6.4
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	1.4	11.2	80.1	113.6
CALABARZON	10,393.4	6,525.3	4,414.0	971.9	1,769.7	2,543.3	6,386.0	6,463.1	4,717.7	3,358.7
Batangas	428.3	302.9	241.3	184.9	133.9	305.1	634.4	639.1	861.5	755.4
Cavite	..	4.4	36.0	14.3	23.4	18.7	137.8	156.7	97.3	127.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	9,965.1	6,217.9	4,136.8	772.6	1,612.4	2,219.5	5,613.8	5,667.3	3,758.9	2,475.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,994.1	2,441.4	2,720.7	2,690.2	2,917.8	2,877.5	3,265.0	3,119.6	3,089.5	2,711.7
Marinduque	11.5	4.6	5.8	1.9	1.1	2.3	4.9	24.1	53.3	1.5
Occidental Mindoro	490.2	468.6	469.6	460.8	464.3	464.6	423.6	413.5	296.1	150.6
Oriental Mindoro	342.2	311.6	314.5	332.9	377.6	464.3	506.3	379.2	434.5	216.5
Palawan	2,133.5	1,641.8	1,916.8	1,885.8	2,074.9	1,942.2	2,330.2	2,301.2	2,302.7	2,339.4
Romblon	16.7	14.9	14.0	8.8	..	4.0	..	1.6	3.0	3.8
Bicol Region	6,726.1	6,947.0	7,597.6	7,026.7	6,974.1	5,802.1	5,160.0	5,296.7	4,863.3	3,580.5
Albay	1,074.4	1,077.8	1,108.0	905.8	920.5	913.2	872.5	916.7	864.3	814.1
Camarines Norte	685.2	663.5	651.6	679.1	673.9	222.1	267.7	226.6	150.3	31.2
Camarines Sur	1,404.1	1,470.7	1,431.9	1,334.1	1,272.9	1,099.1	1,004.3	1,046.0	930.9	692.8
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	3,197.2	3,284.9	4,062.7	3,848.0	3,776.5	3,567.8	3,014.8	3,107.3	2,917.8	2,041.5
Sorsogon	365.2	450.1	343.4	259.6	330.4	..	0.8	..	..	0.9
Western Visayas	5,196.2	4,456.1	4,432.5	3,511.7	3,159.0	3,093.3	4,211.2	5,991.3	6,400.4	7,713.4
Aklan	62.4	62.8	59.2	55.3	59.9	54.0	50.7	43.7	42.7	43.9
Antique	247.1	263.4	200.5	174.7	241.8	387.3	385.7	362.6	246.4	297.1
Capiz	710.2	986.0	1,176.0	1,067.2	486.1	857.6	1,309.4	2,541.5	2,497.5	2,864.0
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	2,446.5	2,052.1	1,913.5	1,192.5	1,586.4	863.0	1,513.3	1,485.1	2,413.8	2,934.7
Negros Occidental	1,730.0	1,091.8	1,083.3	1,022.2	784.8	931.4	952.2	1,558.4	1,199.9	1,573.8
Central Visayas	1,592.3	1,720.0	1,021.3	791.6	556.6	710.7	1,553.3	917.9	1,494.9	1,425.7
Bohol	237.2	146.6	62.5	41.4	49.7	162.6	157.6	73.5	44.3	42.9
Cebu	1,245.8	1,473.6	870.4	677.4	432.9	491.4	1,008.9	715.0	1,153.0	1,120.0
Negros Oriental	109.3	99.8	88.4	72.8	74.0	56.7	386.7	129.4	297.6	262.8
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	5,478.9	5,354.3	4,202.6	2,585.2	1,677.4	1,752.8	1,607.2	937.9	984.2	1,774.4
Biliran	899.6	755.1	721.8	628.4	621.9	659.2	654.6	278.9	262.8	280.9
Eastern Samar	327.1	342.1	348.5	317.0	107.5	102.2	..	30.4	6.5	..
Leyte	2,796.2	2,924.9	1,993.3	1,073.0	570.3	615.8	362.5	320.0	115.0	41.9
Northern Samar	241.0	238.8	241.1	250.0	250.7	257.9	251.5	244.1	204.8	166.5
Samar	572.1	516.3	384.5	227.5	54.8	21.7	333.4	64.6	310.7	1,270.3
Southern Leyte	643.0	577.2	513.5	89.2	72.3	96.1	5.3	..	84.4	14.9
Zamboanga Peninsula	207,323.0	116,362.9	124,345.6	111,144.0	139,140.7	155,800.4	132,379.8	115,325.6	125,440.8	126,397.9
Zamboanga del Norte	5,710.5	4,696.4	6,424.5	7,932.2	7,034.4	7,343.0	7,530.2	7,840.8	7,321.6	7,969.8
Zamboanga del Sur	3,993.7	2,621.4	2,382.8	2,632.7	2,633.1	2,692.1	3,095.5	2,729.6	2,204.9	2,345.7
Zamboanga Sibugay	603.3	293.0	177.1	95.6	113.4	165.8	174.7	48.8	75.0	70.6
City of Zamboanga	197,015.5	108,752.1	115,361.3	100,483.5	129,359.9	145,599.5	121,579.4	104,706.5	115,839.3	116,011.8
Nothern Mindanao	10,273.3	9,830.3	10,570.3	12,116.9	11,198.0	13,176.2	12,772.0	11,218.1	10,380.1	9,536.0
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	20.2	..	3.3	48.4	20.5	157.2	68.6	8.5	1.2	..
Lanao del Norte	1,168.8	930.6	959.2	1,075.9	1,112.1	1,163.6	1,176.0	1,184.1	1,171.3	1,191.3
Misamis Occidental	2,739.6	2,999.4	3,084.4	3,563.4	3,380.2	3,377.3	3,522.2	3,483.8	3,140.3	2,936.5
Misamis Oriental	6,344.7	5,900.3	6,523.3	7,429.3	6,685.2	8,478.1	8,005.3	6,541.8	6,067.3	5,408.2
Davao Region	470.5	959.1	760.0	1,594.9	691.2	576.1	422.6	278.4	107.6	53.5
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	415.3	948.0	748.3	1,582.5	658.8	519.1	320.7	170.9	91.9	14.8
Davao Occidental	.	.	.	.	.	.	.	.	.	38.5
Davao Oriental	..	..	9.4	10.1	9.1	26.3	57.2	50.3	2.9	0.0
City of Davao	55.2	11.1	2.3	2.4	23.3	30.8	44.7	57.2	12.8	0.3
SOCCSKSARGEN	193.0	53.6	67.6	202.6	199.1	254.4	324.4	924.4	281.8	247.8
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	1.1	2.3	3.4	4.4
Sultan Kudarat	..	..	..	..	..	34.9	57.5	57.1	23.6	23.3
South Cotabato	193.0	53.6	67.6	202.6	199.1	219.5	265.8	865.1	254.8	220.1
Caraga	589.6	422.2	324.2	266.3	185.4	246.4	240.9	257.9	257.1	257.5
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	468.9	393.0	282.6	237.1	164.2	245.1	229.9	252.6	249.9	186.5
Surigao del Sur	120.7	29.2	41.6	29.1	21.2	1.3	11.0	5.3	7.2	71.0
ARMM	8,631.8	8,615.0	8,071.1	7,844.8	7,968.9	7,913.1	8,094.7	7,879.7	8,076.0	7,923.8
Basilan	1,352.8	1,328.5	1,165.4	1,135.3	1,173.5	1,198.5	1,566.6	1,446.8	1,718.4	1,722.4
Lanao del Sur	673.0	669.3	664.1	642.2	777.8	629.7	443.6	435.0	324.9	191.1
Maguindanao	92.5	100.1	99.1	29.6	27.6	14.0	12.8	20.0	25.6	27.6
Sulu	6,444.5	6,450.6	6,080.3	5,963.8	5,912.4	5,979.5	5,975.7	5,884.6	5,908.0	5,885.0
Tawi-tawi	69.0	66.5	62.2	73.8	77.6	91.4	96.1	93.3	99.1	97.7

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Indo-pacific mackerel (Hasa-hasa)										
Philippines	**23,392.1**	**22,208.3**	**16,710.5**	**14,419.8**	**12,813.9**	**12,400.7**	**13,470.6**	**11,894.5**	**10,614.9**	**8,573.8**
NCR	952.9	857.1	321.6	354.3	492.9	373.6	524.9	270.3	187.5	190.8
Metro Manila	952.9	857.1	321.6	354.3	492.9	373.6	524.9	270.3	187.5	190.8
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	72.6	82.3	75.2	132.8	117.7	102.4	116.9	119.7	126.1	123.8
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	29.5	12.2	23.4	43.9	46.7	47.4	49.7	54.0	57.1	57.8
Pangasinan	43.0	70.1	51.8	89.0	71.0	55.0	67.2	65.7	69.0	66.0
Cagayan Valley	84.8	110.7	86.2	103.6	108.0	120.2	104.4	104.7	89.9	81.5
Cagayan	84.8	110.7	86.2	103.6	108.0	120.2	104.4	104.7	89.9	81.5
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	111.6	109.5	90.5	78.4	83.5	915.1	801.5	103.5	163.2	211.9
Aurora	0.3	0.3	..	0.2	0.3	..	..	..	..	..
Bataan	..	..	..	..	2.0	815.0	738.5	25.6	1.8	26.8
Bulacan	42.9	46.8	23.8	16.7	21.0	22.6	15.6	23.9	9.9	6.4
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	68.4	62.4	66.7	61.4	60.2	77.5	47.4	54.0	151.6	178.7
CALABARZON	977.8	1,260.5	790.9	484.9	493.3	516.7	493.6	259.5	283.7	220.8
Batangas	108.3	100.9	94.2	76.4	52.8	26.5	28.7	34.5	57.8	59.0
Cavite	741.6	1,048.4	419.6	297.3	271.7	444.3	455.0	208.5	198.3	147.0
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	128.0	111.2	277.2	111.2	168.8	45.8	9.8	16.5	27.6	14.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,666.2	1,509.5	1,583.9	1,593.7	1,729.1	1,427.8	2,502.7	2,396.9	2,276.7	1,737.3
Marinduque	..	..	..	..	..	..	..	2.4	5.8	..
Occidental Mindoro	210.9	194.3	194.0	188.1	190.6	193.2	195.1	170.5	100.1	84.6
Oriental Mindoro	32.6	31.7	29.2	48.3	45.0	43.4	42.5	43.1	135.5	92.7
Palawan	1,379.7	1,228.7	1,342.2	1,355.5	1,481.6	1,186.4	2,263.9	2,181.0	2,022.6	1,560.1
Romblon	43.1	54.9	18.5	1.9	11.9	4.9	1.2	..	12.7	..
Bicol Region	476.9	547.8	472.9	354.6	351.4	246.2	441.6	266.9	173.2	111.4
Albay	..	..	..	..	..	..	..	..	..	20.1
Camarines Norte	43.0	39.9	44.9	48.8	52.9	4.5	167.8	..	9.8	..
Camarines Sur	149.1	186.5	166.2	146.1	145.8	134.1	34.7	23.1	15.7	9.7
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	274.7	316.8	252.2	137.4	118.2	97.4	231.5	243.2	134.1	75.6
Sorsogon	10.2	4.6	9.7	22.3	34.5	10.2	7.5	0.6	13.7	6.1
Western Visayas	3,765.7	4,670.1	3,585.9	2,627.9	2,321.2	2,146.8	2,406.7	3,491.0	3,333.6	1,815.2
Aklan	85.6	78.7	76.5	79.0	83.7	77.4	85.7	74.9	88.5	76.9
Antique	15.3	6.8	10.7	15.9	23.9	28.1	28.0	16.4	13.0	12.2
Capiz	1,293.0	1,438.0	1,313.0	753.1	216.9	210.1	159.7	208.6	240.2	250.2
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	1,700.6	2,267.5	1,477.5	1,117.3	1,102.0	992.4	1,076.6	2,616.1	2,591.4	1,073.3
Negros Occidental	671.1	879.2	708.2	662.6	894.8	838.9	1,056.7	575.0	400.6	402.5
Central Visayas	360.1	341.5	386.6	601.6	450.0	637.3	474.6	681.4	380.3	196.1
Bohol	21.1	28.5	27.6	12.4	12.4	13.8	41.5	39.8	16.9	36.2
Cebu	320.0	301.9	348.3	581.1	430.1	617.1	298.1	637.1	320.6	142.7
Negros Oriental	19.0	11.1	10.7	8.1	7.5	6.4	135.0	4.5	42.8	17.3
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	7,451.1	6,033.5	3,739.6	2,864.6	2,605.7	2,673.8	2,164.4	911.6	639.3	890.4
Biliran	1,051.1	754.3	751.5	679.7	689.0	643.3	648.4	211.3	169.6	212.9
Eastern Samar	..	..	..	..	..	..	48.3	..	..	..
Leyte	5,567.7	4,465.2	2,138.7	1,178.5	804.7	962.1	567.9	157.5	31.1	54.7
Northern Samar	139.2	153.3	162.6	165.1	161.1	154.9	146.2	133.9	130.8	104.4
Samar	636.1	585.8	542.2	663.0	766.1	726.8	623.5	358.4	300.9	515.5
Southern Leyte	57.0	74.8	144.6	178.3	184.8	186.8	130.2	50.6	7.0	2.9
Zamboanga Peninsula	6,054.8	5,273.5	4,141.5	3,867.0	2,720.7	1,989.6	2,351.1	2,201.5	1,920.6	1,944.6
Zamboanga del Norte	876.7	882.6	687.6	669.7	657.8	1,131.7	1,394.5	1,365.0	1,229.7	1,299.0
Zamboanga del Sur	909.7	782.9	976.2	510.4	575.4	468.1	389.2	232.1	297.9	401.8
Zamboanga Sibugay	329.4	297.9	286.4	186.2	172.9	109.6	167.5	174.8	106.7	70.0
City of Zamboanga	3,939.0	3,310.1	2,191.4	2,500.7	1,314.7	280.3	400.0	429.6	286.3	173.9
Nothern Mindanao	322.6	339.9	317.1	234.2	259.9	240.3	243.8	252.3	249.1	255.2
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	151.1	121.6	91.1	65.8	76.8	88.0	102.3	112.9	117.3	129.0
Misamis Occidental	170.9	196.3	226.0	165.5	157.8	152.3	141.5	137.0	130.4	125.6
Misamis Oriental	0.6	22.0	..	3.0	25.3	..	..	2.4	1.4	0.5
Davao Region	..	..	..	19.8	8.9	1.5	2.1	4.8	2.2	1.8
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	19.8	8.9	..	..	1.4	1.0	1.8
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	1.5	2.1	3.4	1.2	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.5	1.4	2.9	6.6	11.1	7.6	21.4	5.5	..	..
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	1.5	1.4	2.9	6.6	11.1	7.6	6.2	5.5	..	..
South Cotabato	..	..	..	..	..	..	15.3	..	..	..
Caraga	72.2	66.4	113.5	78.3	63.6	52.9	49.1	67.1	59.8	35.7
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	72.2	66.4	113.5	78.3	63.6	52.9	47.2	67.1	59.8	35.4
Surigao del Sur	..	..	..	..	..	..	1.9	..	..	0.3
ARMM	1,021.4	1,004.7	1,002.1	1,017.5	997.0	949.0	771.9	757.6	729.6	757.3
Basilan	318.7	320.3	307.9	286.3	290.6	294.2	156.7	127.1	86.3	89.2
Lanao del Sur	52.1	52.1	51.6	75.2	55.0	27.5	..	..	..	17.6
Maguindanao	0.9	1.9	1.8	0.8	0.7	..	..	6.0	6.6	6.9
Sulu	621.3	603.0	612.3	613.4	605.7	583.5	571.7	577.7	589.6	596.5
Tawi-tawi	28.4	27.3	28.5	41.8	45.1	43.8	43.4	46.8	47.1	47.2

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mullet (Kapak)										
Philippines	**1,713.9**	**1,565.4**	**1,100.0**	**791.8**	**699.6**	**571.5**	**454.3**	**203.2**	**316.9**	**345.6**
NCR	167.3	157.9	135.2	134.1	164.7	146.3	44.4	14.8	11.1	12.5
Metro Manila	167.3	157.9	135.2	134.1	164.7	146.3	44.4	14.8	11.1	12.5
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	17.7	10.8	14.5	16.0	26.2	23.2	21.2	19.4	22.6	24.4
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	17.7	10.8	14.5	16.0	26.2	23.2	21.2	19.4	22.6	24.4
Cagayan Valley	0.7	0.4	0.1	16.6	10.4	10.2	9.8	5.8	3.7	3.3
Cagayan	0.7	0.4	0.1	16.6	10.4	10.2	9.8	5.8	3.7	3.3
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	55.8	51.7	39.5	38.8	50.0	44.1	18.8	29.7	23.2	51.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	17.1
Bulacan	55.8	51.7	39.5	38.8	50.0	44.1	18.4	29.7	23.2	33.9
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	0.4	..	..	..
CALABARZON	50.6	107.9	83.8	90.7	70.3	30.1	20.9	10.3	18.8	45.9
Batangas	..	..	..	..	3.0	..	..	..	..	0.0
Cavite	50.6	107.9	83.8	73.6	51.9	29.9	20.9	10.3	18.8	45.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	..	..	..	17.1	15.4	0.2	..	..	..	..
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	26.5	17.6	30.2	39.2	43.1	55.5	13.9	24.8	32.5	22.8
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	0.7
Palawan	26.5	17.6	30.2	39.2	43.1	55.5	13.9	24.8	32.5	22.1
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	123.6	145.0	118.5	76.3	69.2	60.0	56.9	39.8	53.8	13.9
Albay	..	..	0.8	0.8	..	..	..	..	..	..
Camarines Norte	3.0	2.9	3.9	4.1	8.0	7.0	10.4	..	14.7	0.3
Camarines Sur	120.6	136.8	113.9	71.4	61.2	53.0	46.6	39.8	33.2	13.6
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	5.3	..	..	..	..	..	..	6.0	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	621.2	565.5	204.4	140.4	67.0	20.8	28.6	16.7	19.1	23.7
Aklan	2.8	2.2	3.1	2.5	2.1	6.8	2.3	5.2	5.4	5.7
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	581.0	543.0	197.0	54.0	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	0.4	14.2	..	..	..	..	0.0	0.9	0.1	12.1
Negros Occidental	37.0	6.2	4.4	83.9	64.9	14.0	26.3	10.7	13.6	5.9
Central Visayas	..	..	..	..	..	..	4.8	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	4.8	..	..	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	204.0	210.0	203.0	76.6	..	..	71.5	24.5	104.1	0.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	204.0	210.0	203.0	76.6	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	71.5	24.5	104.1	0.5
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	1.6	1.8	..	..	..	14.8	1.3	8.8	27.9	136.0
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	16.9	128.3
Zamboanga Sibugay	1.6	1.8	..	..	..	..	1.3	8.8	10.9	7.7
City of Zamboanga	..	..	..	..	..	14.8	..	..	..	..
Nothern Mindanao	443.0	278.9	256.3	151.7	186.2	160.7	140.8	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	443.0	278.9	256.3	151.7	186.2	160.7	140.8	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	1.9	11.6	..	0.0	0.6
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	..	1.9	11.6	..	0.0	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	0.6
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	0.8	16.9	13.4	10.5	7.9	..	1.4	..	..	3.0
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	0.8	16.9	13.4	10.5	7.9	..	1.4	..	..	3.0
Caraga	..	..	..	..	..	..	..	..	..	1.7
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	1.7
ARMM	1.1	1.1	1.1	1.1	4.7	4.0	8.3	8.7	..	6.6
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	1.1	1.1	1.1	1.1	4.7	4.0	8.3	8.7	..	6.6
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Parrot fish (Loro)										
Philippines	**1,395.2**	**823.2**	**805.5**	**763.0**	**636.2**	**703.0**	**626.8**	**649.3**	**602.8**	**464.6**
NCR	48.0	55.7	50.5	42.1	52.1	254.9	214.8	169.8	109.7	72.5
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	14.8	3.4	1.4	0.3	0.3	2.6	..	..	..	..
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	0.4	0.2	0.3	0.3	..	..	..	..	..
Pangasinan	14.8	3.0	1.2	..	..	2.6	..	..	..	..
Cagayan Valley	..	..	..	1.1	1.1	1.1	0.9	0.7	0.5	0.4
Cagayan	..	..	..	1.1	1.1	1.1	0.9	0.7	0.5	0.4
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	491.0	1.2	..	..	4.1	..	2.9	106.7	92.6	81.5
Batangas	..	..	..	..	3.0	..	..	..	..	..
Cavite	..	..	..	..	1.2	..	2.9	72.9	61.3	50.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	491.0	1.2	..	..	..	..	..	33.8	31.3	30.7
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	397.7	327.2	376.1	345.3	300.3	249.6	204.7	194.5	171.5	56.4
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	34.0	34.8	36.4	34.6	35.5	34.4	33.9	38.7	34.1	46.8
Oriental Mindoro	..	..	..	..	..	..	..	..	..	0.2
Palawan	363.6	292.4	339.7	310.7	264.8	215.2	170.8	155.8	137.4	9.4
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	79.7	81.6	77.6	81.8	78.6	22.4	..	6.2	8.6	5.2
Albay	..	..	0.5	0.5	..	..	..	6.2	4.9	5.1
Camarines Norte	79.7	81.6	77.1	81.3	78.6	20.1	..	..	..	0.1
Camarines Sur	..	..	..	..	..	..	..	..	3.6	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	2.3	..	..	..	..
Western Visayas	55.9	44.0	44.6	54.4	59.9	71.7	86.6	103.4	77.3	32.0
Aklan	..	..	..	0.3	0.3	3.9	..	0.3	8.0	2.6
Antique	50.7	40.0	34.7	35.0	34.6	48.2	45.2	29.7	15.9	10.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	4.4	0.4	..	..	0.8	0.1	0.3	2.0	1.1	1.0
Negros Occidental	0.9	3.7	9.9	19.1	24.2	19.5	41.2	71.4	52.4	17.7
Central Visayas	161.5	113.0	145.2	153.0	26.6	10.4	25.8	2.3	27.2	8.3
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	118.7	104.4	145.2	153.0	25.4	10.0	18.2	..	21.6	8.3
Negros Oriental	42.8	8.6	..	..	1.2	0.4	7.6	2.3	5.6	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	..	..	..	..	..	..	11.9	9.6	29.4	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	11.9	9.6	29.4	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	38.7	29.9	24.1	19.7	27.5	44.1	21.0	2.3	35.1	158.4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	0.6	..	34.7	158.4
Zamboanga Sibugay	38.7	29.4	20.7	14.6	3.5	3.1	..	2.3	0.4	..
City of Zamboanga	..	0.5	3.5	5.1	24.0	41.1	20.4	..	..	..
Nothern Mindanao	36.6	42.6	36.1	31.7	35.1	37.6	42.0	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	36.6	42.6	36.1	31.7	35.1	37.6	42.0	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	0.2	0.4
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.2	0.4
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	10.1	40.1	24.7	13.4	33.7	8.6	3.2	29.6	30.9	33.0
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	0.3	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	10.1	40.1	24.7	13.4	33.7	8.6	3.2	29.3	30.9	33.0
Caraga	61.2	84.4	25.2	20.1	16.9	..	13.0	24.3	19.8	15.4
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	61.2	70.4	4.7	5.7	1.6	..	9.9	13.6	9.1	2.9
Surigao del Sur	..	14.0	20.5	14.4	15.3	..	3.2	10.7	10.7	12.5
ARMM	..	..	..	..	..	..	..	..	..	1.0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	1.0
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Porgies (Pargo)										
Philippines	**5,182.0**	**4,515.1**	**4,009.1**	**3,639.9**	**3,118.3**	**2,269.4**	**1,112.2**	**1,709.9**	**1,414.0**	**921.8**
NCR	0.4	0.3	0.8	..	..	..	4.2	1.9	0.7	..
Metro Manila	0.4	0.3	0.8	..	..	..	4.2	1.9	0.7	..
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	0.6	0.6	1.5	0.4	0.4	4.9	..	..	..	..
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	0.6	0.6	1.5	0.4	0.4	4.9	..	..	..	..
Cagayan Valley	..	..	..	1.5	1.2	1.4	1.0	0.6	0.4	0.3
Cagayan	..	..	..	1.5	1.2	1.4	1.0	0.6	0.4	0.3
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	903.0	53.5	49.7	102.5	151.3	45.2	47.4	75.0	167.1	83.4
Batangas	1.0	0.9	..	..	1.7	..	..	..	..	1.1
Cavite	39.9	23.2	45.2	101.8	148.5	45.2	45.4	75.0	61.2	80.6
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	862.2	29.5	4.6	0.7	1.0	..	1.9	..	105.9	1.7
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	412.4	395.5	341.7	281.6	300.3	295.5	166.7	126.7	212.6	257.7
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	90.8	82.6	85.0	85.0	92.0	93.6	89.1	80.3	172.2	227.5
Oriental Mindoro	..	..	..	..	..	..	..	..	..	0.8
Palawan	321.6	312.9	256.7	196.5	208.4	201.9	77.6	46.4	40.5	29.4
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	15.1	14.4	30.1	26.0	20.5	14.5	11.3	268.8	250.7	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	0.4	..	..
Camarines Sur	15.1	14.4	30.1	26.0	20.5	14.5	11.3	10.5	8.4	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	257.9	242.3	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	3,543.6	3,862.9	3,435.2	3,068.1	2,476.7	1,763.7	776.6	807.2	481.2	359.5
Aklan	..	..	..	..	..	..	..	2.2	3.9	..
Antique	7.0	5.8	5.1	7.6	8.1	4.3	5.4	5.3	3.6	1.8
Capiz	976.5	992.0	1,223.0	751.7	223.1	173.6	103.6	63.6	27.6	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	954.4	1,259.5	867.0	757.1	652.8	272.2	59.3	97.8	101.6	187.4
Negros Occidental	1,605.6	1,605.7	1,340.2	1,551.7	1,592.7	1,313.6	608.3	638.3	344.6	170.4
Central Visayas	9.3	7.5	9.5	17.6	0.9	9.2	..	44.5	41.6	45.3
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	9.3	7.5	9.5	17.6	0.9	9.2	..	44.5	41.6	45.3
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	..	..	..	1.4	..	..	2.9	6.7	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	1.4	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	2.9	6.7	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	9.2	..	2.9	..	..	..	..	265.0	194.1	169.7
Zamboanga del Norte	..	..	2.9	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	2.9	104.9
Zamboanga Sibugay	9.2	..	..	..	..	..	..	0.6	15.7	..
City of Zamboanga	..	..	..	..	..	..	..	264.4	175.5	64.8
Nothern Mindanao	241.0	109.5	95.1	102.1	125.3	120.2	97.7	95.4	55.7	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	241.0	109.5	95.1	102.1	125.3	120.2	97.7	95.4	55.7	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.7	..	..	..	..	..	..	..	0.3	3.5
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	0.7	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.3	3.5
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	14.9	26.2	30.9	22.0	27.6	7.8	2.1	10.9	9.7	1.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	14.9	26.2	30.9	22.0	27.6	7.8	2.1	10.9	9.7	1.7
Caraga	20.3	33.1	..	..	..	..	2.3	7.3	..	..
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	20.3	32.2	..	..	..	..	..	..	..	..
Surigao del Sur	..	0.9	..	..	..	..	2.3	7.3	..	..
ARMM	11.5	11.5	11.7	16.7	14.2	7.1	..	..	..	0.7
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	11.5	11.5	11.7	16.7	14.2	7.1	..	..	..	0.7
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Round herring (Tulis)										
Philippines	**3,649.8**	**3,175.7**	**1,553.1**	**1,466.2**	**1,550.7**	**999.2**	**999.7**	**796.9**	**697.6**	**829.5**
NCR	..	..	80.7	..	83.6	..	88.5	111.1	89.4	..
Metro Manila	..	..	80.7	..	83.6	..	88.5	111.1	89.4	..
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	8.3	6.0	9.7	13.9	7.9	9.5	8.1	2.2	2.2	2.1
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	0.0	0.0	0.0	0.0	0.0	0.0	..	..	..	..
Pangasinan	8.3	6.0	9.7	13.9	7.9	9.4	8.1	2.2	2.2	2.1
Cagayan Valley	57.8	52.9	39.8	64.0	73.1	70.6	64.0	59.8	48.9	37.3
Cagayan	57.8	52.9	39.8	64.0	73.1	70.6	64.0	59.8	48.9	37.3
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	133.8	99.2	30.4	22.5	16.1	30.0	38.5	39.2	71.9	52.9
Batangas	38.5	31.6	30.1	21.9	13.0	30.0	4.7	4.5	3.9	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	95.3	67.6	0.2	0.7	3.2	..	33.8	34.7	68.1	52.9
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	268.9	243.3	335.9	272.7	291.0	293.5	204.7	208.5	186.7	157.5
Marinduque	..	..	..	..	..	..	..	..	1.0	..
Occidental Mindoro	112.6	102.2	102.5	100.6	99.3	99.6	101.8	89.3	72.1	33.5
Oriental Mindoro	..	..	..	..	..	..	..	..	..	35.3
Palawan	156.3	141.1	233.4	172.1	191.7	193.9	103.0	119.2	113.6	88.6
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	350.8	383.9	319.3	373.4	545.7	165.7	96.1	41.9	33.1	38.3
Albay	50.4	67.2	30.3	30.1	44.7	..	..	7.5	6.9	6.5
Camarines Norte	155.0	160.3	147.1	147.6	142.7	..	..	..	2.8	14.1
Camarines Sur	145.4	156.4	141.8	115.1	66.9	24.5	27.3	34.5	23.5	13.8
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	80.7	291.4	141.2	68.8	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	3.9
Western Visayas	538.8	483.9	428.6	437.6	354.3	270.7	291.7	147.6	125.2	159.9
Aklan	15.4	14.6	14.1	12.8	12.9	11.5	12.2	13.6	12.6	13.0
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	9.2	1.6	..	103.4	30.3	7.3	3.2	3.2	1.6	9.6
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	407.2	455.6	409.7	313.7	295.3	217.8	101.0	21.6	22.7	72.4
Negros Occidental	107.0	12.1	4.9	7.8	15.8	34.2	175.3	109.3	88.4	65.0
Central Visayas	..	..	..	..	7.7	..	5.2	..	7.9	11.9
Bohol	..	..	..	..	..	..	5.2	..	7.9	4.4
Cebu	..	..	..	..	7.7	..	..	..	..	7.5
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	197.4	125.2	103.1	123.0	52.5	36.6	99.6	47.4	26.3	75.8
Biliran	1.7	2.3	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	44.0	..	..	54.1	..	..	15.5	7.0	..	..
Northern Samar	52.3	51.8	48.5	43.8	38.7	31.7	26.9	24.0	23.6	17.7
Samar	57.5	36.2	27.0	18.2	13.7	4.9	55.1	16.4	2.7	58.1
Southern Leyte	42.0	35.0	27.6	6.8	..	..	2.1	..	..	..
Zamboanga Peninsula	183.4	159.0	174.5	117.7	83.6	83.8	62.2	90.4	58.4	146.1
Zamboanga del Norte	128.8	101.1	101.1	88.5	66.7	71.3	60.6	90.4	0.1	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	21.1	119.8
Zamboanga Sibugay	54.6	57.9	73.4	29.1	16.8	12.5	1.6	..	37.1	26.3
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	8.3	5.1	4.9	2.5	2.4	3.6	3.9	4.5	5.2	6.5
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	8.3	5.1	4.9	2.5	2.4	3.6	3.9	4.5	5.2	6.5
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	7.0	..	3.0	..	3.7	..	15.2
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	..	3.0	..	3.7	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	15.2
Davao Oriental	..	..	..	7.0	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	56.6
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	56.6
Caraga	45.2	6.8	..	..	..	..	..	..	..	23.8
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	45.2	3.8	..	..	..	..	..	..	..	..
Surigao del Sur	..	2.9	..	..	..	..	..	..	..	23.8
ARMM	1,857.2	1,610.6	26.2	31.9	32.8	32.4	37.1	40.7	42.5	45.6
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	2.6
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	1,844.8	1,584.0	..	..	..	..	..	..	..	..
Tawi-tawi	12.4	26.7	26.2	31.9	32.8	32.4	37.1	40.7	42.5	43.1

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Roundscad (Galunggong)										
Philippines	**194,671.2**	**172,498.5**	**167,152.7**	**200,393.5**	**197,090.1**	**164,443.0**	**156,187.2**	**126,533.4**	**120,364.8**	**141,652.6**
NCR	46,791.0	38,118.3	42,219.3	75,335.1	76,163.9	47,740.4	54,288.1	29,068.9	34,741.4	50,023.9
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	525.6	601.4	428.5	508.2	489.0	613.5	960.8	1,075.0	334.1	1,346.6
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	99.2	92.0	88.6	86.6	81.1	77.2	63.0	65.4	59.8	102.8
La Union	3.5	4.4	4.5	3.9	4.0	3.8	..	..	10.0	1.4
Pangasinan	422.9	505.0	335.4	417.7	403.9	532.5	897.8	1,009.6	264.3	1,242.4
Cagayan Valley	716.1	739.3	642.1	661.7	725.8	787.1	802.0	650.0	520.1	409.7
Cagayan	716.1	739.3	642.1	661.7	725.8	787.1	802.0	650.0	520.1	409.7
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	404.1	506.9	466.8	535.0	529.7	480.5	462.1	816.1	969.1	1,363.1
Aurora	24.2	19.6	18.6	19.3	18.8	9.7	13.7	19.5	18.8	16.6
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	15.5	5.0	..	0.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	379.9	487.2	448.2	515.7	510.8	470.9	432.8	791.6	950.3	1,346.3
CALABARZON	18,631.6	17,054.2	16,165.8	20,164.4	19,464.4	21,922.2	9,953.8	7,144.6	6,198.1	5,591.2
Batangas	1,353.2	1,320.6	1,164.9	1,258.2	1,000.3	944.3	1,058.3	844.4	803.5	609.4
Cavite	1,419.3	1,282.7	1,532.0	1,627.7	1,921.1	1,944.5	1,314.2	549.5	335.9	419.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	15,859.1	14,450.9	13,468.9	17,278.6	16,543.0	19,033.4	7,581.3	5,750.8	5,058.7	4,562.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	8,094.7	8,702.7	9,278.0	8,976.5	9,220.3	8,569.6	7,029.5	6,675.7	5,840.8	7,642.2
Marinduque	18.1	9.1	8.3	15.9	16.3	15.7	18.4	22.5	50.7	89.5
Occidental Mindoro	1,752.6	1,676.6	1,672.6	1,663.6	1,691.7	1,701.2	1,682.8	1,328.0	795.3	433.7
Oriental Mindoro	844.8	854.5	824.1	895.1	923.0	965.0	665.4	501.0	464.7	398.5
Palawan	5,391.3	6,093.5	6,698.2	6,275.3	6,437.9	5,750.8	4,627.2	4,648.4	4,293.2	6,546.2
Romblon	87.9	69.0	74.8	126.5	151.4	136.9	35.9	175.8	237.0	174.3
Bicol Region	17,106.9	17,044.7	16,737.8	17,238.4	17,256.8	17,016.8	15,726.3	13,068.9	10,683.1	6,988.2
Albay	1,001.6	1,058.4	1,116.5	1,154.8	1,258.0	1,223.1	1,196.2	1,215.7	1,111.6	1,048.9
Camarines Norte	1,324.2	1,287.4	1,313.0	1,345.1	1,366.3	2,125.2	2,808.4	1,467.2	757.8	310.9
Camarines Sur	12,374.3	12,442.4	12,613.0	12,447.7	12,488.2	11,949.0	9,895.0	8,418.5	7,294.3	4,475.7
Catanduanes	53.2	51.5	46.9	48.7	49.1	45.7	43.9	30.9	29.2	26.4
Masbate	2,187.4	2,088.7	1,466.4	1,949.7	1,821.3	1,614.8	1,717.1	1,908.9	1,473.8	1,079.2
Sorsogon	166.2	116.4	182.0	292.5	273.8	59.0	65.8	27.7	16.4	47.1
Western Visayas	8,402.5	7,839.5	7,787.0	9,121.1	9,228.9	8,357.9	7,599.4	9,132.9	6,090.9	6,671.5
Aklan	202.8	203.1	203.8	233.1	248.6	247.9	234.9	223.3	198.9	157.3
Antique	2,501.7	2,144.1	1,872.6	1,838.3	1,830.9	1,979.2	1,627.6	1,402.3	1,276.5	1,268.7
Capiz	973.0	899.0	1,157.0	1,554.8	1,185.2	1,322.4	1,004.7	944.6	458.5	469.4
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	3,610.9	3,635.1	3,307.6	4,253.5	4,945.0	3,903.7	3,479.4	4,733.7	3,160.0	3,978.5
Negros Occidental	1,114.1	958.2	1,246.1	1,241.3	1,019.3	904.6	1,252.8	1,829.1	997.0	797.6
Central Visayas	13,385.1	11,330.6	11,119.2	11,447.7	7,165.9	7,417.1	7,528.2	4,210.9	2,367.5	2,298.3
Bohol	664.3	350.6	380.9	786.8	524.9	775.4	1,398.0	791.9	647.5	537.1
Cebu	11,654.0	9,872.2	9,772.2	9,685.4	5,257.2	5,261.1	4,941.5	2,739.5	1,223.4	1,034.4
Negros Oriental	1,066.8	1,107.8	966.1	975.5	1,383.8	1,380.6	1,188.7	679.6	496.5	726.8
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	9,566.3	8,964.2	7,289.5	6,294.0	5,205.3	4,833.5	3,624.4	1,888.8	1,389.2	2,157.0
Biliran	1,401.4	1,158.1	1,107.5	1,005.9	1,016.6	996.8	890.8	358.9	273.2	349.6
Eastern Samar	1,993.0	2,068.9	2,178.7	2,032.9	1,484.7	1,284.5	929.5	440.9	342.3	449.5
Leyte	4,045.8	3,661.6	2,028.6	1,447.0	788.2	870.6	671.3	226.0	124.4	118.1
Northern Samar	272.4	271.8	263.7	266.1	272.9	283.6	283.6	264.1	229.4	211.2
Samar	1,042.7	1,034.8	1,048.0	1,071.4	1,192.8	955.1	481.9	470.8	335.0	1,023.6
Southern Leyte	811.0	769.1	663.0	470.7	450.2	442.9	367.3	128.0	84.9	5.0
Zamboanga Peninsula	30,431.4	19,958.7	14,159.8	15,161.1	15,613.6	12,136.3	14,603.1	20,120.4	18,928.0	26,151.4
Zamboanga del Norte	2,820.8	2,829.8	2,909.9	2,737.3	3,138.5	3,473.7	3,796.8	3,131.5	3,051.4	3,359.7
Zamboanga del Sur	4,496.2	4,350.1	3,408.5	3,330.9	3,646.8	3,678.6	3,492.7	3,388.8	3,153.5	2,991.5
Zamboanga Sibugay	689.2	193.4	161.5	178.3	118.6	75.0	17.9	29.9	71.3	..
City of Zamboanga	22,425.2	12,585.4	7,679.9	8,914.6	8,709.7	4,909.1	7,295.8	13,570.2	12,651.8	19,800.3
Nothern Mindanao	6,262.2	5,232.2	4,119.9	4,142.1	4,481.0	4,697.9	4,791.4	4,733.9	4,543.8	4,130.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	8.6	11.3	24.4	86.5	0.2	13.2	21.5	60.1	16.2	35.8
Lanao del Norte	1,254.6	1,024.6	994.1	1,174.8	1,105.1	1,140.5	1,157.6	1,261.8	1,204.4	1,189.5
Misamis Occidental	2,970.3	2,777.8	2,630.9	2,588.6	2,841.1	2,930.6	2,937.1	2,603.1	2,400.4	2,244.2
Misamis Oriental	2,028.7	1,418.6	470.5	292.2	534.6	613.6	675.3	808.8	922.8	660.6
Davao Region	2,417.6	2,513.7	2,790.4	1,983.0	1,335.8	759.4	663.0	1,135.7	643.6	299.3
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	1,521.7	1,504.6	1,888.3	1,280.8	561.0	227.5	174.8	570.9	307.5	14.3
Davao Occidental	.	.	.	.	.	.	.	.	.	111.3
Davao Oriental	649.5	826.1	698.7	491.2	463.5	349.5	277.0	232.2	184.7	105.0
City of Davao	246.4	183.0	203.4	210.9	311.3	182.5	211.2	332.6	151.4	68.8
SOCCSKSARGEN	12,318.6	13,905.4	13,868.7	9,029.8	9,762.7	8,604.1	10,007.5	8,901.9	7,769.6	7,220.4
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	53.6	82.8	101.8	87.8	43.7	18.9	12.3	11.3	4.7	24.0
Sultan Kudarat	858.6	787.3	727.5	708.8	696.3	708.6	775.0	965.1	394.4	169.9
South Cotabato	11,406.3	13,035.3	13,039.4	8,233.2	9,022.7	7,876.5	9,220.1	7,925.5	7,370.5	7,026.5
Caraga	434.5	379.7	458.6	537.4	312.8	282.5	367.0	618.6	495.3	361.1
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	249.7	187.3	254.9	371.9	195.8	144.7	130.0	159.8	190.9	147.8
Surigao del Sur	184.8	192.4	203.7	165.5	117.0	137.8	237.0	458.8	304.3	213.3
ARMM	19,183.1	19,607.3	19,621.3	19,258.1	20,134.3	20,224.3	17,780.8	17,291.2	18,850.5	18,998.6
Basilan	5,450.8	5,586.9	5,329.1	5,366.9	5,598.4	5,389.5	3,236.3	2,845.0	4,007.6	4,023.2
Lanao del Sur	616.1	614.8	608.9	605.9	663.2	703.8	444.2	445.2	317.5	132.2
Maguindanao	261.0	264.3	253.7	243.6	246.4	188.2	173.5	219.3	195.7	197.2
Sulu	12,830.6	13,117.2	13,403.4	13,011.9	13,592.9	13,900.9	13,878.4	13,733.2	14,280.6	14,598.3
Tawi-tawi	24.5	24.0	26.1	29.9	33.5	41.9	48.4	48.5	49.0	47.7

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid (Samaral)										
Philippines	**1,495.0**	**1,166.6**	**1,403.2**	**2,129.7**	**1,842.4**	**1,692.0**	**1,420.4**	**1,887.8**	**1,447.8**	**1,485.7**
NCR	17.4	23.9	19.5	13.9	23.4	283.9	208.9	61.7	48.0	63.8
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	7.0	8.9	11.0	19.6	22.7	23.4	21.5	20.2	22.6	28.4
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	3.9	3.4	4.0	3.0	3.1	2.7	..	..	..	..
Pangasinan	3.1	5.6	7.0	16.6	19.6	20.7	21.5	20.2	22.6	28.4
Cagayan Valley	2.6	1.6	0.7	3.5	4.9	7.0	5.2	3.3	2.1	1.4
Cagayan	2.6	1.6	0.7	3.5	4.9	7.0	5.2	3.3	2.1	1.4
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	..	..	..	..	3.6
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	0.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	..	..	..	..	3.5
CALABARZON	93.3	1.4	64.8	24.6	10.1	1.0	7.9	582.1	126.6	211.4
Batangas	..	..	0.8	1.5	2.7	..	..	..	..	..
Cavite	13.8	1.0	8.0	3.4	2.9	1.0	2.8	48.4	11.4	136.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	79.5	0.4	56.0	19.7	4.5	..	5.1	533.7	115.2	75.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	309.5	388.6	354.0	303.3	337.3	404.5	331.7	342.6	346.8	199.3
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	46.9	44.7	45.9	45.9	49.1	49.5	51.5	57.0	113.9	80.7
Oriental Mindoro	5.3	5.0	4.1	5.3	4.4	4.5	..	..	..	2.0
Palawan	257.3	338.9	304.0	252.1	283.8	350.5	280.2	285.6	232.5	116.6
Romblon	..	..	..	..	..	..	..	..	0.3	..
Bicol Region	217.5	218.3	216.2	186.1	135.9	21.2	4.2	12.5	27.8	2.8
Albay	..	..	0.6	0.6	..	..	..	4.9	3.8	0.7
Camarines Norte	28.1	26.3	27.4	28.1	28.9	..	..	..	17.4	1.7
Camarines Sur	181.8	181.1	188.3	157.5	107.0	19.6	4.0	4.6	3.7	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	11.0	..	..	..	..	..	3.0	3.0	..
Sorsogon	7.7	..	..	..	..	1.6	0.2	..	..	0.4
Western Visayas	110.7	83.7	61.6	129.3	76.1	71.2	59.0	105.1	86.3	58.9
Aklan	..	..	..	..	12.2	19.5	8.7	21.5	24.5	25.2
Antique	109.0	69.0	51.1	47.0	46.1	24.5	19.7	17.8	14.2	6.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	0.1	12.4	..	..	..	..	3.4	7.6	32.4	0.6
Negros Occidental	1.6	2.3	10.4	82.3	17.8	27.2	27.1	58.2	15.3	26.4
Central Visayas	85.6	49.0	47.5	48.1	0.7	2.6	23.5	2.7	3.4	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	20.5	15.5	15.5	12.0	..	..	0.1	..	..	..
Negros Oriental	65.1	33.5	32.1	36.1	0.7	2.6	23.4	2.7	3.4	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	334.1	..	..	366.5	264.2	59.2	52.6	99.0	27.7	60.7
Biliran	0.2	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	289.0	..	..	366.5	264.2	59.2	..	..	..	..
Northern Samar	24.8	..	..	..	..	..	..	..	..	..
Samar	20.1	..	..	..	..	..	52.6	99.0	27.7	60.7
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	110.5	8.6	1.8	3.6	85.3	9.0	..	9.2	97.7	132.0
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	101.5	..	..	..	..	..	..	..	23.9	129.0
Zamboanga Sibugay	9.0	8.6	1.8	2.3	1.3	0.4	..	9.2	2.6	3.0
City of Zamboanga	..	..	..	1.3	84.0	8.6	..	..	71.2	..
Nothern Mindanao	94.7	113.6	97.0	118.3	147.9	125.4	139.6	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	94.7	93.6	91.9	118.3	147.9	125.3	139.6	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	20.0	5.1	..	..	0.2	..	..	..	..
Davao Region	0.7	1.5	..	382.6	205.4	156.0	6.4	..	0.4	4.7
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	382.6	205.4	156.0	6.4	..	..	4.2
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.4	0.5
City of Davao	0.7	1.5	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.6	23.9	10.0	9.1	13.5	2.9	1.5	4.3	..	6.3
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	0.1	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	1.6	23.9	10.0	9.1	13.5	2.9	1.5	4.2	..	6.3
Caraga	105.3	109.1	13.8	12.9	6.7	..	3.1	50.4	55.1	45.8
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	105.3	108.1	6.7	8.2	5.7	..	3.1	8.1	10.6	7.7
Surigao del Sur	..	1.0	7.0	4.7	1.0	..	..	42.3	44.5	38.1
ARMM	4.6	134.4	505.2	508.4	508.4	524.7	555.5	594.6	603.4	666.5
Basilan	..	..	..	..	..	..	22.0	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	3.1
Maguindanao	4.6	3.9	3.7	3.4	3.3	1.1	..	9.5	13.1	13.9
Sulu	..	130.5	496.1	498.6	498.0	515.6	524.8	576.8	580.3	638.4
Tawi-tawi	..	..	5.3	6.4	7.1	8.1	8.7	8.3	10.0	11.1

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Skipjack (Gulyasan)										
Philippines	**177,698.1**	**147,979.4**	**165,105.3**	**171,261.1**	**194,583.4**	**199,152.5**	**189,612.0**	**217,701.1**	**229,348.9**	**238,793.3**
NCR	4,882.6	3,271.5	1,865.3	2,455.0	2,317.5	2,351.2	2,528.3	1,999.5	1,844.2	1,734.9
Metro Manila	4,882.6	3,271.5	1,865.3	2,455.0	2,317.5	2,351.2	2,528.3	1,999.5	1,844.2	1,734.9
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	247.7	225.0	213.1	214.3	213.3	257.5	580.2	871.4	267.0	668.1
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	217.7	216.3	209.1	206.0	203.7	202.2	181.8	176.8	166.5	215.9
La Union	..	..	..	..	..	..	..	..	53.3	24.3
Pangasinan	30.0	8.7	4.0	8.3	9.6	55.3	398.4	694.6	47.3	428.0
Cagayan Valley	490.0	451.1	386.2	321.0	350.5	345.2	314.9	257.4	201.8	150.7
Cagayan	490.0	451.1	386.2	321.0	350.5	345.2	314.9	257.4	201.8	150.7
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	1,666.5	1,741.0	1,426.6	1,287.2	1,338.7	1,152.6	733.7	833.8	1,094.8	1,267.9
Aurora	14.2	20.6	18.6	19.2	19.7	2.2	2.3	14.9	13.6	11.9
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	0.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	1,652.3	1,720.3	1,408.0	1,268.0	1,318.9	1,150.4	731.4	818.9	1,081.2	1,255.8
CALABARZON	3,016.9	1,868.2	2,273.0	1,784.0	2,140.3	2,583.6	2,298.9	1,772.4	1,417.4	2,636.5
Batangas	785.8	858.4	1,059.3	930.5	771.0	568.0	752.7	704.2	500.7	409.5
Cavite	355.9	251.0	242.0	297.9	457.1	535.6	536.3	319.7	194.6	248.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,875.2	758.9	971.8	555.6	912.2	1,479.9	1,009.9	748.5	722.1	1,978.4
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,861.6	1,638.8	1,605.6	1,603.2	1,655.4	1,603.1	1,112.8	953.3	773.3	752.7
Marinduque	15.8	4.0	1.2	3.8	4.2	1.6	7.2	5.1	0.6	15.4
Occidental Mindoro	493.0	596.1	534.0	535.9	548.0	555.0	580.6	600.7	393.5	370.9
Oriental Mindoro	99.4	95.2	90.7	96.1	90.8	84.2	68.5	61.1	83.4	69.1
Palawan	1,192.6	761.8	712.4	758.8	757.3	688.2	217.0	171.0	86.8	127.5
Romblon	60.7	181.8	267.3	208.8	255.1	274.1	239.6	115.3	209.0	169.8
Bicol Region	766.0	690.9	651.6	617.3	394.3	337.1	378.0	393.9	723.0	391.5
Albay	435.4	383.4	299.1	289.6	36.1	129.0	131.1	192.2	183.3	168.1
Camarines Norte	193.3	185.7	190.6	201.8	213.0	113.6	192.9	149.8	480.1	166.0
Camarines Sur	61.2	75.3	65.9	59.0	53.0	44.8	20.1	25.7	34.7	12.9
Catanduanes	..	..	2.6	8.6	8.8	6.9	7.2	7.9	7.8	6.4
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	76.1	46.5	93.5	58.3	83.3	42.8	26.8	18.4	17.0	38.1
Western Visayas	1,435.6	1,467.7	1,303.2	1,450.3	1,296.7	1,177.9	1,241.6	732.9	804.2	752.6
Aklan	38.2	37.6	33.5	48.6	58.9	61.3	61.1	66.4	74.3	70.1
Antique	619.2	619.3	683.7	633.0	596.2	583.8	537.6	569.0	522.0	391.1
Capiz	243.0	195.0	..	..	..	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	500.7	589.3	561.8	752.3	623.0	512.5	609.2	52.6	152.1	223.2
Negros Occidental	34.5	26.5	24.3	16.5	18.6	20.2	33.7	44.8	55.8	68.1
Central Visayas	1,073.6	900.7	796.2	743.6	533.1	475.7	381.6	481.2	234.1	276.1
Bohol	4.3	0.2	..	1.0	1.8	1.1	10.6	9.9	17.6	4.6
Cebu	41.4	26.0	38.4	32.0	28.0	33.0	58.1	7.9	2.0	13.0
Negros Oriental	1,028.0	874.5	757.9	710.6	503.3	441.7	312.9	463.4	214.5	258.5
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	3,998.1	4,703.5	4,575.0	3,890.4	2,868.6	2,406.6	2,290.9	958.3	1,225.7	1,218.3
Biliran	7.7	8.0	1.8	2.1	2.0	1.1	0.8	..	..	..
Eastern Samar	3,652.9	4,420.6	4,127.3	3,456.3	2,594.1	2,174.9	1,888.6	701.8	654.2	624.2
Leyte	139.5	92.9	230.9	187.7	14.3	11.0	117.2	..	300.4	398.3
Northern Samar	91.0	76.3	91.8	114.3	124.7	123.6	129.2	137.7	110.1	110.5
Samar	..	..	..	..	..	..	34.2	11.1	95.0	85.2
Southern Leyte	107.0	105.8	123.2	130.1	133.5	95.9	120.9	107.7	66.0	..
Zamboanga Peninsula	9,010.6	7,095.6	6,568.1	7,138.2	8,099.0	6,483.3	5,855.6	4,398.2	4,631.8	4,959.8
Zamboanga del Norte	496.9	539.4	162.7	282.6	232.7	173.8	235.0	350.8	463.2	523.8
Zamboanga del Sur	2,885.4	3,394.5	3,471.7	3,475.7	3,896.3	3,693.1	3,282.8	3,227.2	2,770.4	2,135.8
Zamboanga Sibugay	73.6	..	..	..	10.1	..	77.9	3.1	0.8	..
City of Zamboanga	5,554.7	3,161.8	2,933.7	3,379.9	3,959.9	2,616.4	2,259.9	817.1	1,397.4	2,300.1
Nothern Mindanao	942.4	868.3	729.3	409.0	602.9	507.9	631.2	633.5	787.7	871.5
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	32.9	48.9	99.4	14.4	86.9	23.8	62.8	80.3	9.6	21.9
Lanao del Norte	651.1	501.6	473.0	271.5	305.7	259.1	259.6	265.8	259.6	272.1
Misamis Occidental	206.2	152.0	127.9	111.5	123.8	120.6	114.5	107.6	97.5	93.0
Misamis Oriental	52.3	165.8	29.0	11.6	86.6	104.4	194.3	179.8	421.0	484.4
Davao Region	1,222.5	1,183.3	875.4	382.6	599.2	485.9	332.8	531.7	645.2	189.0
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	927.4	862.0	595.7	82.3	63.7	41.9	120.6	324.7	496.4	7.4
Davao Occidental	.	.	.	.	.	.	.	.	.	3.7
Davao Oriental	276.1	299.2	260.5	285.1	504.8	423.1	197.2	169.2	102.5	154.2
City of Davao	19.1	22.0	19.2	15.2	30.7	20.9	15.0	37.9	46.3	23.7
SOCCSKSARGEN	138,798.3	113,682.7	133,695.2	140,411.6	163,130.6	169,759.3	161,496.8	193,101.3	205,123.6	212,805.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	59.2	279.6	234.1	135.0	55.5	15.0	18.5	6.8	4.0	29.0
Sultan Kudarat	694.3	685.4	696.1	741.3	929.5	891.0	831.4	893.9	368.3	218.6
South Cotabato	138,044.8	112,717.7	132,765.0	139,535.4	162,145.6	168,853.2	160,647.0	192,200.6	204,751.3	212,557.7
Caraga	970.7	664.5	658.4	797.1	1,062.6	950.1	780.1	906.3	1,021.7	1,065.8
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	765.8	532.1	492.5	640.1	815.3	756.2	606.1	586.9	631.3	679.9
Surigao del Sur	204.9	132.4	165.9	157.0	247.3	193.9	173.9	319.4	390.4	385.9
ARMM	7,315.0	7,526.8	7,483.3	7,756.3	7,980.9	8,275.7	8,654.8	8,876.1	8,553.5	9,052.8
Basilan	268.5	248.8	247.1	376.9	391.8	422.9	451.1	592.0	181.9	181.8
Lanao del Sur	5.6	5.5	5.4	20.3	22.2	18.1	17.2	17.4	..	12.5
Maguindanao	2.2	3.2	1.4	1.7	1.6	7.6	9.8	41.0	42.0	43.5
Sulu	7,006.8	7,237.5	7,198.8	7,321.6	7,524.0	7,773.6	8,115.2	8,165.0	8,265.2	8,755.3
Tawi-tawi	32.0	31.8	30.5	36.0	41.4	53.6	61.5	60.6	64.5	59.7

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Slipmouth (Sapsap)										
Philippines	**20,308.5**	**19,533.8**	**17,672.8**	**15,052.4**	**14,793.4**	**13,637.0**	**14,900.9**	**12,793.5**	**10,619.4**	**9,411.0**
NCR	178.9	190.6	286.0	470.5	1,245.5	869.2	1,718.6	991.3	727.0	830.1
Metro Manila	178.9	190.6	286.0	470.5	1,245.5	869.2	1,718.6	991.3	727.0	830.1
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	52.8	55.1	60.5	82.5	88.3	94.4	97.4	76.3	101.8	128.0
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	18.9	36.9	30.1	34.7	36.9	37.3	38.7	36.8	53.2	78.3
Pangasinan	33.9	18.3	30.3	47.9	51.4	57.1	58.7	39.5	48.7	49.7
Cagayan Valley	1,034.3	1,016.1	746.4	773.6	778.4	860.1	849.7	701.6	567.0	385.0
Cagayan	1,034.3	1,016.1	746.4	773.6	778.4	860.1	849.7	701.6	567.0	385.0
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	38.4	40.5	18.9	23.6	26.0	17.9	14.1	19.1	9.5	48.6
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	0.7	..	12.9
Bulacan	33.0	38.0	18.9	23.6	26.0	15.2	9.4	18.4	9.5	18.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	5.4	2.5	..	..	..	2.7	4.7	..	..	17.6
CALABARZON	3,437.9	3,320.6	2,729.8	414.5	458.5	730.0	483.5	1,306.5	522.7	528.7
Batangas	30.4	22.5	60.0	22.2	31.3	45.7	4.0	4.1	3.6	16.8
Cavite	65.2	33.4	33.8	54.6	45.4	37.9	31.2	115.4	224.6	308.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	3,342.2	3,264.6	2,636.0	337.6	381.8	646.4	448.3	1,187.0	294.5	203.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,941.1	2,937.1	2,809.7	3,317.6	3,503.0	2,563.0	2,618.6	2,596.1	1,963.0	1,545.1
Marinduque	..	..	..	..	..	..	..	1.7	..	..
Occidental Mindoro	304.7	283.5	278.9	275.7	269.8	264.4	267.2	264.7	122.4	60.3
Oriental Mindoro	184.9	178.5	168.7	172.2	187.2	181.5	151.7	182.7	..	1.9
Palawan	2,451.6	2,475.1	2,362.2	2,869.8	3,046.1	2,117.2	2,199.7	2,147.0	1,840.3	1,482.8
Romblon	..	..	..	..	..	..	..	..	0.3	..
Bicol Region	1,863.1	1,912.1	1,801.8	1,927.2	1,780.0	1,692.7	2,051.3	2,293.1	1,841.3	986.5
Albay	2.0	62.5	79.9	161.8	172.0	161.9	167.5	178.5	170.9	169.6
Camarines Norte	255.0	251.7	220.3	240.9	244.1	149.0	189.4	302.5	243.6	200.1
Camarines Sur	902.7	915.7	919.5	827.3	652.6	488.5	358.4	348.2	285.9	165.2
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	703.4	682.3	582.2	697.2	688.8	877.9	1,336.0	1,464.0	1,141.0	451.7
Sorsogon	..	..	..	..	22.5	15.6	..	..	..	..
Western Visayas	6,195.5	6,003.0	5,058.6	4,481.7	4,769.1	4,246.2	2,913.4	3,530.6	3,511.5	3,222.2
Aklan	42.4	38.1	33.4	30.5	29.2	36.1	31.6	34.8	28.6	26.3
Antique	0.7	9.4	37.3	80.9	127.5	239.1	225.1	104.5	84.4	12.0
Capiz	985.8	1,009.0	802.0	616.1	786.9	959.9	504.4	690.8	523.1	410.5
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	2,011.1	1,906.9	1,204.3	907.8	540.1	300.3	321.2	961.1	1,085.9	1,391.1
Negros Occidental	3,155.5	3,039.6	2,981.7	2,846.6	3,285.4	2,710.8	1,831.1	1,739.4	1,789.6	1,382.3
Central Visayas	715.0	658.0	678.2	770.9	338.9	615.6	549.8	225.3	451.9	29.3
Bohol	..	..	..	..	..	..	1.1	..	2.4	2.2
Cebu	631.0	631.0	672.5	770.9	338.9	615.6	510.8	220.8	380.0	27.1
Negros Oriental	84.0	27.0	5.7	..	..	..	37.9	4.5	69.6	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	2,351.5	2,351.0	2,361.4	1,808.4	1,139.7	1,102.8	848.1	300.4	243.3	864.2
Biliran	66.6	47.4	28.3	26.3	26.7	25.7	19.3	30.3	31.5	31.0
Eastern Samar	162.7	194.3	195.5	174.6	71.4	57.9	..	..	..	..
Leyte	1,493.1	1,532.1	1,640.7	1,202.1	618.9	702.0	532.8	20.8	1.0	0.5
Northern Samar	49.2	56.5	59.7	47.7	42.3	36.5	34.1	31.3	25.4	25.3
Samar	580.0	520.7	437.2	357.7	380.4	280.7	261.9	218.1	185.4	807.4
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	1,044.8	742.2	811.0	582.7	240.6	486.6	470.7	393.2	330.1	452.0
Zamboanga del Norte	60.6	46.8	5.6	..	..	..	..	..	..	..
Zamboanga del Sur	73.8	..	43.4	37.3	46.7	37.8	1.0	..	37.7	269.9
Zamboanga Sibugay	527.3	394.2	484.1	288.6	168.0	157.7	302.6	317.1	268.2	164.0
City of Zamboanga	383.2	301.1	278.0	256.8	26.0	291.1	167.1	76.1	24.3	18.0
Nothern Mindanao	292.2	141.9	119.7	148.0	163.6	189.9	213.3	229.0	230.3	228.7
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	292.2	138.1	119.7	148.0	163.6	189.9	213.3	229.0	230.3	228.7
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	3.8	..	..	..	..	..	..	..	..
Davao Region	..	..	17.8	6.9	110.2	2.5	13.9	0.5	1.2	0.4
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	17.8	6.9	110.2	2.5	6.5	0.5	1.2	0.4
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	7.4	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	8.5	11.6	11.8	7.4	4.5	17.2	1,938.6	0.1	0.2	0.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	0.2	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	8.5	11.6	11.8	7.4	4.5	17.2	1,938.6	0.1	..	0.7
Caraga	55.6	57.6	55.0	114.0	24.4	11.9	8.0	16.9	5.6	50.0
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	47.5	41.0	27.7	92.7	15.6	8.4	6.5	14.9	5.6	2.0
Surigao del Sur	8.1	16.6	27.4	21.3	8.8	3.6	1.5	2.0	..	48.0
ARMM	98.9	96.7	106.3	122.9	122.8	137.1	111.9	113.6	113.0	111.7
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	7.8	7.7	7.5	24.0	21.9	41.2	17.6	18.0	18.3	13.7
Maguindanao	6.8	7.2	6.4	6.1	6.2	1.8	1.7	..	..	..
Sulu	63.5	61.6	74.7	74.0	75.5	76.0	74.4	78.4	75.5	79.7
Tawi-tawi	20.8	20.3	17.7	18.8	19.2	18.1	18.4	17.3	19.1	18.4

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Snapper (Maya-maya)										
Philippines	**2,942.2**	**3,746.0**	**2,514.9**	**2,334.2**	**1,789.7**	**1,660.0**	**1,501.8**	**2,051.0**	**1,531.8**	**1,750.4**
NCR	..	..	..	3.1	1.8	14.7	39.0	207.7	135.7	176.8
Metro Manila	..	..	..	3.1	1.8	14.7	39.0	207.7	135.7	176.8
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	30.6	30.8	35.0	35.9	49.0	41.3	39.6	35.7	44.5	50.6
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	3.6	3.1	3.1	2.0	2.0	2.1	..	0.6	4.0	10.0
Pangasinan	26.9	27.7	31.9	33.9	46.9	39.3	39.6	35.1	40.5	40.5
Cagayan Valley	65.2	64.5	56.7	58.8	41.8	50.7	48.1	28.8	16.6	13.1
Cagayan	65.2	64.5	56.7	58.8	41.8	50.7	48.1	28.8	16.6	13.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	..	..	..	..	..	1.3	2.9	4.9	78.6	84.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	0.6	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	1.3	2.9	4.9	78.1	84.1
CALABARZON	740.3	1,218.3	301.5	131.2	151.4	201.4	21.3	301.6	60.9	82.4
Batangas	20.4	42.3	13.6	12.2	6.2	6.1	8.7	8.3	8.1	6.3
Cavite	5.7	5.2	2.3	0.5	0.4	2.1	1.5	2.9	39.0	63.1
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	714.2	1,170.8	285.7	118.5	144.7	193.2	11.1	290.4	13.8	13.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	520.5	595.6	601.4	560.4	547.5	633.2	444.9	410.8	365.2	340.6
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	64.4	65.3	66.2	63.7	68.2	66.3	64.3	63.0	81.6	117.4
Oriental Mindoro	25.3	24.9	23.3	20.5	18.5	16.8	12.2	6.0	..	3.2
Palawan	430.8	505.4	511.9	476.2	460.7	550.2	368.4	341.8	283.7	220.0
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	52.6	78.2	74.9	65.4	39.5	41.2	43.9	200.5	118.4	42.4
Albay	1.0	21.1	30.0	52.9	29.6	30.7	35.5	48.1	42.3	42.1
Camarines Norte	34.6	38.1	32.4	6.8	8.3	6.1	0.8	3.2	0.3	..
Camarines Sur	17.0	16.0	11.0	4.0	..	..	0.1	2.3	1.6	..
Catanduanes	..	3.0	1.5	1.6	1.7	..	..	..	0.4	0.3
Masbate	..	..	..	..	..	..	7.5	147.0	73.9	..
Sorsogon	..	..	..	..	..	4.4	..	..	..	..
Western Visayas	802.9	1,346.1	1,099.8	1,071.8	615.7	366.3	421.0	410.3	268.3	355.2
Aklan	2.4	4.9	1.3	2.1	1.8	0.5	13.7	11.2	11.2	12.4
Antique	137.4	102.8	104.9	103.6	96.5	55.1	59.9	52.7	41.3	38.7
Capiz	506.3	522.0	536.0	255.0	29.3	..	..	..	..	..
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	85.1	99.9	62.6	57.7	70.8	35.5	41.5	38.2	18.7	175.2
Negros Occidental	71.7	616.5	395.1	653.3	417.3	275.2	305.9	308.3	197.0	129.0
Central Visayas	137.8	128.4	143.0	126.8	39.0	18.9	29.5	8.3	8.7	1.3
Bohol	..	..	..	..	..	..	..	..	1.3	..
Cebu	117.0	97.0	102.5	80.5	30.4	11.0	..	..	..	..
Negros Oriental	20.8	31.4	40.5	46.3	8.5	7.9	29.5	8.3	7.4	1.3
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	288.8	40.3	15.2	13.2	9.6	7.1	111.5	125.6	114.6	100.2
Biliran	2.5	2.9	0.5	0.5	0.3	0.3	0.4	2.2	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	261.1	17.5	0.1	..	..	0.4	19.6	18.3	..	10.9
Northern Samar	25.2	19.8	14.7	12.7	9.3	6.4	6.5	6.7	8.5	5.0
Samar	..	..	..	..	..	..	85.1	98.5	106.1	84.4
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	11.5	11.2	17.0	15.8	66.2	59.1	28.8	29.8	35.5	199.6
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	0.5	..	..	..	..	..	..	..	9.5	161.2
Zamboanga Sibugay	11.1	11.2	17.0	15.8	29.2	59.1	28.8	28.3	20.7	38.4
City of Zamboanga	..	..	..	..	37.0	..	..	1.5	5.3	..
Nothern Mindanao	216.1	129.0	107.1	156.5	163.4	167.2	156.0	182.4	172.0	189.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	216.1	129.0	107.1	156.5	163.4	167.2	156.0	182.4	172.0	189.1
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	40.3	15.1	6.3	37.5	6.4	1.7	1.0
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	0.8	15.1	6.3	8.9	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	39.5	..	..	28.6	6.4	1.7	1.0
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	13.7	37.0	33.0	28.5	26.4	11.3	1.2	2.2	2.2	1.6
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	0.1	0.4
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	13.7	37.0	33.0	28.5	26.4	11.3	1.2	2.2	2.1	1.2
Caraga	48.3	49.8	11.9	6.2	2.7	0.8	12.4	41.7	49.7	27.9
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	44.3	49.8	6.4	6.2	2.7	..	3.8	5.9	7.8	0.6
Surigao del Sur	4.0	..	5.5	..	..	0.8	8.6	35.8	41.9	27.3
ARMM	13.9	17.1	18.3	20.4	20.7	39.2	64.3	54.2	59.1	84.3
Basilan	..	..	..	..	..	..	19.0	..	..	29.1
Lanao del Sur	1.9	1.9	1.9	..	..	18.4	20.1	19.4	18.3	14.3
Maguindanao	5.7	6.1	5.9	9.0	8.4	7.3	8.4	16.3	21.3	20.4
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	6.3	9.1	10.5	11.4	12.3	13.6	16.8	18.5	19.6	20.5

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Spanish mackerel (Tanigue)										
Philippines	**5,178.0**	**4,502.1**	**4,912.4**	**5,600.4**	**5,286.9**	**5,317.9**	**5,787.0**	**4,587.3**	**4,350.2**	**4,732.2**
NCR	21.8	38.0	39.5	29.6	38.1	60.7	192.9	228.1	164.3	176.6
Metro Manila	21.8	38.0	39.5	29.6	38.1	60.7	192.9	228.1	164.3	176.6
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	29.7	31.7	21.7	33.9	40.7	51.9	43.3	41.6	48.4	39.2
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	0.2	..
La Union	2.0	2.7	5.2	6.2	6.2	7.0	8.2	7.8	7.5	3.4
Pangasinan	27.7	29.0	16.5	27.8	34.4	44.9	35.1	33.8	40.7	35.7
Cagayan Valley	594.9	507.3	405.8	419.4	436.9	420.9	405.1	382.9	322.9	270.0
Cagayan	594.9	507.3	405.8	419.4	436.9	420.9	405.1	382.9	322.9	270.0
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	5.1	3.3	1.0	..	..	2.8	275.2	40.9	134.2	165.5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	258.8	..	..	..
Bulacan	3.1	3.3	1.0	..	..	..	10.6	..	..	0.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	2.0	..	..	..	..	2.8	5.7	40.9	134.2	164.9
CALABARZON	416.0	416.0	877.8	1,471.3	841.5	520.5	597.5	446.7	187.4	267.7
Batangas	38.6	31.2	21.3	30.8	20.9	24.5	29.9	12.0	10.7	6.2
Cavite	0.2	..	9.9	31.4	64.6	45.8	33.1	54.0	80.9	66.0
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	377.2	384.8	846.7	1,409.2	755.9	450.2	534.5	380.8	95.8	195.6
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	248.0	287.1	263.6	242.0	222.1	260.5	259.8	278.0	229.1	293.9
Marinduque	..	..	..	..	..	..	..	2.5	..	..
Occidental Mindoro	37.8	35.3	34.9	34.2	31.8	30.5	31.5	35.5	47.5	77.0
Oriental Mindoro	11.2	10.7	9.3	8.3	7.8	6.0	4.3	3.5	..	3.0
Palawan	183.8	208.4	197.2	175.2	155.5	192.9	212.3	235.0	176.2	191.0
Romblon	15.3	32.7	22.2	24.4	27.0	31.0	11.7	1.6	5.4	22.8
Bicol Region	200.5	217.0	345.7	464.7	609.4	505.8	544.1	570.5	511.1	445.3
Albay	88.5	117.9	194.9	303.7	448.6	427.2	424.0	443.1	408.5	392.2
Camarines Norte	41.5	35.7	87.1	96.1	95.6	24.8	64.7	57.4	27.2	10.7
Camarines Sur	24.1	22.0	20.1	15.0	12.5	10.6	27.4	45.0	43.2	13.8
Catanduanes	39.1	41.3	37.1	39.4	37.8	30.6	27.6	24.7	22.0	15.7
Masbate	..	..	..	..	..	..	0.0	0.4	10.2	12.9
Sorsogon	7.2	..	6.5	10.5	15.0	12.6	0.5	..	..	..
Western Visayas	1,004.4	874.9	930.8	761.2	813.6	788.6	427.4	200.3	353.9	269.4
Aklan	0.4	0.3	0.1	0.1	..	..	..	..	1.5	1.9
Antique	105.0	76.3	66.7	60.0	57.2	30.7	23.6	16.2	12.6	10.1
Capiz	524.3	512.0	464.0	15.7	11.1	2.6	4.7	5.0	5.9	23.8
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	320.6	258.0	172.4	510.6	433.4	288.9	205.5	107.4	251.6	133.9
Negros Occidental	54.2	28.3	227.7	174.9	311.9	466.3	193.6	71.8	82.2	99.8
Central Visayas	97.8	71.5	42.2	29.6	22.8	60.7	209.5	71.8	45.1	30.1
Bohol	0.8	..	..	..	..	2.8	..	..	0.1	0.1
Cebu	29.2	28.0	37.1	27.7	19.4	51.3	189.3	12.7	17.2	19.1
Negros Oriental	67.8	43.5	5.1	1.9	3.5	6.6	20.2	59.2	27.8	10.9
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	265.8	151.9	166.3	186.7	222.5	244.1	505.2	127.9	130.4	165.5
Biliran	4.0	4.5	2.9	2.5	2.7	2.3	2.9	12.0	15.0	24.9
Eastern Samar	..	..	..	..	..	..	262.8	32.0	..	..
Leyte	121.5	10.1	3.2	1.0	2.6	7.1	32.5	..	3.3	..
Northern Samar	51.4	42.4	47.4	41.1	35.8	32.8	30.3	27.7	41.2	53.8
Samar	39.8	39.3	39.9	38.2	45.0	46.3	62.7	41.5	71.0	86.7
Southern Leyte	49.0	55.6	73.0	103.9	136.4	155.7	114.1	14.7	..	0.2
Zamboanga Peninsula	883.9	571.3	531.2	413.0	461.9	815.7	627.2	438.7	377.6	691.7
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	0.7
Zamboanga del Sur	603.0	403.8	430.5	289.9	301.4	329.9	293.5	236.3	271.5	460.8
Zamboanga Sibugay	121.7	95.6	100.0	123.1	142.4	126.9	116.2	49.6	47.0	25.6
City of Zamboanga	159.3	71.9	0.8	..	18.1	358.8	217.5	152.9	59.2	204.6
Nothern Mindanao	747.8	674.4	597.0	851.9	843.3	781.2	885.9	960.5	962.2	970.3
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	0.4	..	..	..	..	..	..	..	..
Lanao del Norte	690.2	548.6	523.9	785.7	768.8	717.1	830.5	909.5	916.7	927.5
Misamis Occidental	57.6	125.5	73.1	66.2	74.6	64.2	55.4	51.0	45.5	42.5
Misamis Oriental	0.0	..	..	..	..	..	..	..	..	0.4
Davao Region	9.6	11.7	10.1	6.4	32.7	26.7	25.5	15.1	13.8	7.9
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	0.5	..	..	1.3	25.4	21.0	21.1	2.0	0.1	0.0
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	8.4	11.7	10.1	5.1	7.3	5.7	4.4	13.2	13.7	6.5
City of Davao	0.7	..	..	..	..	..	..	..	..	1.3
SOCCSKSARGEN	91.2	87.2	90.1	105.6	120.9	171.2	82.7	77.4	17.4	53.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	0.6	..	..	..	..	..	..	1.4	0.7	0.4
Sultan Kudarat	85.0	83.1	83.9	97.3	108.7	97.4	72.2	69.8	4.2	43.1
South Cotabato	5.6	4.1	6.2	8.3	12.3	73.8	10.5	6.2	12.6	10.0
Caraga	52.2	42.0	74.1	48.9	38.9	57.8	70.2	71.5	108.0	158.9
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	52.0	26.1	55.9	31.4	19.0	37.0	34.2	44.0	37.6	10.3
Surigao del Sur	0.2	15.9	18.3	17.5	19.9	20.8	36.0	27.5	70.4	148.6
ARMM	509.4	516.8	515.5	536.0	541.6	548.9	635.7	635.2	744.5	726.9
Basilan	..	..	..	..	..	..	87.0	91.2	185.4	193.8
Lanao del Sur	31.0	31.0	30.7	52.6	68.4	68.9	52.3	51.6	38.7	25.3
Maguindanao	6.7	8.0	7.2	7.3	7.1	5.2	8.7	..	..	..
Sulu	452.8	460.1	460.1	455.5	443.1	446.2	453.5	459.6	486.9	475.3
Tawi-tawi	18.8	17.8	17.5	20.7	23.0	28.6	34.3	32.9	33.5	32.5

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Squid (Pusit)										
Philippines	**14,402.5**	**13,333.3**	**13,489.2**	**14,520.1**	**12,536.3**	**12,229.8**	**11,944.6**	**11,062.5**	**11,238.4**	**9,256.2**
NCR	250.5	236.7	202.2	325.1	112.9	190.0	292.4	357.6	398.3	340.2
Metro Manila	250.5	236.7	202.2	325.1	112.9	190.0	292.4	357.6	398.3	340.2
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	53.7	45.7	51.6	51.9	68.9	74.2	70.6	71.5	87.8	101.8
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	41.2	42.3	29.3	28.8	32.4	32.2	35.1	30.4	41.8	57.9
Pangasinan	12.5	3.4	22.3	23.1	36.5	42.0	35.6	41.1	46.1	43.8
Cagayan Valley	440.4	440.4	378.9	394.5	395.8	400.6	390.4	284.2	210.1	180.5
Cagayan	440.4	440.4	378.9	394.5	395.8	400.6	390.4	284.2	210.1	180.5
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	53.2	52.0	43.1	37.4	36.3	39.8	188.5	25.0	3.9	107.2
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	156.3	0.2	..	50.5
Bulacan	50.4	52.0	43.1	37.4	36.3	39.8	27.3	23.9	3.9	7.5
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	2.8	..	..	..	..	..	4.9	0.9	..	49.2
CALABARZON	1,603.6	1,863.7	1,531.9	1,092.9	711.0	679.0	1,214.8	896.6	647.6	605.1
Batangas	268.7	223.5	167.6	153.2	166.2	176.7	150.2	95.1	72.8	38.7
Cavite	273.6	301.7	200.8	213.5	281.5	219.1	303.4	232.7	264.6	271.3
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,061.4	1,338.5	1,163.6	726.3	263.3	283.2	761.2	568.7	310.2	295.2
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,027.7	980.9	1,047.6	1,019.9	1,027.9	911.4	1,299.3	1,447.8	1,378.7	933.0
Marinduque	1.9	0.9	2.2	..	1.0	1.0	4.8	3.8	4.8	2.5
Occidental Mindoro	423.9	401.6	386.7	396.4	426.9	434.4	426.8	370.6	269.8	161.7
Oriental Mindoro	117.7	113.4	122.8	142.2	161.4	154.9	153.5	143.3	152.9	155.2
Palawan	484.2	465.0	535.9	481.3	438.7	321.1	714.1	930.1	951.2	613.6
Romblon	..	..	..	..	..	..	..	..	0.1	..
Bicol Region	907.0	887.5	865.6	977.8	974.6	864.6	687.9	698.6	571.9	593.1
Albay	273.0	275.8	283.2	308.0	323.6	296.7	290.1	312.2	265.8	249.4
Camarines Norte	323.8	308.6	329.2	372.3	383.0	360.9	266.8	255.6	155.2	227.9
Camarines Sur	110.5	126.2	121.6	103.1	96.0	74.4	52.3	36.5	23.4	11.2
Catanduanes	..	..	0.6	..	..	..	..	..	..	..
Masbate	188.8	170.9	126.6	133.5	125.0	127.5	78.6	94.3	127.5	104.6
Sorsogon	11.0	6.1	4.4	60.9	47.1	5.1	..	..	..	..
Western Visayas	4,565.0	4,160.0	3,695.8	5,553.6	5,360.2	5,035.8	3,408.5	3,735.5	3,912.2	3,094.6
Aklan	0.2	4.1	4.9	6.1	7.5	5.9	7.5	7.8	10.2	10.3
Antique	12.3	14.0	13.6	21.2	55.7	60.8	85.8	59.7	104.5	59.5
Capiz	779.0	737.0	740.0	479.3	74.3	88.0	166.8	339.4	142.4	162.4
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	2,356.9	2,193.1	1,860.9	3,523.9	3,530.1	3,529.7	1,805.3	2,348.7	2,011.1	1,280.2
Negros Occidental	1,416.6	1,211.9	1,076.4	1,523.0	1,692.6	1,351.4	1,343.0	979.9	1,644.0	1,582.3
Central Visayas	869.6	892.6	876.1	1,192.8	428.4	327.3	639.0	255.3	114.6	86.9
Bohol	59.6	60.9	25.1	12.5	12.0	16.3	1.6	0.2	6.5	2.6
Cebu	735.0	763.8	769.3	1,088.6	275.7	218.5	531.8	156.2	76.3	53.8
Negros Oriental	75.0	68.0	81.7	91.8	140.8	92.5	105.5	98.9	31.8	30.5
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	560.2	485.5	411.7	387.3	456.8	502.4	323.3	313.9	295.6	331.5
Biliran	6.0	6.5	1.8	1.7	1.6	1.6	2.2	11.6	2.4	24.8
Eastern Samar	27.6	6.0	..	..	..	..	..	7.0	13.1	8.9
Leyte	99.0	31.0	9.0	0.7	171.0	228.7	5.0	..	..	..
Northern Samar	116.4	117.1	120.8	125.0	127.9	136.7	144.0	139.9	112.9	71.8
Samar	259.2	277.5	280.1	259.9	156.3	135.5	165.2	155.4	152.9	225.0
Southern Leyte	52.0	47.3	..	..	..	..	6.9	..	14.3	1.0
Zamboanga Peninsula	1,024.2	661.8	1,093.6	1,090.4	504.7	642.7	1,326.7	740.9	654.2	720.5
Zamboanga del Norte	195.4	72.9	116.0	56.3	35.6	10.0	..	..	127.4	..
Zamboanga del Sur	116.9	14.3	5.0	..	..	..	4.4	17.9	133.1	258.8
Zamboanga Sibugay	173.3	76.3	63.0	60.6	36.4	57.3	48.6	63.3	42.0	78.9
City of Zamboanga	538.7	498.3	909.5	973.5	432.7	575.5	1,273.6	659.7	351.8	382.9
Nothern Mindanao	1,116.3	723.5	279.6	361.8	735.9	427.7	417.6	333.0	320.1	345.9
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	0.5
Lanao del Norte	378.8	282.5	264.0	336.3	301.0	322.3	279.8	244.4	244.7	249.4
Misamis Occidental	1.0	2.6	4.4	9.1	11.4	11.3	10.4	9.8	9.3	9.0
Misamis Oriental	736.6	438.4	11.2	16.4	423.5	94.2	127.4	78.8	66.1	87.1
Davao Region	924.4	938.4	1,311.2	565.6	350.7	249.7	59.9	206.4	53.2	24.8
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	880.5	879.1	1,243.7	534.7	337.5	242.4	51.2	182.4	50.1	1.4
Davao Occidental	.	.	.	.	.	.	.	.	.	16.4
Davao Oriental	41.5	56.1	65.1	29.2	8.6	5.3	3.6	24.0	3.1	7.1
City of Davao	2.5	3.2	2.4	1.8	4.6	2.1	5.2	..	..	..
SOCCSKSARGEN	647.5	680.8	1,393.0	1,173.9	1,067.4	1,562.3	1,255.0	1,269.9	2,241.4	1,432.4
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	5.2	32.1	42.5	27.0	1.4	5.9	4.2	1.7	3.1	20.5
Sultan Kudarat	..	..	..	..	..	..	..	..	0.9	5.6
South Cotabato	642.4	648.8	1,350.5	1,147.0	1,066.0	1,556.4	1,250.8	1,268.2	2,237.5	1,406.3
Caraga	120.5	47.0	79.1	104.1	109.7	103.8	95.3	134.2	96.6	83.9
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	117.7	43.8	27.2	58.2	105.2	100.9	82.6	108.0	93.4	76.1
Surigao del Sur	2.9	3.3	51.9	45.9	4.5	3.0	12.7	26.2	3.2	7.9
ARMM	238.4	236.7	228.4	191.1	195.1	218.5	275.5	292.3	252.3	274.7
Basilan	97.1	90.4	84.8	40.8	38.3	51.3	101.2	113.0	64.7	66.7
Lanao del Sur	..	..	..	..	..	11.6	16.1	16.1	16.7	25.8
Maguindanao	6.3	7.4	7.3	9.5	9.6	3.5	4.6	10.8	10.8	11.7
Sulu	114.3	117.0	119.9	121.6	126.0	129.3	131.0	130.3	131.5	142.6
Tawi-tawi	20.8	22.0	16.3	19.3	21.1	22.9	22.6	22.1	28.7	28.0

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Threadfin bream (Bisugo)										
Philippines	**14,467.8**	**15,383.3**	**14,440.7**	**11,507.1**	**8,476.6**	**8,320.2**	**6,472.5**	**6,506.4**	**4,918.9**	**5,569.7**
NCR	5,205.7	6,185.1	5,118.7	3,387.7	1,402.8	721.6	1,150.8	1,399.4	799.1	896.4
Metro Manila	5,205.7	6,185.1	5,118.7	3,387.7	1,402.8	721.6	1,150.8	1,399.4	799.1	896.4
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	94.7	72.0	93.5	102.1	112.9	122.3	130.1	185.6	183.4	180.7
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	29.9	32.2	53.2	54.1	54.2	56.8	62.5	61.9	67.1	68.6
Pangasinan	64.9	39.8	40.3	47.9	58.7	65.5	67.6	123.7	116.4	112.1
Cagayan Valley	385.5	406.2	368.9	365.6	385.8	358.0	331.3	316.6	257.5	196.1
Cagayan	385.5	406.2	368.9	365.6	385.8	358.0	331.3	316.6	257.5	196.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	60.5	63.6	37.6	43.7	40.4	46.7	48.7	84.7	109.0	144.5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	1.5	1.2	..	..	..	..
Bulacan	60.5	63.6	37.6	43.7	38.9	36.3	44.4	65.2	22.7	0.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	..	..	..	9.3	4.3	19.5	86.3	143.8
CALABARZON	829.9	213.4	281.0	446.0	472.6	921.7	409.6	350.2	317.7	390.9
Batangas	183.6	84.5	49.9	42.9	36.2	83.0	48.5	38.0	37.4	52.2
Cavite	75.3	58.1	79.0	84.9	73.8	137.6	116.5	57.9	74.3	136.2
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	571.1	70.8	152.1	318.3	362.7	701.1	244.6	254.2	206.0	202.4
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	827.2	781.8	873.8	826.8	835.6	955.9	566.1	506.3	275.5	192.7
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	60.3	57.2	58.5	57.6	61.7	61.1	63.7	62.7	46.8	44.2
Oriental Mindoro	30.5	31.4	28.9	29.7	26.7	30.0	17.8	13.6	7.4	11.9
Palawan	736.4	693.2	786.4	739.5	747.3	864.8	484.6	430.1	221.4	136.6
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	566.5	628.1	621.3	598.4	547.5	494.9	492.3	527.8	347.5	170.2
Albay	..	1.0	35.4	36.9	..	0.8	1.6	1.5	1.2	0.9
Camarines Norte	158.1	160.6	137.1	152.8	150.1	160.0	210.5	254.5	169.6	85.1
Camarines Sur	408.4	466.5	448.8	408.7	365.2	313.1	231.2	208.6	124.3	28.4
Catanduanes	..	..	..	..	..	..	..	..	0.5	0.0
Masbate	..	..	..	..	..	..	49.0	63.1	51.9	55.8
Sorsogon	..	..	..	..	32.3	21.0	..	..	..	..
Western Visayas	3,786.3	4,465.3	4,274.9	3,363.0	3,331.2	3,273.5	1,944.8	2,399.2	1,938.4	2,673.2
Aklan	11.5	15.8	20.8	20.4	22.4	23.1	20.3	21.4	33.2	34.2
Antique	86.3	93.0	73.9	71.5	108.8	107.5	99.3	95.4	53.9	33.0
Capiz	1,119.8	1,136.0	1,223.0	849.3	95.3	109.4	108.7	81.0	111.5	100.2
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	1,319.6	1,973.0	1,690.9	1,306.4	1,152.5	1,405.4	949.3	1,437.7	1,142.1	1,768.1
Negros Occidental	1,249.1	1,247.5	1,266.3	1,115.5	1,952.3	1,628.1	767.2	763.8	597.8	737.7
Central Visayas	65.0	56.0	78.5	341.8	318.1	460.7	355.2	63.7	177.5	47.7
Bohol	..	..	..	..	8.7	3.2	14.1	..	3.1	..
Cebu	65.0	56.0	78.5	341.8	309.4	457.5	329.3	63.7	174.5	47.7
Negros Oriental	..	..	..	..	..	..	11.8	..	..	..
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	2,096.3	1,937.6	2,051.3	1,560.8	627.3	405.0	428.9	468.9	342.0	477.7
Biliran	64.1	73.7	74.6	79.0	80.3	80.2	86.6	106.0	91.7	170.0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	1,578.2	1,330.2	1,462.7	919.6	182.7	10.1	..	18.6	6.0	0.1
Northern Samar	115.8	133.1	121.1	119.6	125.2	133.8	140.1	135.3	120.6	114.6
Samar	338.3	400.6	392.9	442.6	239.2	181.0	198.9	209.0	123.7	193.0
Southern Leyte	..	..	..	..	..	..	3.2	..	..	..
Zamboanga Peninsula	484.6	484.8	551.5	395.0	302.9	492.3	547.0	154.4	132.8	148.5
Zamboanga del Norte	38.9	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	11.4	..	..	..	..	..	..	..	10.9	77.2
Zamboanga Sibugay	250.1	330.4	375.7	228.4	209.9	181.3	127.2	114.0	108.0	55.3
City of Zamboanga	184.2	154.4	175.8	166.6	93.0	311.0	419.8	40.4	13.9	16.0
Nothern Mindanao	12.1	30.1	35.4	21.6	26.5	26.8	28.9	..	..	..
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	12.1	30.1	35.4	21.6	26.5	26.8	28.9	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	10.9	12.6	..	..	..	..
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	..	..	..	..	10.9	12.6	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	5.7	19.6	12.4	9.4	9.7	4.2	1.4	..	..	1.9
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	..	..	1.4
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	5.7	19.6	12.4	9.4	9.7	4.2	1.4	..	..	0.5
Caraga	13.4	6.4	9.0	18.9	27.6	..	10.6	17.0	5.9	12.8
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	13.4	5.1	..	..	..	..	0.9	0.4	4.1	1.1
Surigao del Sur	..	1.4	9.0	18.9	27.6	..	9.7	16.6	1.8	11.8
ARMM	34.5	33.5	33.0	26.5	24.8	24.0	27.0	32.6	32.6	36.3
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	8.6	8.6	8.6	..	..	..	..	..	..	2.0
Maguindanao	4.5	4.5	4.2	4.2	3.5	1.9	2.0	4.3	5.6	6.3
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	21.3	20.4	20.2	22.3	21.4	22.1	25.0	28.3	27.0	28.0

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Yellowfin tuna (Tambakol/Bariles)										
Philippines	**85,351.6**	**68,625.3**	**79,508.7**	**83,394.4**	**94,256.4**	**102,400.3**	**67,916.8**	**70,242.0**	**59,913.4**	**63,914.1**
NCR	1,332.5	800.5	736.5	841.4	812.4	728.1	1,082.0	959.0	548.1	671.0
Metro Manila	1,332.5	800.5	736.5	841.4	812.4	728.1	1,082.0	959.0	548.1	671.0
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	99.4	26.3	34.4	35.5	31.6	83.4	368.1	417.6	88.2	212.3
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	16.4	15.3	14.4	13.7	13.0	13.6	12.2	12.6	13.9	19.5
La Union	..	..	..	..	..	..	..	..	37.2	1.4
Pangasinan	82.9	11.0	20.0	21.7	18.6	69.9	356.0	405.0	37.1	191.4
Cagayan Valley	668.7	554.2	479.2	387.4	406.2	399.3	366.4	334.3	256.2	198.0
Cagayan	668.7	554.2	479.2	387.4	406.2	399.3	366.4	334.3	256.2	198.0
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	596.3	844.2	536.5	472.0	480.2	496.3	238.4	526.0	1,102.5	1,203.0
Aurora	4.7	7.2	6.5	6.2	6.0	..	0.7	..	..	27.5
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	591.6	837.0	530.0	465.7	474.2	496.3	237.7	526.0	1,102.5	1,175.5
CALABARZON	3,511.1	3,062.2	4,223.6	4,827.2	3,654.8	2,235.7	2,734.5	2,710.4	2,285.0	1,205.4
Batangas	737.4	742.0	946.3	941.1	737.0	492.4	575.7	637.8	458.6	329.5
Cavite	28.2	119.9	179.4	333.4	590.6	340.5	248.8	184.5	153.7	158.2
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	2,745.6	2,200.3	3,098.0	3,552.8	2,327.2	1,402.8	1,910.0	1,888.1	1,672.7	717.6
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,886.1	2,512.1	2,672.4	2,810.0	2,429.2	2,178.4	1,241.7	1,492.4	1,507.1	1,200.5
Marinduque	3.9	2.1	2.7	..	0.8	0.6	2.8	1.7	0.4	16.0
Occidental Mindoro	704.6	469.2	499.1	512.3	513.3	525.7	553.5	637.8	432.2	351.1
Oriental Mindoro	85.8	79.0	76.1	82.6	72.9	61.3	41.2	43.4	..	38.3
Palawan	1,903.1	1,894.8	2,031.9	2,163.1	1,787.6	1,530.4	596.6	737.2	1,059.0	766.0
Romblon	188.7	67.0	62.6	52.0	54.5	60.5	47.6	72.3	15.5	29.1
Bicol Region	920.6	880.2	920.7	885.6	931.9	691.1	752.1	826.5	832.6	768.2
Albay	696.7	666.5	669.6	623.4	627.2	596.3	595.2	747.0	698.7	662.5
Camarines Norte	153.4	138.1	185.5	193.6	194.6	33.0	86.0	6.0	53.4	42.7
Camarines Sur	18.3	21.4	17.9	16.0	16.0	11.8	15.9	12.5	30.5	22.5
Catanduanes	48.6	50.6	47.0	51.9	52.6	50.1	49.9	50.0	45.9	39.2
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	3.6	3.6	0.9	0.6	41.5	0.0	5.1	11.0	4.1	1.4
Western Visayas	1,697.1	1,698.7	1,138.6	1,585.2	1,423.8	1,353.1	1,190.9	1,122.6	1,091.4	590.0
Aklan	19.2	21.2	15.1	10.8	11.1	13.0	15.2	22.1	26.7	27.5
Antique	616.0	590.9	568.7	560.7	557.1	559.2	613.8	547.2	479.6	470.2
Capiz	356.5	374.0	35.0	9.2	9.0	7.7	3.8	22.4	34.0	31.7
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	592.9	659.8	488.7	973.2	815.5	741.0	534.7	158.3	324.4	0.3
Negros Occidental	112.5	52.8	31.1	31.4	31.1	32.1	23.5	372.7	226.7	60.3
Central Visayas	1,719.7	1,330.3	1,286.1	1,037.1	869.1	727.0	746.4	337.8	408.8	399.1
Bohol	4.5	0.2	1.1	0.1	2.4	..	..	0.3	9.8	4.6
Cebu	298.4	191.0	209.0	212.0	113.0	94.0	121.0	58.4	67.0	50.8
Negros Oriental	1,416.8	1,139.1	1,076.0	825.0	753.7	633.0	625.4	279.2	332.1	343.7
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	4,039.2	4,507.8	4,481.0	3,936.0	3,118.2	2,657.6	1,912.7	794.3	926.5	872.5
Biliran	5.0	0.7	0.1	0.0	0.0	0.0	..	..	..	..
Eastern Samar	2,354.7	2,943.5	2,726.9	2,654.9	2,157.0	1,633.8	1,333.3	550.5	575.9	558.3
Leyte	1,192.5	1,079.7	1,314.4	861.1	557.9	620.7	188.9	9.4	106.0	22.3
Northern Samar	216.7	182.7	167.6	163.0	156.4	156.1	162.1	166.8	180.1	208.8
Samar	18.3	69.3	40.6	3.1	..	..	11.3	10.7	54.1	25.2
Southern Leyte	252.0	232.0	231.5	253.9	246.8	247.0	217.2	56.9	10.4	57.9
Zamboanga Peninsula	11,083.2	5,632.2	5,236.0	5,707.1	5,939.2	6,299.9	6,088.8	4,772.1	5,394.0	5,265.3
Zamboanga del Norte	148.8	217.5	512.7	135.2	157.6	159.8	105.9	169.9	221.0	231.4
Zamboanga del Sur	4,412.8	3,092.0	3,399.1	4,543.3	5,044.6	4,701.4	4,214.8	4,231.1	3,521.6	2,711.2
Zamboanga Sibugay	159.6	5.0	..	..	..	..	13.0	..	17.6	..
City of Zamboanga	6,362.0	2,317.7	1,324.2	1,028.7	737.1	1,438.7	1,755.1	371.1	1,633.8	2,322.7
Nothern Mindanao	1,157.7	1,324.9	1,190.0	1,081.2	1,049.3	1,330.5	1,481.0	1,487.5	1,456.0	1,554.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	6.0
Lanao del Norte	904.4	1,096.7	988.3	895.9	892.2	1,214.1	1,323.4	1,325.4	1,288.9	1,304.4
Misamis Occidental	253.3	228.3	200.0	185.3	157.1	113.8	106.1	107.2	97.1	92.8
Misamis Oriental	..	..	1.7	..	..	2.7	51.5	54.9	70.1	151.3
Davao Region	2,683.7	2,033.3	1,795.2	3,364.8	1,969.6	1,233.3	1,235.0	665.2	478.4	910.6
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	73.2	86.5	136.1	718.4	352.8	248.3	194.7	19.6	..	0.3
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	46.2	132.2	99.6	275.5	142.8	142.7	134.4	201.8	181.8	204.9
City of Davao	2,564.3	1,814.7	1,559.4	2,370.9	1,474.0	842.3	905.9	443.9	296.6	705.3
SOCCSKSARGEN	44,992.2	36,205.4	48,843.2	50,611.8	65,394.4	76,623.6	43,247.0	48,298.7	38,360.6	43,715.1
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	112.3	116.1	156.5	159.1	152.6	41.5	19.0	12.5	7.2	32.1
Sultan Kudarat	782.1	737.0	584.7	564.0	562.7	399.3	382.9	406.8	162.6	211.9
South Cotabato	44,097.8	35,352.3	48,101.9	49,888.7	64,679.1	76,182.8	42,845.1	47,879.5	38,190.7	43,471.1
Caraga	1,283.7	913.3	688.3	749.2	863.9	820.5	852.0	1,115.9	1,611.0	1,639.3
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	791.0	630.2	488.6	535.7	594.5	569.5	468.4	484.6	568.3	398.7
Surigao del Sur	492.7	283.2	199.8	213.6	269.5	251.0	383.7	631.3	1,042.7	1,240.7
ARMM	6,680.5	6,299.7	5,247.0	5,063.0	4,882.8	4,542.4	4,379.9	4,381.8	3,567.4	3,509.4
Basilan	482.1	436.0	400.4	340.2	338.5	319.2	436.3	850.4	320.1	304.1
Lanao del Sur	30.0	29.8	29.7	25.6	48.5	53.4	53.6	53.2	41.5	111.0
Maguindanao	20.9	20.0	20.9	26.3	26.5	18.5	22.3	33.2	37.0	39.1
Sulu	6,102.6	5,769.7	4,748.0	4,609.9	4,397.3	4,067.9	3,750.2	3,325.0	3,042.2	2,926.4
Tawi-tawi	44.8	44.1	48.0	61.1	71.9	83.5	117.5	120.1	126.6	128.9

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.1
COMMERCIAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**82,379.9**	**78,212.9**	**73,257.4**	**76,635.9**	**66,400.1**	**57,230.1**	**62,512.1**	**51,146.2**	**45,594.8**	**43,339.4**
NCR	7,213.0	7,229.6	7,497.5	9,851.4	9,057.6	5,602.9	7,949.6	6,691.3	4,714.1	3,903.2
Metro Manila	7,213.0	7,229.6	7,497.5	9,851.4	9,057.6	5,602.9	7,949.6	6,691.3	4,714.1	3,903.2
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	1,504.2	916.5	803.9	639.2	667.9	662.6	441.1	478.1	498.8	624.9
Ilocos Norte	.	.	.	.	.	.	.	.	.	.
Ilocos Sur	2.3	2.7	3.0	3.0	3.1	3.2	2.8	2.0	4.3	7.2
La Union	1,110.5	708.9	636.0	415.0	359.7	251.0	262.5	237.6	204.8	285.9
Pangasinan	391.5	204.9	165.0	221.2	305.1	408.4	175.8	238.4	289.6	331.8
Cagayan Valley	2,213.9	2,189.7	1,493.8	1,288.6	1,251.7	1,183.5	1,084.8	839.5	679.5	482.1
Cagayan	2,213.9	2,189.7	1,493.8	1,288.6	1,251.7	1,183.5	1,084.8	839.5	679.5	482.1
Isabela	.	.	.	.	.	.	.	.	.	.
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	121.5	97.4	80.8	95.2	86.5	242.8	118.7	321.2	294.1	467.0
Aurora	6.6	4.9	3.7	4.5	4.6	..	1.4	..	..	0.8
Bataan	..	..	..	..	..	146.4	..	13.5	2.1	12.7
Bulacan	95.8	79.7	66.9	82.7	68.0	84.6	106.7	250.8	37.5	66.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	.	.	.	.	.	.	.	.	.	.
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	19.1	12.8	10.3	8.1	13.8	11.8	10.6	57.0	254.5	386.8
CALABARZON	7,022.4	6,538.6	4,640.3	3,502.4	2,317.3	1,891.3	6,315.3	5,614.8	4,782.5	3,528.1
Batangas	504.4	420.4	221.3	146.9	122.9	119.1	150.6	142.8	193.5	154.7
Cavite	496.7	485.9	587.3	676.7	671.6	579.7	524.0	1,453.7	1,866.9	2,222.8
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	6,021.3	5,632.3	3,831.7	2,678.9	1,522.9	1,192.6	5,640.7	4,018.3	2,722.1	1,150.6
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,595.2	1,973.9	2,649.1	2,167.5	2,258.0	2,358.1	1,587.3	1,488.6	967.7	708.1
Marinduque	..	..	..	..	..	..	0.2	4.7	1.4	0.2
Occidental Mindoro	860.2	763.9	950.8	966.9	1,007.3	1,029.0	953.2	942.9	567.7	507.0
Oriental Mindoro	57.7	56.4	56.0	59.5	62.4	65.7	44.5	74.6	55.6	28.0
Palawan	1,629.3	1,093.4	1,583.0	1,055.6	1,106.3	1,182.1	546.0	460.4	326.9	155.2
Romblon	48.0	60.3	59.5	85.4	82.0	81.2	43.4	6.1	16.2	17.8
Bicol Region	1,248.9	1,164.1	1,214.5	1,134.9	1,331.5	1,019.6	1,028.4	1,150.8	940.5	700.7
Albay	190.0	184.8	186.6	205.5	222.6	24.0	39.5	126.7	120.1	123.9
Camarines Norte	31.5	31.2	..	..	..	221.0	312.0	252.6	103.7	113.0
Camarines Sur	624.6	569.2	521.7	440.4	330.3	279.3	287.9	286.4	210.0	210.1
Catanduanes	34.3	38.0	37.6	51.5	53.9	52.9	52.9	52.6	47.2	40.0
Masbate	176.6	145.2	279.6	152.0	184.0	115.6	140.4	180.3	131.8	..
Sorsogon	192.1	195.7	189.1	285.4	540.8	326.9	195.8	252.2	327.7	213.8
Western Visayas	23,181.4	24,336.9	26,397.5	25,787.1	19,559.7	18,252.6	21,834.1	18,551.1	18,832.5	21,166.9
Aklan	127.4	124.7	117.9	121.6	119.7	106.8	82.4	90.0	96.3	33.8
Antique	1,398.1	1,973.9	2,380.0	2,416.6	2,359.8	2,319.9	2,705.9	3,170.0	2,297.0	2,353.2
Capiz	5,375.6	5,257.9	5,809.8	4,309.7	1,114.5	1,706.7	1,390.0	1,458.8	1,717.7	1,883.5
Guimaras	.	.	.	.	.	.	.	.	.	.
Iloilo	6,331.3	7,123.8	6,839.6	7,826.7	6,544.2	6,389.3	7,790.8	5,436.1	5,065.8	6,946.6
Negros Occidental	9,948.9	9,856.7	11,250.2	11,112.6	9,421.7	7,729.9	9,865.1	8,396.1	9,655.8	9,949.8
Central Visayas	7,405.4	7,137.5	8,637.6	9,045.1	10,165.0	9,554.4	8,090.7	2,804.5	2,476.7	1,156.6
Bohol	133.0	76.3	220.3	221.2	303.7	192.7	626.2	317.7	456.2	267.4
Cebu	6,068.9	6,199.1	7,239.2	7,711.8	8,687.7	8,238.5	6,704.0	1,120.9	1,262.3	558.7
Negros Oriental	1,203.6	862.1	1,178.1	1,112.1	1,173.6	1,123.2	760.5	1,365.9	758.1	330.6
Siquijor	.	.	.	.	.	.	.	.	.	.
Eastern Visayas	8,090.1	5,197.3	4,153.3	4,064.9	2,859.8	2,655.1	1,942.1	750.9	999.4	978.9
Biliran	9.4	7.6	0.7	0.2	0.2	0.1	0.0	47.4	95.7	99.5
Eastern Samar	6,189.1	3,677.6	3,165.7	2,907.4	2,383.7	2,129.0	1,118.5	458.3	285.2	275.8
Leyte	1,397.6	1,105.8	670.6	808.1	249.0	321.2	452.9	77.8	87.4	78.8
Northern Samar	..	..	..	..	..	..	..	..	30.1	2.6
Samar	494.0	406.3	316.3	347.9	226.0	203.7	355.3	152.2	501.0	518.3
Southern Leyte	..	..	..	1.4	1.0	1.0	15.4	15.3	..	4.0
Zamboanga Peninsula	12,311.9	12,350.9	6,152.2	6,185.2	6,981.5	3,709.8	3,711.0	4,389.5	2,507.9	2,324.8
Zamboanga del Norte	1,835.3	2,009.4	2,475.0	3,007.9	3,392.2	1,179.1	1,316.7	882.1	800.9	905.1
Zamboanga del Sur	1,202.6	645.5	691.4	769.3	865.8	553.1	1,045.7	778.6	984.6	1,236.5
Zamboanga Sibugay	1,044.2	480.8	539.8	307.6	323.5	345.1	408.6	316.9	130.1	71.6
City of Zamboanga	8,229.8	9,215.2	2,446.0	2,100.5	2,400.0	1,632.5	940.0	2,411.9	592.3	111.7
Nothern Mindanao	2,870.8	2,419.3	1,842.7	1,470.7	1,693.6	1,589.8	1,598.0	1,549.0	1,449.5	1,567.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	9.0	11.9	..	..	1.6	24.1	10.0	28.4	4.3	25.4
Lanao del Norte	1,309.3	1,097.5	1,237.3	1,029.7	1,132.2	1,109.7	1,055.8	1,010.9	971.2	1,015.7
Misamis Occidental	791.3	561.9	503.8	412.3	337.5	328.0	246.9	240.6	226.7	219.6
Misamis Oriental	761.3	748.0	101.6	28.7	222.4	128.0	285.3	269.1	247.4	306.5
Davao Region	1,115.0	795.8	752.9	2,220.7	1,087.0	902.8	504.9	236.3	482.7	202.2
Compostela Valley	.	.	.	.	.	.	.	.	.	.
Davao del Norte	.	.	.	.	.	.	.	.	.	.
Davao del Sur	247.2	216.4	79.7	1,383.5	646.7	448.1	187.4	59.3	14.9	..
Davao Occidental	.	.	.	.	.	.	.	.	.	4.4
Davao Oriental	269.6	106.1	44.3	261.8	110.5	66.8	36.9	39.1	33.0	57.7
City of Davao	598.3	473.3	629.0	575.4	329.8	387.9	280.6	138.0	434.9	140.1
SOCCSKSARGEN	2,132.0	2,278.9	3,708.3	6,273.7	4,303.0	4,837.0	3,400.5	3,260.5	3,062.6	2,683.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	17.9	17.9	23.1	18.9	23.9	6.1	2.3	3.7	6.5	13.8
Sultan Kudarat	102.1	101.3	76.5	82.6	89.9	98.5	67.4	43.2	38.2	58.3
South Cotabato	2,012.0	2,159.6	3,608.7	6,172.3	4,189.3	4,732.4	3,330.8	3,213.6	3,017.9	2,611.6
Caraga	668.7	775.7	453.6	374.5	426.6	487.6	735.4	894.5	852.1	795.7
Agusan del Norte	.	.	.	.	.	.	.	.	.	.
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	.	.	.	.	.	.	.	.	.	.
Surigao del Norte	521.0	555.3	307.2	231.0	221.4	252.1	290.1	290.3	241.6	196.9
Surigao del Sur	147.6	220.4	146.4	143.5	205.2	235.5	445.3	604.2	610.6	598.8
ARMM	2,685.3	2,811.1	2,779.6	2,534.8	2,353.3	2,280.4	2,170.2	2,125.6	2,054.2	2,049.3
Basilan	..	..	..	..	..	..	..	..	..	1.9
Lanao del Sur	238.1	237.1	235.9	58.1	..	..	..	..	..	..
Maguindanao	..	..	45.6	45.7	37.7	17.3	10.7	..	..	..
Sulu	2,355.2	2,490.2	2,411.6	2,336.2	2,231.9	2,176.2	2,053.5	2,017.9	1,954.0	1,942.4
Tawi-tawi	91.9	83.8	86.6	94.8	83.8	86.9	106.0	107.7	100.2	105.0

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carp										
Philippines	**12,242.3**	**13,872.5**	**14,689.1**	**15,371.8**	**15,606.3**	**14,426.8**	**13,070.3**	**13,300.7**	**14,659.1**	**13,683.6**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	103.7	108.0	121.6	133.8	133.1	135.5	128.1	115.3	118.8	113.5
Abra	42.4	42.3	53.4	53.5	50.6	51.7	34.3	19.5	16.4	12.7
Apayao	11.7	13.4	13.9	23.6	23.9	24.1	23.8	24.7	28.2	45.3
Benguet	19.8	20.3	21.1	21.3	22.0	22.8	23.6	25.2	22.6	8.1
Ifugao	14.2	15.8	16.3	17.3	17.6	17.3	26.0	26.7	34.1	25.2
Kalinga	15.6	16.3	17.0	18.1	19.0	19.5	19.7	18.8	17.1	22.3
Mountain Province	..	..	..	..	..	0.1	0.7	0.4	0.4	..
Ilocos Region	60.5	74.0	84.7	35.5	25.5	23.7	119.2	65.7	147.6	168.4
Ilocos Norte	13.1	12.1	23.4	6.3	2.9	3.7	6.5	3.8	12.0	5.5
Ilocos Sur	..	..	..	..	..	..	..	..	2.0	38.8
La Union	4.8	7.3	15.1	6.8	6.3	4.8	65.3	30.5	27.9	81.5
Pangasinan	42.7	54.5	46.2	22.4	16.3	15.3	47.4	31.4	105.7	42.5
Cagayan Valley	1,431.0	1,427.0	1,727.9	1,593.4	1,481.4	1,306.3	1,370.8	1,356.0	1,312.8	1,398.2
Cagayan	671.6	694.1	847.8	718.5	661.3	510.6	496.9	468.2	424.5	464.3
Isabela	582.3	544.8	648.8	637.5	586.9	620.3	646.8	675.6	672.3	691.1
Nueva Vizcaya	129.2	138.6	154.0	154.7	154.8	115.0	162.4	141.8	146.2	156.9
Quirino	48.0	49.6	77.2	82.7	78.4	60.4	64.6	70.3	69.8	86.0
Central Luzon	1,887.3	1,969.0	2,059.3	2,281.3	2,328.9	2,295.4	2,392.7	2,537.7	2,737.3	1,932.1
Aurora	5.2	5.9	5.7	6.6	7.4	7.3	7.2	6.2	4.8	3.6
Bataan	0.3	0.4	0.3	0.4	..	..	0.0	0.9	0.7	0.1
Bulacan	213.1	246.7	79.0	103.3	75.2	149.0	240.4	376.8	313.4	535.9
Nueva Ecija	48.4	27.7	52.8	74.9	50.7	56.8	84.7	121.7	103.6	82.3
Pampanga	1,469.2	1,508.7	1,694.8	1,892.5	1,995.3	1,904.9	1,892.0	1,911.4	1,982.2	1,162.4
Tarlac	151.0	179.7	225.3	203.6	200.4	177.3	166.2	116.5	332.5	147.1
Zambales	..	..	1.4	..	..	..	2.1	4.1	..	0.7
CALABARZON	360.5	353.7	365.5	371.1	405.9	395.8	373.1	264.0	310.5	330.2
Batangas	2.4	..	9.3	1.2	45.3	20.7	3.6	4.7	23.3	19.0
Cavite	0.2	0.1	0.3	1.4	..	4.2	0.1	0.2	0.3	0.0
Laguna	291.1	286.0	287.6	299.7	292.4	263.8	215.9	216.5	183.0	180.4
Quezon	0.0	0.0	0.0	..	0.1	..	..	..	..	..
Rizal	66.8	67.6	68.3	68.9	68.2	107.1	153.4	42.7	104.0	130.8
MIMAROPA	59.4	61.9	62.9	70.3	70.3	71.5	87.1	120.5	99.1	84.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	7.9	8.1	8.3	9.6	10.3	10.6	10.5	11.0	8.7	5.1
Oriental Mindoro	51.5	53.6	54.6	60.1	59.7	60.6	76.6	109.5	90.4	79.1
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	0.2	0.1	0.7	0.2	0.4	0.0	..	..	0.0
Bicol Region	1,265.3	1,348.0	1,446.0	1,416.5	1,359.1	1,400.0	1,087.2	1,113.5	956.5	732.5
Albay	126.2	130.8	159.8	183.5	154.8	297.0	296.1	187.2	168.7	111.6
Camarines Norte	0.7	0.8	..	..	..	..	11.1	6.4	24.0	6.1
Camarines Sur	1,129.5	1,208.4	1,274.6	1,213.8	1,182.8	1,076.8	745.7	883.8	715.6	602.3
Catanduanes	..	..	..	..	..	..	..	..	..	0.5
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	8.9	8.0	11.6	19.2	21.5	26.2	34.2	36.1	48.3	12.0
Western Visayas	113.8	140.3	121.4	125.5	94.9	82.5	122.4	131.1	138.1	127.8
Aklan	1.3	1.5	0.9	1.3	2.2	2.1	1.2	5.7	7.1	3.4
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	15.8	19.5	19.8	25.0	19.6	17.0	10.9	12.3	11.1	5.3
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	96.6	113.0	95.2	92.8	69.7	60.2	108.7	112.9	119.9	117.7
Negros Occidental	0.2	6.3	5.5	6.4	3.5	3.2	1.6	0.2	..	1.5
Central Visayas	1.4	1.3	1.0	1.0	1.2	1.6	1.4	0.9	0.7	1.3
Bohol	1.2	1.1	0.9	0.9	0.9	1.5	1.1	0.8	0.6	0.9
Cebu	0.0	..	..	..	..	..	..	..	..	0.1
Negros Oriental	0.3	0.2	0.1	0.1	0.4	0.2	0.3	0.1	0.1	0.4
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	83.2	93.6	77.3	75.8	71.0	68.9	67.6	70.6	66.5	20.5
Biliran	0.0	0.1	0.1	0.1	0.1	0.1	0.1	..	..	0.0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	5.3	5.9	0.7	0.2	0.2	0.0	0.4	0.1	..	0.1
Northern Samar	72.4	80.8	76.5	75.6	70.7	68.3	66.8	58.5	53.8	12.3
Samar	5.5	6.9	..	..	..	0.5	0.4	12.0	12.7	8.1
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	120.0	110.1	107.3	106.3	102.7	99.8	99.4	99.3	82.8	63.4
Zamboanga del Norte	11.0	15.3	17.8	17.6	19.2	16.8	17.5	15.7	16.6	19.1
Zamboanga del Sur	107.8	84.3	81.8	79.9	75.5	70.2	75.5	80.9	55.1	44.1
Zamboanga Sibugay	1.1	10.5	7.7	8.7	8.0	12.9	6.4	2.7	11.1	0.3
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	410.4	585.6	414.0	515.2	660.7	646.3	698.2	711.0	916.7	1,013.0
Bukidnon	220.5	401.3	173.3	311.1	389.4	361.2	414.4	413.3	635.5	738.8
Camiguin	0.1	0.0	0.1	0.0	0.0	..	..	0.1	..	..
Lanao del Norte	176.7	172.7	219.1	182.2	253.3	255.1	250.4	268.6	252.3	246.0
Misamis Occidental	2.2	2.2	6.8	10.9	11.5	12.7	11.9	10.0	8.2	7.4
Misamis Oriental	10.9	9.3	14.8	10.9	6.5	17.2	21.5	19.0	20.7	20.8
Davao Region	7.8	7.8	6.6	7.6	6.3	8.3	10.4	11.7	18.5	9.0
Compostela Valley	6.6	7.8	4.9	6.7	4.4	6.9	6.1	6.5	4.9	3.1
Davao del Norte	0.1	0.0	0.5	0.4	0.4	0.5	0.1	0.9	2.3	1.5
Davao del Sur	1.1	..	1.2	0.5	1.5	0.9	3.1	1.1	5.3	1.0
Davao Occidental	.	.	.	.	.	.	.	.	.	0.0
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	1.1	3.3	5.9	3.3
SOCCSKSARGEN	3,737.7	3,871.4	3,884.8	3,524.8	3,415.5	3,379.9	3,323.5	2,699.6	2,885.1	2,455.1
Cotabato	2,503.5	2,618.1	2,602.7	2,360.0	2,515.4	2,585.4	2,669.8	2,461.5	2,619.0	2,275.7
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	1,232.8	1,251.7	1,281.0	1,164.8	900.1	794.5	653.6	238.2	266.2	179.4
South Cotabato	1.3	1.7	1.1	..	..	..	0.2	..	..	..
Caraga	348.7	350.6	445.1	485.6	489.3	359.3	265.0	352.4	348.5	396.0
Agusan del Norte	77.0	65.5	78.0	65.0	64.2	61.9	55.1	54.4	55.6	115.4
Agusan del Sur	209.4	164.8	206.1	264.0	295.0	204.3	160.0	227.9	204.5	195.8
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	29.6	67.8	66.3	70.7	42.4	34.2	9.1	37.1	35.6	48.3
Surigao del Sur	32.8	52.4	94.7	86.0	87.7	58.9	40.9	33.1	52.8	36.5
ARMM	2,251.7	3,370.3	3,763.8	4,628.3	4,960.5	4,152.1	2,924.2	3,651.6	4,519.6	4,838.5
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	3.4
Maguindanao	2,251.7	3,370.3	3,763.8	4,628.3	4,960.5	4,152.1	2,924.2	3,651.6	4,519.6	4,835.1
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish (Hito)										
Philippines	**5,136.8**	**5,491.3**	**5,768.4**	**6,201.9**	**6,211.3**	**6,263.4**	**5,735.1**	**5,669.9**	**5,814.5**	**5,167.8**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	26.4	26.7	29.0	39.8	38.1	37.2	37.0	33.0	31.8	38.2
Abra	2.9	2.9	3.5	7.0	4.2	2.4	1.4	2.7	3.1	4.3
Apayao	5.8	5.7	6.7	13.3	13.6	13.9	14.3	7.3	9.6	16.4
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	0.5	0.5	1.1	0.3
Kalinga	17.7	18.1	18.8	19.5	20.4	20.9	20.9	22.4	18.1	17.2
Mountain Province	..	..	..	..	..	..	..	0.1	..	0.1
Ilocos Region	57.6	70.3	100.0	82.1	50.3	42.4	37.6	27.9	26.0	22.5
Ilocos Norte	7.1	7.6	15.7	10.8	3.8	2.3	0.7	1.5	3.2	2.3
Ilocos Sur	3.8	4.1	4.2	4.7	4.8	4.4	5.9	4.9	4.2	3.7
La Union	21.5	15.6	26.1	18.2	15.2	21.2	16.1	8.4	3.2	8.3
Pangasinan	25.2	43.0	54.0	48.4	26.6	14.6	14.9	13.1	15.5	8.2
Cagayan Valley	462.7	480.0	610.1	652.5	577.4	454.0	360.4	361.5	316.3	297.6
Cagayan	284.5	277.3	350.1	383.9	349.6	258.7	199.1	190.8	152.2	150.1
Isabela	86.6	105.7	152.0	160.3	121.7	126.9	104.3	122.9	121.9	106.3
Nueva Vizcaya	89.3	94.7	105.8	106.2	104.6	67.5	53.9	45.0	39.3	37.7
Quirino	2.3	2.4	2.2	2.2	1.5	1.0	3.1	2.8	2.9	3.4
Central Luzon	1,134.3	1,186.8	1,276.7	1,302.4	1,273.8	1,292.5	1,392.8	1,391.2	1,606.9	1,283.8
Aurora	20.3	22.8	22.4	24.2	25.3	25.4	24.1	13.4	10.4	7.5
Bataan	9.1	10.3	11.0	12.1	12.8	12.6	2.0	3.5	4.3	1.0
Bulacan	21.6	70.7	48.4	39.0	87.8	37.8	20.3	28.2	33.5	80.5
Nueva Ecija	225.8	174.3	155.4	132.1	103.4	97.3	168.5	114.0	132.1	157.7
Pampanga	767.6	841.2	975.2	1,046.5	1,000.3	1,040.1	1,065.7	1,118.3	1,162.0	832.5
Tarlac	86.3	60.0	58.1	42.3	39.8	74.6	105.4	103.4	259.0	194.3
Zambales	3.7	7.5	6.3	6.1	4.4	4.8	6.9	10.5	5.6	10.3
CALABARZON	125.5	123.1	123.6	128.6	128.8	121.6	102.2	139.5	130.1	135.9
Batangas	..	..	..	..	..	..	..	..	3.8	4.0
Cavite	0.0	..	..	..	..	..	..	..	0.2	0.7
Laguna	115.6	112.9	113.1	117.8	118.1	113.4	101.5	120.0	110.2	103.6
Quezon	0.3	0.2	0.1	0.1	0.1	0.2	0.2	..	..	..
Rizal	9.6	10.1	10.4	10.6	10.6	7.9	0.6	19.5	16.0	27.5
MIMAROPA	67.2	61.5	63.1	47.8	47.6	39.9	58.9	76.6	61.9	43.1
Marinduque	3.6	3.0	3.2	4.5	5.6	5.6	1.7	2.5	2.9	0.8
Occidental Mindoro	16.0	15.1	14.6	15.1	15.4	15.6	15.1	15.3	9.7	9.8
Oriental Mindoro	..	..	1.5	6.7	5.9	4.0	3.6	14.3	18.7	15.9
Palawan	44.9	39.9	40.7	18.2	18.0	11.5	37.5	43.5	30.2	16.0
Romblon	2.8	3.4	3.0	3.3	2.7	3.2	0.9	1.0	0.5	0.6
Bicol Region	158.6	158.8	175.2	180.8	185.3	74.1	131.7	205.0	162.2	170.4
Albay	107.2	105.2	116.3	126.9	129.7	43.1	44.5	40.7	51.2	32.4
Camarines Norte	9.5	8.6	7.9	5.4	6.1	6.5	4.0	3.7	17.0	1.2
Camarines Sur	16.0	17.2	18.8	14.0	12.2	8.1	55.6	135.3	66.4	101.4
Catanduanes	0.2	0.4	0.5	0.8	1.0	1.2	1.4	0.6	0.3	0.3
Masbate	12.2	15.0	20.9	22.9	25.4	13.6	24.0	21.7	23.1	27.2
Sorsogon	13.5	12.3	10.8	11.0	11.1	1.6	2.2	2.9	4.3	7.9
Western Visayas	196.4	236.9	247.2	108.5	96.6	87.4	140.2	199.4	144.8	28.1
Aklan	2.9	2.7	5.5	2.2	2.9	3.8	3.1	24.7	0.5	3.0
Antique	4.9	4.4	6.7	6.6	5.6	5.0	4.1	3.6	2.2	2.0
Capiz	9.3	13.6	15.6	21.3	21.2	13.8	8.2	7.1	9.5	4.5
Guimaras	4.2	5.0	6.1	3.1	4.6	4.0	5.0	8.3	5.9	3.2
Iloilo	150.9	180.2	179.5	38.7	41.3	38.7	117.2	147.9	82.7	9.4
Negros Occidental	24.1	30.9	33.8	36.6	21.1	22.1	2.8	7.8	44.0	6.0
Central Visayas	2.3	2.5	2.8	3.3	4.6	2.8	3.0	3.9	3.3	5.7
Bohol	1.0	0.6	0.5	0.9	0.8	0.6	1.5	2.0	2.0	1.8
Cebu	1.0	1.5	2.0	1.9	2.8	1.6	0.7	0.6	0.8	3.6
Negros Oriental	0.3	0.3	0.4	0.5	1.1	0.6	0.7	1.2	0.6	0.2
Siquijor	.	.	.	.	.	.	0.0	.	.	.
Eastern Visayas	58.5	55.0	41.4	38.9	33.6	23.2	19.0	18.2	13.1	17.2
Biliran	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.4	1.0	0.7
Eastern Samar	26.1	24.2	13.3	12.7	9.3	1.8	..	..	..	..
Leyte	2.9	1.6	0.4	0.0	0.0	..	0.4	0.2	..	0.1
Northern Samar	29.5	29.2	27.5	26.1	24.2	21.3	18.3	17.0	11.9	16.0
Samar	0.1	..	..	..	..	..	..	0.1	..	0.0
Southern Leyte	..	..	0.2	..	..	..	0.1	0.5	0.3	0.5
Zamboanga Peninsula	172.1	141.0	139.3	165.0	170.6	157.7	163.2	171.8	98.2	137.6
Zamboanga del Norte	6.9	6.9	7.5	7.1	7.0	6.5	6.7	7.8	8.2	6.7
Zamboanga del Sur	165.3	133.2	131.8	157.9	163.6	151.2	156.5	162.7	90.0	130.9
Zamboanga Sibugay	..	0.9	..	..	..	..	..	1.3	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	9.1	27.0	63.8	71.3	97.0	104.7	93.7	106.3	163.8	131.9
Bukidnon	7.0	12.0	24.7	19.6	68.7	80.3	64.2	64.2	119.6	91.7
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	10.7	33.4	45.4	21.9	19.6	22.6	32.0	34.4	32.8
Misamis Occidental	0.4	1.5	3.6	5.7	6.4	4.8	6.0	8.2	7.1	6.5
Misamis Oriental	1.7	2.8	2.1	0.7	..	..	0.9	1.9	2.6	1.0
Davao Region	8.3	8.3	12.4	15.3	8.2	16.5	12.9	8.9	11.4	17.8
Compostela Valley	5.1	6.5	6.5	7.4	7.9	15.9	11.7	8.5	8.3	10.9
Davao del Norte	..	..	..	..	..	0.0	0.0	0.1	0.1	1.0
Davao del Sur	0.2	..	..	..	..	0.1	1.2	0.0	3.0	2.3
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	3.0	1.8	6.0	7.9	0.3	0.6	..	..	..	..
City of Davao	..	..	..	..	..	..	..	0.2	..	3.7
SOCCSKSARGEN	1,424.5	1,406.3	1,376.9	1,578.0	1,758.2	1,801.9	2,017.4	1,755.4	1,782.1	1,549.2
Cotabato	1,281.5	1,282.1	1,304.0	1,496.6	1,682.4	1,741.8	1,962.8	1,685.9	1,746.7	1,522.8
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	140.8	122.1	70.4	78.0	72.2	57.1	52.8	66.5	30.4	21.7
South Cotabato	2.2	2.2	2.5	3.4	3.6	2.9	1.7	3.0	4.9	4.7
Caraga	185.0	206.7	178.8	257.2	222.6	154.5	133.2	192.7	197.8	177.9
Agusan del Norte	28.5	34.4	29.4	40.8	20.9	23.9	24.8	28.5	27.3	21.6
Agusan del Sur	126.9	143.0	133.2	195.4	163.0	104.9	87.2	135.1	126.5	129.6
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	12.1	11.2	5.4	8.7	9.2	3.9	13.6	18.3	36.1	24.0
Surigao del Sur	17.5	18.1	10.9	12.4	29.5	21.7	7.7	10.8	8.0	2.7
ARMM	1,048.4	1,300.5	1,328.2	1,530.5	1,518.5	1,853.1	1,031.9	978.8	1,064.8	1,110.9
Basilan	..	..	..	..	..	..	0.3	0.4	..	..
Lanao del Sur	..	..	..	..	..	332.7	15.9	27.8	25.7	22.5
Maguindanao	1,048.4	1,300.5	1,328.2	1,530.5	1,518.5	1,520.5	1,015.7	950.5	1,039.2	1,088.4
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish (Kanduli)										
Philippines	**1,973.0**	**1,899.9**	**1,874.7**	**1,909.2**	**1,847.1**	**1,953.2**	**1,768.3**	**2,243.9**	**1,831.0**	**2,489.3**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	9.5	8.8	8.7	9.7	10.4	2.4	1.8	3.6	10.2	10.7
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	0.2	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	7.9	7.2	7.0	6.7	6.7	0.5	..	..	..	..
Kalinga	1.6	1.6	1.7	3.0	3.7	1.9	1.8	3.6	10.1	10.7
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	1.7	1.2	1.4	..	..	..	..	..	0.3	1.0
Ilocos Norte	0.1	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	0.3	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	1.6	1.2	1.4	..	..	..	..	..	..	1.0
Cagayan Valley	256.1	254.1	258.1	263.5	195.3	176.6	138.0	140.8	126.0	157.6
Cagayan	194.1	186.6	195.6	188.3	124.6	109.8	77.1	72.4	58.3	54.0
Isabela	40.5	54.3	53.7	55.1	50.9	50.3	48.5	58.3	58.4	94.5
Nueva Vizcaya	2.7	2.9	3.6	4.0	4.1	2.8	4.1	3.6	2.9	3.0
Quirino	18.8	10.4	5.2	16.1	15.8	13.8	8.3	6.6	6.5	6.1
Central Luzon	142.3	49.2	24.3	9.1	34.6	79.5	28.7	130.4	142.6	511.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	0.7	..	..	4.4
Bulacan	15.6	46.2	23.1	9.1	34.6	79.5	10.1	25.1	18.5	34.2
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	126.7	2.9	..	..	..	..	18.0	105.3	124.1	473.2
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	1.2	..	..	..	..	..	..	..
CALABARZON	1,515.1	1,514.8	1,516.0	1,571.0	1,562.9	1,598.2	1,492.1	1,878.2	1,462.8	1,736.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1,285.3	1,275.7	1,271.8	1,321.2	1,315.5	1,296.0	543.0	397.3	338.6	270.7
Quezon	..	..	0.0	0.1	..	..	..	..	..	..
Rizal	229.8	239.1	244.1	249.8	247.5	302.2	949.1	1,480.9	1,124.2	1,465.5
MIMAROPA	1.7	2.2	2.4	3.1	2.9	2.3	5.8	..	2.2	1.3
Marinduque	1.7	2.2	2.4	3.1	2.9	2.3	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	5.8	..	2.2	1.2
Romblon	..	..	..	..	0.0	..	..	..	..	0.1
Bicol Region	7.3	7.6	8.1	6.9	4.7	2.5	2.9	2.7	0.1	0.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	0.6	0.6	0.1	..
Camarines Sur	7.3	7.6	8.1	6.9	4.7	2.5	2.3	2.1	..	..
Catanduanes	..	..	..	..	..	..	..	..	0.0	0.1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	29.4	53.7	43.9	38.0	28.3	32.4	78.1	37.6	45.4	61.3
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	0.9	0.4
Iloilo	28.9	48.5	39.7	32.2	24.9	29.2	62.2	37.4	44.5	50.0
Negros Occidental	0.5	5.2	4.2	5.8	3.4	3.2	16.0	0.2	..	11.0
Central Visayas	..	..	..	..	..	..	..	..	..	0.1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	0.1
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	5.5	7.2	7.3	7.6	5.4	4.6	3.7	3.5	3.2	4.9
Biliran	..	..	..	..	..	..	..	..	..	0.0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	0.1	..	..	0.1	..	..	..	..	..	..
Northern Samar	5.0	7.2	7.3	7.5	5.4	4.6	3.7	3.3	2.8	4.1
Samar	0.4	..	..	..	..	..	..	..	..	0.6
Southern Leyte	..	..	..	..	..	..	..	0.3	0.3	0.2
Zamboanga Peninsula	1.5	..	..	..	..	..	..	0.7	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	1.5	..	..	..	..	..	..	0.7	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	..	..	1.8	..	2.2	54.6	..	29.4	27.6	1.3
Bukidnon	..	..	1.8	..	2.2	54.6	..	29.4	27.5	1.2
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	0.1	0.1
Davao Region	..	..	1.9	..	0.2	..	..	0.3	0.1	0.3
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.2	0.1	..
Davao del Sur	..	..	..	..	..	..	..	0.1	0.0	0.3
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	1.9	..	0.2	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	3.0	1.2	1.0	0.3	..	..	17.1	16.6	10.5	2.9
Agusan del Norte	2.0	1.2	1.0	0.3	..	..	17.1	16.6	10.5	2.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	1.0	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Climbing perch (Martiniko)										
Philippines	**2,022.3**	**2,566.2**	**2,308.3**	**2,307.3**	**2,392.8**	**2,168.9**	**2,068.5**	**2,072.4**	**2,001.5**	**1,805.3**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	0.6	1.0	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	0.6	1.0	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	0.2	0.1	0.1	0.2	0.2	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	0.2	0.1	0.1	0.2	0.2	..	..	..	..
Cagayan Valley	16.2	14.3	7.3	5.5	3.8	3.1	3.5	3.2	2.8	2.4
Cagayan	16.2	14.3	7.3	5.5	3.8	3.1	3.5	3.2	2.8	2.4
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	38.5	22.3	64.4	50.9	53.5	16.7	3.1	0.7	51.3	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	21.5	16.0	30.8	33.5	34.4	..	1.2	0.2	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	17.0	3.0	33.6	17.4	19.1	16.7	1.9	0.4	51.3	..
Zambales	..	3.3	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	21.1	2.1	1.6	1.7
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	1.2	2.1	1.6	1.4
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	19.9	..	..	0.4
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	14.1	16.2	15.0	11.6	8.8	4.0	14.5	93.4	58.8	25.3
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	13.5	15.5	14.3	11.0	8.0	3.4	14.4	93.3	58.7	23.5
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	0.6	0.7	0.8	0.6	0.8	0.5	0.1	0.1	0.1	1.7
Western Visayas	94.0	137.1	72.9	24.3	24.8	18.5	66.8	6.8	11.5	19.1
Aklan	..	..	..	..	..	..	..	..	..	0.8
Antique	0.3	0.7	1.0	1.1	1.1	1.2	1.8	2.4	1.3	0.8
Capiz	..	..	..	..	..	..	..	..	..	1.0
Guimaras	1.4	1.8	2.4	0.4	..	..	..	..	0.3	0.4
Iloilo	92.2	134.5	69.5	22.8	23.8	17.4	65.0	4.4	9.9	12.7
Negros Occidental	..	..	..	..	..	..	..	..	..	3.3
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	..	0.1	0.1	4.7
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	0.1	0.1	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	4.7
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	0.4	..	..	0.1	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	0.4	..	..	0.1	..	..	..	..	..	..
Davao Region	0.0	0.1	0.3	0.1	0.4	0.4	0.2	..	..	0.1
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	0.1
Davao del Sur	0.0	0.1	0.3	0.1	0.4	0.4	0.2	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1,101.4	1,244.9	1,064.6	1,013.2	1,038.1	1,111.6	1,032.0	964.9	844.4	683.5
Cotabato	747.0	978.0	922.6	932.6	985.1	1,051.3	975.8	912.1	817.8	683.5
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	353.7	265.8	140.8	80.6	53.0	60.3	56.2	52.8	26.6	..
South Cotabato	0.7	1.1	1.2	..	..	..	..	..	..	..
Caraga	1.4	0.7	0.6	0.2	5.4	6.6	6.3	3.8	3.7	3.6
Agusan del Norte	1.4	0.7	0.6	0.2	5.4	6.6	6.3	3.8	3.7	3.6
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	756.3	1,130.5	1,083.1	1,201.4	1,257.9	1,007.8	921.0	996.9	1,026.3	1,064.9
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	756.3	1,130.5	1,083.1	1,201.4	1,257.9	1,007.8	921.0	996.9	1,026.3	1,064.9
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Eel (Igat)										
Philippines	**719.2**	**867.0**	**1,149.2**	**2,488.9**	**2,376.5**	**1,875.9**	**1,615.1**	**1,718.2**	**1,604.2**	**1,564.5**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	46.6	50.6	54.0	57.1	57.4	57.7	44.7	25.6	24.4	37.7
Abra	12.4	12.4	13.7	14.0	10.5	9.5	9.3	5.4	5.0	5.7
Apayao	24.3	28.1	29.5	31.2	32.7	33.5	20.2	10.5	7.9	21.4
Benguet	0.4	0.3	0.3	0.5	0.7	0.7	0.7	0.4	1.2	1.0
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	9.5	9.8	10.4	11.4	13.5	14.0	14.1	9.1	10.2	9.3
Mountain Province	..	..	0.2	..	..	0.1	0.4	0.2	0.0	0.3
Ilocos Region	10.4	10.7	16.3	15.8	10.9	7.3	11.7	7.4	9.1	26.5
Ilocos Norte	0.7	1.4	2.6	0.5	0.5	1.5	1.7	1.3	1.9	2.9
Ilocos Sur	1.6	1.5	1.6	1.8	1.9	1.9	1.6	1.8	4.2	17.8
La Union	5.2	6.4	9.3	6.9	5.9	1.9	6.2	2.5	1.9	4.6
Pangasinan	2.8	1.5	2.8	6.6	2.7	2.1	2.3	1.8	1.2	1.2
Cagayan Valley	163.1	186.5	444.2	1,727.5	1,573.5	1,176.2	923.3	990.6	843.3	750.6
Cagayan	139.3	153.2	199.7	611.4	531.8	257.0	212.9	204.8	144.3	150.3
Isabela	12.2	20.5	228.3	799.6	677.9	575.1	423.3	550.4	523.9	461.5
Nueva Vizcaya	4.6	4.7	5.3	245.9	275.6	275.2	163.5	93.0	60.9	50.7
Quirino	7.1	8.0	10.9	70.7	88.2	68.9	123.6	142.4	114.2	88.2
Central Luzon	22.7	27.2	24.2	27.9	28.7	28.0	31.0	33.0	67.9	178.9
Aurora	20.8	24.5	23.3	24.5	24.4	24.5	23.3	14.1	10.7	7.3
Bataan	..	..	..	..	..	..	0.6	3.4	3.4	0.5
Bulacan	1.1	1.7	..	1.1	1.6	1.6	6.2	15.1	22.3	..
Nueva Ecija	..	0.1	..	..	..	..	0.5	..	10.7	42.6
Pampanga	..	..	..	..	..	..	..	..	16.5	127.7
Tarlac	..	..	..	..	..	..	..	..	4.3	..
Zambales	0.7	0.9	0.9	2.4	2.7	1.8	0.3	0.4	..	0.7
CALABARZON	2.9	0.3	0.2	0.3	0.1	0.2	12.8	18.2	31.5	35.0
Batangas	2.6	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	1.2	1.8
Laguna	..	..	..	..	..	..	12.2	18.2	30.3	33.2
Quezon	0.3	0.3	0.2	0.3	0.1	0.2	0.6	..	0.1	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	5.0	5.7	6.5	8.4	8.6	8.2	11.6	10.6	14.0	10.6
Marinduque	..	..	..	..	..	..	1.6	1.1	0.7	0.9
Occidental Mindoro	4.1	4.8	5.2	5.6	6.3	6.5	6.1	5.9	4.3	6.4
Oriental Mindoro	..	..	..	..	..	..	2.5	2.4	7.0	2.6
Palawan	..	..	..	..	..	..	0.2	0.1	0.6	0.1
Romblon	0.9	0.9	1.2	2.7	2.4	1.7	1.1	1.1	1.4	0.5
Bicol Region	64.0	76.5	101.3	75.3	78.8	34.0	22.8	68.6	47.0	51.8
Albay	18.7	26.6	35.6	28.4	26.7	8.8	10.9	42.1	20.4	16.0
Camarines Norte	18.7	19.5	30.9	17.2	21.0	17.9	7.5	1.7	4.6	0.0
Camarines Sur	8.3	8.4	8.9	5.8	3.9	2.5	1.3	22.9	19.6	31.2
Catanduanes	1.4	1.7	2.2	2.4	2.5	2.7	2.9	1.2	1.4	1.4
Masbate	7.0	9.6	12.3	9.2	11.5	1.6	..	..	..	2.1
Sorsogon	10.0	10.7	11.4	12.3	13.1	0.5	0.3	0.6	1.0	0.9
Western Visayas	143.1	179.4	134.6	100.3	149.4	101.2	129.4	200.4	261.7	120.5
Aklan	4.0	3.7	1.3	2.3	1.1	1.6	0.6	0.7	25.2	30.3
Antique	3.2	3.0	2.7	3.7	4.6	5.0	3.2	5.9	7.8	5.0
Capiz	..	..	..	..	..	..	..	..	..	0.3
Guimaras	1.8	1.5	1.7	1.2	1.3	1.3	1.2	2.5	2.1	1.1
Iloilo	87.9	138.7	91.5	53.4	98.4	48.3	104.6	190.9	225.8	83.2
Negros Occidental	46.2	32.6	37.5	39.6	44.0	45.1	19.7	0.4	0.8	0.7
Central Visayas	1.1	1.1	1.4	1.8	1.7	1.3	1.0	1.8	3.2	0.6
Bohol	0.7	0.6	0.7	1.1	0.9	0.8	0.1	0.2	0.0	0.1
Cebu	..	..	..	..	..	..	0.2	..	..	..
Negros Oriental	0.4	0.5	0.7	0.8	0.8	0.5	0.7	1.5	3.2	0.5
Siquijor	.	.	.	.	.	.	0.0	.	.	.
Eastern Visayas	31.8	28.9	18.7	11.8	13.1	8.2	7.6	17.4	12.4	22.8
Biliran	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.8	1.4	0.7
Eastern Samar	26.2	18.3	8.4	2.0	1.9	0.3	..	..	..	0.0
Leyte	0.2	0.4	0.2	0.0	0.0	..	0.0	0.2	0.1	0.7
Northern Samar	5.3	6.3	6.3	6.4	6.7	6.5	7.0	7.0	9.5	19.0
Samar	..	3.7	3.6	3.2	4.3	1.2	0.2	9.0	1.4	0.6
Southern Leyte	..	..	0.1	..	..	..	..	0.4	0.1	2.0
Zamboanga Peninsula	92.9	73.8	81.5	87.1	82.1	78.7	73.9	77.0	82.1	103.0
Zamboanga del Norte	..	..	..	..	..	..	..	..	0.3	..
Zamboanga del Sur	92.5	73.6	81.5	86.9	82.1	78.7	73.5	76.8	81.8	98.5
Zamboanga Sibugay	0.4	0.1	..	0.3	..	..	0.4	0.2	..	4.5
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	46.8	72.7	81.2	100.1	76.1	62.3	59.1	64.9	58.2	62.7
Bukidnon	16.1	32.6	22.2	38.0	33.9	27.3	29.6	29.5	17.2	15.2
Camiguin	0.2	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Lanao del Norte	18.5	22.6	36.8	38.5	19.5	14.5	12.2	18.6	20.3	20.7
Misamis Occidental	1.7	9.1	12.7	17.2	12.5	12.1	11.7	10.8	10.7	10.4
Misamis Oriental	10.3	8.1	9.2	6.3	10.2	8.3	5.5	6.0	10.0	16.3
Davao Region	6.1	4.9	12.5	16.7	4.4	9.0	9.4	13.0	25.1	13.1
Compostela Valley	..	..	..	..	..	0.0	..	0.0	0.1	..
Davao del Norte	0.0	..	0.0	0.0	0.0	0.0	..	0.2	0.3	0.4
Davao del Sur	0.0	..	..	..	..	..	0.4	0.1	3.9	1.5
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	5.2	4.2	11.7	15.9	3.5	8.3	4.1	9.0	16.3	5.3
City of Davao	0.9	0.7	0.8	0.8	0.9	0.7	4.9	3.6	4.5	5.8
SOCCSKSARGEN	53.7	115.0	123.8	214.0	256.4	267.4	220.9	145.5	70.0	59.0
Cotabato	53.7	115.0	123.8	214.0	256.4	267.4	220.9	145.5	66.6	55.1
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	3.4	3.7
South Cotabato	..	..	..	..	..	..	..	..	..	0.3
Caraga	28.1	32.9	47.9	44.0	34.6	35.3	55.6	43.9	53.8	91.1
Agusan del Norte	2.8	8.6	4.8	6.7	5.9	4.8	5.7	8.3	7.0	7.7
Agusan del Sur	2.7	5.0	11.9	8.7	6.4	0.7	2.9	1.2	1.0	4.4
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	3.2	2.1	2.1	3.9	2.7	1.4	0.6	0.7	6.8	5.2
Surigao del Sur	19.5	17.2	29.1	24.7	19.7	28.4	46.4	33.6	39.0	73.8
ARMM	0.9	0.9	0.9	0.9	0.9	1.0	0.5	0.6	0.6	0.6
Basilan	0.9	0.9	0.9	0.9	0.9	1.0	0.5	0.6	0.6	0.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Freshwater goby (Biya)										
Philippines	**5,619.4**	**5,611.5**	**5,412.2**	**5,334.2**	**5,676.4**	**3,988.0**	**3,278.8**	**3,030.3**	**2,892.2**	**3,325.9**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila										
CAR	101.1	122.4	140.2	143.7	143.4	152.2	141.2	133.6	120.1	121.3
Abra	31.6	35.5	47.4	46.8	43.6	54.2	57.3	58.1	63.9	66.8
Apayao	10.9	11.1	11.6	14.4	15.0	15.0	15.8	2.2	3.4	8.0
Benguet	4.9	4.6	4.4	4.4	4.5	4.5	4.6	7.9	7.8	3.6
Ifugao	28.2	46.3	52.0	52.6	52.9	50.0	34.3	35.4	26.4	22.0
Kalinga	18.6	19.5	20.3	21.4	23.2	23.9	24.7	25.9	16.6	18.8
Mountain Province	6.9	5.4	4.6	4.1	4.1	4.5	4.5	4.1	1.9	2.2
Ilocos Region	164.0	168.8	209.2	171.5	264.3	197.0	172.8	219.5	185.8	311.6
Ilocos Norte	40.5	59.0	65.6	45.4	43.0	29.5	33.4	33.4	23.2	15.0
Ilocos Sur	57.5	62.1	59.9	70.2	67.3	50.1	47.3	95.5	121.4	192.9
La Union	31.3	23.4	64.4	32.5	19.0	32.0	5.1	5.2	4.6	11.3
Pangasinan	34.8	24.3	19.4	23.5	135.1	85.4	86.9	85.3	36.6	92.3
Cagayan Valley	380.5	364.5	295.2	311.9	291.7	213.3	170.3	189.0	167.7	161.5
Cagayan	244.7	237.8	165.5	197.8	179.6	131.8	96.4	127.0	114.7	111.1
Isabela	58.5	48.0	49.2	36.2	19.0	19.2	18.5	16.2	15.4	15.9
Nueva Vizcaya	63.0	64.6	63.6	61.8	68.7	51.2	47.2	38.3	29.9	26.7
Quirino	14.3	14.0	16.9	16.1	24.4	11.2	8.1	7.6	7.6	7.8
Central Luzon	720.2	699.0	606.1	659.0	628.5	622.7	625.0	691.0	752.2	1,030.8
Aurora	15.1	16.6	17.2	17.7	18.3	18.1	17.2	12.9	11.2	9.0
Bataan	15.1	14.9	16.1	15.7	15.0	9.7	8.3	5.2	4.5	9.9
Bulacan	32.0	9.8	3.2	19.8	13.0	10.1	4.0	7.4	28.8	25.9
Nueva Ecija	130.4	79.5	64.0	34.7	19.5	1.1	27.4	23.6	27.3	23.3
Pampanga	520.9	564.6	495.8	560.8	551.9	574.1	564.4	635.8	675.4	917.9
Tarlac	1.8	7.8	0.5	0.0	0.6	0.7	2.1	0.4	..	39.9
Zambales	5.1	5.9	9.4	10.3	10.2	8.9	1.6	5.8	5.0	4.9
CALABARZON	318.6	327.7	308.3	273.3	233.9	313.3	308.8	278.9	207.1	244.5
Batangas	194.3	201.6	180.8	139.6	106.1	174.4	164.9	93.6	81.2	71.6
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	106.2	107.3	109.2	115.3	110.5	123.5	116.0	87.6	72.8	55.9
Quezon	..	..	..	..	0.0	0.0	..	..	0.1	0.5
Rizal	18.1	18.8	18.3	18.4	17.3	15.3	27.9	97.7	53.1	116.5
MIMAROPA	28.4	26.5	25.9	23.8	21.0	22.5	25.6	34.8	52.0	62.7
Marinduque	2.2	1.8	2.1	2.1	1.9	1.8	1.5	1.0	0.9	0.8
Occidental Mindoro	..	..	..	..	..	..	0.9	1.4	1.2	4.0
Oriental Mindoro	24.7	24.0	21.5	20.6	16.9	18.2	22.0	31.6	49.3	57.6
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	1.5	0.8	2.3	1.1	2.2	2.5	1.1	0.9	0.5	0.2
Bicol Region	36.2	30.7	27.7	19.6	13.9	8.5	26.2	13.7	0.3	2.6
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.1
Camarines Sur	36.0	30.6	27.6	19.6	13.9	8.5	26.0	12.9	..	..
Catanduanes	0.2	0.1	0.2	..	..	..	0.2	0.7	0.3	0.4
Masbate	..	..	..	..	..	..	..	..	..	2.1
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	182.8	231.9	186.2	151.9	141.6	136.2	217.4	170.8	195.3	160.3
Aklan	63.9	73.2	69.2	59.6	61.3	51.5	66.1	44.7	83.0	70.1
Antique	28.7	30.2	35.7	34.7	37.0	33.9	26.1	23.2	13.3	11.6
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	83.3	104.5	59.7	38.2	27.1	34.7	100.6	100.9	90.2	77.8
Negros Occidental	6.9	24.0	21.7	19.4	16.2	16.3	24.5	1.9	8.9	0.7
Central Visayas	0.3	0.4	0.3	..	0.0	0.1	16.2	8.0	4.4	0.6
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	0.3	0.4	0.3	..	0.0	0.1	16.2	8.0	4.4	0.6
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	65.2	49.2	34.9	30.8	0.5	0.0	0.0	0.1	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	65.1	49.2	34.9	30.8	0.5	0.0	..	..	..	..
Leyte	0.1	..	..	..	..	..	0.0	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	0.1	..	..
Zamboanga Peninsula	18.8	28.4	20.4	20.9	27.6	34.5	26.6	35.1	9.9	11.1
Zamboanga del Norte	6.1	8.0	9.8	9.6	8.8	8.5	9.6	9.7	9.9	11.1
Zamboanga del Sur	9.7	17.2	5.7	7.6	15.1	21.4	13.9	23.9	..	..
Zamboanga Sibugay	3.0	3.2	5.0	3.8	3.7	4.6	3.2	1.5	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	68.3	70.9	54.2	51.6	43.2	51.9	23.5	34.8	14.2	25.0
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	52.3	43.2	18.8	21.1	11.5	14.6	7.5	18.3	2.6	5.5
Misamis Occidental	4.3	15.6	24.7	19.8	15.0	10.9	12.0	13.0	11.3	10.5
Misamis Oriental	11.7	12.1	10.8	10.6	16.7	26.5	4.0	3.4	0.3	9.0
Davao Region	..	..	..	0.0	..	..	0.3	0.1	1.3	18.5
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	0.0	..	..	0.3	0.1	0.2	0.8
Davao del Sur	..	..	..	..	..	..	..	..	..	0.1
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	1.0	17.6
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	19.2	17.4	12.6	10.9	12.3	21.2	16.9	10.5	26.0	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	19.0	17.4	12.6	10.9	12.3	21.2	16.9	10.5	26.0	..
South Cotabato	0.3	..	..	..	..	..	..	..	..	..
Caraga	927.5	586.8	580.7	561.6	630.2	654.4	840.8	551.2	479.0	469.8
Agusan del Norte	344.9	323.1	334.1	315.3	342.7	358.2	328.4	291.1	262.6	248.6
Agusan del Sur	..	1.5	1.3	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	581.9	261.7	245.4	246.3	287.5	296.2	512.4	260.1	216.3	221.2
Surigao del Sur	0.7	0.6	..	..	..	..	..	..	..	..
ARMM	2,588.2	2,886.9	2,910.2	2,903.7	3,224.4	1,560.2	667.3	659.3	677.1	705.6
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	2,425.7	2,400.2	2,388.3	2,165.0	2,389.3	807.1	..	..	..	34.6
Maguindanao	162.4	486.7	521.9	738.8	835.1	753.1	667.3	659.3	677.1	671.0
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Gourami										
Philippines	**6,153.2**	**7,271.6**	**6,608.4**	**6,839.6**	**6,431.5**	**5,665.7**	**4,286.3**	**4,175.7**	**4,033.1**	**3,444.4**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	3.6	3.1	2.8	2.6	1.9	1.4	0.8	4.1	2.7	3.2
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	0.2	0.5	0.2	0.8	4.1	2.7	3.2
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	3.6	3.1	2.8	2.5	1.4	1.2	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	16.1	9.8	13.6	13.8	12.8	13.8	18.5	13.1	6.0	13.3
Ilocos Norte	0.6	0.5	0.1	0.1	0.1	0.1	0.8	0.9	1.4	0.9
Ilocos Sur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	..	..	..
La Union	8.9	5.2	6.7	6.1	5.7	8.9	12.1	7.9	1.7	2.0
Pangasinan	6.5	4.1	6.8	7.5	7.0	4.8	5.6	4.2	2.8	10.5
Cagayan Valley	137.7	145.6	120.2	101.8	45.3	30.3	22.1	18.2	16.4	15.1
Cagayan	112.6	118.8	81.2	63.8	11.8	10.2	7.5	7.2	6.7	6.7
Isabela	14.9	15.6	28.1	26.9	22.5	12.7	8.4	7.5	7.4	6.7
Nueva Vizcaya	10.2	10.2	10.9	11.1	11.0	7.4	6.3	3.5	2.4	1.6
Quirino	..	0.9	..	..	..	..	..	..	..	..
Central Luzon	797.7	907.1	1,028.9	1,213.8	1,088.9	1,162.8	1,060.7	911.2	1,114.9	919.5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	2.5	2.6	2.7	2.7	2.6	..	0.3	0.2	1.3	0.4
Bulacan	11.7	7.4	2.0	8.4	0.2	..	6.6	1.0	16.7	..
Nueva Ecija	87.2	146.9	117.8	164.1	78.1	98.2	122.4	97.0	125.8	98.5
Pampanga	538.2	576.6	682.8	841.7	825.6	880.1	761.1	674.4	705.2	615.7
Tarlac	154.5	169.2	212.8	187.3	174.5	178.0	163.0	136.0	265.8	203.7
Zambales	3.6	4.5	10.8	9.6	7.9	6.6	7.3	2.8	0.2	1.2
CALABARZON	617.1	606.1	607.9	644.3	658.3	539.0	263.1	251.9	287.2	248.9
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	614.0	602.7	604.4	640.7	654.8	535.6	262.6	251.9	287.2	246.2
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	3.2	3.4	3.5	3.7	3.5	3.4	0.5	..	..	2.8
MIMAROPA	..	..	15.6	40.1	38.5	26.7	3.1	6.5	6.8	8.3
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	1.6	1.6	1.2	1.0
Oriental Mindoro	..	..	15.6	40.1	38.5	26.7	1.5	4.9	5.6	7.4
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	39.3	52.2	84.5	100.2	108.9	93.0	49.6	55.0	45.9	21.5
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	0.2	..
Camarines Sur	15.6	15.2	13.7	10.7	6.5	3.2	7.5	2.7	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	23.7	37.0	70.7	89.4	102.4	89.8	42.1	52.2	45.8	21.5
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	6.6	20.3	30.4	14.6	15.1	9.2	3.8	2.8	7.3	5.3
Aklan	..	..	..	..	..	..	..	0.3	..	..
Antique	0.1	1.2	1.1	1.0	0.4	0.5	0.3	0.2	0.0	..
Capiz	1.6	0.7	1.2	2.8	3.5	3.7	0.9	1.1	0.5	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	4.8	12.8	24.0	5.8	9.7	3.3	2.3	1.2	6.8	3.6
Negros Occidental	0.1	5.7	4.2	5.1	1.6	1.6	0.3	..	..	1.7
Central Visayas	..	..	..	..	..	..	0.3	..	..	0.0
Bohol	..	..	..	..	..	..	0.3	..	..	0.0
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas)	29.4	22.4	17.7	17.2	14.3	12.5	9.9	7.8	5.9	4.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	12.8	4.6	0.2	0.0	..	..	..	..	..	0.0
Leyte	..	..	..	..	..	..	0.0	..	..	0.1
Northern Samar	16.6	17.7	17.5	17.2	14.3	12.5	9.8	7.8	5.9	4.0
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	38.7	96.0
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	38.7	96.0
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	5.4	7.7	5.3	7.6	4.4	7.2	3.4	4.2	3.3	3.1
Bukidnon	..	..	..	..	..	4.6	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	1.0	0.7	2.5	3.9	4.4	2.6	3.4	4.2	3.3	3.1
Misamis Oriental	4.4	7.0	2.8	3.6	..	..	..	..	..	..
Davao Region	0.1	0.2	0.1	0.3	0.3	0.1	1.0	0.3	0.2	0.5
Compostela Valley	..	..	..	..	0.0	..	1.0	0.3	0.2	..
Davao del Norte	..	..	..	..	..	..	0.0	..	0.0	0.5
Davao del Sur	0.1	0.2	0.1	0.3	0.3	0.1	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	3,173.1	3,193.8	2,943.2	2,399.7	2,108.2	1,968.1	1,802.1	1,836.7	1,416.5	1,013.5
Cotabato	1,407.8	1,376.9	1,171.2	1,006.2	1,033.5	1,028.3	926.1	993.0	1,024.6	756.9
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	1,763.8	1,815.3	1,770.5	1,392.1	1,073.2	938.4	874.7	841.8	389.5	254.3
South Cotabato	1.5	1.7	1.4	1.4	1.5	1.3	1.4	1.9	2.5	2.3
Caraga	81.1	72.4	55.8	96.0	123.0	124.4	75.0	98.9	91.4	80.7
Agusan del Norte	0.9	2.2	2.1	3.6	13.8	25.4	20.0	19.4	16.9	14.5
Agusan del Sur	76.5	68.6	53.7	92.4	109.2	99.0	55.0	79.6	74.5	66.1
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.1
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	3.6	1.6	..	..	..	..	..	..	..	..
ARMM	1,246.0	2,230.9	1,682.4	2,187.7	2,211.8	1,677.5	972.9	965.1	989.9	1,011.5
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	1,246.0	2,230.9	1,682.4	2,187.7	2,211.8	1,677.5	972.9	965.1	989.9	1,011.5
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish (Bangus)										
Philippines	**8,487.0**	**5,718.2**	**4,601.1**	**4,717.0**	**11,746.5**	**8,312.7**	**4,566.9**	**5,259.7**	**4,988.5**	**5,037.7**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila										
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	3,512.7	1,042.1	13.5	17.9	20.5	20.2	14.0	8.8	25.8	28.3
Ilocos Norte	0.5	1.5	..	..	..	..	..	..	..	0.1
Ilocos Sur	12.0	11.4	11.1	9.1	11.3	11.7	12.9	7.8	4.8	0.3
La Union	..	..	..	..	..	..	..	..	0.3	13.7
Pangasinan	3,500.2	1,029.2	2.4	8.8	9.2	8.5	1.1	1.0	20.8	14.1
Cagayan Valley	38.8	41.1	19.9	22.8	21.3	21.3	16.1	19.5	14.5	13.5
Cagayan	38.8	41.1	19.9	22.8	21.3	21.3	16.1	19.5	14.5	13.5
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	11.1	19.3	7.3	3.9	1.0	..	135.2	167.5	185.7	383.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	4.0	..	1.5	0.3
Bulacan	11.1	19.3	7.3	..	1.0	..	..	..	..	2.7
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	131.2	166.7	183.2	379.7
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	3.9	..	..	..	0.8	1.0	0.5
CALABARZON	2,542.1	2,335.2	2,260.0	2,148.4	9,275.1	5,119.0	926.6	1,349.8	1,164.3	894.3
Batangas	688.1	468.8	553.8	361.3	477.0	1,062.3	404.8	406.1	638.8	514.9
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	496.5	452.5	434.6	456.9	1,440.6	483.7	248.9	154.8	66.2	64.5
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	1,357.4	1,414.0	1,271.6	1,330.2	7,357.6	3,573.0	272.9	789.0	459.2	314.9
MIMAROPA	4.2	4.7	4.6	1.3	..	..	0.1	..	1.9	..
Marinduque	4.2	4.7	4.6	1.3	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	1.9	..
Palawan	..	..	..	..	..	..	0.1	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	25.0	27.2	29.4	21.0	16.4	11.1	0.3	1.9	..	4.2
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	0.3	1.9	..	0.6
Camarines Sur	25.0	27.2	29.4	21.0	16.4	11.1	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	1.6
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	2.1
Western Visayas	95.3	71.1	83.9	150.9	105.9	93.8	56.3	19.3	36.6	155.7
Aklan	..	..	..	1.2	2.1	0.4	0.8	0.6	..	8.5
Antique	3.7	2.0	2.2	5.3	5.7	6.3	7.6	3.4	3.1	2.4
Capiz	8.4	12.6	12.7	10.8	6.6	4.9	2.7	2.3	0.7	4.7
Guimaras	..	..	..	..	..	..	..	..	4.0	10.0
Iloilo	5.0	2.3	0.8	62.3	2.5	4.7	24.0	7.2	28.8	95.2
Negros Occidental	78.4	54.2	68.3	71.3	89.1	77.5	21.2	5.7	..	35.1
Central Visayas	..	..	..	..	..	..	..	..	0.0	0.2
Bohol	..	..	..	..	..	..	..	..	0.0	0.0
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	0.1
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	103.5	100.9	101.0	101.1	99.8	97.5	90.5	85.9	67.1	15.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	0.0	0.0	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	103.5	100.9	101.0	101.1	99.8	97.5	90.5	85.9	67.0	15.5
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	26.6	26.1	..	4.8
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	4.1
Zamboanga Sibugay	..	..	..	..	..	..	26.6	26.1	..	0.7
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	17.2	12.8	20.5	15.0	13.4	13.8	17.2	20.5	22.5	17.2
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	17.2	12.8	20.5	15.0	13.4	13.8	16.6	20.5	22.5	17.2
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	0.6	..	..	..
Davao Region	..	..	..	..	..	..	0.1	0.8	2.2	1.0
Compostela Valley	..	..	..	..	..	..	..	..	..	0.0
Davao del Norte	..	..	..	..	..	..	0.1	0.8	2.0	0.9
Davao del Sur	..	..	..	..	..	..	..	..	0.2	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	0.1	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	0.1	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	10.8	10.2	5.3	3.4	17.3	14.6	6.7	26.1	36.7	27.9
Agusan del Norte	10.8	10.2	5.3	3.4	17.3	10.9	6.7	26.1	36.7	22.1
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	3.7	..	..	..	5.8
ARMM	2,126.3	2,053.5	2,055.8	2,231.4	2,175.9	2,921.3	3,277.4	3,533.5	3,431.2	3,492.1
Basilan	..	..	..	..	..	..	..	0.1	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2,126.3	2,053.5	2,055.8	2,231.4	2,175.9	2,921.3	3,277.4	3,533.4	3,431.2	3,492.1
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudfish (Dalag)										
Philippines	**9,906.4**	**10,678.2**	**10,703.2**	**10,864.7**	**11,198.7**	**11,753.5**	**8,829.0**	**9,512.3**	**9,666.0**	**8,276.2**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	35.1	35.5	37.5	47.7	47.1	47.0	44.5	48.5	35.0	36.6
Abra	3.7	3.8	4.3	7.7	5.7	4.0	0.8	3.3	3.0	3.8
Apayao	7.5	7.3	8.3	15.0	15.7	16.1	16.7	14.1	10.8	16.3
Benguet	0.9	0.9	0.8	0.9	1.1	1.1	0.6	1.6	1.8	1.1
Ifugao	..	..	..	..	..	..	1.1	1.0	5.0	2.9
Kalinga	23.1	23.5	24.2	24.0	24.6	25.8	25.3	28.6	14.4	12.4
Mountain Province	..	..	..	..	..	..	..	..	..	0.1
Ilocos Region	79.0	94.3	130.6	89.0	95.8	86.7	107.4	57.2	71.5	43.2
Ilocos Norte	10.1	8.7	22.4	12.7	7.2	3.4	1.6	1.7	8.0	1.3
Ilocos Sur	3.9	3.8	4.0	4.7	6.5	6.6	8.1	7.8	17.8	17.1
La Union	30.0	26.8	35.5	28.8	49.9	56.0	78.1	35.5	9.0	4.0
Pangasinan	35.0	55.0	68.7	42.9	32.2	20.8	19.6	12.3	36.8	20.8
Cagayan Valley	753.7	810.2	913.7	981.2	744.5	627.1	474.7	440.6	398.2	399.1
Cagayan	593.8	629.1	695.8	763.8	547.0	495.7	357.3	341.8	310.9	320.1
Isabela	71.8	84.0	106.2	102.4	80.9	57.2	52.8	54.5	51.1	43.7
Nueva Vizcaya	86.1	93.3	109.4	113.0	114.3	72.8	63.0	42.6	34.5	33.4
Quirino	1.9	3.7	2.4	2.0	2.4	1.3	1.6	1.7	1.7	1.9
Central Luzon	1,370.2	1,329.3	1,452.7	1,639.9	1,604.0	1,675.5	1,651.0	1,528.1	1,840.8	1,192.5
Aurora	22.6	25.6	26.0	27.2	28.9	28.9	27.7	16.9	10.0	5.9
Bataan	11.3	12.7	13.5	14.8	15.0	13.2	2.2	6.5	8.1	3.7
Bulacan	40.4	30.4	35.2	71.3	33.5	52.7	26.3	25.7	144.8	35.9
Nueva Ecija	197.4	166.2	123.5	157.1	95.4	80.2	169.4	170.0	174.5	122.7
Pampanga	945.0	940.3	1,084.2	1,207.2	1,299.7	1,374.2	1,261.1	1,133.1	1,200.9	750.7
Tarlac	144.3	139.9	149.1	141.7	115.8	115.0	147.4	159.6	295.4	264.0
Zambales	9.1	14.3	21.3	20.5	15.7	11.4	16.9	16.3	7.2	9.6
CALABARZON	284.1	276.1	240.4	237.7	225.4	218.0	276.1	414.4	413.2	464.5
Batangas	72.1	67.7	28.5	18.3	13.5	10.7	68.7	68.2	67.9	55.9
Cavite	0.0	..	0.0	0.3	..	5.3	0.2	1.2	1.4	1.5
Laguna	183.9	179.2	181.4	188.5	185.8	177.8	180.1	205.6	235.4	196.0
Quezon	0.1	0.2	0.4	0.3	0.2	0.4	0.2	0.0	..	0.0
Rizal	28.0	29.0	30.1	30.2	26.0	23.7	26.9	139.5	108.6	211.1
MIMAROPA	86.7	89.7	91.5	73.7	72.1	69.8	85.3	106.1	93.2	84.2
Marinduque	5.4	5.1	4.5	4.1	4.7	4.7	1.6	1.4	1.3	1.3
Occidental Mindoro	10.8	11.6	12.7	14.1	14.7	14.9	14.8	11.6	10.2	12.2
Oriental Mindoro	28.9	30.4	30.6	33.4	31.5	34.5	31.1	37.5	48.5	51.4
Palawan	39.9	40.1	41.6	20.1	18.7	13.1	36.7	54.8	32.8	19.0
Romblon	1.8	2.5	2.2	2.0	2.4	2.6	1.1	0.8	0.4	0.4
Bicol Region	201.0	208.9	244.5	252.5	256.5	221.0	235.1	384.9	343.6	276.7
Albay	106.0	107.5	123.8	135.4	137.5	116.6	88.3	75.7	78.7	70.1
Camarines Norte	28.8	31.9	43.4	34.3	38.3	35.6	16.6	8.9	21.4	3.1
Camarines Sur	31.2	29.2	29.7	26.0	19.8	11.8	71.4	243.0	191.5	160.7
Catanduanes	..	..	..	..	..	..	0.1	0.1	..	0.1
Masbate	20.2	25.6	34.3	37.1	39.9	50.9	52.8	47.4	42.3	39.8
Sorsogon	14.8	14.7	13.4	19.6	21.0	6.1	5.9	9.9	9.7	2.8
Western Visayas	76.9	117.5	106.2	65.3	64.8	52.6	44.9	86.1	129.7	46.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	0.7	0.6	0.7	0.7	0.7	1.0	1.8	1.6	0.8	1.4
Capiz	17.2	22.2	24.9	25.9	23.9	19.0	10.1	13.4	9.3	3.3
Guimaras	3.5	3.4	4.0	2.8	2.8	2.6	2.8	4.0	1.8	0.8
Iloilo	54.3	82.9	71.9	29.7	34.3	26.8	27.7	66.9	117.8	33.8
Negros Occidental	1.2	8.4	4.8	6.2	3.2	3.2	2.5	0.3	..	6.7
Central Visayas	4.5	4.9	6.4	5.8	5.5	4.2	3.6	6.3	7.5	4.1
Bohol	2.5	2.7	3.2	2.5	2.2	2.2	1.1	3.4	3.3	2.3
Cebu	1.6	1.6	2.1	1.8	2.9	1.8	1.9	2.4	4.0	1.4
Negros Oriental	0.4	0.6	1.1	1.6	0.5	0.2	0.6	0.6	0.2	0.4
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	97.7	81.6	54.5	50.3	36.8	35.6	36.1	33.6	34.5	39.1
Biliran	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.4
Eastern Samar	40.0	28.0	13.3	11.7	0.4	0.2	..	0.1	..	0.2
Leyte	13.2	13.1	0.1	0.2	0.1	0.1	1.1	0.7	0.5	0.3
Northern Samar	44.5	40.5	40.7	38.3	36.2	35.3	34.6	30.6	31.1	37.5
Samar	..	..	..	..	..	..	..	1.7	2.2	0.7
Southern Leyte	..	..	0.3	..	..	..	0.1	0.1	0.2	0.1
Zamboanga Peninsula	155.5	119.1	116.1	107.1	106.8	105.8	115.8	121.7	119.6	201.3
Zamboanga del Norte	4.8	5.7	6.9	6.2	6.6	6.2	6.4	7.2	7.2	7.8
Zamboanga del Sur	145.4	108.2	105.7	96.0	95.3	91.5	100.5	111.4	109.8	188.8
Zamboanga Sibugay	5.3	5.2	3.6	4.9	4.8	8.1	8.9	3.1	2.7	4.8
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	305.6	281.0	285.6	253.1	404.7	396.4	438.9	391.8	414.3	439.4
Bukidnon	43.8	28.7	17.1	36.8	79.7	62.9	126.8	104.6	158.3	189.3
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	259.6	248.1	263.7	209.4	316.0	322.0	300.0	275.6	245.2	240.8
Misamis Occidental	0.5	2.4	3.5	6.6	8.1	11.4	10.5	7.7	6.2	5.9
Misamis Oriental	1.6	1.8	1.3	0.4	0.8	0.1	1.6	3.9	4.6	3.4
Davao Region	14.4	19.3	18.1	18.3	15.6	25.0	14.4	12.4	17.1	16.0
Compostela Valley	12.9	16.4	16.2	17.1	15.0	24.4	12.4	10.2	13.1	11.1
Davao del Norte	..	..	..	..	..	..	0.1	0.4	0.2	1.0
Davao del Sur	0.5	1.2	0.5	1.1	0.6	0.6	1.7	1.3	3.0	2.5
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	1.0	1.7	1.3	0.1	..	0.0	..	..	..	..
City of Davao	..	..	..	..	..	..	0.3	0.4	0.9	1.2
SOCCSKSARGEN	2,999.8	3,422.5	3,516.6	3,399.4	3,533.7	3,390.9	3,102.8	3,187.6	3,113.4	2,537.8
Cotabato	2,675.5	3,101.2	3,216.8	3,080.3	3,239.4	3,091.1	2,822.1	2,919.3	2,722.6	2,214.9
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	320.2	317.3	296.6	315.9	290.1	296.6	278.3	263.7	384.4	314.8
South Cotabato	4.2	3.9	3.2	3.3	4.2	3.2	2.4	4.6	6.4	8.1
Caraga	571.8	601.1	573.7	553.2	471.5	351.2	396.6	394.9	379.0	307.5
Agusan del Norte	39.5	74.8	76.7	61.3	59.7	51.0	43.4	41.0	32.4	29.5
Agusan del Sur	459.7	455.5	457.7	471.8	391.2	279.1	298.5	297.9	277.7	239.0
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.1
Surigao del Norte	50.4	48.6	27.2	9.8	6.9	5.6	14.2	17.3	30.5	22.0
Surigao del Sur	22.2	22.2	12.2	10.3	13.6	15.5	40.5	38.7	38.3	16.9
ARMM	2,870.4	3,187.1	2,915.1	3,090.5	3,514.0	4,447.0	1,801.9	2,298.1	2,255.5	2,188.5
Basilan	..	..	..	0.2	0.1	0.1	12.8	2.0	0.8	0.5
Lanao del Sur	956.5	947.1	933.8	1,060.5	1,317.3	1,574.2	369.7	412.6	265.5	164.6
Maguindanao	1,913.8	2,240.0	1,981.3	2,029.8	2,196.7	2,872.7	1,419.4	1,883.6	1,989.2	2,023.4
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mullet (Kapak)										
Philippines	**949.8**	**802.5**	**792.1**	**877.0**	**881.9**	**956.2**	**931.2**	**1,131.6**	**1,413.7**	**1,180.0**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	77.7	73.8	102.5	119.3	111.5	76.8	68.5	56.8	63.4	101.7
Ilocos Norte	7.2	15.9	16.2	24.0	26.1	9.5	13.8	11.1	7.3	8.0
Ilocos Sur	29.4	32.7	32.8	36.2	35.4	16.1	16.6	8.3	23.2	49.4
La Union	27.4	16.3	38.5	17.8	33.9	24.7	13.7	13.8	11.0	18.5
Pangasinan	13.7	8.9	15.1	41.3	16.1	26.4	24.5	23.6	21.8	25.8
Cagayan Valley	73.9	67.8	84.3	99.1	107.2	112.7	99.3	91.2	78.8	77.4
Cagayan	65.1	58.6	67.2	81.2	87.2	90.5	82.6	74.6	62.9	60.9
Isabela	8.4	9.0	13.9	17.4	19.4	19.9	15.1	14.2	14.3	15.0
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	0.4	0.2	3.2	0.5	0.5	2.3	1.6	2.4	1.6	1.5
Central Luzon	129.9	93.9	39.9	45.9	56.9	233.1	195.7	131.4	90.3	78.8
Aurora	14.8	15.2	14.9	16.3	16.8	16.6	15.7	9.2	8.7	5.0
Bataan	8.4	8.9	8.8	9.5	9.2	7.4	1.5	..	0.1	3.8
Bulacan	106.7	69.8	16.2	20.1	30.8	209.1	143.5	73.4	81.5	13.4
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	54.2
Tarlac	..	..	..	..	..	..	35.0	48.8	..	..
Zambales	..	..	..	..	..	..	..	..	..	2.3
CALABARZON	0.1	0.5	0.8	0.5	0.3	0.1	0.4	0.1	0.1	0.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	0.1	0.5	0.8	0.5	0.3	0.1	0.4	0.1	0.1	0.3
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	9.2	10.7	11.1	11.7	12.5	12.9	9.4	8.2	8.4	10.1
Marinduque	5.9	6.3	6.7	6.6	6.7	6.7	3.5	5.0	5.1	3.3
Occidental Mindoro	2.8	3.6	3.5	4.1	4.3	4.6	4.5	3.0	2.3	6.9
Oriental Mindoro	..	..	..	..	..	..	0.8	..	1.0	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	0.5	0.7	1.0	1.1	1.5	1.6	0.6	0.2	0.0	0.0
Bicol Region	3.8	5.5	6.0	5.7	6.9	7.2	6.6	10.9	5.0	5.6
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	2.7	4.2	4.6	4.2	5.1	5.2	4.5	9.1	3.6	0.6
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	1.1	1.3	1.4	1.5	1.8	1.9	2.1	1.6	1.4	1.2
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	0.2	0.0	3.8
Western Visayas	448.5	347.3	328.9	394.1	376.2	343.2	389.8	670.7	1,026.7	721.6
Aklan	37.2	41.7	36.7	48.3	50.8	43.9	30.4	32.0	44.4	50.3
Antique	33.9	35.5	42.8	41.6	44.3	41.1	34.0	40.8	28.6	39.5
Capiz	11.9	19.0	19.6	16.1	10.8	6.9	4.3	4.0	1.3	4.7
Guimaras	1.3	1.5	2.0	2.0	1.6	1.2	2.8	4.9	4.2	9.3
Iloilo	70.3	70.6	81.0	15.0	25.5	30.8	74.0	241.0	450.1	193.6
Negros Occidental	293.9	179.0	146.8	271.1	243.2	219.4	244.3	348.0	498.2	424.3
Central Visayas	10.4	6.7	4.0	3.2	2.2	1.5	3.3	1.9	5.1	0.9
Bohol	0.9	0.6	0.3	0.3	0.2	0.1	0.0	0.2	1.2	0.4
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	9.5	6.2	3.7	2.9	1.9	1.4	3.2	1.7	3.9	0.5
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	35.6	32.2	23.1	16.3	10.8	4.6	1.3	1.5	0.1	18.0
Biliran	..	..	..	..	..	..	..	0.0	..	..
Eastern Samar	22.2	19.6	13.0	8.5	3.0	1.8	0.9	0.4	0.1	0.2
Leyte	..	..	..	..	..	..	0.3	0.0	..	0.1
Northern Samar	..	..	..	..	..	..	..	..	..	14.8
Samar	13.4	12.6	10.1	7.8	7.8	2.8	0.1	1.0	..	2.9
Southern Leyte	..	..	..	..	..	..	..	0.0	..	..
Zamboanga Peninsula	6.7	16.6	15.7	17.0	16.5	18.1	29.5	28.9	10.2	7.2
Zamboanga del Norte	5.5	6.6	7.7	7.6	8.1	7.5	8.1	8.7	5.4	1.7
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	1.2	10.0	8.0	9.4	8.4	10.6	21.5	20.2	4.8	5.5
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	103.9	104.6	104.7	85.5	78.5	72.6	54.0	54.0	57.7	55.4
Bukidnon	..	..	..	..	..	..	..	..	..	0.7
Camiguin	..	..	..	..	..	..	..	..	0.0	..
Lanao del Norte	96.8	96.5	97.1	75.5	70.5	62.6	42.2	40.9	41.8	41.2
Misamis Occidental	2.6	5.1	6.6	8.2	6.8	8.0	8.3	8.9	9.0	9.3
Misamis Oriental	4.6	3.1	1.0	1.8	1.2	2.0	3.5	4.1	6.9	4.2
Davao Region	1.0	0.4	0.1	0.1	1.1	2.0	0.9	1.3	1.3	1.8
Compostela Valley	..	..	..	..	0.0	..	..	..	..	..
Davao del Norte	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.6	0.3
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	0.9	0.4	..	..	1.0	2.0	0.9	1.2	0.2	1.3
City of Davao	..	..	..	..	..	..	..	..	0.4	0.0
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	0.1
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	0.1
Caraga	49.2	42.6	71.1	78.6	101.4	71.5	72.6	74.9	66.8	101.3
Agusan del Norte	3.9	10.3	6.8	2.9	3.3	6.1	36.2	35.5	31.2	26.0
Agusan del Sur	1.3	0.7	0.6	..	0.4	3.5	..	0.2	..	0.3
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.8
Surigao del Norte	..	..	..	..	..	..	..	..	4.2	2.5
Surigao del Sur	43.9	31.6	63.7	75.7	97.6	61.9	36.4	39.2	31.3	71.7
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mullet (Ludong)										
Philippines	**62.8**	**51.2**	**42.9**	**36.5**	**46.2**	**29.9**	**84.8**	**27.1**	**49.8**	**61.2**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	0.5	0.6	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	0.5	0.6	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.5	..	..	..	..	..	..	..	1.2	23.8
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	1.2	23.8
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	0.5	..	..	..	..	..	..	..	..	..
Cagayan Valley	0.6	0.7	0.7	1.7	1.2	0.5	0.9	..	0.6	0.3
Cagayan	0.0	0.0	0.0	..	..	..	0.6	..	..	..
Isabela	0.5	0.7	0.7	1.7	1.2	0.5	0.3	..	0.6	0.3
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	0.5
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	0.5
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	0.3	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	0.3	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	1.7	1.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	1.7	0.4
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	0.6
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.1
Western Visayas	..	..	..	..	12.5	1.7	50.6	..	19.8	23.2
Aklan	..	..	..	..	..	..	..	..	..	2.4
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	0.6	6.1
Iloilo	..	..	..	..	..	1.7	50.6	..	19.3	14.0
Negros Occidental	..	..	..	..	12.5	..	..	..	..	0.7
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	55.1	45.7	38.9	32.5	29.8	26.1	21.9	17.4	19.3	5.6
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	25.9	23.9	17.6	10.5	8.7	6.2	4.1	1.9	3.8	2.8
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	27.8	21.9	21.3	22.0	21.0	19.9	17.6	14.9	15.4	2.8
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	1.5	..	..	..	..	..	0.2	0.7	0.1	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	5.5	4.6	3.2	2.3	2.7	1.7	1.7	0.2	0.2	0.5
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	5.5	4.6	3.2	2.3	2.7	1.7	1.7	0.2	0.2	0.5
Davao Region	0.0	0.1	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	0.0	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	0.1	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	1.1	0.1	0.0	0.0	..	..	9.0	9.0	6.9	6.3
Agusan del Norte	1.1	0.1	0.0	0.0	..	..	9.0	9.0	6.9	6.3
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sardines (Tawilis)										
Philippines	**1,077.2**	**941.1**	**756.9**	**479.7**	**648.7**	**1,274.0**	**901.2**	**1,355.6**	**933.9**	**573.4**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	0.8
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	0.8
CALABARZON	1,064.9	930.8	750.7	476.4	636.1	1,273.4	889.2	1,342.2	905.3	531.9
Batangas	1,064.9	930.8	750.7	476.4	636.1	1,273.4	889.2	1,342.2	905.3	531.9
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	8.1	3.4	..	0.2
Marinduque	..	..	..	..	..	..	..	..	..	0.1
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	8.1	3.4	..	0.1
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	12.6
Albay	..	..	..	..	..	..	..	..	..	4.6
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	7.3
Catanduanes	..	..	..	..	..	..	..	..	..	0.6
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	11.4	0.4	0.8	..	6.9	20.9
Aklan	..	..	..	..	0.1	0.4	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	0.8	..	..	0.0
Negros Occidental	..	..	..	..	11.3	..	..	..	6.9	20.8
Central Visayas	7.7	6.5	6.2	3.2	1.2	0.2	3.1	5.2	13.7	0.2
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	7.7	6.5	6.2	3.2	1.2	0.2	3.1	5.2	13.7	0.2
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	4.6	3.8	..	..	..	..	..	4.9	8.0	7.0
Agusan del Norte	..	..	..	..	..	..	..	..	8.0	7.0
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	4.6	3.8	..	..	..	..	..	4.9	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Silver perch (Ayungin)										
Philippines	**2,193.3**	**2,256.6**	**2,196.9**	**2,317.1**	**2,165.1**	**1,921.2**	**1,887.6**	**1,438.0**	**1,407.9**	**1,307.5**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	47.3	65.4	71.6	72.3	71.5	68.9	43.6	45.0	33.9	26.0
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	4.4	4.0	3.5	3.5	3.7	3.7	3.0	6.3	8.7	2.0
Ifugao	31.6	49.8	56.5	57.5	57.8	55.2	32.3	32.9	25.2	23.9
Kalinga	11.3	11.6	11.6	11.3	10.1	10.0	8.3	5.8	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	28.4	31.2	30.3	18.3	21.5	17.2	15.5	7.6	8.2	5.4
Ilocos Norte	13.5	20.9	19.9	11.5	13.6	7.6	7.1	0.9	1.4	0.8
Ilocos Sur	..	..	..	..	..	..	..	..	1.6	1.0
La Union	3.6	3.2	5.3	4.1	4.3	5.7	3.6	2.1	1.9	0.9
Pangasinan	11.4	7.1	5.1	2.8	3.6	3.9	4.8	4.7	3.3	2.7
Cagayan Valley	38.3	44.2	30.1	37.5	23.7	20.7	24.3	23.8	23.7	21.8
Cagayan	1.4	1.9	0.3	5.6	..	..	..	..	..	..
Isabela	30.5	35.6	22.8	25.6	17.1	15.5	17.4	16.2	15.8	14.6
Nueva Vizcaya	6.5	6.5	6.9	6.4	6.6	5.3	6.9	7.6	7.9	7.3
Quirino	..	0.2	..	..	..	..	..	..	..	..
Central Luzon	452.4	445.0	386.7	396.9	334.8	331.9	411.3	362.4	408.1	326.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	5.5	5.5	5.1	5.4	4.9	3.5	2.5	1.2	3.2	3.3
Bulacan	27.2	18.2	15.9	23.7	2.2	3.2	41.6	6.5	36.9	44.0
Nueva Ecija	41.7	5.0	4.5	..	0.8	1.0	1.7	18.2	15.1	5.3
Pampanga	369.1	407.7	360.2	359.1	323.3	321.3	358.2	334.0	350.9	257.7
Tarlac	8.1	8.0	1.0	8.2	3.0	1.2	2.3	2.6	2.1	15.3
Zambales	0.8	0.6	..	0.6	0.7	1.8	5.0	..	..	0.5
CALABARZON	1,360.5	1,393.9	1,391.8	1,427.6	1,324.5	1,180.4	1,185.0	773.0	704.2	726.5
Batangas	76.4	91.2	90.4	74.3	57.5	77.1	158.5	71.4	71.8	34.7
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1,060.2	1,070.4	1,075.1	1,128.4	1,134.2	984.5	444.1	365.5	313.9	304.8
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	223.9	232.2	226.4	224.9	132.8	118.8	582.5	336.1	318.5	387.1
MIMAROPA	38.4	36.7	37.2	36.8	36.0	35.0	37.8	50.2	68.0	61.8
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	0.6	1.1	0.5	0.3
Oriental Mindoro	38.4	36.7	37.2	36.8	36.0	35.0	37.2	49.1	67.4	60.5
Palawan	..	..	..	..	..	..	..	..	..	0.9
Romblon	..	..	..	..	..	..	..	..	0.1	..
Bicol Region	128.3	129.9	146.2	141.1	135.4	112.2	46.9	90.9	106.6	72.0
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	128.3	129.9	146.2	141.1	135.4	112.2	46.9	90.9	106.6	72.0
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	0.1
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	0.1
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	6.3	4.1
Bohol	..	..	..	..	..	..	..	..	0.1	..
Cebu	..	..	..	..	..	..	..	..	6.0	4.1
Negros Oriental	..	..	..	..	..	..	..	..	0.1	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	..	0.0	0.0	3.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	0.0	0.0	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	3.0
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	13.6	21.9	25.8	36.9	41.1	40.9	44.9	45.1	21.8	13.7
Zamboanga del Norte	8.1	8.7	11.0	10.7	10.5	10.1	11.1	12.7	12.7	13.7
Zamboanga del Sur	5.5	13.2	14.8	26.1	30.5	30.7	33.8	32.4	9.1	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	20.0	26.6	18.0	9.4	18.5	10.0	1.5	2.0	3.1	1.5
Bukidnon	12.0	8.5	14.7	6.7	11.4	8.6	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	8.0	18.2	3.3	2.7	7.1	1.4	1.5	2.0	3.1	1.5
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	60.3	57.4	56.2	138.0	150.4	84.0	66.5	26.4	16.4	34.0
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	46.4	40.5	39.7	119.4	133.8	66.8	53.0	10.8	..	13.7
South Cotabato	13.8	16.9	16.5	18.6	16.6	17.2	13.5	15.6	16.4	20.2
Caraga	6.0	4.5	3.1	2.4	7.9	20.1	10.4	11.7	7.5	11.5
Agusan del Norte	0.2	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	5.8	4.5	3.1	2.4	7.9	20.1	10.4	11.7	7.5	11.5
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Spade Fish (Kitang)										
Philippines	**207.1**	**197.6**	**228.3**	**192.3**	**201.2**	**215.6**	**115.8**	**152.4**	**112.4**	**96.3**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	40.8	28.8	56.4	32.2	49.8	62.1	4.5	3.2	3.0	10.1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	40.8	28.8	56.4	32.2	49.8	62.1	4.5	3.2	3.0	10.1
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	54.0	50.3	46.3	23.5	20.8	21.9	11.4	11.7	9.7	8.9
Cagayan	54.0	50.3	46.3	23.5	20.8	21.9	11.4	11.7	9.7	8.9
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	0.9	0.6	0.6	0.9	1.0	1.0	1.0	0.9	0.3	2.1
Aurora	0.9	0.6	0.6	0.9	1.0	1.0	1.0	0.9	0.3	0.2
Bataan	..	..	..	..	..	..	..	..	..	0.2
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	0.5
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	1.3
CALABARZON	0.0	..	..	..	..	0.0	..	5.1	7.1	0.1
Batangas	..	..	..	..	..	..	..	5.1	7.1	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	0.0	..	..	..	..	0.0	..	..	..	0.1
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3.8	3.8	3.5	3.6	3.9	4.3	3.2	2.2	1.3	2.9
Marinduque	..	..	..	..	..	..	0.9	1.1	1.3	1.0
Occidental Mindoro	3.8	3.8	3.5	3.6	3.9	4.3	2.2	1.1	..	1.9
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	1.6	..	0.1	1.9
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	1.6	..	0.1	1.5
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.4
Western Visayas	53.1	38.6	51.6	61.5	59.0	62.2	37.0	88.3	57.6	27.6
Aklan	..	..	..	..	..	..	..	..	..	0.9
Antique	1.7	2.2	2.5	3.3	4.0	3.7	2.9	3.3	1.7	1.3
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	3.2	2.5
Iloilo	..	1.5	..	7.5	4.7	5.9	..	..	..	1.2
Negros Occidental	51.4	34.9	49.1	50.7	50.3	52.6	34.2	85.0	52.6	21.7
Central Visayas	0.6	0.4	0.5	0.6	0.4	0.2	0.1	0.6	0.2	0.1
Bohol	0.6	0.4	0.5	0.5	0.4	0.2	0.1	0.6	0.2	0.1
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	0.0	0.0	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	29.9	37.5	30.5	27.6	27.7	21.7	17.7	13.3	13.4	4.8
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	0.1	..	0.0	1.1
Leyte	..	..	..	..	..	..	0.0	..	..	..
Northern Samar	24.9	25.9	24.7	23.4	22.1	19.7	16.7	13.3	11.8	2.9
Samar	5.0	11.6	5.7	4.1	5.5	2.0	0.9	..	1.6	0.8
Southern Leyte	..	..	..	..	..	..	..	0.0	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	1.7	2.4	3.0	3.7	5.8	6.7	2.5	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	1.7	2.4	3.0	3.7	5.8	6.7	2.5	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	0.3	0.0	0.2
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.3	0.0	0.2
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	21.4	34.3	35.2	38.3	32.1	34.8	36.8	26.8	19.8	37.6
Agusan del Norte	4.9	4.9	2.6	1.5	3.5	6.4	8.5	7.5	5.9	3.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	16.5	29.4	32.7	36.8	28.7	28.4	28.3	19.3	13.9	33.7
ARMM	0.8	0.9	0.8	0.7	0.7	0.7	..	..	..	..
Basilan	0.8	0.9	0.8	0.7	0.7	0.7	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Starry Goby (Dulong)										
Philippines	**118.1**	**129.7**	**165.3**	**207.8**	**252.2**	**259.1**	**348.5**	**331.3**	**368.5**	**361.4**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	23.0	28.6	23.6	22.8	12.0	12.7	10.8	10.1	9.5	8.1
Cagayan	11.1	10.3	9.0	9.9	3.1	3.2	2.5	2.1	1.8	0.7
Isabela	11.9	18.3	14.6	12.9	8.9	9.5	8.3	8.0	7.7	7.4
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	57.2	52.3	52.1	54.2	51.3	48.2	96.9	87.8	233.9	123.7
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	50.5	45.2	45.5	47.5	47.8	43.8	38.9	32.8	36.7	36.8
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	6.8	7.0	6.6	6.7	3.4	4.4	57.9	55.0	197.2	86.9
MIMAROPA	1.3	0.4	..	..	..	..	..	..	..	..
Marinduque	1.3	0.4	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	0.6	0.9	1.0	0.4	0.5	0.5	1.0	0.8	0.8	0.5
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	0.6	0.9	1.0	0.4	0.5	0.5	1.0	0.8	0.8	0.5
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	12.7	20.1	19.9	23.0	10.7	9.4	75.1	93.2	3.8	12.8
Aklan	..	..	..	..	..	..	..	..	..	5.3
Antique	1.4	2.0	2.3	2.2	2.5	2.7	1.8	1.6	1.9	1.6
Capiz	11.2	18.1	17.5	13.8	8.2	6.7	3.9	3.4	1.0	5.3
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	7.0	..	..	69.4	88.2	..	0.6
Negros Occidental	..	..	..	..	..	..	..	..	0.8	..
Central Visayas	..	..	..	..	..	..	..	..	0.2	0.5
Bohol	..	..	..	..	..	..	..	..	0.2	0.5
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	0.0	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	..	..	..	0.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	0.0
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	10.3	3.8	7.6	..	..	..	..	..	..	0.2
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	10.3	3.8	7.6	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	0.2
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	5.7	5.9	4.5	2.7	4.3	3.1	1.6	0.3	0.1	1.2
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	5.7	5.9	4.5	2.7	4.3	3.1	1.6	0.3	0.1	1.2
Davao Region	..	..	..	..	..	..	..	..	..	0.1
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	0.1
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	7.3	17.8	56.7	104.7	173.5	185.2	163.2	139.2	120.3	92.4
Agusan del Norte	7.3	17.8	56.7	104.7	173.5	185.2	163.2	139.2	120.3	90.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	1.5
ARMM	..	..	..	..	..	..	..	..	..	121.9
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	121.9
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tarpon (Buan Buan)										
Philippines	**205.3**	**223.9**	**197.4**	**159.7**	**136.2**	**104.7**	**106.4**	**89.8**	**64.2**	**171.5**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	3.4	2.4	0.6	0.6	0.5	0.9	0.5	0.3	1.0	0.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	0.7	..
La Union	3.4	2.4	0.6	0.6	0.5	0.9	0.5	0.3	0.3	0.3
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	17.8	22.1	24.6	13.9	12.4	10.0	5.9	5.0	3.8	1.3
Cagayan	17.8	22.1	24.6	13.9	12.4	10.0	5.9	5.0	3.8	1.3
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	0.1	3.5	2.0	2.0	1.8	2.5	..	0.7	47.8
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	0.7	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	46.0
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	0.1	3.5	2.0	2.0	1.8	2.5	..	..	1.8
CALABARZON	..	..	..	..	..	..	..	..	..	17.5
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	0.5
Rizal	..	..	..	..	..	..	..	..	..	17.0
MIMAROPA	4.2	4.3	4.4	5.1	5.3	6.1	5.7	5.9	3.2	5.5
Marinduque	..	..	..	..	..	..	0.0	..	0.0	0.1
Occidental Mindoro	3.8	4.1	4.2	4.8	5.2	5.8	5.6	5.9	3.1	5.3
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	0.4	0.2	0.1	0.3	0.1	0.3	0.1	0.0	..	0.1
Bicol Region	..	..	..	..	..	0.1	0.0	0.2	0.7	0.8
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	0.2	0.7	0.2
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	0.1	0.0	..	..	0.6
Western Visayas	22.5	31.6	18.3	25.1	20.9	12.8	21.7	12.3	9.5	41.6
Aklan	..	..	..	..	..	..	..	..	..	7.7
Antique	7.9	6.4	6.9	8.0	10.0	9.5	7.0	6.4	3.6	2.4
Capiz	2.0	1.7	1.8	2.1	1.3	0.7	0.9	1.0	0.8	4.8
Guimaras	..	..	..	..	..	..	..	..	..	7.6
Iloilo	11.3	16.3	5.0	8.4	5.7	..	12.5	4.7	5.1	13.2
Negros Occidental	1.3	7.2	4.6	6.5	3.9	2.6	1.3	0.2	..	5.9
Central Visayas	0.3	0.4	0.4	0.3	0.1	..	0.7	0.1	..	0.0
Bohol	0.3	0.4	0.4	0.3	0.1	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	0.7	0.1	..	0.0
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	9.4	8.4	2.7	2.6	0.6	..	..	0.2	0.1	3.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	9.4	8.4	2.7	2.6	0.6	..	..	0.1	0.1	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	3.5
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	0.1	..	..
Zamboanga Peninsula	104.0	88.3	88.4	62.0	55.4	48.1	50.0	44.7	35.8	44.3
Zamboanga del Norte	..	..	..	..	..	..	..	..	0.6	..
Zamboanga del Sur	104.0	88.3	88.4	62.0	55.4	48.1	50.0	44.7	35.2	43.1
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	1.2
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	19.9	18.7	13.3	17.1	11.2	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	19.9	18.7	13.3	17.1	11.2	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	0.0	0.0	0.0	..	..	0.2	0.2	0.1
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	0.0	0.0	0.0	..	..	0.2	0.2	0.1
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.0
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	15.1	38.6	34.5	28.3	25.6	21.7	16.4	8.6	6.3	4.4
Cotabato	15.1	38.6	34.5	28.3	25.6	21.7	16.4	8.6	6.3	4.4
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	8.0	8.4	6.1	2.1	1.4	2.5	2.9	12.4	2.5	3.9
Agusan del Norte	3.0	3.9	4.3	2.1	1.4	1.0	1.6	2.0	1.4	2.5
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	5.0	4.5	1.7	..	..	1.6	1.3	10.4	1.1	1.4
ARMM	0.7	0.7	0.8	0.7	0.7	0.7	0.2	..	0.4	0.5
Basilan	0.7	0.7	0.8	0.7	0.7	0.7	0.2	..	0.4	0.5
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**44,896.1**	**45,784.3**	**47,439.3**	**48,937.8**	**54,180.2**	**50,473.7**	**41,676.9**	**43,240.0**	**44,070.9**	**41,801.9**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	438.2	460.0	461.1	476.0	513.8	519.1	577.8	510.1	432.1	396.4
Abra	149.5	149.8	138.4	136.4	157.4	152.3	170.3	120.0	129.7	115.5
Apayao	43.7	47.6	52.8	60.9	66.5	69.3	70.0	56.7	47.9	60.6
Benguet	47.2	50.6	51.9	52.9	54.6	58.8	61.2	64.0	63.0	55.4
Ifugao	115.8	128.5	126.6	129.3	131.2	128.3	161.4	165.2	107.6	88.3
Kalinga	80.6	81.8	89.6	94.5	101.7	108.5	113.2	103.0	83.1	75.5
Mountain Province	1.6	1.7	1.9	2.1	2.4	1.9	1.7	1.2	0.9	1.0
Ilocos Region	381.1	374.3	391.7	334.1	392.2	309.6	392.7	361.1	445.9	298.6
Ilocos Norte	172.7	106.1	127.2	107.0	112.9	59.6	66.6	76.9	78.7	34.0
Ilocos Sur	62.9	66.8	65.7	62.8	65.6	49.2	50.6	53.5	72.4	50.2
La Union	71.7	64.0	79.2	68.2	80.9	89.3	111.3	70.7	41.2	127.4
Pangasinan	73.8	137.4	119.7	96.1	132.8	111.5	164.2	160.1	253.6	86.9
Cagayan Valley	4,649.1	4,858.1	5,096.0	5,066.2	4,376.1	3,536.6	3,185.5	3,327.0	3,067.1	3,100.4
Cagayan	2,985.6	3,200.6	3,380.4	3,377.0	2,769.8	1,943.8	1,579.3	1,706.0	1,652.1	1,700.5
Isabela	1,386.6	1,359.1	1,378.4	1,346.8	1,287.7	1,336.2	1,299.5	1,333.5	1,104.0	1,057.7
Nueva Vizcaya	151.9	159.7	181.7	182.4	180.8	154.5	205.0	194.1	204.8	218.9
Quirino	125.0	138.7	155.5	160.0	137.9	102.1	101.6	93.4	106.1	123.4
Central Luzon	2,750.2	2,822.0	2,817.3	2,742.6	3,029.7	2,922.7	2,832.0	3,057.6	3,462.0	3,284.5
Aurora	28.9	31.0	31.7	33.5	34.1	34.2	34.0	26.9	21.4	17.1
Bataan	15.5	16.4	18.3	20.3	21.2	25.0	16.9	18.8	27.0	24.7
Bulacan	437.2	499.3	305.1	412.9	474.1	420.2	442.7	494.6	674.8	765.4
Nueva Ecija	347.2	271.9	190.3	209.2	209.4	182.6	218.4	188.0	265.6	206.6
Pampanga	1,682.2	1,767.3	2,003.4	1,797.9	2,037.1	2,006.9	1,888.0	2,107.4	2,165.3	1,772.8
Tarlac	159.5	155.0	163.4	151.3	139.3	164.7	156.7	164.2	258.0	453.0
Zambales	79.7	81.1	105.2	117.5	114.5	89.1	75.4	57.7	49.9	45.0
CALABARZON	12,065.0	12,147.4	12,484.8	13,189.7	18,013.8	16,212.9	9,713.7	11,049.7	10,645.1	12,265.7
Batangas	520.7	577.9	684.7	564.3	967.7	668.3	526.3	413.3	486.2	487.6
Cavite	6.1	7.0	13.3	12.5	11.7	27.9	10.8	8.7	5.5	6.1
Laguna	8,309.8	8,153.5	8,282.7	8,597.0	9,364.4	7,758.3	7,623.2	7,748.6	7,547.6	8,076.7
Quezon	3.0	4.0	9.8	3.3	3.0	2.3	1.3	1.4	1.2	1.5
Rizal	3,225.4	3,405.0	3,494.3	4,012.6	7,667.1	7,756.0	1,552.1	2,877.7	2,604.5	3,693.9
MIMAROPA	411.7	416.3	421.9	398.7	394.3	384.2	886.1	1,098.1	1,216.7	669.0
Marinduque	7.3	7.5	6.7	5.7	5.1	5.8	3.6	3.5	4.0	3.3
Occidental Mindoro	27.7	31.2	33.4	35.4	35.5	36.0	35.6	33.2	24.2	27.0
Oriental Mindoro	333.5	336.1	339.9	336.3	332.1	327.8	325.3	400.6	384.2	374.2
Palawan	41.6	39.9	40.7	19.7	19.1	13.0	521.0	660.2	804.0	264.2
Romblon	1.5	1.5	1.3	1.6	2.7	1.6	0.7	0.5	0.2	0.4
Bicol Region	3,092.2	3,303.9	3,445.0	3,575.0	3,648.2	3,603.2	2,706.4	2,753.0	2,782.3	2,456.0
Albay	950.8	1,009.1	1,008.0	1,135.2	1,189.0	1,204.6	1,120.3	1,178.7	1,231.7	1,004.6
Camarines Norte	92.6	109.9	115.9	159.3	167.5	193.8	93.9	66.1	93.6	9.9
Camarines Sur	2,002.1	2,133.4	2,254.6	2,204.3	2,204.0	2,076.6	1,346.5	1,367.3	1,315.2	1,347.7
Catanduanes	1.9	2.5	3.4	4.1	4.6	5.2	5.7	3.1	2.7	3.2
Masbate	23.3	28.8	41.3	43.2	51.2	95.7	98.9	86.7	78.7	78.2
Sorsogon	21.6	20.3	21.8	28.9	32.0	27.3	41.2	51.2	60.2	12.5
Western Visayas	381.2	424.4	499.5	420.6	440.3	311.2	334.7	367.1	419.8	433.8
Aklan	73.8	87.7	85.6	82.4	87.9	39.1	36.1	42.6	50.9	52.1
Antique	46.0	49.8	45.1	49.6	48.0	51.0	37.0	24.9	21.2	27.2
Capiz	30.8	38.4	42.0	44.7	33.2	25.6	27.6	31.5	25.1	18.6
Guimaras	9.0	9.0	10.0	6.8	7.9	7.0	7.2	11.0	7.0	23.7
Iloilo	154.2	193.2	237.9	160.6	181.9	125.9	200.5	255.0	245.7	160.0
Negros Occidental	67.5	46.4	79.0	76.6	81.5	62.6	26.3	2.2	69.8	152.2
Central Visayas	58.6	67.0	80.8	58.7	82.8	69.7	34.4	39.5	49.1	55.2
Bohol	29.9	36.2	33.2	34.3	32.6	18.6	3.9	2.5	6.9	3.7
Cebu	25.9	28.1	42.4	18.2	41.0	41.4	21.3	20.7	33.7	47.9
Negros Oriental	2.8	2.7	5.2	6.3	9.1	9.7	9.2	16.3	8.5	3.6
Siquijor	.	.	.	.	.	.	0.0	.	.	.
Eastern Visayas	417.1	384.0	234.2	230.7	231.0	217.8	211.9	205.5	163.6	59.5
Biliran	0.1	0.0	0.0	..	..	..	..	0.6	0.5	0.3
Eastern Samar	177.9	150.8	5.8	5.4	3.3	0.5	..	..	..	0.0
Leyte	9.2	9.7	1.3	0.8	0.6	0.3	5.3	1.2	1.2	1.7
Northern Samar	225.8	208.8	210.7	208.3	211.6	211.7	204.3	192.3	153.9	48.4
Samar	4.2	14.7	16.5	16.2	15.6	5.3	2.3	11.3	7.9	8.1
Southern Leyte	..	..	..	..	..	..	..	0.2	0.0	1.0
Zamboanga Peninsula	292.3	208.8	177.7	212.2	182.4	191.6	207.1	230.7	232.2	338.2
Zamboanga del Norte	16.8	17.4	18.9	18.3	16.5	13.2	13.6	14.5	34.0	41.8
Zamboanga del Sur	269.7	191.4	158.9	192.9	165.5	178.4	177.8	199.2	196.8	296.0
Zamboanga Sibugay	5.7	..	..	1.0	0.4	..	15.8	17.1	1.5	0.4
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	2,375.0	1,791.9	1,858.1	2,047.3	1,781.2	1,689.2	1,917.0	1,658.4	1,738.4	1,897.2
Bukidnon	1,967.1	1,422.5	1,474.0	1,698.5	1,405.7	1,287.0	1,502.4	1,247.4	1,335.0	1,532.8
Camiguin	0.2	0.0	..	..	..	0.1	0.0	0.1	..	0.0
Lanao del Norte	322.1	311.0	322.5	293.8	307.1	295.7	296.2	291.5	281.4	272.3
Misamis Occidental	6.0	10.7	19.4	29.4	27.7	30.5	25.7	21.6	21.2	21.5
Misamis Oriental	79.6	47.7	42.3	25.6	40.7	75.9	92.7	97.9	100.8	70.5
Davao Region	79.8	88.2	135.9	174.4	195.3	131.6	98.9	92.7	82.4	80.0
Compostela Valley	47.4	61.5	106.7	143.4	155.5	90.7	72.5	64.1	53.1	44.5
Davao del Norte	0.0	0.0	0.1	0.1	0.1	0.1	0.3	1.0	1.5	3.9
Davao del Sur	9.4	9.0	9.7	14.6	22.7	21.5	13.2	5.7	10.9	6.3
Davao Occidental	.	.	.	.	.	.	.	.	.	0.3
Davao Oriental	10.2	7.4	9.2	5.9	6.2	7.3	4.8	10.4	10.9	18.7
City of Davao	12.7	10.2	10.2	10.4	10.8	12.0	8.1	11.5	6.1	6.3
SOCCSKSARGEN	10,748.1	11,828.2	12,221.1	11,653.6	12,153.8	9,800.2	9,412.3	9,165.5	9,299.9	6,262.8
Cotabato	4,280.2	4,913.6	5,111.9	4,914.9	5,271.9	5,192.0	5,648.0	5,402.9	5,534.8	4,374.2
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	6,289.9	6,742.3	6,923.7	6,523.9	6,657.3	4,365.8	3,481.4	3,512.3	3,456.5	1,518.9
South Cotabato	178.1	172.3	185.5	214.9	224.6	242.4	282.9	250.3	308.6	369.7
Caraga	1,042.0	1,132.3	1,149.3	1,017.5	1,013.7	875.4	769.5	890.4	838.0	851.7
Agusan del Norte	437.0	430.9	386.4	216.2	237.8	240.4	240.6	209.7	209.5	206.2
Agusan del Sur	314.9	301.7	315.3	377.9	367.0	270.0	285.9	344.4	291.1	265.3
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.2
Surigao del Norte	216.8	307.9	339.7	286.7	309.4	286.3	126.3	155.7	189.3	239.7
Surigao del Sur	73.3	91.8	107.9	136.7	99.5	78.7	116.7	180.7	148.1	140.4
ARMM	5,714.5	5,477.7	5,964.9	7,340.5	7,731.7	9,699.0	8,397.1	8,433.7	9,196.5	9,352.9
Basilan	1.8	1.8	1.8	1.7	1.8	1.8	19.3	1.3	1.2	1.2
Lanao del Sur	3,655.3	3,623.9	3,623.5	3,695.4	3,743.0	4,358.3	468.4	537.8	383.2	429.8
Maguindanao	2,057.5	1,852.0	2,339.7	3,643.4	3,986.9	5,338.8	7,909.4	7,894.6	8,812.1	8,921.8
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Big Head Carp										
Philippines	**9,994.1**	**10,926.1**	**12,118.7**	**13,086.1**	**16,629.3**	**16,261.5**	**1,591.8**	**2,813.6**	**3,011.9**	**3,543.4**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	1.6	0.1	..	..	..	..	0.9	4.2	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	0.9	4.2	..	..
Benguet	0.6	0.1	..	..	..	..	..	..	..	..
Ifugao	1.0	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	0.1	2.0	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	2.0	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	0.1	..	..
Cagayan Valley	98.8	95.4	39.1	38.6	6.1	5.8	6.2	5.9	5.8	8.2
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	98.8	95.4	39.1	38.6	6.1	5.3	6.2	5.9	5.8	8.2
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	0.5	..	..	..	..
Central Luzon	..	19.1	..	..	..	..	..	..	158.3	14.2
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	17.9	..	..	..	..	..	..	42.5	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	115.8	13.7
Zambales	..	1.3	..	..	..	..	..	..	..	0.5
CALABARZON	9,886.9	10,792.4	12,052.4	13,028.0	16,607.4	16,242.2	1,571.6	2,787.5	2,804.4	3,477.7
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1,558.8	1,380.3	1,376.2	1,438.3	2,118.9	1,128.0	989.7	948.2	1,016.8	1,276.7
Quezon	..	0.1	..	..	..	..	..	..	..	0.5
Rizal	8,328.1	9,412.1	10,676.2	11,589.7	14,488.5	15,114.2	582.0	1,839.3	1,787.6	2,200.6
MIMAROPA	..	..	..	..	..	..	1.5	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	1.5	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	9.6	14.2	41.3	34.7
Albay	..	..	..	..	..	..	9.6	13.7	21.0	20.0
Camarines Norte	..	..	..	..	..	..	..	..	..	0.2
Camarines Sur	..	..	..	..	..	..	..	0.5	20.3	14.6
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	5.5
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	5.5
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	0.6	0.1	0.2	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	0.6	0.1	0.2	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	6.8	17.8	25.1	18.1	13.4	10.7	0.3	0.8	..	1.8
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	0.2	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	1.8
Samar	6.8	17.8	25.1	18.1	13.4	10.7	0.1	0.8	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	0.5
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	0.5
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	1.3	2.1	1.4	2.4	2.9	1.0	1.0	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	1.3	2.1	1.4	2.4	2.9	1.0	1.0	..	..
Caraga	..	..	..	..	..	..	..	..	..	0.7
Agusan del Norte	..	..	..	..	..	..	..	..	..	0.6
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	0.1
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other Fishes										
Philippines	**4,251.6**	**4,330.6**	**5,184.2**	**5,871.0**	**6,014.7**	**8,720.6**	**6,089.6**	**6,005.4**	**6,567.5**	**6,958.9**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila										
CAR	0.2	..	..	..	..	8.3	84.3	92.1	71.6	77.3
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	1.9	7.8	12.3	20.8
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	69.2	70.1	36.7	32.6
Kalinga	..	..	..	..	..	7.8	11.7	13.1	22.1	23.2
Mountain Province	0.2	..	..	..	..	0.5	1.6	1.2	0.6	0.7
Ilocos Region	190.6	171.8	182.4	192.8	228.3	215.5	221.3	222.2	154.9	255.2
Ilocos Norte	21.7	33.7	26.3	18.5	18.7	14.4	15.6	12.3	9.6	17.1
Ilocos Sur	103.4	113.1	111.1	96.9	89.3	90.3	87.6	95.2	94.1	68.4
La Union	15.2	7.6	20.0	7.7	18.2	8.2	5.9	6.3	7.3	20.2
Pangasinan	50.3	17.4	25.0	69.7	102.1	102.6	112.2	108.5	44.0	149.5
Cagayan Valley	621.4	892.5	809.3	406.7	287.1	331.8	321.7	334.3	222.5	522.5
Cagayan	594.0	848.8	746.9	318.7	236.5	290.0	268.8	289.4	176.1	471.9
Isabela	23.2	39.5	58.1	82.5	45.4	38.3	37.8	36.8	35.6	40.1
Nueva Vizcaya	4.2	4.2	4.2	4.1	4.2	3.4	15.1	8.1	10.6	10.3
Quirino	..	..	..	1.5	0.9	0.2	..	0.1	0.2	0.3
Central Luzon	583.7	617.4	668.7	690.9	544.1	896.0	702.2	807.7	1,214.4	877.2
Aurora	10.3	11.5	10.7	11.3	11.8	12.0	11.6	6.3	5.7	2.5
Bataan	..	..	..	..	..	..	1.8	10.6	1.7	3.4
Bulacan	0.3	9.3	0.1	..	2.2	235.3	1.9	..	152.5	339.9
Nueva Ecija	19.2	7.4	16.6	7.1	8.2	..	21.8	..	8.0	8.7
Pampanga	554.0	589.1	640.6	669.6	521.8	648.8	660.0	774.1	828.6	373.9
Tarlac	..	0.1	..	..	..	..	..	14.7	205.8	119.0
Zambales	..	..	0.7	2.9	..	..	5.0	2.0	12.2	29.8
CALABARZON	737.8	647.5	1,525.6	2,438.8	3,070.6	5,338.7	2,575.9	2,796.8	2,968.3	3,120.3
Batangas	550.0	498.7	512.4	1,307.4	1,516.6	1,556.9	1,272.8	943.0	868.0	656.7
Cavite	2.0	1.7	2.7	4.6	0.1	2.9	0.5	..	..	0.4
Laguna	185.8	146.0	132.3	185.7	189.9	725.7	774.6	1,668.1	1,777.9	1,220.2
Quezon	0.1	1.2	0.6	0.8	0.2	0.4	0.6	0.3	0.6	1.0
Rizal	..	..	877.6	940.3	1,363.8	3,052.8	527.4	185.4	321.9	1,242.0
MIMAROPA	36.3	41.2	35.6	50.0	47.9	51.5	40.2	57.2	84.0	64.4
Marinduque	..	..	..	..	..	..	11.2	12.5	8.1	2.8
Occidental Mindoro	8.7	11.2	11.9	12.5	13.2	14.3	..	..	..	..
Oriental Mindoro	25.6	27.0	21.6	34.1	32.3	35.5	28.6	44.5	74.6	54.8
Palawan	..	..	..	..	..	..	..	..	0.9	6.8
Romblon	2.0	3.0	2.2	3.4	2.4	1.7	0.4	0.2	0.4	0.0
Bicol Region	4.2	..	..	..	..	..	9.8	8.8	1.5	139.1
Albay	4.2	..	..	..	..	..	..	..	..	9.2
Camarines Norte	..	..	..	..	..	..	9.8	8.8	0.8	0.8
Camarines Sur	..	..	..	..	..	..	..	..	..	105.1
Catanduanes	..	..	..	..	..	..	..	..	0.7	0.9
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	23.0
Western Visayas	781.4	510.9	642.9	626.8	710.5	820.1	855.0	539.4	586.6	559.8
Aklan	48.1	52.6	96.2	122.0	116.1	111.6	77.8	85.7	108.0	113.4
Antique	42.4	47.3	58.2	65.3	63.3	69.0	43.6	51.6	40.7	50.4
Capiz	3.9	6.7	5.1	5.5	7.8	5.0	2.1	7.2	7.4	11.8
Guimaras	4.3	5.1	5.4	3.8	4.4	3.5	5.6	14.0	15.0	15.9
Iloilo	224.0	131.1	163.5	104.9	144.4	139.8	335.1	48.8	135.9	215.0
Negros Occidental	458.6	268.1	314.6	325.4	374.5	491.2	390.7	332.0	279.7	153.4
Central Visayas	14.7	15.3	14.2	10.1	8.9	3.5	5.6	4.3	11.4	2.2
Bohol	0.7	0.5	0.7	1.1	0.8	0.7	1.3	1.9	3.8	1.7
Cebu	..	..	..	..	..	..	0.2	0.3	..	..
Negros Oriental	14.0	14.8	13.5	8.9	8.1	2.8	4.1	2.2	7.6	0.5
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	49.2	34.0	23.5	25.0	18.5	32.6	26.5	27.6	28.6	34.4
Biliran	..	..	..	..	..	..	..	0.1	..	..
Eastern Samar	36.6	26.3	18.2	19.2	13.4	27.7	21.7	14.4	19.2	12.6
Leyte	..	..	..	..	..	..	0.1	1.4	1.0	0.9
Northern Samar	9.9	5.7	5.3	5.8	5.1	4.7	4.7	4.2	4.5	12.9
Samar	2.8	2.1	..	..	..	0.1	..	7.6	3.9	8.1
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	6.3	109.9	94.7
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	22.3	88.7
Zamboanga Sibugay	..	..	..	..	..	..	..	6.3	87.6	6.0
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	275.6	320.4	278.7	253.3	132.3	98.5	208.2	238.0	340.0	277.5
Bukidnon	6.2	19.3	7.3	3.6	22.9	4.7	22.8	23.0	92.3	31.9
Camiguin	..	..	..	..	..	..	0.0	0.1	0.0	0.0
Lanao del Norte	252.0	290.4	254.8	237.2	97.4	78.1	154.2	189.1	219.8	209.0
Misamis Occidental	4.1	6.7	9.8	10.0	9.0	7.1	5.1	4.5	4.8	5.0
Misamis Oriental	13.3	4.0	6.8	2.6	3.0	8.6	26.1	21.3	23.0	31.7
Davao Region	16.3	15.1	32.1	32.5	17.3	18.5	7.9	24.7	24.3	37.0
Compostela Valley	..	..	..	..	..	..	1.4	0.8	3.7	6.0
Davao del Norte	..	..	..	..	..	..	0.1	0.0	0.6	0.8
Davao del Sur	..	..	..	..	..	..	0.6	2.9	2.4	0.3
Davao Occidental	.	.	.	.	.	.	.	.	.	0.2
Davao Oriental	16.3	15.0	32.0	32.4	17.3	18.4	5.4	19.6	15.9	28.1
City of Davao	0.0	0.1	0.1	0.1	0.1	0.1	0.3	1.4	1.7	1.7
SOCCSKSARGEN	646.7	573.3	492.2	477.4	335.1	275.3	233.8	149.3	48.4	40.0
Cotabato	23.4	25.2	12.3	14.5	13.3	12.1	8.9	8.4	5.5	5.0
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	618.5	542.5	475.5	456.8	317.0	257.7	184.3	107.1	9.8	..
South Cotabato	4.8	5.6	4.5	6.1	4.8	5.6	40.6	33.8	33.0	35.0
Caraga	263.7	234.8	286.4	350.0	302.0	346.1	561.8	439.5	438.6	415.5
Agusan del Norte	116.8	144.8	169.8	162.5	134.8	189.0	178.0	241.1	198.8	177.5
Agusan del Sur	79.3	47.6	53.2	96.8	88.9	83.1	69.8	53.7	60.0	48.2
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.9
Surigao del Norte	..	..	..	..	..	..	240.8	122.9	148.8	77.3
Surigao del Sur	67.6	42.4	63.4	90.7	78.3	74.1	73.2	21.9	30.9	111.7
ARMM	30.1	256.6	192.6	316.7	312.2	284.4	235.5	257.2	262.6	441.7
Basilan	1.2	1.2	1.0	1.0	1.0	1.1	2.9	1.1	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	159.4
Maguindanao	28.9	255.4	191.6	315.7	311.2	283.3	232.6	256.0	262.6	282.3
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Blue Crab (Alimasag)										
Philippines	**278.9**	**224.4**	**287.3**	**209.9**	**317.3**	**310.2**	**289.2**	**503.0**	**447.1**	**656.9**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila										
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	11.2	16.1	10.9	10.7	17.0	13.1	24.6	25.4	36.2	105.2
Ilocos Norte	0.8	0.7	0.6	0.3	1.3	0.9	0.9	1.4	2.5	3.6
Ilocos Sur	4.9	5.4	5.4	5.8	5.8	5.3	5.9	5.9	27.0	92.1
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	5.4	10.1	4.9	4.6	10.0	6.9	17.9	18.1	6.8	9.6
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	1.6	8.1	1.5	179.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	1.6	8.1	1.5	3.6
Bulacan	..	..	..	..	..	..	..	..	..	19.8
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	155.3
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	0.3
CALABARZON	13.5	26.9	79.8	..	..	..	..	..	..	0.1
Batangas	13.5	26.9	79.8	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	0.1
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	1.6	2.1	2.1	0.6
Marinduque	..	..	..	..	..	..	1.6	2.1	2.1	0.5
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	0.1	0.0
Bicol Region	..	..	..	..	..	..	..	..	..	0.3
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.2
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	0.0
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	165.4	120.0	154.7	167.2	281.8	274.0	228.7	437.9	379.1	338.9
Aklan	19.1	21.6	27.8	21.9	17.0	32.8	29.5	30.1	27.9	29.7
Antique	1.6	1.8	1.5	1.6	1.6	1.4	1.3	1.2	2.1	5.0
Capiz	5.8	9.7	10.2	8.9	6.0	4.1	3.0	1.6	0.9	1.5
Guimaras	..	..	..	..	..	..	..	2.8	1.7	9.1
Iloilo	37.8	47.6	44.5	41.4	26.2	27.6	15.2	146.3	121.3	195.7
Negros Occidental	101.1	39.3	70.7	93.5	231.1	208.1	179.8	256.0	225.2	97.9
Central Visayas	2.1	3.3	1.8	1.2	1.2	0.1	0.1	..	0.1	0.2
Bohol	..	..	..	..	..	..	..	..	0.1	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	2.1	3.3	1.8	1.2	1.2	0.1	0.1	..	..	0.2
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	56.6	29.9	2.0	2.0	1.1	0.3	0.9	0.3	0.2	4.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	55.4	29.9	2.0	2.0	1.1	0.3	0.5	0.2	..	0.4
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	3.7
Southern Leyte	1.3	..	..	..	..	..	0.4	0.1	0.2	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	0.4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	0.4
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	29.7	27.7	37.3	25.7	13.1	12.8	18.1	17.8	18.8	18.7
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	29.7	27.7	37.3	25.7	13.1	12.8	18.1	17.8	18.8	17.9
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	0.8
Davao Region	0.4	0.4	0.6	0.8	0.8	0.3	..	..	..	0.1
Compostela Valley	0.4	0.4	0.6	0.8	0.8	0.3	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	0.1
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	0.3	0.2	2.4	2.2	9.7	13.6	11.4	9.2	9.3
Agusan del Norte	..	0.3	0.2	0.1	2.2	9.7	13.6	11.4	9.2	6.1
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.1
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	2.2	..	..	..	..	..	3.1
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Endeavor Prawn (Suahe)										
Philippines	**1,015.3**	**991.9**	**863.7**	**709.3**	**781.8**	**759.1**	**819.2**	**748.4**	**676.3**	**633.3**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	117.0	87.8	71.0	88.7	194.2	128.7	120.7	147.0	135.0	90.1
Ilocos Norte	1.7	..	..	1.4	1.7	1.5	1.5	1.6	0.3	0.5
Ilocos Sur	45.7	49.7	49.8	55.0	54.1	62.1	60.8	65.0	48.1	45.5
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	69.6	38.1	21.2	32.2	138.4	65.2	58.4	80.4	86.7	44.1
Cagayan Valley	163.5	174.8	172.9	148.3	114.3	124.5	74.2	61.4	59.2	59.4
Cagayan	163.5	174.8	172.9	148.3	114.3	124.5	74.2	61.4	59.2	59.4
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	1.9	2.8	2.3	3.7	4.4	3.5	0.1	0.4	2.0	94.2
Aurora	0.5	0.3	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	0.1	0.1	..	0.4
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	93.7
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	1.4	2.5	2.3	3.7	4.4	3.5	..	0.3	2.0	0.2
CALABARZON	..	..	..	..	..	..	..	..	..	0.0
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	0.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	5.5	6.4	6.8	6.8	7.6	7.9	13.1	3.5	1.6	1.4
Marinduque	..	..	..	..	..	..	0.1	0.1	..	..
Occidental Mindoro	4.9	5.9	6.2	6.3	7.0	7.5	6.9	3.4	1.6	1.4
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	0.5	0.5	0.6	0.5	0.5	0.3	6.1	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	0.0	..	0.0	13.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	0.0	..	..	0.4
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	0.0	0.0
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	12.7
Western Visayas	672.8	668.9	555.3	399.6	402.3	435.4	542.3	472.5	425.0	326.1
Aklan	75.6	75.5	101.4	98.8	97.2	96.5	84.1	72.3	60.9	50.3
Antique	13.5	15.1	12.7	12.0	13.0	16.1	15.1	19.9	15.8	22.0
Capiz	7.3	10.2	10.3	8.4	6.1	3.8	2.5	2.4	2.0	2.1
Guimaras	1.6	1.5	1.7	1.1	1.5	1.2	2.2	2.2	3.3	1.4
Iloilo	565.1	546.9	411.1	257.2	267.5	301.8	415.5	374.7	339.3	247.9
Negros Occidental	9.7	19.8	18.0	22.1	17.1	16.0	22.8	1.1	3.8	2.4
Central Visayas	2.5	3.0	4.6	4.6	3.7	2.2	1.6	0.2	0.5	0.2
Bohol	..	..	..	..	..	..	0.9	0.2	0.5	0.2
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	2.5	3.0	4.6	4.6	3.7	2.2	0.8	..	..	0.0
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	39.3	32.7	33.9	34.3	33.5	33.5	35.5	33.5	28.2	7.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	1.4	1.7	1.8	1.7	1.6	0.7	1.2	0.2	0.1	0.2
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	38.0	30.9	32.1	32.6	31.9	32.8	34.4	33.2	28.2	4.5
Samar	..	..	..	..	..	..	..	..	..	2.8
Southern Leyte	..	..	..	..	..	..	..	0.0	..	..
Zamboanga Peninsula	1.3	3.9	7.2	7.5	7.1	10.7	15.5	10.0	..	15.1
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	15.1
Zamboanga Sibugay	1.3	3.9	7.2	7.5	7.1	10.7	15.5	10.0	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	0.2	0.7	1.1	11.3	11.8	8.1	11.8	16.0	20.9	20.4
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	6.9	8.5	3.2	5.8	9.3	14.2	13.4
Misamis Occidental	0.2	0.7	1.1	4.5	3.3	4.9	6.0	6.7	6.7	7.1
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.3	0.4	0.6	1.0	0.9	0.6	..	..	0.1	0.4
Compostela Valley	0.3	0.4	0.6	1.0	0.9	0.4	..	..	..	..
Davao del Norte	..	..	..	..	..	0.1	..	..	0.1	0.4
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	11.1	10.5	8.1	3.5	2.0	4.1	4.4	3.9	3.8	5.2
Agusan del Norte	11.1	10.5	8.1	3.5	2.0	4.0	4.4	3.9	3.8	3.8
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	0.6
Surigao del Sur	..	..	..	..	..	0.2	..	..	..	0.7
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Freshwater Crab (Talangka)										
Philippines	**664.9**	**1,024.8**	**850.1**	**763.6**	**850.4**	**922.5**	**711.8**	**635.2**	**917.2**	**936.3**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	1.2	1.3	1.8	5.3	5.5	4.7	4.5	5.2	4.2	8.4
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	1.2	1.3	1.8	5.3	5.5	4.7	4.5	5.2	4.2	8.4
Benguet	..	..	..	..	..	..	0.0	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	130.9	168.1	126.6	119.1	190.8	99.9	132.2	99.4	103.7	90.4
Ilocos Norte	26.7	33.4	28.8	18.3	16.1	12.7	10.7	11.2	11.7	14.1
Ilocos Sur	52.3	58.4	55.6	58.7	59.0	50.4	51.2	33.3	67.0	52.8
La Union	28.6	25.1	22.6	18.9	23.2	12.5	43.5	27.0	11.6	15.1
Pangasinan	23.3	51.2	19.6	23.2	92.5	24.3	26.8	27.9	13.3	8.4
Cagayan Valley	126.0	134.5	178.2	162.5	160.5	119.4	80.5	30.3	41.7	38.7
Cagayan	86.3	92.5	126.5	115.5	111.8	89.9	58.9	14.6	29.0	27.7
Isabela	4.9	4.2	3.6	3.1	3.1	3.5	1.7	1.5	1.4	1.5
Nueva Vizcaya	30.3	33.4	38.0	38.6	40.3	25.7	20.0	14.2	10.8	8.7
Quirino	4.5	4.5	10.1	5.3	5.3	0.4	..	..	0.4	0.8
Central Luzon	32.4	6.6	10.9	13.1	52.6	56.8	106.4	55.9	132.4	248.4
Aurora	6.1	5.0	4.2	4.3	4.2	4.2	3.0	1.4	0.8	..
Bataan	..	..	..	..	..	..	0.0	2.9	3.0	0.1
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	19.4	0.4	..	0.3	..	..	..	..	..	0.3
Pampanga	..	..	..	..	39.2	41.4	95.3	46.4	120.8	238.8
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	7.0	1.1	6.7	8.4	9.1	11.2	8.1	5.2	7.8	9.3
CALABARZON	24.2	237.2	65.5	28.7	15.0	348.1	..	34.1	71.5	51.9
Batangas	24.2	237.2	65.5	28.7	15.0	348.1	..	34.1	71.5	51.9
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	4.4	3.9	5.4	8.2	8.5	7.7	7.2	4.1	2.3	46.7
Marinduque	..	..	..	..	..	..	0.3	0.4	0.3	0.8
Occidental Mindoro	2.4	2.1	2.1	2.3	2.6	2.8	3.5	2.4	0.8	2.5
Oriental Mindoro	..	..	..	..	..	..	..	..	..	43.1
Palawan	0.3	0.6	0.7	0.6	0.4	0.3	1.3	..	..	..
Romblon	1.6	1.2	2.6	5.2	5.5	4.6	2.1	1.3	1.2	0.4
Bicol Region	148.0	117.1	105.0	98.7	80.8	55.6	25.1	123.9	43.3	26.3
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	147.6	116.6	104.3	97.9	79.8	54.9	24.4	123.5	43.1	25.0
Catanduanes	0.4	0.5	0.7	0.8	0.9	0.7	0.7	0.5	0.2	1.4
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	145.5	282.5	210.3	205.0	190.8	140.5	251.4	196.0	421.5	332.0
Aklan	14.4	20.7	2.9	24.6	12.6	17.1	23.0	5.8	..	14.0
Antique	50.3	58.4	69.3	86.4	89.3	67.4	52.8	54.4	49.4	50.0
Capiz	..	..	..	..	1.9	..	0.6	0.4	1.0	1.2
Guimaras	1.4	1.6	1.7	1.2	1.5	1.3	1.0	2.4	2.2	2.0
Iloilo	56.9	163.9	110.1	67.5	60.2	35.1	107.6	130.6	369.0	216.6
Negros Occidental	22.6	37.8	26.3	25.3	25.2	19.6	66.4	2.4	..	48.3
Central Visayas	0.6	1.2	1.3	1.6	2.9	2.1	2.6	2.2	0.3	1.3
Bohol	0.6	1.2	1.3	1.6	2.9	2.1	0.6	0.8	0.3	1.1
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	2.0	1.3	..	0.2
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	21.7	20.0	17.7	17.1	15.2	13.0	12.0	10.4	8.5	15.4
Biliran	0.0	0.0	..	..	..	..	..	0.0	..	..
Eastern Samar	0.9	1.3	1.0	1.4	1.0	..	..	..	0.0	0.7
Leyte	0.1	0.1	..	..	..	..	..	..	..	..
Northern Samar	20.6	18.2	16.7	15.8	14.3	13.0	12.0	10.4	8.2	13.3
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	0.4	..	..	..	..	..	..	0.3	1.4
Zamboanga Peninsula	5.1	5.2	6.3	6.9	5.9	5.3	5.8	6.4	6.0	5.4
Zamboanga del Norte	5.1	5.2	6.3	6.9	5.9	5.3	5.8	6.4	6.0	5.4
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	8.6	22.3	60.5	33.4	70.7	50.7	57.1	46.2	44.2	40.8
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	8.2	13.2	14.1	12.8	12.2	19.6	14.8	15.0	15.0
Misamis Occidental	2.7	3.9	9.3	8.3	7.9	8.5	6.7	3.8	0.8	0.8
Misamis Oriental	5.9	10.2	37.9	11.0	50.0	30.0	30.9	27.6	28.4	25.0
Davao Region	0.4	0.7	0.5	0.6	1.0	0.3	..	5.8	16.2	5.3
Compostela Valley	0.4	0.4	0.5	0.6	0.6	0.3	..	..	..	4.2
Davao del Norte	..	..	..	..	..	..	..	0.2	..	0.0
Davao del Sur	..	..	..	..	..	..	..	..	..	0.8
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	..	0.3	..	..	0.4	..	..	5.6	16.2	0.2
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	3.9	3.6	3.4	3.1	3.1	2.8	2.8	..	..	0.3
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	3.9	3.6	3.4	3.1	3.1	2.8	2.8	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	0.3
Caraga	12.2	20.8	56.8	60.2	47.3	15.8	24.2	15.3	21.5	25.1
Agusan del Norte	3.2	5.7	7.2	6.6	4.6	4.4	19.0	15.3	21.5	15.5
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	4.7	..	..	..
Surigao del Sur	9.0	15.0	49.6	53.6	42.7	11.5	0.5	..	..	9.6
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Freshwater Shrimp (Hipon)										
Philippines	**4,932.6**	**5,071.7**	**5,263.8**	**5,397.8**	**5,410.9**	**5,193.2**	**3,116.6**	**2,964.0**	**3,373.5**	**3,234.1**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	54.0	54.0	60.0	61.7	65.9	71.9	67.4	60.6	50.7	59.0
Abra	32.7	32.4	37.4	36.0	38.6	44.1	36.1	28.0	25.0	28.1
Apayao	2.5	2.6	2.7	4.9	5.0	5.1	5.4	2.8	3.5	4.9
Benguet	..	..	..	..	..	..	0.3	0.1	..	..
Ifugao	1.1	1.0	1.1	1.1	1.1	0.7	1.3	1.4	4.4	4.3
Kalinga	17.7	18.0	18.8	19.8	21.2	21.9	24.5	28.4	17.9	21.7
Mountain Province	..	..	..	..	..	..	..	..	..	0.0
Ilocos Region	63.2	55.5	86.0	57.3	52.9	44.8	46.0	45.2	107.4	61.8
Ilocos Norte	36.9	33.6	63.5	30.7	24.5	19.3	15.5	17.8	17.4	21.8
Ilocos Sur	17.4	16.1	17.2	18.2	16.7	16.2	16.1	16.1	73.6	29.5
La Union	2.2	1.4	1.5	2.0	2.7	1.6	7.9	4.7	2.3	1.0
Pangasinan	6.8	4.4	3.7	6.4	8.9	7.7	6.5	6.7	14.1	9.5
Cagayan Valley	432.5	466.1	469.1	570.1	506.6	378.4	326.1	286.5	272.9	268.8
Cagayan	293.7	312.3	299.6	390.7	347.7	228.3	195.5	185.0	187.5	188.7
Isabela	61.4	70.9	84.2	89.6	69.5	69.2	52.7	44.7	40.6	38.9
Nueva Vizcaya	52.3	57.0	64.9	68.0	66.3	66.6	62.4	47.2	36.9	33.1
Quirino	25.1	25.9	20.4	21.8	23.1	14.3	15.5	9.6	8.0	8.2
Central Luzon	551.1	576.1	643.8	635.6	654.9	632.6	707.7	769.5	816.8	711.2
Aurora	9.3	10.4	10.8	11.7	12.8	12.9	12.6	9.7	9.0	6.5
Bataan	6.2	6.1	6.3	7.2	7.1	6.1	2.5	2.4	3.2	1.0
Bulacan	1.1	10.1	3.6	3.8	9.4	9.5	6.3	0.7	17.7	39.6
Nueva Ecija	74.7	39.3	29.4	27.0	47.4	21.9	6.3	13.3	14.7	10.1
Pampanga	448.9	481.1	560.9	566.2	541.8	562.9	659.0	732.8	765.1	636.7
Tarlac	6.8	16.0	12.8	3.7	24.5	10.5	14.7	4.7	1.5	10.4
Zambales	4.1	13.1	20.1	15.9	11.8	8.8	6.3	5.9	5.7	7.1
CALABARZON	611.6	597.7	602.6	628.0	617.2	580.9	769.5	724.6	724.9	577.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	0.6	0.6	0.5	..	..	..	..	..	..	..
Laguna	540.5	524.3	524.3	547.1	554.7	512.0	504.8	435.4	407.1	396.8
Quezon	..	..	0.0	0.0	0.0	0.1	..	..	0.3	0.3
Rizal	70.6	72.9	77.8	80.8	62.5	68.8	264.7	289.2	317.6	180.1
MIMAROPA	99.3	98.6	100.2	101.0	96.5	98.6	97.4	64.9	73.9	73.8
Marinduque	2.2	2.2	2.7	3.3	3.5	3.8	1.5	0.7	0.8	0.7
Occidental Mindoro	2.4	2.6	1.5	1.6	1.6	1.8	4.3	4.3	3.0	3.4
Oriental Mindoro	92.8	91.7	93.8	93.5	88.6	90.5	89.5	58.5	68.5	68.6
Palawan	0.3	0.5	0.5	0.5	0.5	0.1	0.8	..	0.1	0.4
Romblon	1.6	1.6	1.7	2.1	2.3	2.5	1.3	1.4	1.5	0.6
Bicol Region	152.5	138.4	129.1	109.2	83.1	63.4	101.2	51.0	31.9	109.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	14.2	17.1	23.2	27.2	27.9	28.9	12.5	1.1	0.5	1.5
Camarines Sur	136.2	118.9	103.3	79.0	51.8	30.4	83.7	44.6	22.9	104.9
Catanduanes	1.0	1.2	1.7	1.8	2.1	2.3	2.6	1.4	1.1	0.9
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1.1	1.2	1.0	1.1	1.3	1.8	2.3	4.0	7.4	1.7
Western Visayas	88.6	168.5	264.2	267.4	257.2	319.0	306.2	247.2	579.7	670.0
Aklan	11.5	7.6	0.9	..	10.9	142.4	19.3	8.5	12.6	26.9
Antique	2.9	3.2	3.0	2.6	2.8	2.8	1.5	1.4	2.2	3.0
Capiz	..	..	4.3	18.9	13.7	10.4	6.6	2.7	1.7	5.5
Guimaras	1.4	1.5	1.6	1.6	1.5	1.1	2.0	2.0	1.0	1.0
Iloilo	..	..	..	..	..	..	32.2	22.1	99.0	100.3
Negros Occidental	72.9	156.3	254.5	244.4	228.2	162.3	244.8	210.7	463.2	533.3
Central Visayas	4.5	6.4	2.0	2.0	1.8	1.6	2.8	3.6	3.7	1.8
Bohol	..	..	..	..	..	0.3	0.1	1.0	0.5	0.3
Cebu	1.3	2.4	2.0	2.0	1.8	1.3	0.9	0.6	0.6	0.6
Negros Oriental	3.1	4.0	..	0.0	..	..	1.8	2.0	2.7	0.9
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	49.0	51.0	37.3	37.1	38.0	34.9	34.8	33.6	24.9	13.0
Biliran	..	..	..	..	..	..	..	..	0.4	0.0
Eastern Samar	18.6	8.0	0.4	0.4	..	0.7	0.7	1.4	1.2	0.5
Leyte	0.5	1.2	1.3	1.1	0.8	0.8	1.3	0.5	0.4	0.2
Northern Samar	28.2	32.6	32.4	32.6	32.4	32.1	32.7	31.7	22.7	11.6
Samar	..	9.3	3.1	3.1	4.9	1.3	0.1	..	..	0.4
Southern Leyte	1.6	..	..	..	..	..	..	0.1	0.2	0.3
Zamboanga Peninsula	27.6	49.3	63.4	48.1	49.6	58.0	49.5	44.6	42.3	87.1
Zamboanga del Norte	7.5	9.3	10.1	9.6	9.3	9.1	9.6	10.2	8.8	9.6
Zamboanga del Sur	17.0	20.4	27.1	24.9	27.4	29.8	29.3	31.8	23.9	72.7
Zamboanga Sibugay	3.1	19.6	26.3	13.7	12.9	19.2	10.7	2.7	9.5	4.8
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	105.3	118.5	84.5	77.0	44.1	36.5	107.6	150.5	224.5	257.1
Bukidnon	..	..	..	..	..	..	58.5	100.3	178.2	209.8
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	99.7	115.6	76.3	70.0	38.7	30.6	41.8	42.5	37.8	39.2
Misamis Occidental	1.4	0.7	3.5	3.4	3.7	4.4	4.7	5.5	5.3	5.4
Misamis Oriental	4.2	2.1	4.7	3.6	1.7	1.5	2.7	2.2	3.2	2.7
Davao Region	1.0	0.9	1.0	1.4	1.3	0.5	0.6	1.0	3.9	1.0
Compostela Valley	1.0	0.9	1.0	1.4	1.3	0.5	0.0	..	..	..
Davao del Norte	..	..	..	..	..	..	0.2	0.1	0.4	0.5
Davao del Sur	..	..	..	..	..	..	0.3	0.8	3.2	0.5
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	..	..	..	..	..	..	..	..	0.4	..
City of Davao	..	..	..	..	..	..	0.0	..	..	0.0
SOCCSKSARGEN	203.5	202.6	212.7	192.5	203.5	175.9	123.6	85.6	63.6	46.1
Cotabato	137.2	131.5	139.0	109.3	117.6	101.7	85.4	73.2	60.3	46.1
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	64.0	69.9	72.8	82.4	84.8	73.0	38.2	12.4	3.3	..
South Cotabato	2.3	1.2	0.9	0.9	1.1	1.2	..	..	..	..
Caraga	153.1	166.1	202.2	172.8	231.9	221.9	151.3	148.3	139.7	143.6
Agusan del Norte	137.3	144.0	183.2	151.0	199.8	187.6	132.9	138.0	131.6	133.2
Agusan del Sur	5.2	9.6	6.4	4.9	5.0	10.9	5.1	1.3	2.9	0.7
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	0.1	..	..	..	..	..	..	..
Surigao del Sur	10.6	12.5	12.4	17.0	27.1	23.5	13.3	9.0	5.3	9.7
ARMM	2,336.1	2,322.1	2,305.8	2,436.6	2,506.4	2,474.3	224.9	247.4	212.8	153.4
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	2,251.4	2,233.5	2,228.0	2,372.8	2,436.1	2,378.4	139.2	174.0	140.2	71.8
Maguindanao	84.7	88.6	77.8	63.8	70.2	95.8	85.7	73.3	72.6	81.6
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lobster (Ulang)										
Philippines	**1,400.3**	**1,616.1**	**1,475.2**	**1,664.0**	**1,672.9**	**1,480.4**	**1,296.8**	**1,143.7**	**1,311.0**	**1,106.7**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	23.3	18.5	19.5	16.8	17.7	12.9	21.7	19.1	11.6	45.6
Ilocos Norte	2.5	2.4	3.9	2.3	2.0	2.7	3.3	2.6	1.7	2.4
Ilocos Sur	8.1	4.9	5.1	8.1	11.3	10.1	9.1	7.0	2.5	27.9
La Union	12.7	11.2	10.5	6.3	4.5	0.1	9.3	9.5	7.5	8.7
Pangasinan	..	..	..	..	..	..	..	..	..	6.7
Cagayan Valley	20.5	18.8	15.3	6.1	4.4	5.5	3.2	1.5	1.4	1.5
Cagayan	17.5	17.8	13.8	4.4	2.7	3.2	1.5	..	..	..
Isabela	3.0	1.0	1.5	1.7	1.7	2.2	1.8	1.5	1.4	1.5
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	880.6	1,004.5	946.1	975.4	997.5	989.6	924.7	813.7	863.6	587.5
Aurora	2.2	2.3	2.1	2.2	2.3	2.2	2.2	1.2	0.8	..
Bataan	..	..	..	..	..	..	..	0.4	2.3	0.4
Bulacan	31.8	15.3	2.3	2.4	0.5	1.0	0.2	..	..	47.7
Nueva Ecija	16.2	4.4	..	2.3	1.0	..	..	..	..	..
Pampanga	829.5	982.2	937.6	963.8	988.4	983.5	921.1	812.0	856.2	539.2
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	1.0	0.4	4.1	4.6	5.4	2.9	1.2	0.1	4.2	0.2
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	0.1	0.1	0.1	..	0.0	0.0	0.0	0.0
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	0.1	0.1	0.1	..	0.0	..	..	..
Romblon	..	..	..	..	..	..	..	0.0	0.0	0.0
Bicol Region	..	..	..	..	..	..	..	..	..	1.7
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.0
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	1.7
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	230.8	141.7	124.2	122.0	127.8	144.5	120.5	135.7	143.2	135.5
Aklan	24.5	23.8	15.5	36.4	35.2	52.5	18.5	40.0	59.9	42.7
Antique	62.4	53.0	60.0	61.3	64.0	58.7	59.3	49.4	48.4	60.2
Capiz	5.7	7.0	5.2	..	..	..	..	..	..	..
Guimaras	1.5	1.7	2.0	1.4	1.7	1.4	1.0	2.1	1.8	0.4
Iloilo	132.3	48.9	32.3	11.0	19.4	26.8	38.7	44.1	33.1	17.6
Negros Occidental	4.4	7.4	9.3	11.9	7.5	5.1	3.0	0.1	..	14.6
Central Visayas	0.2	0.3	0.3	0.3	0.2	0.1	0.2	0.6	0.7	1.1
Bohol	..	..	..	0.0	..	..	..	..	..	..
Cebu	0.2	0.3	0.3	0.3	0.2	0.1	..	..	..	..
Negros Oriental	..	..	..	..	0.1	..	0.2	0.6	0.7	1.1
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	37.6	29.4	4.2	4.8	4.9	1.9	0.3	0.0	0.1	0.8
Biliran	..	..	..	..	..	..	..	..	..	0.1
Eastern Samar	37.0	27.8	3.2	3.4	3.4	0.7	..	..	..	0.1
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	0.6	..	..	..	..	..	..	..	..	0.4
Southern Leyte	..	1.6	1.0	1.4	1.5	1.2	0.3	0.0	0.1	0.3
Zamboanga Peninsula	29.9	29.6	35.2	29.9	30.8	27.3	30.0	35.6	28.1	54.5
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	29.9	29.6	35.2	29.9	30.8	27.3	29.6	29.3	23.3	52.5
Zamboanga Sibugay	..	..	..	..	..	..	0.4	6.3	4.8	2.0
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	100.4	296.5	276.2	467.4	451.3	255.7	160.8	104.3	219.7	227.9
Bukidnon	51.7	275.0	261.6	450.7	428.9	241.3	150.9	99.3	215.9	224.7
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	46.7	14.3	7.3	9.5	10.6	..	..	..	..	..
Misamis Occidental	1.1	5.6	5.9	5.4	5.4	6.6	7.1	5.1	3.8	3.3
Misamis Oriental	0.9	1.6	1.4	1.8	6.4	7.8	2.8	..	..	..
Davao Region	1.6	1.8	1.6	3.7	2.0	3.2	3.1	10.6	17.8	4.5
Compostela Valley	1.0	1.1	1.0	1.2	1.2	0.5	0.2	..	..	0.1
Davao del Norte	..	..	0.1	0.0	0.0	0.0	..	0.1	0.0	..
Davao del Sur	0.1	0.1	..	..	..	..	0.3	0.0	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	0.6	0.5	0.4	2.4	0.7	2.7	2.6	10.5	17.7	4.3
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	3.8	3.3	3.8	4.0	3.4	3.1	3.0	..	..	0.1
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	2.4	2.4	2.9	3.2	3.4	3.1	3.0	..	..	..
South Cotabato	1.4	0.9	0.9	0.8	..	..	..	..	..	0.1
Caraga	71.8	71.9	48.6	33.7	32.9	36.7	29.3	22.6	24.8	46.0
Agusan del Norte	47.8	41.5	30.7	17.4	8.2	7.2	10.3	4.3	6.2	4.5
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.3
Surigao del Norte	14.8	17.2	16.7	16.2	24.7	26.2	19.0	18.3	18.6	39.2
Surigao del Sur	9.2	13.2	1.2	..	..	3.2	..	..	..	2.0
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mud Crab (Alimango)										
Philippines	**820.9**	**896.0**	**986.6**	**888.4**	**1,045.9**	**896.8**	**989.2**	**897.8**	**908.8**	**1,512.2**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	0.6	0.6	1.0	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	0.6	0.6	1.0	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	35.7	40.6	44.1	53.0	55.4	41.8	59.6	61.0	41.4	79.7
Ilocos Norte	0.3	0.2	0.2	8.7	11.4	10.1	5.5	3.6	4.9	9.1
Ilocos Sur	17.3	18.8	19.2	22.2	25.7	20.1	20.3	31.9	19.0	56.3
La Union	13.8	9.5	12.4	10.5	10.4	6.6	27.7	19.8	10.6	9.8
Pangasinan	4.3	12.2	12.3	11.6	7.9	4.9	6.1	5.7	6.9	4.5
Cagayan Valley	121.5	139.2	150.7	145.7	147.3	126.9	104.4	91.2	91.1	89.8
Cagayan	120.7	137.1	149.7	140.1	140.0	120.1	99.6	87.1	87.2	86.1
Isabela	0.8	2.0	1.0	5.6	7.3	6.8	4.8	4.1	4.0	3.8
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	7.0	9.9	4.6	4.4	4.4	4.3	69.4	55.2	62.8	409.6
Aurora	5.2	4.1	4.4	4.2	4.4	4.3	4.4	3.3	2.3	1.5
Bataan	..	..	..	..	..	..	4.0	2.7	2.0	4.1
Bulacan	1.7	5.6	0.2	0.2	..	..	..	..	..	12.9
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	56.0	46.8	54.9	388.5
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	0.1	0.3	..	..	..	..	5.1	2.4	3.6	2.6
CALABARZON	..	..	..	..	..	..	..	..	..	0.0
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	0.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	31.7	33.1	35.2	36.0	36.9	39.0	34.9	21.3	5.0	24.0
Marinduque	1.9	2.7	3.7	3.4	2.9	3.2	0.0	..	..	1.2
Occidental Mindoro	27.2	28.5	29.2	30.3	31.8	33.8	31.1	21.3	5.0	6.2
Oriental Mindoro	..	..	..	..	..	..	..	..	..	16.3
Palawan	2.2	1.8	2.1	2.0	2.1	1.9	3.7	..	..	0.1
Romblon	0.4	0.1	0.1	0.2	0.1	0.1	0.0	..	0.0	0.2
Bicol Region	43.8	55.8	64.4	94.4	101.4	111.7	52.9	1.4	1.4	10.2
Albay	..	..	..	..	..	..	..	..	..	1.6
Camarines Norte	43.8	55.8	64.4	94.4	101.4	111.5	52.6	1.4	1.2	0.9
Camarines Sur	..	..	..	..	..	..	..	..	..	7.3
Catanduanes	..	..	..	..	..	0.1	0.3	..	0.2	0.2
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.2
Western Visayas	271.5	305.8	369.5	276.8	436.0	336.3	429.9	503.9	537.7	729.3
Aklan	14.3	14.8	15.2	18.5	32.1	25.3	21.8	21.6	21.6	21.8
Antique	26.1	34.1	38.5	37.8	38.7	44.9	36.6	40.4	41.5	28.7
Capiz	4.6	7.5	8.1	6.4	4.3	2.8	1.9	1.4	0.7	2.1
Guimaras	1.3	1.3	1.4	1.0	1.7	1.5	1.0	2.1	5.5	13.4
Iloilo	215.0	232.6	291.2	197.3	342.9	241.3	340.0	417.1	380.0	154.0
Negros Occidental	10.2	15.5	15.1	15.8	16.3	20.5	28.6	21.3	88.4	509.3
Central Visayas	14.7	14.9	17.6	16.7	23.0	17.5	17.2	9.9	18.9	14.5
Bohol	11.6	12.4	14.2	12.8	18.5	14.4	15.0	8.1	17.1	13.0
Cebu	1.4	1.3	2.1	2.4	3.2	2.5	1.7	1.3	0.8	0.5
Negros Oriental	1.6	1.3	1.3	1.5	1.3	0.6	0.5	0.5	1.0	1.0
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	96.3	68.5	45.2	41.5	33.0	33.7	31.1	27.3	14.6	8.6
Biliran	0.0	0.0	0.0	0.0	0.0	..	..	..	..	..
Eastern Samar	50.6	38.7	17.2	16.0	11.7	11.2	7.0	7.2	3.1	1.7
Leyte	9.0	9.5	7.6	5.0	0.0	..	0.6	0.1	0.1	0.2
Northern Samar	30.8	19.6	19.2	20.0	20.7	21.8	22.7	19.1	10.1	4.4
Samar	4.6	..	..	..	..	..	..	..	..	0.4
Southern Leyte	1.3	0.7	1.3	0.5	0.6	0.6	0.9	0.9	1.4	1.9
Zamboanga Peninsula	11.2	17.9	16.8	15.9	14.6	17.3	24.4	25.2	5.2	4.3
Zamboanga del Norte	5.2	6.4	7.8	6.6	6.3	6.0	5.4	6.3	4.2	3.3
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	6.0	11.6	9.0	9.3	8.3	11.3	19.0	18.9	1.0	1.1
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	43.8	63.3	70.9	52.3	37.5	53.3	40.5	22.1	40.4	42.8
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.1
Lanao del Norte	39.6	55.7	62.0	40.5	28.3	44.1	33.1	15.8	34.2	36.2
Misamis Occidental	2.8	5.1	6.9	10.8	9.2	9.1	7.4	6.2	6.2	6.2
Misamis Oriental	1.4	2.4	2.0	1.0	..	..	..	..	..	0.4
Davao Region	5.1	3.3	2.6	3.5	5.2	3.0	1.5	2.5	1.2	1.2
Compostela Valley	0.6	0.7	0.9	1.0	1.0	0.3	0.1	..	..	..
Davao del Norte	4.4	2.5	1.8	2.5	4.1	2.7	1.2	1.9	1.2	1.2
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	0.2	0.7	..	..
City of Davao	..	..	..	..	..	..	..	..	..	0.1
SOCCSKSARGEN	17.7	15.6	16.0	15.2	14.2	14.4	15.0	2.0	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	17.7	15.6	16.0	15.2	14.2	14.4	15.0	2.0	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	119.6	126.8	147.2	132.4	136.3	97.0	91.0	73.2	88.8	97.8
Agusan del Norte	48.7	70.3	48.7	44.5	31.8	38.3	43.3	46.7	50.1	29.2
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	2.3
Surigao del Norte	48.8	29.9	13.8	14.4	12.9	6.4	20.1	6.9	9.6	7.2
Surigao del Sur	22.2	26.6	84.8	73.6	91.7	52.4	27.5	19.6	29.2	59.2
ARMM	0.8	0.7	0.7	0.6	0.6	0.6	17.6	1.7	0.4	0.5
Basilan	0.8	0.7	0.7	0.6	0.6	0.6	17.6	1.7	0.4	0.5
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tiger Prawn (Sugpo)										
Philippines	**128.7**	**140.9**	**121.7**	**122.9**	**129.7**	**106.7**	**115.0**	**89.4**	**104.0**	**271.4**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	25.1	27.1	23.5	26.6	29.4	23.1	25.6	28.8	37.2	29.0
Ilocos Norte	..	..	..	1.5	3.2	1.4	1.2	1.2	0.6	0.7
Ilocos Sur	19.9	23.8	21.9	23.5	24.3	19.9	20.9	23.7	32.0	23.6
La Union	..	..	..	..	..	..	..	..	..	0.3
Pangasinan	5.2	3.3	1.7	1.6	2.0	1.7	3.5	3.9	4.6	4.4
Cagayan Valley	19.4	16.3	25.0	22.6	23.7	26.3	18.1	12.6	11.9	12.4
Cagayan	19.4	16.3	25.0	22.6	23.7	26.3	18.1	12.6	11.9	12.4
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	2.2	11.6	2.0	2.7	..	..	0.3	0.1	0.6	152.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	2.2	11.6	2.0	2.7	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	151.7
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	0.3	0.1	0.6	0.3
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3.4	3.4	4.5	5.2	5.6	6.3	6.5	3.6	1.0	1.2
Marinduque	..	..	..	..	..	..	0.4	0.1	0.1	..
Occidental Mindoro	3.4	3.4	4.5	5.2	5.6	6.2	6.1	3.5	1.0	0.7
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	0.4
Romblon	..	..	..	..	..	0.1	0.0	..	..	0.1
Bicol Region	..	..	..	..	..	..	..	..	..	2.4
Albay	..	..	..	..	..	..	..	..	..	0.9
Camarines Norte	..	..	..	..	..	..	..	..	..	0.2
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	0.9
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.4
Western Visayas	72.8	78.4	62.0	58.5	66.7	46.5	53.6	37.0	43.1	50.3
Aklan	7.5	9.8	9.7	15.4	33.5	15.3	17.4	12.8	14.2	15.2
Antique	5.8	7.0	6.9	7.7	8.6	9.9	4.4	4.9	9.0	10.4
Capiz	0.4	0.6	1.2	1.4	0.4	0.2	0.1	0.1	0.1	0.0
Guimaras	1.4	1.5	1.8	1.2	1.8	1.4	1.2	1.4	1.8	1.8
Iloilo	50.6	50.9	30.0	19.8	13.4	10.0	13.9	15.4	15.8	19.7
Negros Occidental	7.1	8.7	12.4	12.9	9.0	9.7	16.7	2.4	2.2	3.3
Central Visayas	1.1	1.1	1.6	1.4	0.9	1.0	0.9	0.5	1.0	0.3
Bohol	..	..	..	..	..	0.3	0.3	..	0.0	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	1.1	1.1	1.6	1.4	0.9	0.7	0.6	0.5	1.0	0.3
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	0.1	0.1	0.0	0.0
Biliran	..	..	..	..	..	..	..	0.0	..	..
Eastern Samar	..	..	..	..	..	..	0.0	0.1	0.0	..
Leyte	..	..	..	..	..	..	..	..	..	0.0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	0.0	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	5.5	0.2	..	2.5
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	5.5	0.2	..	2.5
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.4	0.6	0.7	0.7	0.8	0.3	..	0.1	0.1	0.4
Compostela Valley	0.4	0.6	0.7	0.7	0.8	0.3	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.1	0.1	0.4
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.0
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	0.0
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	4.3	2.4	2.3	5.1	2.6	3.1	4.5	6.3	9.1	21.0
Agusan del Norte	4.3	2.4	2.3	2.6	1.7	2.8	4.5	5.2	7.1	3.8
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	2.6	0.9	0.4	..	1.1	2.1	17.2
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White Shrimp (Hipong Puti)										
Philippines	**703.4**	**664.9**	**631.6**	**462.7**	**416.4**	**503.7**	**439.5**	**489.9**	**447.1**	**872.8**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	27.2	22.2	23.1	15.0	15.7	10.5	18.0	36.7	31.2	60.2
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	6.2	7.0	6.0	7.3	6.2	4.1	4.3	27.9	6.6	18.4
La Union	15.6	10.0	13.6	4.3	4.5	2.5	9.9	4.8	4.6	14.3
Pangasinan	5.5	5.3	3.5	3.4	5.0	3.9	3.8	4.0	20.0	27.6
Cagayan Valley	175.1	188.2	209.0	155.9	135.9	152.4	116.7	84.0	81.8	80.5
Cagayan	175.1	188.2	209.0	155.9	135.9	152.4	116.7	84.0	81.8	80.5
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	89.6	9.8	5.5	3.0	..	2.9	23.2	8.0	1.2	172.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	3.5	1.9	0.9	3.5
Bulacan	19.5	9.8	5.5	3.0	..	..	..	..	0.3	10.1
Nueva Ecija	..	..	..	..	..	2.9	7.5	6.2	..	..
Pampanga	70.1	..	..	..	..	..	12.3	..	..	154.7
Tarlac	..	..	..	..	..	..	..	..	..	3.8
Zambales	..	..	..	..	..	..	..	..	..	0.2
CALABARZON	..	..	..	..	..	..	0.0	..	..	0.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	0.2
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	0.0	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	0.8	1.3	1.7	19.4	20.7	10.1	25.5	15.7	3.4	10.8
Marinduque	..	..	..	..	..	..	0.7	2.2	1.6	0.7
Occidental Mindoro	0.4	0.7	0.6	0.7	0.8	0.9	0.6	1.7	1.4	1.4
Oriental Mindoro	..	..	..	17.5	18.7	8.1	..	11.8	0.4	8.0
Palawan	0.4	0.6	1.1	1.2	1.2	1.0	24.2	..	..	0.6
Romblon	..	..	..	..	..	0.1	..	..	..	0.1
Bicol Region	15.1	7.9	6.8	2.9	0.5	0.5	0.6	0.3	0.1	13.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	15.0	7.7	6.5	2.5	..	..	..	..	..	12.5
Catanduanes	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.3	0.1	0.3
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.2
Western Visayas	130.0	176.6	136.0	57.6	58.5	107.6	48.7	158.2	160.7	367.6
Aklan	..	..	..	..	..	..	..	5.2	7.0	7.1
Antique	9.9	10.1	8.8	6.8	7.2	3.7	3.8	6.3	3.6	3.8
Capiz	5.5	10.2	10.6	8.6	5.9	3.5	3.2	2.2	0.9	1.9
Guimaras	1.4	1.3	1.6	1.3	1.3	1.3	1.3	1.9	1.1	8.0
Iloilo	104.0	140.3	100.0	21.4	26.7	25.6	10.2	54.2	148.2	305.5
Negros Occidental	9.3	14.8	15.0	19.5	17.5	73.5	30.1	88.4	..	41.3
Central Visayas	6.1	5.0	4.5	4.4	3.8	4.9	2.1	1.7	1.8	1.6
Bohol	3.7	2.7	2.2	2.1	1.6	3.0	0.8	0.7	1.2	0.8
Cebu	1.8	1.8	1.9	2.2	2.3	2.0	1.2	1.0	0.6	0.8
Negros Oriental	0.5	0.4	0.4	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	18.9	15.3	13.5	8.4	8.1	8.9	9.5	8.9	7.1	3.4
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	7.2	7.0	5.9	..	..	0.3	0.3	0.4	0.0	1.1
Leyte	..	..	..	..	..	..	..	..	..	0.3
Northern Samar	11.1	8.3	7.6	8.4	8.1	8.6	8.9	8.1	7.0	0.9
Samar	..	..	..	..	..	..	..	..	..	1.1
Southern Leyte	0.7	..	..	..	..	..	0.3	0.4	0.1	..
Zamboanga Peninsula	8.1	7.1	8.1	7.7	6.1	7.4	7.4	20.1	19.0	14.3
Zamboanga del Norte	6.7	7.1	8.1	7.7	6.1	7.4	6.7	6.8	2.8	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	1.4	..	..	..	..	..	0.7	13.3	16.2	14.3
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	60.6	49.1	58.4	31.2	18.5	24.9	24.8	26.5	29.3	31.4
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	47.7	36.7	42.6	22.8	14.5	18.7	17.8	19.3	20.3	21.1
Misamis Occidental	1.8	3.6	3.2	4.2	2.7	4.9	4.5	5.5	5.7	5.7
Misamis Oriental	11.1	8.7	12.6	4.2	1.3	1.3	2.4	1.7	3.3	4.5
Davao Region	0.5	0.7	1.0	1.1	0.9	0.5	..	0.5	0.2	..
Compostela Valley	0.5	0.7	1.0	1.1	0.9	0.5	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.5	0.2	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	13.5	14.1	14.3	15.1	15.2	15.5	14.5	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	13.5	14.1	14.3	15.1	15.2	15.5	14.5	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	84.2	96.0	88.5	76.9	66.3	48.0	37.3	41.3	35.7	36.2
Agusan del Norte	30.3	27.4	25.3	20.8	15.9	29.9	37.3	37.3	31.4	28.1
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	54.0	68.6	63.2	56.1	50.4	18.1	..	4.0	4.3	8.1
ARMM	73.6	71.7	61.4	64.3	66.1	109.6	111.2	88.1	75.4	81.3
Basilan	0.7	0.8	0.8	0.7	0.8	0.8	12.2	2.3	0.6	0.7
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	72.9	70.9	60.6	63.6	65.4	108.9	98.9	85.8	74.8	80.7
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other crustaceans										
Philippines	**195.2**	**243.2**	**179.2**	**197.4**	**168.6**	**246.7**	**278.3**	**487.4**	**832.4**	**786.2**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	0.3
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	0.3
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	17.6	7.5	6.3	9.1	9.8	6.1	7.3	19.2	21.0	9.1
Ilocos Norte	..	..	..	..	..	..	..	0.0	..	..
Ilocos Sur	..	..	..	2.5	2.4	1.8	1.9	12.1	5.2	5.1
La Union	6.9	3.6	2.9	2.7	2.9	1.8	2.9	4.4	13.5	1.9
Pangasinan	10.7	3.9	3.4	3.8	4.5	2.5	2.5	2.6	2.3	2.1
Cagayan Valley	16.9	18.8	8.5	2.1	20.0	..	..	..	..	109.8
Cagayan	16.9	18.8	8.5	2.1	20.0	..	..	..	..	109.8
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	0.8	0.6	14.4
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	2.1
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	12.2
Tarlac	..	..	..	..	..	..	..	0.8	0.6	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	227.4	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	227.4	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	4.7	7.6	7.6	2.1	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	4.7	7.6	7.6	2.1	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	0.0	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	0.8
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	0.8
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	60.9	112.9	79.1	95.9	76.5	177.3	225.7	430.2	555.3	627.9
Aklan	22.5	20.1	15.0	12.7	11.2	22.3	25.9	39.6	58.2	54.3
Antique	1.3	4.5	5.3	7.4	7.6	8.2	7.3	6.2	5.1	4.2
Capiz	7.2	8.0	8.2	8.9	4.1	5.9	1.9	2.3	1.0	0.8
Guimaras	1.5	1.7	2.0	1.7	1.7	1.4	1.2	2.3	1.6	..
Iloilo	7.8	..	25.1	3.1	1.5	47.3	19.3	26.2	118.0	538.6
Negros Occidental	20.7	78.6	23.5	62.1	50.4	92.3	170.1	353.6	371.3	30.0
Central Visayas	12.4	11.5	9.5	5.7	5.3	4.7	7.0	6.5	8.4	3.9
Bohol	9.8	9.0	8.1	4.6	4.2	3.2	6.0	4.0	5.0	3.3
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	2.5	2.5	1.5	1.1	1.1	1.5	1.0	2.5	3.4	0.6
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	0.5	..	..	..	2.5	0.9	0.1	0.1	0.1
Biliran	..	..	..	..	..	..	..	..	..	0.1
Eastern Samar	..	..	..	..	..	2.5	0.9	0.1	0.1	0.1
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	0.5	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	1.6	..	0.4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	1.6	..	0.4
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	49.7	44.0	32.9	44.7	18.7	14.3	6.0	3.5	0.4	0.3
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	0.6	0.6	0.5	0.5	0.3	0.3	0.2	0.3	0.4	0.3
Lanao del Norte	49.1	43.5	32.4	44.3	18.5	2.9	5.8	3.2	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	11.2	..	..	..	..
Davao Region	2.4	5.7	1.1	..	0.5	..	..	..	0.6	1.1
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	0.5
Davao del Sur	..	..	..	..	..	..	..	..	0.6	0.6
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	2.4	5.7	1.1	..	0.5	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	14.9	12.0	9.6	9.2	8.5	8.4	7.5	4.0	0.5	0.4
Cotabato	6.3	3.7	1.3	0.9	0.9	0.7	0.4	0.4	0.5	0.4
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	8.6	8.3	8.3	8.4	7.6	7.7	7.1	3.6	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	20.4	30.2	32.3	26.0	21.7	25.9	21.7	21.7	18.1	17.7
Agusan del Norte	12.6	30.1	31.8	24.7	17.1	22.6	19.6	20.1	15.8	12.5
Agusan del Sur	..	0.1	0.5	1.3	4.6	3.3	2.2	1.6	2.3	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	4.3
Surigao del Norte	7.8	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	1.0
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Clams (Kabibi)										
Philippines	**1,273.4**	**1,623.5**	**2,435.4**	**1,828.3**	**1,698.4**	**1,155.5**	**687.3**	**674.5**	**923.4**	**360.2**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	1.7	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	1.7	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	2.6	4.0	13.7	6.7	9.4	5.7	8.2	11.2	12.4	5.4
Ilocos Norte	0.4	1.1	11.4	4.7	7.8	4.5	6.8	9.8	10.7	3.9
Ilocos Sur	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.3	0.6
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	1.8	2.5	1.8	1.7	1.3	1.0	1.2	1.3	1.4	1.0
Cagayan Valley	70.3	50.8	28.0	11.8	12.5	12.8	8.4	10.1	10.2	9.7
Cagayan	64.7	48.8	22.0	11.8	12.5	12.8	8.4	10.1	10.2	9.7
Isabela	5.6	2.0	6.0	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	0.7	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	0.7	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	7.5	..	..	..	..	..	..	..	..	..
Batangas	7.5	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	0.3	0.2	0.3	0.6
Marinduque	..	..	..	..	..	..	0.3	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	0.2	0.3	0.4
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	0.2
Bicol Region	105.2	107.4	116.4	101.0	91.8	71.3	8.0	4.0	55.6	26.0
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.1
Camarines Sur	105.2	107.4	116.4	101.0	91.8	71.0	7.7	4.0	55.6	25.8
Catanduanes	..	..	..	..	..	0.3	0.3	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	830.5	1,226.5	2,076.0	1,549.0	1,441.0	763.1	384.5	422.5	385.8	7.8
Aklan	..	..	..	..	..	..	..	..	..	1.8
Antique	0.7	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.3
Capiz	..	..	8.0	3.4	2.1	0.7	0.9	1.6	2.0	1.8
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	829.7	1,221.1	2,062.5	1,540.5	1,436.8	760.4	382.5	420.5	383.4	3.8
Negros Occidental	0.1	5.1	5.2	4.7	1.6	1.6	0.7	0.1	..	..
Central Visayas	4.5	4.1	4.2	4.0	3.0	9.2	12.3	..	..	..
Bohol	3.9	4.1	4.2	4.0	3.0	9.2	12.2	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	0.6	..	..	..	..	..	0.1	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	111.9	84.7	50.4	51.0	49.3	50.8	50.7	50.0	40.2	42.7
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	55.9	33.1	3.1	3.1	1.0	1.2	0.2	..	..	0.7
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	50.5	42.9	44.6	45.2	45.5	47.0	48.5	49.3	37.8	41.8
Samar	4.1	4.7	..	..	..	..	..	..	..	..
Southern Leyte	1.4	4.0	2.7	2.7	2.9	2.7	2.1	0.6	2.4	0.2
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	0.2
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	0.2
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	0.2	8.6	28.4	26.2	20.9	20.3	18.0	18.5	21.4	20.6
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	0.2	8.6	28.4	26.2	20.9	20.3	18.0	18.5	21.4	20.6
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	3.2
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	3.2
Davao del Sur	..	..	..	..	..	..	..	..	..	0.1
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	5.4	4.4	3.7	3.7	3.9	4.3	4.2	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	4.0	3.7	3.7	3.7	3.9	4.3	4.2	..	..	..
South Cotabato	1.4	0.7	..	..	..	..	..	..	..	..
Caraga	135.4	132.3	114.8	74.9	66.6	218.0	192.7	158.1	395.7	244.1
Agusan del Norte	105.6	107.9	91.0	45.1	27.7	36.9	42.8	28.3	17.2	16.6
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	13.5	9.4	6.5	9.7	11.9	18.2	4.9	4.3	5.1	3.4
Surigao del Sur	16.3	15.1	17.3	20.1	27.1	162.9	145.0	125.4	373.4	224.1
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Freshwater Clams (Tulya)										
Philippines	**3,210.3**	**3,342.3**	**3,231.5**	**3,266.4**	**3,236.4**	**3,567.9**	**3,446.5**	**3,204.9**	**3,687.1**	**3,311.2**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	29.7	29.6	28.2	37.8	39.9	40.8	35.8	35.7	68.8	48.1
Abra	13.1	12.0	8.9	11.9	11.9	11.1	10.8	8.4	14.5	14.7
Apayao	..	..	0.6	5.7	6.0	5.4	5.0	5.4	25.9	7.4
Benguet	4.7	4.8	5.5	6.1	6.5	6.8	1.8	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	11.9	12.8	13.1	14.1	15.5	17.5	18.1	21.9	28.4	26.0
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	62.3	46.7	63.0	50.4	31.3	44.8	23.0	22.0	17.1	15.4
Ilocos Norte	31.9	26.3	21.7	20.4	14.5	11.4	17.2	18.0	12.2	5.0
Ilocos Sur	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	5.2
La Union	24.4	18.3	39.9	28.9	15.2	32.4	4.9	3.0	3.9	2.4
Pangasinan	6.0	2.1	1.3	1.1	1.5	1.0	0.9	0.9	1.1	2.8
Cagayan Valley	742.3	780.6	657.5	703.6	727.7	839.9	900.1	641.0	609.8	606.1
Cagayan	566.8	589.1	502.8	514.3	569.1	704.0	743.6	491.7	476.5	465.0
Isabela	101.9	117.9	81.4	120.1	82.6	84.7	76.3	67.3	63.3	71.2
Nueva Vizcaya	55.1	54.4	54.6	49.3	55.3	36.0	38.9	47.2	35.1	34.4
Quirino	18.5	19.2	18.7	19.9	20.7	15.3	41.3	34.8	34.9	35.5
Central Luzon	487.8	443.8	424.8	329.4	301.5	290.9	281.8	286.9	303.9	127.5
Aurora	12.0	7.8	8.0	8.8	9.7	10.1	10.1	6.6	4.1	2.5
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	76.7	47.1	53.5	51.8	40.6	12.5	0.6	0.5	1.1	0.3
Pampanga	397.4	386.3	360.4	264.7	243.9	262.3	271.1	279.8	298.8	118.6
Tarlac	0.0	0.8	..	..	..	..	..	..	..	2.3
Zambales	1.6	1.9	2.9	4.1	7.2	6.0	..	..	..	3.8
CALABARZON	1,744.4	1,878.3	1,885.2	1,940.9	1,905.8	2,048.9	1,755.7	1,886.2	1,824.6	1,828.3
Batangas	..	..	..	..	..	..	..	10.3	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1,500.4	1,628.2	1,633.7	1,690.2	1,680.6	1,823.1	1,693.7	1,674.5	1,731.4	1,739.6
Quezon	..	..	..	..	..	..	..	..	0.2	0.4
Rizal	244.0	250.1	251.5	250.8	225.1	225.8	62.0	201.3	93.0	88.4
MIMAROPA	..	..	15.4	33.7	38.4	48.2	22.1	68.8	92.5	84.3
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	3.3	3.4	2.0	3.5
Oriental Mindoro	..	..	15.4	33.7	38.4	48.2	18.8	65.4	90.5	80.7
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	0.0	..	0.0	0.1
Bicol Region	0.4	0.6	0.7	0.7	0.9	0.6	0.7	0.4	0.2	22.4
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.1
Camarines Sur	..	..	..	..	..	..	..	..	..	21.9
Catanduanes	0.4	0.6	0.7	0.7	0.9	0.6	0.7	0.4	0.2	0.4
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	0.6	5.8	8.0	8.1	6.1	3.7	200.2	46.1	109.3	164.9
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	0.5	0.4	0.4	0.5	0.6	0.5	0.7	0.7	0.5	0.5
Capiz	..	..	2.5	3.0	2.4	1.1	1.4	2.1	1.5	2.6
Guimaras	..	..	..	..	..	..	..	..	0.5	0.8
Iloilo	..	..	..	..	..	..	197.1	23.6	106.8	159.8
Negros Occidental	0.1	5.4	5.1	4.6	3.2	2.2	1.0	19.7	..	1.3
Central Visayas	2.3	1.2	0.8	0.5	0.2	..	..	0.2	..	0.1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	0.3	..	..	..	..	..	..	..	..	..
Negros Oriental	2.0	1.2	0.8	0.5	0.2	..	..	0.2	..	0.1
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	1.3	7.0	5.8	2.7	1.0	..	..	0.5	0.0	12.3
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	7.0
Leyte	1.3	1.1	0.8	0.2	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	1.0
Samar	..	5.9	4.9	2.5	1.0	..	..	..	..	0.9
Southern Leyte	..	..	..	..	..	..	..	0.5	0.0	3.4
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	0.1
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	0.1
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	2.8	5.3	2.4	1.8	0.4	3.3	1.4	1.3	1.1	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	2.8	5.3	2.4	1.8	0.4	3.3	1.4	1.3	1.1	..
Davao Region	0.6	0.6	0.7	0.5	0.4	0.3	..	..	0.4	2.0
Compostela Valley	0.6	0.6	0.7	0.5	0.4	0.3	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	2.0
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.4	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	53.0	70.6	76.8	86.1	82.0	81.7	60.7	46.1	48.4	60.3
Cotabato	21.1	28.8	31.3	32.9	29.7	27.6	21.2	14.0	7.8	5.9
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	2.1	2.1	2.1	2.0	1.7	1.7	1.7	..	..	..
South Cotabato	29.8	39.7	43.4	51.1	50.6	52.4	37.8	32.0	40.7	54.4
Caraga	82.2	71.2	61.2	69.2	99.8	163.8	164.9	169.8	609.9	300.4
Agusan del Norte	48.2	48.6	45.0	45.2	71.7	79.8	76.4	94.7	124.3	142.8
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	12.5	12.2	8.5	12.5	12.6	15.8	0.9	..	..	..
Surigao del Sur	21.5	10.4	7.8	11.5	15.4	68.2	87.7	75.0	485.6	157.7
ARMM	0.9	1.0	1.1	1.2	1.2	1.3	0.2	..	1.0	39.0
Basilan	0.9	1.0	1.1	1.2	1.2	1.3	0.2	..	1.0	1.0
Lanao del Sur	..	..	..	..	..	..	..	..	..	38.0
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Oyster (Talaba)										
Philippines	**1,282.6**	**1,796.3**	**1,397.2**	**1,764.4**	**1,440.8**	**908.5**	**1,318.7**	**794.9**	**758.7**	**1,823.7**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	29.0	15.2	11.3	11.0	11.0	13.0	8.3	7.2	10.0	47.7
Ilocos Norte	..	..	..	..	..	..	..	..	0.0	0.0
Ilocos Sur	1.6	1.4	1.5	1.4	1.3	0.9	0.9	0.7	4.5	5.5
La Union	1.8	1.2	1.6	1.4	1.9	4.9	0.6	0.1	..	38.0
Pangasinan	25.6	12.6	8.1	8.3	7.8	7.2	6.8	6.4	5.5	4.3
Cagayan Valley	5.8	6.5	6.4	5.8	5.2	6.0	4.8	3.9	3.8	3.4
Cagayan	5.8	6.5	6.4	5.8	5.2	6.0	4.8	3.9	3.8	3.4
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	0.2
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	0.2
CALABARZON	0.1	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	0.1	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	25.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	4.0
Oriental Mindoro	..	..	..	..	..	..	..	..	..	21.2
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	1.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	1.1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	1,175.8	1,692.8	1,297.1	1,671.9	1,350.0	818.5	1,228.5	715.1	674.4	1,676.0
Aklan	20.8	22.3	84.5	74.8	97.9	35.7	6.5	9.5	9.5	19.7
Antique	28.6	29.4	37.9	39.9	38.1	32.6	29.5	32.0	24.5	20.5
Capiz	4.9	8.9	9.3	10.4	9.4	5.6	6.9	6.9	7.5	15.0
Guimaras	..	..	..	..	..	..	..	..	0.9	14.9
Iloilo	1,105.3	1,595.3	1,131.2	1,512.2	1,176.3	724.7	1,114.7	654.5	401.1	900.4
Negros Occidental	16.3	37.0	34.2	34.7	28.4	19.9	70.8	12.2	230.9	705.4
Central Visayas	..	..	..	..	..	..	0.9	4.6	0.1	2.1
Bohol	..	..	..	..	..	..	0.9	4.6	0.1	1.8
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	0.3
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	0.0	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	0.0	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	0.7	11.0	18.2	16.7	20.0	16.5	13.7	12.6	15.2	13.0
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	0.5	9.4	16.3	12.5	15.9	14.5	10.7	10.5	13.1	10.9
Misamis Occidental	0.2	1.6	1.9	4.1	4.2	2.0	3.0	2.1	2.1	2.1
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	1.9
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	1.9
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.4	1.3	1.3	1.2	1.0	1.0	1.1	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	1.4	1.3	1.3	1.2	1.0	1.0	1.1	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	69.8	69.6	63.0	57.8	53.6	53.4	61.5	51.3	55.2	53.1
Agusan del Norte	61.9	58.6	50.8	45.2	40.4	53.4	61.5	48.1	51.9	52.4
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	7.9	11.0	12.3	12.5	13.2	..	..	3.2	3.3	0.7
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Shell (Kuhol)										
Philippines	**370.8**	**339.5**	**361.9**	**390.2**	**379.3**	**346.7**	**244.9**	**185.4**	**149.5**	**260.8**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	..	11.0	51.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	11.0	5.8
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	45.8
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	19.8	11.8	23.9	16.0	14.3	12.0	5.7	4.2	2.4	3.5
Ilocos Norte	2.8	3.0	3.6	3.0	5.9	2.0	3.2	2.3	1.1	1.9
Ilocos Sur	0.6	0.7	0.6	0.5	0.4	0.2	0.4	0.2	0.2	0.2
La Union	16.4	8.2	19.7	12.5	7.9	9.7	2.2	1.6	1.2	1.4
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	141.5	148.4	156.2	171.0	166.3	145.0	117.1	88.5	77.3	77.0
Cagayan	62.0	60.4	69.2	90.5	79.6	69.3	58.7	39.5	33.9	32.2
Isabela	42.4	44.7	43.2	40.8	41.1	42.2	34.7	29.6	27.6	29.4
Nueva Vizcaya	34.2	39.6	40.4	38.5	43.8	32.7	23.2	18.3	14.2	14.4
Quirino	3.0	3.7	3.3	1.3	1.7	0.9	0.5	1.1	1.5	1.0
Central Luzon	2.9	4.4	2.1	2.6	1.1	0.7	..	0.6	..	3.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	1.7	1.5	..	..	..	..	..	0.6	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	1.3	..	..	..	..	..	..	..	1.5
Zambales	1.1	1.6	2.1	2.6	1.1	0.7	..	..	..	1.8
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	0.3	0.3	0.2	0.2	0.2	8.6	13.0	0.3	0.3	0.1
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	0.3	0.3	0.3	0.1
Oriental Mindoro	..	..	..	..	..	8.5	12.7	..	..	..
Palawan	0.3	0.3	0.2	0.2	0.2	0.1	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	49.1	48.9	50.5	42.7	38.8	29.7	..	0.1	0.1	0.2
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	49.1	48.9	50.5	42.7	38.8	29.7	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	0.1	0.1	0.2
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	12.7	15.4	13.0	13.0	12.1	9.7	8.9	14.3	2.6	73.8
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	11.6	12.2	10.6	10.2	10.3	7.8	7.1	8.5	2.6	1.4
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	0.5	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	5.3	..	72.4
Negros Occidental	0.6	3.2	2.4	2.8	1.8	1.9	1.8	0.4	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	..	..	..	..	..	..	..	..	5.4	0.2
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	5.4	0.2
Zamboanga Peninsula	1.6	1.1	1.0	1.3	1.0	0.7	0.7	0.6	0.2	..
Zamboanga del Norte	1.6	1.1	1.0	1.3	1.0	0.7	0.7	0.6	0.2	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	7.5	16.2	16.4	17.9	17.3	22.5	19.8	17.8	22.0	21.6
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	7.5	16.2	15.5	17.0	17.3	22.5	19.8	17.8	22.0	21.4
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	0.8	0.9	..	..	..	..	..	0.2
Davao Region	0.3	1.4	7.7	15.7	8.3	5.9	2.0	..	1.9	7.1
Compostela Valley	0.3	0.3	0.5	0.5	0.1	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	1.9	..	1.4	1.1
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	..	1.1	7.2	15.2	8.3	5.9	0.2	..	0.5	6.0
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	48.2	55.2	63.7	68.8	59.5	49.1	38.5	25.5	14.9	11.5
Cotabato	42.8	51.1	59.6	64.7	55.4	44.9	34.2	22.3	14.9	11.5
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	4.1	4.1	4.2	4.1	4.1	4.2	4.2	3.2	..	..
South Cotabato	1.3	..	..	..	..	..	..	..	..	..
Caraga	87.0	36.3	27.2	41.0	60.6	62.8	39.3	33.6	11.5	10.9
Agusan del Norte	51.1	7.1	4.9	3.7	2.2	1.8	1.5	1.7	4.9	6.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	2.1
Surigao del Norte	35.9	29.2	22.3	37.3	58.4	61.0	37.8	32.0	6.6	1.8
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Snail (Suso)										
Philippines	**53,361.6**	**54,559.0**	**55,210.4**	**55,200.2**	**51,765.4**	**50,834.6**	**47,602.8**	**46,740.9**	**43,240.3**	**39,049.6**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	16.8	17.5	18.4	26.9	29.2	26.9	25.6	30.1	59.3	61.9
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	2.8	2.9	3.1	10.9	11.5	10.2	8.4	6.3	10.5	13.5
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	14.0	14.6	15.2	16.0	17.7	16.8	17.2	23.8	48.8	48.4
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	68.3	48.1	53.3	37.1	31.2	61.2	29.3	25.9	16.8	7.4
Ilocos Norte	43.8	36.2	34.3	23.5	22.4	13.0	20.8	21.0	13.1	2.9
Ilocos Sur	0.7	0.7	0.7	0.7	0.5	0.3	0.3	0.2	0.2	0.2
La Union	17.5	7.8	16.4	11.3	6.5	46.2	6.9	3.4	2.3	3.5
Pangasinan	6.3	3.5	1.9	1.7	1.8	1.6	1.3	1.3	1.2	0.8
Cagayan Valley	139.7	139.7	138.8	153.5	135.3	129.7	117.0	124.4	119.1	115.9
Cagayan	51.2	56.4	62.6	76.8	61.0	74.5	69.8	80.9	80.4	73.2
Isabela	26.4	22.0	18.1	19.7	16.3	20.4	16.4	14.1	13.1	15.9
Nueva Vizcaya	53.8	53.2	52.7	49.9	52.3	30.2	26.3	22.6	18.9	19.1
Quirino	8.3	8.1	5.5	7.1	5.7	4.6	4.6	6.9	6.8	7.7
Central Luzon	131.8	88.9	98.2	75.1	139.8	302.6	352.5	343.4	344.7	157.8
Aurora	12.4	7.1	7.1	7.5	8.3	9.0	8.2	5.0	3.3	2.1
Bataan	3.6	3.7	3.1	3.0	2.5	2.6	..	..	1.3	..
Bulacan	2.9	1.5	..	..	..	..	..	1.5	..	..
Nueva Ecija	110.3	53.4	77.2	56.8	39.8	5.4	7.1	9.9	7.2	2.4
Pampanga	..	..	..	..	79.3	278.2	334.1	325.2	322.5	146.5
Tarlac	1.7	21.6	5.0	1.9	3.1	2.4	3.1	1.9	10.4	4.1
Zambales	1.0	1.6	5.9	5.8	6.8	5.0	..	..	..	2.7
CALABARZON	52,510.8	53,712.0	54,138.4	54,393.7	50,821.4	49,699.6	46,690.4	45,887.9	42,228.7	38,134.4
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	20,995.6	21,820.0	21,876.9	22,189.6	21,621.0	22,317.6	20,550.6	21,038.2	21,493.1	21,330.4
Quezon	..	..	..	..	..	..	..	..	0.0	..
Rizal	31,515.2	31,891.9	32,261.5	32,204.1	29,200.4	27,382.1	26,139.8	24,849.7	20,735.5	16,804.0
MIMAROPA	0.3	1.1	1.1	1.1	1.8	16.7	19.9	35.0	50.9	45.2
Marinduque	..	..	..	..	..	0.6	0.6	0.1	0.1	3.1
Occidental Mindoro	..	..	..	..	..	..	2.0	2.5	2.1	4.7
Oriental Mindoro	..	..	..	..	..	15.6	15.0	31.2	47.6	36.6
Palawan	0.0	0.1	0.1	0.1	0.2	0.1	1.7	..	..	..
Romblon	0.3	1.0	1.0	1.0	1.6	0.3	0.6	1.2	1.1	0.7
Bicol Region	154.4	153.0	156.5	145.5	135.6	109.9	27.4	6.6	7.8	21.8
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.3
Camarines Sur	154.3	152.8	156.1	145.0	134.9	109.1	26.5	6.0	7.5	19.0
Catanduanes	0.2	0.2	0.4	0.5	0.7	0.8	0.9	0.6	0.3	2.6
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	20.1	85.5	347.6	132.3	303.3	200.1	60.0	21.2	139.1	138.5
Aklan	..	..	..	..	..	..	..	..	..	5.9
Antique	14.4	13.9	14.0	12.5	12.7	9.6	5.3	3.5	0.8	0.8
Capiz	3.5	4.2	4.6	4.7	5.2	3.5	1.9	2.6	2.5	6.1
Guimaras	1.9	1.5	0.7	0.3	..	..	..	..	..	15.4
Iloilo	..	62.6	326.1	112.6	284.2	185.9	51.4	14.9	135.8	105.6
Negros Occidental	0.3	3.3	2.3	2.2	1.3	1.1	1.4	0.2	..	4.6
Central Visayas	2.0	3.0	3.1	3.1	4.6	4.4	2.5	2.4	8.4	4.9
Bohol	0.9	1.6	1.5	1.3	1.0	1.6	0.4	0.6	6.9	4.0
Cebu	1.1	1.4	1.5	1.8	3.4	2.7	2.1	1.7	1.5	0.9
Negros Oriental	0.0	0.0	0.1	0.0	0.2	0.0	..	..	..	0.1
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	6.6	5.3	4.4	2.5	0.6	0.7	..	1.8	3.6	6.8
Biliran	..	..	..	..	..	..	..	..	..	0.1
Eastern Samar	4.6	2.5	2.2	2.0	0.6	0.7	..	..	..	..
Leyte	2.0	2.5	2.2	0.5	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	2.6
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	0.3	..	..	..	..	..	1.8	3.6	4.1
Zamboanga Peninsula	1.5	1.1	1.1	1.2	0.9	0.7	0.7	0.6	0.2	25.1
Zamboanga del Norte	1.5	1.1	1.1	1.2	0.9	0.7	0.7	0.6	0.2	1.2
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	23.6
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	0.4
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	59.6	60.4	41.0	39.5	34.6	47.6	39.7	35.7	41.8	42.5
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	50.3	45.8	32.3	28.4	26.9	34.4	30.0	29.5	37.5	38.6
Misamis Occidental	5.0	8.7	6.5	8.3	7.3	13.0	8.6	5.2	3.7	3.2
Misamis Oriental	4.4	5.8	2.2	2.8	0.4	0.2	1.1	1.0	0.6	0.7
Davao Region	1.7	2.8	1.9	3.8	2.0	0.6	1.7	0.9	0.0	7.9
Compostela Valley	..	..	..	..	0.3	..	..	0.9	..	1.6
Davao del Norte	..	..	..	..	..	..	..	..	0.0	..
Davao del Sur	..	..	..	..	..	..	1.7	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.1
Davao Oriental	1.7	2.8	1.9	3.8	1.7	0.6	..	..	..	6.2
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	28.7	39.7	44.3	51.2	43.5	44.6	35.7	41.5	40.9	55.2
Cotabato	21.9	33.3	38.4	44.2	36.6	36.8	25.9	25.1	13.2	9.9
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	5.2	4.9	4.8	5.2	4.8	5.0	5.1	4.2	13.0	27.8
South Cotabato	1.6	1.5	1.1	1.8	2.1	2.9	4.7	12.3	14.6	17.6
Caraga	61.7	34.1	29.0	23.9	16.0	138.1	114.2	100.1	100.6	85.1
Agusan del Norte	53.4	24.7	25.6	19.8	13.9	13.3	10.9	18.1	34.3	54.0
Agusan del Sur	..	..	..	..	..	..	..	..	..	2.2
Dinagat Islands	.	.	.	.	.	.	.	.	.	0.1
Surigao del Norte	..	..	..	..	..	14.0	70.9	50.2	34.9	12.7
Surigao del Sur	8.3	9.4	3.5	4.1	2.1	110.8	32.5	31.8	31.4	16.2
ARMM	157.6	166.8	133.6	109.9	65.7	51.4	86.5	83.3	78.6	139.4
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	56.4
Maguindanao	157.6	166.8	133.6	109.9	65.7	51.4	86.5	83.3	78.6	83.0
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.2
INLAND MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other molluscs										
Philippines	**1,399.2**	**1,544.2**	**1,890.4**	**1,204.2**	**907.9**	**876.9**	**682.0**	**743.4**	**934.0**	**793.7**
NCR	.	.	.	.	.	.	.	.	.	.
Metro Manila	.	.	.	.	.	.	.	.	.	.
CAR	..	..	..	..	..	..	..	3.2	33.8	2.8
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	3.2	33.8	2.8
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	209.6	177.3	228.6	128.0	105.6	70.7	49.1	39.0	26.8	29.6
Ilocos Norte	104.6	91.1	92.4	37.8	37.6	25.5	13.5	14.1	7.5	15.0
Ilocos Sur	59.8	58.7	59.9	50.9	44.6	28.4	28.7	21.2	16.3	11.5
La Union	34.8	24.2	74.0	37.2	21.7	15.6	5.6	2.4	1.8	2.0
Pangasinan	10.5	3.3	2.3	2.1	1.7	1.3	1.3	1.2	1.3	1.1
Cagayan Valley	434.7	529.9	542.1	605.8	491.3	459.5	375.2	371.7	379.3	321.8
Cagayan	427.7	520.3	536.0	598.0	485.3	450.7	368.8	365.7	373.5	314.7
Isabela	3.3	6.1	2.3	4.1	1.6	4.9	2.4	2.6	2.4	3.6
Nueva Vizcaya	3.7	3.5	3.8	3.8	4.3	4.0	4.0	3.4	3.4	3.5
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	11.3	8.0	7.5	7.8	8.2	8.3	7.6	2.0	1.1	1.1
Aurora	11.3	8.0	7.5	7.8	8.2	8.3	7.6	2.0	1.1	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	1.1
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	0.1	72.9	101.4	95.2
Marinduque	..	..	..	..	..	..	0.1	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	72.9	101.4	95.2
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	0.1	..	..	..	..	..	..	..	..	1.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.3
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	0.1	..	..	..	..	..	..	..	..	0.8
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	594.6	647.4	956.3	316.1	169.2	198.5	89.8	94.2	244.6	190.9
Aklan	12.5	16.0	18.3	23.5	56.0	39.5	55.4	62.1	41.2	27.8
Antique	2.8	2.3	2.3	2.2	2.5	2.7	3.8	2.4	1.7	1.5
Capiz	4.1	7.6	7.9	5.8	5.2	2.8	3.3	3.3	1.2	3.9
Guimaras	3.4	4.4	6.4	5.1	2.0	2.0	2.4	1.8	2.1	5.6
Iloilo	571.1	614.1	917.6	275.6	99.2	148.8	19.3	2.6	..	124.6
Negros Occidental	0.7	3.1	3.9	3.9	4.4	2.7	5.7	22.0	198.5	27.5
Central Visayas	33.3	32.2	35.2	41.2	63.7	56.9	47.6	52.1	45.7	25.5
Bohol	12.5	12.3	11.1	8.0	4.7	3.0	5.7	19.2	20.2	14.8
Cebu	12.1	15.1	21.2	31.5	58.0	53.6	41.9	32.9	25.6	10.8
Negros Oriental	8.7	4.8	2.9	1.8	1.1	0.3	..	..	..	..
Siquijor	.	.	.	.	.	.	..	.	.	.
Eastern Visayas	0.0	0.1	..	..	..	..	..	0.1	..	3.1
Biliran	..	..	..	..	..	..	..	..	..	0.1
Eastern Samar	..	..	..	..	..	..	..	0.1	..	0.1
Leyte	0.0	0.1	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	2.9
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	.	.	.	.	.	.	.	.	.	.
Nothern Mindanao	59.5	58.5	45.9	39.0	21.8	31.3	32.2	32.8	30.5	30.2
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	51.3	53.2	43.1	35.8	17.5	28.4	31.4	31.6	30.5	28.8
Misamis Occidental	..	..	..	..	3.8	2.8	0.3	0.9	..	..
Misamis Oriental	8.1	5.3	2.8	3.2	0.6	0.1	0.5	0.3	..	1.5
Davao Region	17.4	29.6	23.1	20.9	5.4	..	6.2	20.1	17.5	17.3
Compostela Valley	..	..	0.1	..	0.4	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.2	0.4	12.3
Davao del Sur	..	26.3	17.5	20.9	5.0	..	6.2	19.9	17.1	4.8
Davao Occidental	.	.	.	.	.	.	.	.	.	0.2
Davao Oriental	17.4	3.3	5.6	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	8.6	7.7	7.0	5.5	5.1	5.3	5.2	3.7	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	.	.	.	.	.	.	.	.	.	.
Sultan Kudarat	6.7	6.0	5.6	5.5	5.1	5.3	5.2	3.7	..	..
South Cotabato	1.9	1.7	1.5	..	..	..	..	..	..	..
Caraga	30.2	53.7	44.7	39.8	37.6	46.3	69.2	51.8	53.1	75.1
Agusan del Norte	30.2	53.7	44.7	39.8	37.6	46.3	44.5	47.4	27.8	31.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	.	.	.	.	.	.	.	.	.	2.3
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	24.7	4.4	25.3	40.8
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	.	.	.	.	.	.	.	.	.	.
Tawi-tawi	.	.	.	.	.	.	.	.	.	.

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Acetes (Alamang)										
Philippines	**8,737.1**	**10,931.2**	**10,246.0**	**8,018.9**	**11,798.2**	**10,834.6**	**6,546.5**	**8,379.0**	**8,965.5**	**8,068.0**
NCR	118.1	188.0	276.2	170.8	174.8	169.8	283.6	490.9	412.4	575.9
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	195.2	219.3	296.7	404.6	475.1	480.8	336.6	311.9	194.4	169.3
Ilocos Norte	1.9	2.3	3.3	2.7	2.4	1.6	1.6	1.9	0.2	0.2
Ilocos Sur	90.6	114.4	242.5	289.3	343.5	369.0	236.3	199.8	156.1	113.2
La Union	8.7	26.4	16.8	34.6	25.8	9.6	5.8	5.8	4.8	28.7
Pangasinan	94.0	76.1	34.1	78.0	103.4	100.6	92.8	104.4	33.3	27.3
Cagayan Valley	1,104.3	1,484.9	1,775.7	1,278.9	1,295.1	911.7	680.2	1,103.5	663.0	158.5
Cagayan	1,102.3	1,483.9	1,774.4	1,277.7	1,293.8	910.4	678.5	1,102.0	661.6	156.9
Isabela	2.1	1.0	1.3	1.2	1.3	1.3	1.6	1.5	1.4	1.7
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	712.0	659.5	754.2	803.5	758.1	685.5	650.3	1,475.6	3,558.5	3,471.3
Aurora	6.4	5.2	3.6	3.9	4.1	3.9	3.2	1.7	1.3	0.9
Bataan	100.5	101.1	137.1	132.2	134.7	144.8	153.5	1,102.9	3,137.7	2,879.7
Bulacan	108.6	88.3	103.5	92.3	92.2	54.8	140.5	108.4	71.7	298.3
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	4.3	3.4	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	496.5	465.0	510.0	575.0	527.1	482.0	348.8	259.2	347.8	292.4
CALABARZON	65.3	113.4	41.2	38.0	3,802.1	3,203.3	146.4	105.5	82.2	128.6
Batangas	17.1	21.4	20.9	10.6	9.9	10.3	7.6	8.4	8.3	9.2
Cavite	45.9	90.8	17.5	27.1	67.5	62.7	49.2	96.6	73.0	119.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	2.4	1.1	2.8	0.3	3,724.7	3,130.3	89.6	0.5	1.0	..
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	18.4	6.4	21.9	38.8	45.5	30.3	36.9	17.3	40.4	54.6
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	2.8	2.6	2.2	2.6	2.6	2.6	2.6	2.8	4.0	4.1
Oriental Mindoro	..	..	..	..	0.2	0.3	15.3	..	..	8.2
Palawan	15.6	3.9	19.7	36.1	42.8	27.4	18.9	14.5	36.4	42.4
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	1,803.9	1,716.6	1,943.3	1,811.1	1,745.7	1,683.2	1,237.4	1,795.9	1,660.2	1,088.1
Albay	..	..	..	..	..	79.1	83.8	86.1	85.2	77.2
Camarines Norte	0.6	0.5	1.1	1.4	1.9	40.0	37.7	690.9	488.2	58.0
Camarines Sur	1,801.7	1,714.3	1,936.6	1,800.6	1,737.6	1,563.5	1,107.5	1,012.8	1,074.1	952.6
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1.7	1.8	5.7	9.1	6.3	0.5	8.5	6.1	12.7	0.3
Western Visayas	2,054.0	3,291.8	3,328.6	2,003.0	2,352.0	2,333.8	1,354.7	1,394.0	1,017.9	1,054.8
Aklan	178.3	148.9	159.0	153.1	218.9	269.9	248.7	264.7	180.9	136.1
Antique	2.6	3.5	7.1	6.8	8.1	6.5	5.9	4.3	2.4	2.2
Capiz	52.1	58.0	43.8	35.9	24.7	27.2	26.4	16.9	13.4	25.7
Guimaras	104.2	121.7	40.2	15.6	15.9	18.5	15.1	24.2	24.9	26.5
Iloilo	1,659.3	2,882.9	2,793.3	1,672.5	1,817.9	1,939.8	902.6	916.7	479.2	403.3
Negros Occidental	57.5	76.9	285.1	119.1	266.6	71.9	156.0	167.2	317.3	461.2
Central Visayas	75.8	80.3	70.8	97.6	130.0	186.8	247.4	286.1	220.7	408.2
Bohol	1.0	0.8	1.1	1.1	1.1	1.2	3.9	2.6	11.4	16.1
Cebu	56.5	63.4	57.4	94.9	106.9	178.2	237.3	257.5	205.0	378.9
Negros Oriental	18.3	16.0	12.4	1.6	22.1	7.4	6.1	26.0	1.2	13.3
Siquijor	..	..	..	..	..	..	..	..	3.0	..
Eastern Visayas	1,092.0	1,014.8	714.2	478.3	87.4	196.4	214.1	147.6	58.8	130.9
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	1.4	2.2	2.5	10.2	24.2	22.0	0.5	1.3
Leyte	..	..	..	..	..	..	5.7	..	7.1	14.6
Northern Samar	..	..	..	..	..	..	..	..	2.6	69.3
Samar	1,085.9	1,009.9	712.4	475.9	84.8	186.2	184.2	125.1	48.6	45.6
Southern Leyte	6.1	4.9	0.4	0.2	..	..	0.0	0.6	..	..
Zamboanga Peninsula	417.5	1,341.7	276.8	178.2	128.1	113.3	595.0	465.6	457.8	380.9
Zamboanga del Norte	23.2	15.2	16.5	13.7	13.2	10.2	10.1	8.8	8.4	8.7
Zamboanga del Sur	..	..	..	..	..	..	13.6	14.3	21.4	9.4
Zamboanga Sibugay	394.3	1,326.5	260.3	164.4	111.3	100.4	569.2	442.6	428.0	362.8
City of Zamboanga	..	..	..	..	3.6	2.8	2.1	..	..	..
Nothern Mindanao	323.3	201.1	215.4	197.3	319.8	401.3	315.8	321.4	320.7	281.8
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	95.4	79.4	70.7	63.8	78.1	121.8	165.2	178.8	176.8	177.8
Misamis Occidental	99.4	83.9	62.3	63.3	54.0	70.0	95.7	97.2	95.9	93.9
Misamis Oriental	128.5	37.8	82.3	70.2	187.7	209.5	55.0	45.5	48.0	10.2
Davao Region	103.9	90.5	31.3	23.5	29.6	76.5	168.2	235.2	87.4	14.6
Compostela Valley	41.5	37.7	..	13.4	26.4	24.6	3.1	1.4	..	..
Davao del Norte	27.5	27.8	4.3	3.2	3.1	23.5	10.5	11.1	4.1	1.4
Davao del Sur	..	..	1.4	..	..	..	149.7	222.7	83.3	..
Davao Occidental	.	.	.	.	.	.	.	.	.	13.2
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	34.9	24.9	25.6	6.9	..	28.5	4.9	..	..	..
SOCCSKSARGEN	127.3	164.6	234.7	218.1	220.9	139.0	80.8	82.6	73.5	16.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	19.4	21.4	17.4	15.1	23.8	20.5	10.0	..	10.7	4.5
Sultan Kudarat	..	..	..	..	..	..	..	..	..	0.8
South Cotabato	107.9	143.2	217.3	203.0	197.2	118.6	70.8	82.6	62.8	10.9
Caraga	213.8	142.9	114.3	122.2	94.4	93.8	66.7	28.9	36.1	26.8
Agusan del Norte	1.2	12.7	9.5	4.6	5.8	3.4	3.9	3.6	2.4	2.4
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	212.6	130.2	104.8	117.7	88.6	90.4	62.9	25.3	33.7	24.4
ARMM	312.5	215.4	150.8	155.2	139.6	129.2	132.4	116.9	81.4	107.4
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	10.4	6.0	6.8	..	..	..	..	..	..	..
Sulu	16.4	15.9	7.1	6.7	6.7	6.5	5.6	5.4	5.1	5.1
Tawi-tawi	285.7	193.4	137.0	148.5	132.9	122.7	126.8	111.5	76.3	102.3

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Anchovies (Dilis)										
Philippines	**52,604.8**	**48,827.0**	**44,014.8**	**44,744.8**	**47,694.8**	**43,392.8**	**37,240.3**	**33,536.2**	**34,220.7**	**29,368.2**
NCR	231.0	208.5	71.7	106.6	212.7	360.7	402.6	542.0	411.3	370.7
Metro Manila	231.0	208.5	71.7	106.6	212.7	360.7	402.6	542.0	411.3	370.7
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	456.7	350.5	217.6	409.2	705.9	440.9	379.1	408.6	520.5	425.4
Ilocos Norte	206.7	116.8	145.8	334.2	543.1	249.1	229.2	270.7	295.2	167.5
Ilocos Sur	122.7	124.3	61.9	61.2	140.8	169.9	130.9	118.6	144.3	219.7
La Union	125.5	106.5	8.3	10.3	11.0	11.4	8.3	8.3	3.6	15.2
Pangasinan	1.8	3.0	1.5	3.5	11.0	10.6	10.7	10.9	77.5	23.0
Cagayan Valley	3,006.2	2,676.2	2,376.6	2,802.2	3,145.9	3,131.6	2,645.6	2,321.5	2,411.1	2,437.3
Cagayan	2,984.1	2,656.9	2,359.4	2,785.1	3,128.0	3,111.1	2,626.7	2,303.1	2,393.3	2,419.1
Isabela	22.2	15.0	17.3	17.2	17.0	16.5	18.5	18.0	17.5	17.8
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	557.4	675.0	615.1	594.8	667.2	479.9	608.8	858.1	1,414.2	1,643.1
Aurora	24.0	20.1	9.9	8.9	8.9	8.5	6.3	4.1	3.2	2.7
Bataan	77.4	83.4	99.3	99.7	102.7	105.6	244.8	85.8	489.2	395.9
Bulacan	12.4	4.2	0.7	..	..	..	43.4	27.8	22.3	124.5
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	136.6	137.5	125.4	126.6	131.0	115.1	108.5	100.7	101.5	114.2
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	307.0	429.7	379.9	359.5	424.7	250.7	205.9	639.7	797.9	1,005.8
CALABARZON	662.1	293.6	447.9	494.8	386.5	386.0	268.2	285.4	171.0	137.1
Batangas	125.0	102.7	171.8	126.7	71.2	40.9	51.1	31.5	25.1	22.1
Cavite	5.5	6.2	4.9	9.7	8.9	22.0	45.5	149.9	102.6	85.7
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	531.6	184.7	271.2	358.4	306.4	323.1	171.6	104.0	43.3	29.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	6,092.9	5,602.6	5,176.7	4,806.2	5,924.3	5,409.3	4,502.1	4,864.2	4,397.1	3,215.2
Marinduque	148.6	166.4	150.3	145.8	134.8	141.3	189.0	177.5	155.8	17.1
Occidental Mindoro	219.8	212.1	215.0	222.1	229.2	235.6	193.5	191.0	122.5	110.1
Oriental Mindoro	359.1	352.8	387.3	398.4	436.8	475.3	402.6	390.5	366.3	159.2
Palawan	4,710.1	3,827.9	2,861.5	2,983.6	3,212.9	2,619.6	1,792.1	2,271.0	1,769.2	1,530.9
Romblon	655.4	1,043.5	1,562.6	1,056.2	1,910.6	1,937.5	1,924.9	1,834.3	1,983.2	1,398.0
Bicol Region	11,786.7	11,730.5	12,754.9	13,596.2	13,808.0	11,928.0	10,125.5	8,204.3	6,589.0	5,703.3
Albay	948.2	898.6	838.7	910.8	961.7	872.3	849.0	882.7	814.2	873.9
Camarines Norte	1,181.1	1,179.5	1,480.0	1,614.0	1,644.4	641.4	583.6	547.3	476.8	294.4
Camarines Sur	6,195.6	6,347.8	6,376.1	6,245.6	6,117.7	5,955.6	4,864.1	3,380.8	2,835.3	2,278.2
Catanduanes	292.5	322.0	319.1	341.2	308.3	265.5	210.3	197.5	179.0	133.5
Masbate	2,931.0	2,767.6	3,353.9	3,945.6	4,249.5	3,632.7	3,163.5	2,815.5	1,753.9	1,833.7
Sorsogon	238.4	214.9	387.1	539.1	526.6	560.6	455.0	380.5	529.9	289.7
Western Visayas	10,017.0	9,397.9	6,866.8	6,981.8	7,148.1	6,515.4	4,812.4	4,058.2	3,694.1	2,441.9
Aklan	443.2	395.2	386.2	389.6	447.2	517.5	501.0	483.2	501.9	434.2
Antique	81.1	50.3	143.1	295.0	310.9	240.1	218.9	226.1	185.8	128.3
Capiz	4,606.3	4,265.7	3,591.9	3,265.6	3,461.2	3,092.9	2,045.4	1,112.6	616.4	571.2
Guimaras	220.3	388.5	367.5	202.7	182.6	273.2	546.7	489.4	534.7	609.8
Iloilo	3,371.9	3,094.2	1,751.0	1,912.7	2,049.4	1,726.0	1,078.1	1,159.1	1,450.3	574.9
Negros Occidental	1,294.3	1,204.1	627.1	916.1	696.9	665.9	422.3	587.9	405.0	123.5
Central Visayas	1,850.3	1,719.2	1,425.6	1,430.9	1,979.2	1,986.4	2,041.0	1,747.7	1,682.5	2,097.3
Bohol	1,132.1	978.6	857.7	868.4	1,664.1	1,605.2	1,580.8	1,143.1	988.7	1,010.0
Cebu	560.9	569.9	415.9	413.3	171.6	208.0	278.1	357.1	490.5	779.7
Negros Oriental	95.1	96.1	94.1	96.5	92.3	123.5	132.6	202.7	151.1	243.8
Siquijor	62.3	74.6	57.9	52.7	51.2	49.6	49.5	44.8	52.2	63.8
Eastern Visayas	4,408.3	4,373.4	3,488.0	2,698.0	2,456.5	2,548.8	2,269.0	2,150.6	2,069.1	3,269.2
Biliran	194.0	207.6	202.0	363.5	445.0	414.8	206.9	69.2	85.1	149.2
Eastern Samar	116.8	92.1	28.8	14.9	1.6	3.6	12.9	33.5	14.9	30.5
Leyte	2,514.0	2,637.8	1,887.6	816.2	748.7	788.1	562.6	290.0	302.2	1,051.9
Northern Samar	599.1	615.8	662.0	698.8	720.8	745.5	802.0	731.6	675.3	636.1
Samar	823.9	593.0	549.7	538.0	246.7	292.5	426.6	793.1	634.7	880.3
Southern Leyte	160.5	227.1	157.8	266.6	293.7	304.3	258.0	233.3	357.0	521.2
Zamboanga Peninsula	3,769.7	3,312.9	2,195.4	2,978.3	3,519.9	3,077.2	3,035.6	1,925.0	2,829.2	2,747.5
Zamboanga del Norte	1,207.8	1,127.5	335.5	792.2	1,342.8	753.4	738.3	461.6	607.4	686.7
Zamboanga del Sur	410.5	424.1	426.3	443.7	471.4	500.0	462.2	411.6	1,008.7	874.4
Zamboanga Sibugay	1,979.2	1,613.7	1,289.6	1,557.1	1,405.8	1,529.9	1,638.7	893.5	1,072.5	1,008.6
City of Zamboanga	172.2	147.5	144.0	185.4	299.9	294.0	196.5	158.3	140.6	177.9
Nothern Mindanao	1,137.9	912.6	1,083.5	1,235.4	1,612.4	1,284.5	1,458.1	1,371.8	1,361.7	1,254.0
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	40.7	30.4	32.5	38.9	39.6	53.0	135.1	80.9	72.6	88.9
Lanao del Norte	412.3	439.4	276.1	391.6	338.4	400.9	393.6	366.7	377.5	393.9
Misamis Occidental	461.6	317.2	651.2	619.0	566.2	581.7	601.0	652.6	635.2	633.4
Misamis Oriental	223.3	125.6	123.6	185.9	668.2	248.9	328.5	271.6	276.5	137.8
Davao Region	1,477.7	1,074.8	1,295.3	1,263.7	1,301.6	1,664.9	1,041.2	838.8	2,102.0	284.1
Compostela Valley	65.2	66.9	82.4	110.9	132.8	106.6	94.9	48.0	28.6	34.3
Davao del Norte	47.6	20.3	64.2	62.3	39.6	20.6	23.6	38.8	24.9	31.1
Davao del Sur	354.7	302.4	527.2	772.1	504.0	434.4	443.2	208.1	9.0	4.8
Davao Occidental	.	.	.	.	.	.	.	.	.	202.2
Davao Oriental	1,005.2	681.7	602.1	299.8	601.6	1,089.4	449.1	537.9	2,030.2	10.9
City of Davao	5.0	3.5	19.4	18.7	23.7	13.8	30.5	6.0	9.2	0.8
SOCCSKSARGEN	562.2	746.9	948.0	675.0	853.8	320.5	217.4	395.4	839.5	158.1
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	431.9	612.6	796.0	557.9	719.6	261.4	76.8	47.2	95.3	84.3
Sultan Kudarat	39.2	41.3	36.8	32.4	19.2	30.3	31.3	25.8	122.0	17.3
South Cotabato	91.1	93.0	115.2	84.7	115.0	28.8	109.3	322.4	622.2	56.5
Caraga	4,614.1	3,658.4	2,963.2	1,889.5	1,460.0	1,538.4	1,287.2	1,298.3	1,666.3	1,133.2
Agusan del Norte	31.6	49.9	26.4	11.6	12.9	10.0	12.6	16.1	13.3	12.4
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	177.8	185.0	207.4	228.1
Surigao del Norte	4,303.0	3,394.4	2,763.9	1,682.9	1,338.3	1,309.8	810.1	684.4	652.5	573.1
Surigao del Sur	279.5	214.1	173.0	195.0	108.9	218.7	286.7	412.9	793.2	319.6
ARMM	1,974.4	2,094.0	2,088.7	2,782.2	2,513.0	2,320.4	2,146.6	2,266.4	2,062.2	2,051.0
Basilan	177.4	183.9	185.5	172.3	173.9	184.7	53.3	100.5	31.6	33.5
Lanao del Sur	866.8	858.4	858.7	1,554.1	1,309.9	1,118.8	1,093.9	1,107.6	938.0	908.6
Maguindanao	303.2	419.7	439.0	436.7	440.2	444.5	474.9	544.5	625.6	632.6
Sulu	487.8	482.8	472.0	457.2	445.5	417.9	372.0	353.7	333.2	320.9
Tawi-tawi	139.2	149.1	133.6	161.9	143.5	154.5	152.5	160.2	133.8	155.3

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Big-eyed Scad (Matangbaka)										
Philippines	**76,879.4**	**76,516.8**	**72,058.9**	**69,944.3**	**71,551.8**	**73,752.9**	**66,586.7**	**67,430.3**	**69,556.0**	**69,487.2**
NCR	3.8	39.2	1.5	3.4	2.2	9.2	68.5	222.5	187.3	200.7
Metro Manila	3.8	39.2	1.5	3.4	2.2	9.2	68.5	222.5	187.3	200.7
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	682.6	735.2	1,312.1	920.9	727.5	493.8	325.7	341.4	477.5	670.5
Ilocos Norte	529.6	553.0	682.0	646.8	461.4	243.1	192.7	204.7	195.2	427.8
Ilocos Sur	85.3	72.3	117.6	90.8	54.2	48.5	40.4	22.8	22.9	31.6
La Union	45.0	52.4	428.8	148.4	165.7	150.4	48.1	67.0	60.8	61.0
Pangasinan	22.8	57.6	83.6	34.9	46.2	51.8	44.5	47.0	198.7	150.1
Cagayan Valley	640.9	630.3	403.9	352.7	422.0	404.9	458.9	405.9	376.6	358.3
Cagayan	600.0	592.2	365.2	315.4	373.7	356.0	405.3	354.3	327.4	307.8
Isabela	41.0	38.1	38.7	37.4	48.3	46.0	51.2	49.1	46.7	48.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	560.5	466.7	461.7	472.2	496.3	464.0	433.9	785.1	669.9	791.8
Aurora	101.2	98.6	109.0	112.9	117.7	119.7	109.0	101.0	89.4	85.6
Bataan	197.4	179.8	193.2	194.1	200.6	204.3	157.5	324.6	88.2	206.9
Bulacan	..	..	..	..	..	..	..	7.4	..	0.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	67.1	67.9	76.0	85.9	91.3	89.4	102.5	106.7	112.9	121.3
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	194.8	120.4	83.5	79.3	86.8	50.7	64.9	245.6	379.3	377.9
CALABARZON	1,332.6	915.2	1,074.7	1,136.2	1,200.5	999.1	668.8	738.4	638.2	989.8
Batangas	824.4	695.2	597.4	566.2	507.5	511.0	490.9	464.5	368.2	348.3
Cavite	1.1	0.4	4.1	..	17.1	24.0	46.2	107.6	101.9	87.0
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	507.1	219.6	473.2	570.0	676.0	464.2	131.7	166.3	168.0	554.5
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	14,236.2	11,455.6	9,784.7	9,174.9	9,250.9	10,115.1	8,399.7	6,545.4	9,123.7	7,702.4
Marinduque	111.8	89.3	87.4	91.7	81.1	84.1	93.5	104.1	169.5	352.6
Occidental Mindoro	216.2	206.1	210.2	209.5	217.8	224.1	220.3	213.0	182.3	213.0
Oriental Mindoro	264.2	254.1	252.8	283.3	280.7	236.4	238.7	233.5	271.6	233.7
Palawan	13,220.0	10,392.4	8,640.8	7,815.0	7,936.1	8,903.6	7,194.9	5,543.3	8,060.2	6,451.0
Romblon	424.1	513.8	593.5	775.5	735.2	666.8	652.3	451.6	440.0	452.2
Bicol Region	3,840.6	3,879.5	3,662.3	4,842.3	5,153.1	6,113.0	6,424.0	6,663.2	6,911.6	7,698.1
Albay	335.7	441.7	482.2	510.1	529.4	479.7	477.5	540.0	518.0	498.7
Camarines Norte	1,507.4	1,471.3	901.4	1,076.7	1,077.3	2,360.4	2,111.1	1,364.6	1,183.4	656.8
Camarines Sur	702.1	709.5	787.6	807.1	812.9	775.6	734.3	649.6	590.2	526.5
Catanduanes	466.4	465.7	357.7	344.9	292.6	251.9	223.4	205.1	177.1	168.4
Masbate	779.6	751.5	899.2	1,659.9	2,019.9	1,957.4	2,611.2	3,692.1	4,201.1	5,473.9
Sorsogon	49.5	39.7	234.2	443.5	421.1	287.9	266.6	211.8	241.9	373.7
Western Visayas	4,516.5	4,161.8	4,775.3	4,194.7	3,982.0	3,196.4	2,820.5	2,101.2	1,853.6	1,965.3
Aklan	306.5	347.0	390.5	400.0	431.9	473.6	465.0	430.5	424.5	435.0
Antique	1,105.3	997.5	887.8	927.5	911.8	894.3	884.4	807.5	657.7	595.7
Capiz	240.4	254.8	405.3	450.3	415.9	450.9	584.2	344.1	260.8	254.1
Guimaras	123.1	81.6	80.2	137.0	107.8	28.4	41.2	57.7	51.7	58.5
Iloilo	1,872.4	1,569.5	2,766.1	2,037.2	1,568.0	1,118.2	297.0	207.3	167.8	367.3
Negros Occidental	868.8	911.5	245.4	242.8	546.6	231.0	548.8	254.2	291.0	254.8
Central Visayas	3,048.3	2,660.8	2,799.2	2,856.0	3,032.4	2,869.2	3,972.0	4,519.5	5,873.3	5,651.5
Bohol	264.8	174.6	541.3	525.8	412.7	319.1	758.0	826.3	855.8	703.8
Cebu	2,064.4	1,739.5	1,536.1	1,698.8	2,040.8	2,034.7	2,620.9	3,100.3	4,046.7	3,792.7
Negros Oriental	561.2	571.7	528.6	439.0	401.5	353.6	417.7	432.3	804.8	947.4
Siquijor	157.9	174.9	193.3	192.4	177.5	161.9	175.4	160.5	165.9	207.6
Eastern Visayas	4,286.6	4,927.1	4,584.4	3,954.4	3,863.9	4,064.4	3,631.0	2,936.6	2,971.3	4,229.2
Biliran	153.0	112.7	105.3	119.8	122.6	115.7	112.1	214.4	202.9	217.2
Eastern Samar	166.3	155.2	116.2	114.4	145.9	135.6	321.5	440.8	512.3	935.6
Leyte	2,259.0	2,241.1	1,917.5	870.2	1,094.1	1,193.3	877.9	306.0	350.0	943.0
Northern Samar	556.6	670.3	777.9	794.8	822.7	867.1	842.4	823.5	845.5	855.2
Samar	663.9	1,185.1	1,141.0	1,181.4	1,058.6	1,160.0	1,030.1	847.9	813.9	950.5
Southern Leyte	487.7	562.7	526.6	873.7	619.8	592.7	447.1	304.1	246.7	327.9
Zamboanga Peninsula	19,900.5	23,139.9	21,408.1	20,645.7	22,731.1	24,020.8	21,780.2	23,171.2	21,084.5	21,019.3
Zamboanga del Norte	3,286.7	4,190.2	3,496.7	3,947.2	5,058.8	6,258.7	6,640.2	8,387.5	7,551.5	7,832.2
Zamboanga del Sur	3,844.6	3,484.6	2,798.0	2,656.9	2,780.5	2,946.2	2,839.7	2,709.5	2,471.4	2,273.3
Zamboanga Sibugay	1,250.7	1,767.0	1,472.6	1,273.4	1,114.1	1,167.7	793.9	1,114.7	1,173.5	883.5
City of Zamboanga	11,518.5	13,698.1	13,640.8	12,768.2	13,777.7	13,648.2	11,506.4	10,959.5	9,888.1	10,030.3
Nothern Mindanao	2,311.2	2,607.5	1,867.7	2,122.2	2,006.6	1,912.5	2,014.0	2,299.2	2,423.9	2,592.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	89.4	117.9	75.4	113.4	116.7	63.6	83.0	141.8	144.3	138.1
Lanao del Norte	623.5	672.0	637.9	503.3	536.9	628.4	647.2	696.2	709.6	731.9
Misamis Occidental	1,382.5	1,523.5	817.7	891.0	908.3	770.7	781.4	787.5	800.2	801.7
Misamis Oriental	215.8	294.0	336.7	614.5	444.7	449.8	502.4	673.7	769.7	920.7
Davao Region	3,056.3	2,984.8	3,102.9	1,747.6	1,284.1	1,561.0	2,170.1	3,391.0	3,078.2	2,155.0
Compostela Valley	468.6	328.5	198.1	175.2	121.0	116.5	106.0	75.3	55.0	45.8
Davao del Norte	79.0	88.7	86.8	73.3	44.2	86.7	136.3	86.7	73.1	56.6
Davao del Sur	1,442.1	1,082.5	1,283.3	652.6	507.5	717.6	660.5	1,375.4	1,231.5	236.5
Davao Occidental	.	.	.	.	.	.	.	.	.	671.4
Davao Oriental	830.2	1,231.9	1,321.7	613.7	411.2	460.0	1,205.6	1,759.7	1,666.4	1,100.2
City of Davao	236.4	253.4	213.0	232.9	200.2	180.1	61.7	93.9	52.3	44.5
SOCCSKSARGEN	2,466.1	2,618.9	2,605.1	2,560.8	2,679.1	2,189.1	1,648.0	1,279.8	880.4	854.1
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	1,381.6	1,457.7	1,455.0	1,481.1	1,607.2	1,255.6	793.3	436.9	347.3	541.8
Sultan Kudarat	976.6	999.3	988.9	891.4	895.6	824.5	737.2	764.0	447.1	248.3
South Cotabato	107.9	161.9	161.1	188.4	176.3	109.1	117.5	79.0	86.0	63.9
Caraga	5,263.4	4,316.0	3,195.9	3,002.7	2,383.6	2,240.4	1,967.9	2,173.5	2,334.2	1,720.7
Agusan del Norte	132.4	97.6	69.5	50.6	70.6	69.5	67.9	57.5	58.4	49.2
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	239.8	216.3	202.6	223.2
Surigao del Norte	4,943.9	3,986.8	2,876.9	2,676.4	1,941.9	1,832.5	1,316.4	1,250.5	1,433.7	1,038.5
Surigao del Sur	187.1	231.7	249.5	275.8	371.1	338.3	343.9	649.2	639.5	409.8
ARMM	10,733.3	10,978.3	11,019.5	11,957.5	12,336.5	13,100.0	9,803.5	9,856.5	10,672.1	10,888.3
Basilan	3,180.0	3,343.1	3,262.5	3,607.9	3,657.1	3,848.5	1,014.7	1,118.8	1,780.3	1,899.3
Lanao del Sur	1,746.8	1,723.3	1,715.2	1,806.4	1,794.6	1,715.0	1,133.7	1,148.5	789.7	877.2
Maguindanao	670.3	695.5	736.1	745.0	751.6	756.7	722.2	745.3	731.3	731.9
Sulu	4,236.2	4,241.4	4,401.0	4,601.6	4,881.5	5,164.0	5,248.6	5,136.4	5,365.4	5,246.8
Tawi-tawi	900.0	975.0	904.8	1,196.6	1,251.8	1,615.8	1,684.3	1,707.4	2,005.4	2,133.0

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Blue crab (Alimasag)										
Philippines	**28,170.0**	**27,923.2**	**24,962.6**	**25,106.8**	**26,075.0**	**25,126.2**	**27,218.3**	**29,431.9**	**32,242.5**	**27,794.5**
NCR	270.7	422.9	476.3	424.8	540.1	394.8	370.9	172.3	184.8	225.4
Metro Manila	270.7	422.9	476.3	424.8	540.1	394.8	370.9	172.3	184.8	225.4
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	117.0	198.6	105.0	117.1	126.3	127.7	146.4	176.0	529.4	536.6
Ilocos Norte	..	..	..	..	..	0.7	19.8	22.8	10.4	6.3
Ilocos Sur	2.0	3.1	12.1	14.6	12.2	13.3	7.5	5.0	3.7	34.2
La Union	25.6	32.6	86.0	65.4	66.0	65.8	64.6	75.1	103.4	83.7
Pangasinan	89.4	163.0	6.9	37.1	48.2	47.9	54.6	73.1	412.0	412.4
Cagayan Valley	99.7	109.2	93.0	84.4	90.6	64.8	46.8	38.5	35.0	31.2
Cagayan	93.8	103.5	85.9	77.4	82.9	57.5	39.7	31.6	28.2	24.1
Isabela	5.9	5.7	7.1	7.0	7.3	7.1	7.1	6.9	6.8	7.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	1,161.4	1,178.7	1,072.7	1,092.3	1,119.7	1,066.4	1,456.9	2,096.1	2,783.4	2,986.6
Aurora	27.9	22.8	15.0	14.1	14.3	14.1	10.6	7.5	5.8	5.0
Bataan	769.7	821.3	790.1	809.9	823.3	778.8	1,228.0	1,887.9	2,601.2	2,709.2
Bulacan	210.7	188.5	119.0	122.5	134.9	145.7	80.2	44.0	21.4	102.5
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	141.0	135.1	125.2	132.5	132.3	114.3	119.1	128.4	135.1	143.5
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	12.1	11.1	23.6	13.4	14.9	13.4	19.1	28.4	19.7	26.4
CALABARZON	1,331.8	1,912.8	1,510.4	1,628.3	1,705.3	1,587.3	1,657.1	2,361.9	1,595.2	1,451.1
Batangas	110.0	83.6	32.8	21.3	17.1	25.9	27.6	32.1	51.7	50.7
Cavite	112.9	118.4	155.4	157.1	277.8	262.1	303.9	316.3	337.5	282.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,109.0	1,710.8	1,322.2	1,450.0	1,410.4	1,299.3	1,325.7	2,013.4	1,206.0	1,118.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	3,321.8	3,358.2	3,569.8	3,630.9	4,759.5	3,810.2	2,783.2	2,926.1	5,221.1	5,222.0
Marinduque	44.4	47.9	47.0	55.9	48.5	51.5	51.5	56.3	36.7	37.5
Occidental Mindoro	134.6	135.2	136.0	146.2	158.4	163.9	152.7	128.0	93.0	61.5
Oriental Mindoro	42.2	40.5	39.1	37.6	34.0	29.9	23.1	24.5	27.1	22.3
Palawan	3,077.5	3,103.5	3,326.5	3,369.9	4,493.5	3,538.4	2,539.1	2,704.3	5,052.0	5,077.2
Romblon	23.1	31.1	21.2	21.3	25.1	26.5	16.8	13.0	12.4	23.5
Bicol Region	5,210.1	4,784.2	4,080.1	4,810.9	4,988.5	5,540.0	5,734.9	5,989.4	6,105.2	5,464.2
Albay	149.0	174.2	267.1	296.4	311.2	279.6	301.8	288.6	270.4	250.1
Camarines Norte	509.6	478.1	528.1	628.6	675.9	617.7	444.0	426.0	433.5	515.0
Camarines Sur	1,377.1	1,163.0	1,166.2	1,160.4	1,152.2	1,097.9	906.8	765.3	637.9	493.3
Catanduanes	195.3	163.9	128.4	133.5	108.2	89.3	68.8	54.1	48.7	39.6
Masbate	2,357.2	2,078.8	1,351.9	1,258.4	1,348.5	1,105.0	1,208.8	1,771.3	1,835.5	1,885.8
Sorsogon	622.0	726.2	638.5	1,333.5	1,392.6	2,350.5	2,804.7	2,684.1	2,879.2	2,280.3
Western Visayas	9,382.6	8,928.3	8,139.7	7,873.5	7,448.2	7,287.0	8,692.0	10,062.3	10,281.0	6,731.8
Aklan	192.7	196.5	166.9	149.8	183.0	209.4	201.5	194.3	182.1	145.4
Antique	47.2	41.5	27.9	30.6	32.9	31.7	26.4	21.4	22.3	32.1
Capiz	2,051.1	1,722.2	1,846.7	1,719.3	1,609.0	1,479.2	1,557.2	1,567.3	1,255.0	1,237.1
Guimaras	250.5	219.2	129.6	110.2	115.9	168.9	161.6	132.7	111.9	129.7
Iloilo	6,566.7	6,500.1	2,160.8	1,644.8	1,810.4	1,743.5	4,111.0	4,981.0	5,889.3	3,508.5
Negros Occidental	274.4	248.9	3,807.8	4,218.8	3,697.0	3,654.3	2,634.3	3,165.6	2,820.4	1,679.1
Central Visayas	1,427.6	1,420.5	1,187.4	979.5	847.3	729.2	823.3	1,006.9	955.4	1,043.1
Bohol	553.6	608.1	505.6	508.8	359.7	308.6	299.7	390.4	559.8	681.9
Cebu	798.6	748.1	624.8	420.4	450.3	387.0	481.7	569.6	351.0	332.7
Negros Oriental	66.1	54.2	45.7	42.0	26.9	23.6	32.8	38.7	36.8	21.4
Siquijor	9.3	10.1	11.2	8.3	10.4	9.9	9.1	8.1	7.9	7.2
Eastern Visayas	3,314.4	2,981.9	2,456.5	2,158.9	2,174.6	2,220.7	2,356.3	1,604.2	1,869.5	1,578.4
Biliran	8.4	13.1	10.0	13.2	16.1	13.2	13.1	46.4	62.4	48.5
Eastern Samar	110.5	111.8	110.2	120.8	148.6	128.3	41.3	37.2	53.5	36.3
Leyte	91.8	113.2	213.0	178.4	241.9	245.0	381.5	88.1	248.9	120.8
Northern Samar	430.9	343.0	355.0	303.0	277.8	250.3	234.0	205.5	238.5	256.9
Samar	2,661.1	2,390.4	1,759.4	1,540.4	1,490.2	1,584.0	1,685.2	1,225.9	1,263.2	1,094.2
Southern Leyte	11.8	10.5	8.9	3.2	0.1	..	1.2	1.2	3.0	21.7
Zamboanga Peninsula	1,287.3	1,397.0	1,074.8	1,161.3	1,103.0	1,102.7	1,921.2	1,799.0	1,360.0	1,039.2
Zamboanga del Norte	35.5	12.9	26.5	17.6	41.0	51.2	42.6	28.4	29.6	33.0
Zamboanga del Sur	545.0	605.9	467.8	496.7	489.1	441.4	404.4	408.6	354.8	266.6
Zamboanga Sibugay	343.9	400.9	268.8	331.1	256.3	264.3	1,104.0	1,007.1	611.4	364.1
City of Zamboanga	362.8	377.3	311.7	315.9	316.6	345.8	370.2	354.9	364.2	375.6
Nothern Mindanao	650.6	552.9	483.3	389.2	420.2	425.6	473.7	440.1	434.9	440.8
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	7.2	5.3	4.8	4.9	4.4	4.7	7.3	3.8	2.2	2.3
Lanao del Norte	266.1	263.0	267.9	212.0	223.1	252.2	288.8	267.7	258.4	254.5
Misamis Occidental	376.6	283.2	206.3	170.0	176.1	167.0	174.9	166.3	172.4	176.9
Misamis Oriental	0.7	1.5	4.3	2.2	16.6	1.8	2.7	2.3	2.0	7.1
Davao Region	90.8	48.8	107.2	128.5	106.4	91.4	53.9	32.6	46.1	47.1
Compostela Valley	19.4	19.2	9.7	9.9	8.6	9.8	10.1	7.0	5.8	7.6
Davao del Norte	11.5	10.0	8.4	4.9	5.1	12.3	9.1	6.9	15.4	12.9
Davao del Sur	46.2	..	31.2	55.2	44.4	23.7	18.9	13.6	22.8	21.8
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	5.8	13.7	54.4	56.0	46.3	43.5	14.5	5.2	2.1	4.8
City of Davao	8.0	5.9	3.5	2.5	2.0	2.2	1.4	..	..	..
SOCCSKSARGEN	48.7	48.6	48.0	43.9	40.9	39.4	32.0	21.4	10.1	16.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	13.7	15.1	17.2	21.7	28.0	26.3	19.3	0.2	0.2	8.6
Sultan Kudarat	33.5	31.6	28.7	20.0	10.8	11.4	7.5	6.8	1.9	6.9
South Cotabato	1.4	1.9	2.1	2.2	2.2	1.7	5.2	14.3	8.0	0.7
Caraga	105.2	137.4	136.5	143.4	168.0	165.1	190.3	231.1	235.7	243.3
Agusan del Norte	7.2	6.7	4.1	4.9	3.3	7.1	7.6	7.6	7.5	7.3
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	21.0	19.3	16.0	10.9
Surigao del Norte	61.3	90.1	82.8	84.5	98.8	118.2	79.3	101.8	90.7	83.0
Surigao del Sur	36.7	40.5	49.6	54.0	65.9	39.7	82.5	102.4	121.5	142.1
ARMM	350.4	443.4	421.8	440.2	436.5	474.1	479.5	474.2	595.7	737.6
Basilan	..	..	..	..	..	..	4.0	8.9	0.6	0.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	36.0
Maguindanao	59.0	60.3	63.5	59.8	56.4	53.7	50.9	34.4	38.3	46.9
Sulu	70.8	69.1	51.8	45.6	43.7	36.5	26.0	23.4	24.0	22.7
Tawi-tawi	220.6	314.0	306.6	334.8	336.5	383.9	398.6	407.5	532.8	631.4

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Caesio (Dalagang-bukid)										
Philippines	**17,294.7**	**15,790.0**	**15,457.0**	**15,765.4**	**14,730.5**	**13,371.2**	**13,620.6**	**13,350.1**	**12,271.5**	**14,210.1**
NCR	0.0	0.5	13.2	14.0	13.8	0.6	32.8	185.0	163.0	249.1
Metro Manila	0.0	0.5	13.2	14.0	13.8	0.6	32.8	185.0	163.0	249.1
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	431.1	155.0	140.2	103.4	128.8	182.0	252.3	254.4	235.8	420.1
Ilocos Norte	290.2	24.2	18.5	16.1	21.2	71.5	99.6	101.6	79.5	126.2
Ilocos Sur	60.0	49.7	69.8	41.9	40.4	50.7	75.3	59.7	53.5	18.0
La Union	61.3	59.9	35.9	36.4	36.7	3.5	6.9	6.6	10.9	88.2
Pangasinan	19.6	21.3	16.0	9.0	30.5	56.3	70.5	86.6	91.9	187.8
Cagayan Valley	698.2	552.6	488.3	499.5	571.9	464.8	469.2	397.3	381.5	399.2
Cagayan	687.9	543.6	474.2	484.8	547.2	438.9	430.2	370.2	354.8	362.9
Isabela	10.3	9.0	10.1	9.9	16.0	16.6	19.2	17.9	17.6	18.1
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	2,136.2	1,559.3	1,515.7	1,316.4	906.2	769.2	732.4	569.5	469.0	400.2
Aurora	57.5	56.8	71.2	69.8	74.3	77.4	74.3	71.4	62.3	58.3
Bataan	4.7	8.3	16.4	16.5	15.6	16.3	..	0.1	0.3	6.7
Bulacan	..	..	..	..	..	..	10.0	..	..	1.0
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	140.9	130.8	121.3	111.2	114.4	106.3	112.5	116.1	124.2	126.3
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	1,933.1	1,363.4	1,306.8	1,119.0	701.8	569.2	535.6	382.0	282.3	207.8
CALABARZON	256.3	165.1	318.3	253.7	246.1	157.6	232.1	72.9	163.7	195.9
Batangas	155.2	137.4	198.8	174.5	97.3	32.9	26.8	29.0	29.8	27.5
Cavite	..	..	..	0.2	..	..	..	35.3	100.7	102.6
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	101.2	27.7	119.6	79.0	148.8	124.7	205.3	8.7	33.2	65.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	7,086.7	6,890.9	6,448.4	6,428.4	5,815.3	4,797.1	4,802.4	5,066.6	4,300.9	5,095.6
Marinduque	46.5	47.4	36.1	52.3	51.8	57.0	70.4	71.2	81.6	77.8
Occidental Mindoro	163.0	156.4	146.7	157.3	166.8	169.8	176.2	171.8	204.2	509.3
Oriental Mindoro	64.6	60.3	58.2	54.0	53.5	41.4	34.0	35.0	48.4	66.8
Palawan	6,593.5	6,449.7	6,121.7	6,050.5	5,408.6	4,426.5	4,445.2	4,672.7	3,836.7	4,243.5
Romblon	219.2	177.1	85.7	114.2	134.8	102.4	76.8	115.9	130.1	198.2
Bicol Region	1,268.1	1,268.1	1,426.8	1,434.4	1,448.0	1,127.9	1,269.0	971.3	1,124.3	1,078.0
Albay	24.1	45.2	132.9	203.2	246.5	240.0	250.2	267.1	280.5	281.3
Camarines Norte	517.9	468.8	539.9	580.5	611.1	278.0	187.3	125.9	102.2	91.4
Camarines Sur	106.4	108.2	105.3	105.2	113.6	105.3	203.4	141.0	80.5	70.4
Catanduanes	28.6	15.8	39.1	45.9	45.5	44.6	43.8	59.0	53.7	43.1
Masbate	589.7	628.2	606.6	491.0	431.3	459.9	584.4	364.0	603.6	590.9
Sorsogon	1.4	2.1	3.0	8.5	..	0.1	..	14.4	3.9	1.0
Western Visayas	383.1	383.6	413.5	514.7	582.3	566.9	481.2	451.6	434.4	369.8
Aklan	104.0	105.0	99.7	106.8	138.6	164.9	158.0	150.2	145.9	141.5
Antique	131.9	121.4	112.1	118.9	142.6	140.7	126.6	109.6	76.7	69.9
Capiz	0.3	0.3	0.4	2.9	0.8	2.8	2.2	11.6	31.7	10.3
Guimaras	65.5	40.0	56.9	135.6	96.0	123.8	140.4	83.1	68.6	60.6
Iloilo	69.8	88.2	78.9	71.7	119.6	38.9	15.5	38.3	3.6	8.9
Negros Occidental	11.8	28.8	65.6	78.9	84.8	95.9	38.6	58.8	108.0	78.6
Central Visayas	533.7	515.8	464.1	477.8	388.5	441.4	842.0	625.5	475.3	1,038.3
Bohol	69.3	55.4	41.8	28.6	18.0	25.6	75.8	41.7	62.1	54.0
Cebu	333.0	337.0	305.5	324.9	250.4	283.3	604.7	477.4	288.0	859.8
Negros Oriental	65.3	58.6	51.7	56.6	50.7	62.1	88.0	40.4	54.5	55.2
Siquijor	66.1	64.9	65.1	67.7	69.4	70.3	73.4	66.1	70.7	69.4
Eastern Visayas	673.3	636.9	662.4	627.5	692.3	734.7	912.1	904.9	560.9	508.1
Biliran	18.1	20.5	7.1	5.9	4.1	3.7	5.9	141.0	140.6	93.8
Eastern Samar	60.2	48.5	10.5	13.0	17.7	15.6	124.8	73.6	44.3	53.6
Leyte	80.3	73.9	196.7	107.3	146.2	121.6	168.8	149.6	3.2	..
Northern Samar	251.9	284.4	273.9	229.8	242.1	235.5	235.6	251.9	223.9	213.7
Samar	187.8	145.6	122.1	218.5	251.0	329.0	353.5	279.5	127.8	130.9
Southern Leyte	74.9	64.1	52.2	53.0	31.3	29.5	23.6	9.3	21.1	16.3
Zamboanga Peninsula	1,312.9	1,462.3	1,533.3	1,686.2	1,457.9	1,477.7	1,093.1	964.2	820.4	942.4
Zamboanga del Norte	5.5	4.8	0.9	3.7	4.3	5.2	5.1	5.0	4.7	4.7
Zamboanga del Sur	725.8	879.0	698.4	726.3	706.9	647.0	592.8	424.8	341.6	462.5
Zamboanga Sibugay	75.6	47.6	167.6	206.8	115.6	140.1	60.9	212.1	149.6	147.4
City of Zamboanga	506.1	531.0	666.4	749.5	631.1	685.5	434.4	322.3	324.6	327.8
Nothern Mindanao	176.0	177.5	219.5	275.0	274.5	263.4	280.8	356.3	354.4	496.9
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	25.5	19.3	19.9	36.7	34.3	19.5	27.5	42.8	31.5	32.2
Lanao del Norte	98.9	100.8	153.8	185.9	181.6	173.7	175.5	186.3	180.9	186.2
Misamis Occidental	46.1	47.3	42.3	43.1	46.5	60.2	70.2	115.1	122.4	120.7
Misamis Oriental	5.5	10.1	3.4	9.3	12.2	10.0	7.6	12.1	19.6	157.8
Davao Region	727.8	361.9	235.4	312.1	246.4	234.5	173.8	425.9	352.9	217.7
Compostela Valley	33.4	32.7	28.0	26.1	21.8	24.9	9.5	17.8	12.9	12.9
Davao del Norte	95.0	69.8	42.9	34.5	24.1	16.9	20.3	21.2	14.2	12.2
Davao del Sur	262.9	194.2	42.9	73.3	94.2	55.9	29.0	271.6	204.5	105.5
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	322.1	55.8	115.0	172.2	105.0	133.7	115.0	115.3	121.3	85.9
City of Davao	14.4	9.4	6.7	5.9	1.4	3.1	..	..	..	1.3
SOCCSKSARGEN	143.6	89.6	84.3	78.2	71.6	69.8	61.5	91.7	58.3	82.3
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	82.4	29.8	25.2	14.7	17.2	8.3	4.3	24.8	30.2	59.2
Sultan Kudarat	59.9	57.6	58.0	60.6	49.9	60.5	57.1	58.8	22.0	15.4
South Cotabato	1.3	2.1	1.2	3.0	4.5	1.0	0.2	8.0	6.0	7.7
Caraga	461.6	544.0	525.7	618.9	699.2	793.4	804.1	782.5	897.1	1,044.7
Agusan del Norte	6.7	5.7	4.2	4.3	7.4	9.4	10.4	10.1	10.4	11.7
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	94.6	86.7	92.3	87.6
Surigao del Norte	425.1	521.1	510.6	601.6	668.7	755.2	614.2	575.7	550.4	533.5
Surigao del Sur	29.8	17.2	10.9	13.0	23.1	28.9	84.9	110.0	244.0	411.9
ARMM	1,006.0	1,027.0	968.0	1,125.3	1,187.8	1,290.3	1,181.7	1,230.4	1,479.6	1,671.7
Basilan	18.1	17.0	15.2	15.3	16.8	17.2	50.4	98.4	119.0	121.2
Lanao del Sur	39.9	40.9	40.1	182.9	213.5	239.2	81.2	82.0	..	65.4
Maguindanao	114.9	61.0	62.9	64.5	61.9	79.5	84.0	71.8	66.6	70.6
Sulu	52.2	52.3	50.9	51.6	54.3	56.6	60.2	58.5	65.6	65.7
Tawi-tawi	780.8	856.0	798.9	810.9	841.3	897.8	905.9	919.6	1,228.5	1,348.7

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cavalla (Talakitok)										
Philippines	**24,479.9**	**24,887.7**	**25,459.1**	**23,818.3**	**22,283.0**	**23,267.4**	**20,374.0**	**20,374.5**	**20,227.1**	**20,205.5**
NCR	36.4	22.6	24.8	38.3	30.2	23.2	90.4	171.6	176.7	195.3
Metro Manila	36.4	22.6	24.8	38.3	30.2	23.2	90.4	171.6	176.7	195.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	155.2	186.0	349.8	567.4	750.8	727.6	674.9	680.0	1,152.4	1,249.9
Ilocos Norte	46.5	52.8	134.3	225.9	271.7	145.5	141.3	87.4	130.6	121.5
Ilocos Sur	64.4	60.2	28.0	28.5	28.1	31.6	30.9	27.3	12.6	96.7
La Union	25.2	47.5	2.9	2.3	1.8	3.3	8.2	19.0	26.4	159.4
Pangasinan	19.1	25.5	184.5	310.7	449.3	547.2	494.5	546.2	982.8	872.3
Cagayan Valley	399.9	374.3	440.7	445.5	411.0	372.5	391.3	402.7	421.9	422.3
Cagayan	375.0	357.0	412.6	418.3	382.0	338.0	356.6	369.0	388.5	388.6
Isabela	16.0	15.7	21.6	20.1	22.0	21.5	23.0	21.6	21.4	21.7
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	278.7	314.0	311.4	316.6	357.5	323.1	379.9	748.9	753.9	698.7
Aurora	71.1	73.2	98.9	101.8	107.7	111.2	111.0	110.8	100.0	101.1
Bataan	22.6	23.7	24.1	25.8	29.3	30.6	75.8	239.1	77.6	199.3
Bulacan	..	..	..	..	..	..	0.1	0.3	..	1.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	52.3	55.3	61.1	65.0	70.4	64.5	61.7	47.3	46.4	50.9
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	132.7	161.8	127.3	124.0	150.2	116.9	131.4	351.4	529.9	346.2
CALABARZON	655.5	821.8	977.0	1,149.8	1,281.2	1,005.3	658.3	466.5	473.7	274.0
Batangas	158.2	129.4	88.2	47.6	28.2	123.4	68.9	96.5	137.4	165.4
Cavite	0.5	1.8	..	..	5.0	0.7	..	1.1	50.5	34.6
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	496.8	690.6	888.8	1,102.2	1,248.1	881.2	589.4	368.9	285.8	74.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	9,173.9	9,455.5	8,949.6	6,929.1	5,702.0	6,306.7	4,700.8	4,569.0	4,082.5	4,490.9
Marinduque	78.6	79.7	85.1	75.3	73.0	69.4	67.2	64.0	74.3	79.8
Occidental Mindoro	126.2	123.6	125.1	131.7	141.9	144.2	136.9	139.9	190.6	177.7
Oriental Mindoro	141.2	143.9	129.9	122.0	111.5	90.2	80.1	85.8	79.3	85.1
Palawan	8,699.0	9,001.4	8,522.7	6,508.4	5,274.8	5,905.3	4,344.8	4,166.6	3,621.9	3,977.4
Romblon	128.9	106.9	86.7	91.7	100.7	97.7	71.8	112.6	116.3	171.0
Bicol Region	2,288.7	2,311.7	2,451.5	2,530.9	2,112.0	1,571.1	1,555.9	1,448.8	1,278.7	1,346.1
Albay	154.1	207.5	285.6	350.4	111.8	143.4	146.5	187.9	173.1	160.7
Camarines Norte	709.3	680.0	991.6	1,042.9	1,022.0	486.6	505.5	209.9	99.6	208.1
Camarines Sur	294.6	297.3	287.5	275.1	285.3	268.3	254.5	272.2	247.8	203.5
Catanduanes	828.8	757.3	591.5	590.6	443.0	346.1	286.1	261.0	217.7	189.9
Masbate	186.5	187.0	144.3	99.6	67.8	63.1	173.5	300.8	287.0	323.7
Sorsogon	115.4	182.4	151.0	172.2	182.3	263.6	189.8	217.0	253.7	260.2
Western Visayas	2,346.1	2,239.9	2,703.1	2,339.4	2,084.7	2,949.7	2,058.1	1,624.6	1,764.2	1,115.7
Aklan	90.0	90.7	97.8	99.9	119.4	152.2	146.4	146.5	117.4	125.7
Antique	587.1	528.2	358.5	329.6	307.0	270.1	243.9	198.8	130.4	144.1
Capiz	31.7	35.7	42.9	48.3	30.5	25.6	32.4	19.3	22.6	19.3
Guimaras	225.2	116.6	132.2	373.0	395.4	708.6	853.4	504.0	422.8	410.3
Iloilo	467.5	611.8	1,591.7	1,051.5	802.6	1,352.0	525.2	324.3	175.7	48.7
Negros Occidental	944.5	857.0	480.1	437.0	429.8	441.1	256.9	431.7	895.3	367.6
Central Visayas	352.4	350.8	407.0	461.7	450.1	433.8	759.0	859.0	1,163.7	1,336.4
Bohol	117.8	116.9	99.1	99.8	48.2	22.8	275.5	322.3	370.1	469.6
Cebu	101.4	87.1	158.2	221.4	264.7	243.1	320.3	376.5	653.5	713.7
Negros Oriental	66.0	61.7	64.5	58.3	56.3	82.6	66.0	75.9	51.8	66.0
Siquijor	67.1	85.1	85.2	82.1	81.0	85.4	97.2	84.3	88.3	87.1
Eastern Visayas	1,578.3	1,889.4	1,834.8	1,678.4	1,470.0	1,242.7	1,260.8	1,311.5	1,504.7	1,519.7
Biliran	14.7	1.7	2.8	2.5	1.3	1.2	1.6	20.3	64.5	136.6
Eastern Samar	938.7	967.7	815.5	766.8	667.6	474.6	364.8	146.5	70.1	28.7
Leyte	70.9	89.0	185.8	114.5	117.3	105.2	234.6	235.9	230.4	79.4
Northern Samar	371.3	425.9	485.0	499.8	520.4	512.6	494.7	457.4	480.5	447.1
Samar	134.0	364.6	312.1	267.4	140.9	122.0	128.5	423.3	638.1	817.1
Southern Leyte	48.7	40.6	33.6	27.5	22.4	27.0	36.6	28.2	21.2	10.8
Zamboanga Peninsula	2,970.7	2,471.9	2,805.7	2,975.2	2,766.2	2,835.5	2,443.5	2,729.4	2,178.4	2,005.8
Zamboanga del Norte	294.9	87.2	28.5	44.8	44.7	32.8	35.1	47.4	51.9	51.2
Zamboanga del Sur	784.9	718.0	644.0	699.8	692.0	662.9	622.2	654.6	519.4	490.7
Zamboanga Sibugay	1,158.2	909.8	853.2	978.1	752.1	793.9	583.0	1,032.6	664.1	446.2
City of Zamboanga	732.6	757.0	1,280.0	1,252.6	1,277.4	1,345.9	1,203.2	994.8	942.9	1,017.7
Nothern Mindanao	687.6	718.3	850.6	927.5	961.0	1,062.7	1,067.1	1,054.0	1,029.7	1,036.3
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	5.6	9.1	18.9	14.3	19.0	10.4	12.0	9.9	13.5	15.3
Lanao del Norte	524.0	556.4	450.6	484.9	503.6	614.4	649.8	607.7	601.9	584.7
Misamis Occidental	149.2	126.4	359.3	379.1	356.6	350.3	346.0	380.3	355.4	328.7
Misamis Oriental	8.9	26.5	21.8	49.3	81.9	87.6	59.3	56.1	59.0	107.7
Davao Region	694.2	636.7	487.3	286.2	285.9	354.4	311.2	236.6	266.2	313.2
Compostela Valley	39.3	32.2	24.8	26.0	23.4	43.4	39.7	21.0	20.6	22.1
Davao del Norte	61.6	53.0	43.0	41.7	36.7	20.8	33.3	27.4	17.2	14.7
Davao del Sur	285.8	218.1	45.2	18.5	35.8	15.4	39.2	70.4	78.5	93.9
Davao Occidental	.	.	.	.	.	.	.	.	.	85.8
Davao Oriental	287.6	306.1	352.8	178.9	171.0	263.7	183.5	101.7	139.7	87.4
City of Davao	19.9	27.2	21.6	21.1	19.0	11.2	15.5	16.2	10.2	9.4
SOCCSKSARGEN	185.3	188.7	156.7	152.1	177.0	150.3	187.2	166.9	85.1	124.0
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	56.9	56.8	23.9	33.1	51.4	8.7	57.0	30.2	50.2	77.9
Sultan Kudarat	124.4	130.0	129.1	115.0	121.1	137.0	128.2	129.8	27.8	16.2
South Cotabato	4.0	1.9	3.8	4.1	4.5	4.6	2.0	6.9	7.1	29.9
Caraga	551.7	700.3	654.7	839.0	1,056.4	1,198.5	1,096.4	1,082.6	1,094.5	1,202.5
Agusan del Norte	13.5	13.2	12.9	9.5	18.8	33.5	31.2	30.4	26.5	23.0
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	86.9	91.5	81.3	70.7
Surigao del Norte	229.1	409.9	355.1	537.6	606.5	699.0	478.9	470.9	503.4	556.4
Surigao del Sur	309.2	277.2	286.8	291.9	431.1	466.0	499.3	489.7	483.2	552.4
ARMM	2,125.6	2,205.9	2,054.4	2,181.4	2,387.0	2,710.4	2,739.2	2,822.6	2,800.7	2,874.7
Basilan	154.8	153.2	136.9	152.2	163.3	171.3	122.8	219.4	132.6	135.9
Lanao del Sur	396.6	399.2	393.2	432.8	499.2	609.8	622.1	635.9	531.5	498.7
Maguindanao	399.0	392.2	400.3	407.2	405.2	393.8	426.6	375.4	378.5	401.9
Sulu	189.5	193.8	200.1	203.2	216.0	229.2	253.1	252.7	263.9	257.2
Tawi-tawi	985.6	1,067.5	923.8	986.0	1,103.3	1,306.4	1,314.5	1,339.1	1,494.3	1,581.0

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Crevalle (Salay-salay)										
Philippines	**31,432.6**	**27,173.8**	**27,594.3**	**27,319.6**	**26,054.7**	**24,118.8**	**21,803.3**	**21,135.8**	**22,219.2**	**20,905.8**
NCR	83.6	31.5	38.9	44.3	47.2	54.5	110.4	327.8	295.5	350.3
Metro Manila	83.6	31.5	38.9	44.3	47.2	54.5	110.4	327.8	295.5	350.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	215.3	74.5	11.7	41.5	29.2	47.9	23.2	99.0	133.5	226.9
Ilocos Norte	..	..	..	..	..	0.6	0.5	0.5	0.5	2.8
Ilocos Sur	2.1	1.8	0.4	0.6	1.1	1.3	1.1	1.1	0.9	0.8
La Union	210.9	68.7	7.6	12.2	12.4	30.4	6.0	11.9	6.4	4.8
Pangasinan	2.3	4.0	3.7	28.7	15.6	15.7	15.7	85.6	125.8	218.6
Cagayan Valley	118.3	122.1	128.1	177.9	235.6	227.7	247.3	175.1	160.1	139.6
Cagayan	110.8	114.0	116.6	167.2	214.7	201.5	222.7	150.9	136.1	115.1
Isabela	7.5	8.2	11.4	10.7	12.6	12.4	13.7	13.1	13.0	13.2
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	465.2	494.2	498.6	520.1	553.4	545.3	470.0	783.2	733.2	695.4
Aurora	60.0	53.2	42.6	42.5	44.4	43.9	39.5	32.0	27.1	22.5
Bataan	298.6	306.6	310.9	320.9	338.1	331.4	273.3	504.1	375.0	397.8
Bulacan	..	..	..	..	..	..	9.2	1.6	4.1	8.0
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	76.4	81.1	94.9	106.4	115.9	109.3	109.0	108.8	111.9	116.0
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	30.3	53.3	50.2	50.3	55.0	60.8	39.0	136.7	215.1	151.0
CALABARZON	201.8	404.6	336.2	247.8	328.9	399.5	145.0	239.7	394.7	370.6
Batangas	..	..	..	..	..	6.5	..	..	..	..
Cavite	104.1	145.8	64.8	31.1	11.2	50.6	37.8	141.9	141.5	127.3
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	97.8	258.8	271.4	216.7	317.7	342.4	107.1	97.8	253.2	243.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	13,541.4	10,238.3	8,472.6	7,676.5	7,567.0	7,100.1	4,878.6	4,813.4	5,626.4	4,878.6
Marinduque	105.1	114.4	114.7	138.3	143.0	153.9	109.8	92.2	74.9	74.6
Occidental Mindoro	112.4	111.7	120.6	124.4	135.3	137.0	132.4	118.5	80.2	80.0
Oriental Mindoro	102.7	94.8	96.2	88.4	91.4	27.2	29.0	36.0	40.6	91.3
Palawan	13,125.1	9,803.5	8,058.5	7,245.9	7,103.2	6,671.1	4,493.2	4,423.9	5,274.2	4,411.3
Romblon	96.1	113.9	82.6	79.5	94.0	111.0	114.3	142.8	156.6	221.5
Bicol Region	6,099.3	6,005.3	7,227.1	6,742.7	6,959.6	5,403.3	5,598.5	5,557.5	4,520.5	3,465.0
Albay	365.9	470.6	428.0	417.1	281.7	357.0	373.8	358.5	341.8	355.9
Camarines Norte	692.6	661.3	935.5	964.6	962.2	378.1	365.4	159.2	94.2	224.3
Camarines Sur	255.5	314.0	306.1	251.2	256.3	240.9	219.7	387.3	373.2	297.8
Catanduanes	215.2	229.8	219.6	224.0	222.7	178.1	153.1	145.5	132.2	117.7
Masbate	4,437.9	4,223.4	5,053.1	4,569.1	4,860.4	3,856.7	3,873.3	4,213.2	3,220.5	2,421.0
Sorsogon	132.2	106.1	284.7	316.8	376.3	392.6	613.3	293.8	358.7	48.3
Western Visayas	2,475.3	2,449.3	3,851.9	4,268.5	3,671.5	3,325.1	3,512.7	2,500.5	2,906.7	2,773.4
Aklan	248.7	226.3	228.9	255.0	312.5	358.5	369.0	391.2	329.2	286.6
Antique	41.1	28.8	39.2	36.3	46.5	39.6	41.0	48.6	29.8	20.3
Capiz	321.4	333.6	614.1	743.3	660.9	894.2	1,331.4	742.7	722.3	773.7
Guimaras	25.5	216.2	124.2	53.3	35.4	9.2	24.8	49.1	39.3	46.8
Iloilo	1,735.1	1,586.8	2,613.7	2,705.9	2,294.9	1,649.6	712.9	575.9	723.5	694.7
Negros Occidental	103.6	57.5	231.9	474.6	321.3	374.1	1,033.7	693.1	1,062.7	951.3
Central Visayas	581.4	476.8	534.3	472.6	289.7	298.8	349.7	452.6	809.6	821.4
Bohol	305.0	199.0	181.5	141.4	114.7	116.0	86.3	89.3	176.9	114.9
Cebu	258.4	259.3	331.7	309.2	141.6	165.8	224.0	351.8	567.8	674.0
Negros Oriental	12.8	13.7	16.2	17.5	29.7	13.8	36.0	8.9	62.9	30.8
Siquijor	5.2	4.8	5.0	4.5	3.8	3.2	3.5	2.6	2.0	1.8
Eastern Visayas	1,486.0	1,405.0	1,761.4	1,527.4	1,301.8	1,538.6	2,021.7	1,197.1	1,600.2	1,624.9
Biliran	16.4	3.4	1.9	7.4	9.7	11.3	27.8	95.9	154.2	228.2
Eastern Samar	..	..	..	..	..	..	104.1	114.8	43.1	3.8
Leyte	44.1	56.8	172.2	124.1	123.2	108.0	26.5	56.9	100.2	0.8
Northern Samar	362.5	478.4	493.6	507.2	480.6	446.3	437.0	390.4	455.4	433.2
Samar	965.0	784.8	1,034.3	887.9	687.7	972.4	1,418.6	527.3	839.3	957.6
Southern Leyte	98.0	81.6	59.5	0.7	0.5	0.5	7.7	11.8	8.0	1.4
Zamboanga Peninsula	3,378.7	2,862.1	2,249.6	2,345.3	2,200.4	2,231.7	1,973.2	2,350.3	2,395.3	2,457.0
Zamboanga del Norte	22.7	7.0	12.7	7.0	4.2	4.8	9.0	9.4	8.8	7.0
Zamboanga del Sur	837.4	690.3	649.0	690.5	763.8	738.1	701.9	459.4	382.0	451.3
Zamboanga Sibugay	1,568.2	1,261.0	919.3	1,054.2	947.5	889.7	792.5	1,165.2	877.1	778.5
City of Zamboanga	950.4	903.9	668.7	593.6	485.0	599.1	469.8	716.4	1,127.4	1,220.3
Nothern Mindanao	619.5	516.5	414.1	518.3	621.1	574.3	533.3	537.0	571.2	634.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	361.1	262.9	264.1	349.0	348.0	374.3	339.5	351.1	359.1	371.8
Misamis Occidental	211.1	209.8	122.3	113.2	160.8	158.4	159.7	166.7	168.5	174.2
Misamis Oriental	47.3	43.8	27.7	56.2	112.2	41.6	34.2	19.2	43.7	88.5
Davao Region	459.3	374.6	268.3	551.2	371.3	232.4	143.7	171.3	154.8	168.9
Compostela Valley	44.0	47.0	22.1	25.5	24.3	36.8	16.2	22.1	17.7	20.2
Davao del Norte	47.1	35.3	31.9	18.3	13.4	19.0	24.0	12.7	13.1	17.7
Davao del Sur	29.8	15.6	5.0	389.8	257.0	57.2	21.7	69.7	57.2	24.7
Davao Occidental	.	.	.	.	.	.	.	.	.	3.4
Davao Oriental	338.4	276.8	209.3	117.7	76.5	119.4	81.0	65.1	66.4	103.0
City of Davao	..	..	..	..	..	..	0.8	1.7	0.5	..
SOCCSKSARGEN	58.5	72.7	48.8	56.5	42.9	33.8	23.7	29.7	36.1	36.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	25.6	38.8	15.1	7.6	6.6	5.8	8.6	15.5	13.7	21.1
Sultan Kudarat	30.9	32.3	32.1	46.4	33.4	27.4	15.0	14.2	21.0	14.3
South Cotabato	1.9	1.6	1.7	2.6	2.9	0.6	0.2	..	1.4	0.7
Caraga	248.6	275.7	276.9	426.7	339.0	482.2	419.6	378.2	379.4	445.5
Agusan del Norte	12.2	11.1	7.1	7.9	10.8	8.9	10.4	11.9	10.9	10.0
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	58.2	67.3	54.0	48.1
Surigao del Norte	224.6	259.2	260.8	408.8	304.4	413.2	257.1	234.6	219.1	196.2
Surigao del Sur	11.9	5.5	9.1	10.0	23.9	60.0	93.9	64.4	95.5	191.2
ARMM	1,400.4	1,370.7	1,475.7	1,702.5	1,496.2	1,623.7	1,352.8	1,523.6	1,502.0	1,817.7
Basilan	82.7	82.9	78.2	98.3	102.2	108.3	182.7	331.4	210.6	219.9
Lanao del Sur	514.8	515.3	512.5	697.5	576.6	664.8	293.7	301.7	236.6	399.7
Maguindanao	..	..	..	..	..	7.5	6.5	7.4	8.4	9.5
Sulu	26.1	25.5	25.4	26.5	26.9	29.0	30.4	29.4	33.0	30.7
Tawi-tawi	776.8	747.0	859.6	880.1	790.5	814.0	839.4	853.9	1,013.4	1,158.0

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Eastern Little Tuna (Bonito)										
Philippines	15,134.1	14,908.3	14,156.4	13,921.6	14,529.0	14,486.8	15,690.6	16,650.8	15,630.8	15,768.9
NCR	..	0.3	..	0.6	..	3.8	58.9	2.2	0.4	2.4
Metro Manila	..	0.3	..	0.6	..	3.8	58.9	2.2	0.4	2.4
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	85.3	414.1	186.7	90.4	131.3	121.1	136.4	160.0	126.0	218.3
Ilocos Norte	78.2	64.1	34.2	23.2	67.4	50.9	50.4	53.2	44.4	81.9
Ilocos Sur	..	..	..	..	..	3.6	14.4	39.7	27.1	9.1
La Union	6.2	13.1	5.8	8.7	7.6	4.0	4.1	3.3	3.6	11.2
Pangasinan	0.8	337.0	146.8	58.5	56.3	62.5	67.4	63.9	51.0	116.1
Cagayan Valley	581.5	502.4	519.8	528.2	595.4	492.5	433.1	365.0	311.0	281.9
Cagayan	579.3	498.8	515.3	523.9	589.8	487.2	427.3	359.7	305.9	276.6
Isabela	2.2	3.6	4.5	4.4	5.6	5.4	5.6	5.1	5.0	5.1
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	187.4	120.0	97.4	99.0	99.5	113.5	233.3	626.6	916.3	1,601.2
Aurora	10.6	10.1	10.2	10.4	11.8	13.3	13.3	22.7	19.5	18.4
Bataan	26.7	26.7	45.3	46.7	46.8	45.3	100.0	40.2	135.4	142.1
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	0.6	1.3	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	150.2	83.3	41.9	41.9	40.9	54.9	119.4	562.5	761.5	1,440.7
CALABARZON	0.9	0.7	..	2.1	..	31.8	31.5	0.8	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	0.9	0.7	..	2.1	..	31.8	31.5	0.8	..	..
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	3,358.6	4,237.3	3,536.1	2,464.2	2,963.9	2,546.0	2,624.2	2,349.3	1,584.0	1,420.2
Marinduque	..	..	..	..	..	..	65.3	65.3	1.1	10.7
Occidental Mindoro	170.1	167.0	161.4	172.4	180.7	188.7	239.7	247.2	185.6	160.5
Oriental Mindoro	28.6	28.8	27.1	30.1	33.0	37.1	87.6	98.7	125.7	127.0
Palawan	2,825.7	3,772.5	3,077.3	2,057.0	2,537.2	2,015.3	2,026.8	1,798.3	1,158.0	1,025.9
Romblon	334.2	269.0	270.3	204.7	213.0	304.8	204.8	139.9	113.7	96.1
Bicol Region	1,023.1	955.3	1,158.0	1,392.0	1,451.1	1,165.2	832.7	753.7	806.7	863.0
Albay	152.1	172.2	267.6	253.0	281.0	255.6	259.8	237.2	228.6	211.4
Camarines Norte	198.3	185.7	33.9	67.3	71.8	1.9	7.6	18.8	13.8	1.5
Camarines Sur	282.2	268.4	256.1	240.5	220.8	208.0	170.2	128.8	65.0	71.4
Catanduanes	144.1	95.0	125.0	136.4	110.4	84.7	70.8	77.2	81.6	63.8
Masbate	246.4	233.9	472.6	694.8	767.1	614.9	324.2	291.7	417.7	514.9
Sorsogon	..	..	2.8	..	..	..	..	..	..	..
Western Visayas	1,793.9	1,781.7	919.8	1,485.6	1,081.1	1,273.3	1,355.6	1,416.1	1,028.9	974.4
Aklan	297.7	301.5	293.0	309.2	330.9	342.4	336.0	324.8	339.2	327.2
Antique	113.1	67.8	91.0	94.8	93.8	87.1	92.0	110.5	71.7	45.4
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	9.9	10.2	8.8	17.0	7.3	3.0	2.9	3.0	3.8	4.5
Iloilo	17.9	18.5	53.1	37.5	42.1	147.9	48.2	43.1	245.1	146.8
Negros Occidental	1,355.4	1,383.8	473.8	1,027.1	607.1	693.0	876.6	934.7	369.1	450.7
Central Visayas	560.9	524.0	451.9	434.4	459.1	379.2	681.5	780.9	660.8	1,048.3
Bohol	36.8	19.2	12.7	9.4	9.9	10.8	43.2	154.1	59.9	62.8
Cebu	119.6	181.7	137.2	134.9	169.5	105.0	312.7	416.0	379.4	619.3
Negros Oriental	279.2	228.6	200.8	187.2	174.2	174.4	226.1	112.4	127.0	261.4
Siquijor	125.3	94.5	101.2	102.9	105.6	88.9	99.5	98.4	94.5	104.9
Eastern Visayas	1,126.2	969.9	959.8	757.5	704.7	731.6	1,040.8	1,099.8	815.1	559.5
Biliran	1.6	5.5	4.0	3.1	2.3	2.1	0.2	..	..	..
Eastern Samar	6.7	3.1	3.7	4.1	1.9	0.5	410.7	493.6	352.4	139.5
Leyte	19.5	38.5	13.4	35.8	5.2	..	4.1	41.0	..	0.9
Northern Samar	542.0	411.7	388.5	361.3	357.2	357.1	336.2	316.9	287.7	310.2
Samar	..	..	..	..	3.2	84.2	56.7	115.0	54.1	..
Southern Leyte	556.4	511.1	550.1	353.2	334.9	287.7	232.9	133.3	120.9	108.9
Zamboanga Peninsula	2,468.0	1,574.1	2,923.4	3,201.1	3,460.8	3,486.7	3,538.9	3,695.7	3,626.1	3,140.2
Zamboanga del Norte	663.2	349.4	689.9	713.1	243.3	183.6	237.3	312.5	352.6	360.5
Zamboanga del Sur	1,734.2	1,198.0	1,898.0	2,036.3	2,396.9	2,390.6	2,443.7	2,240.7	2,009.0	1,467.5
Zamboanga Sibugay	70.7	26.8	169.0	118.2	123.4	129.2	35.6	65.0	1.1	0.5
City of Zamboanga	..	..	166.4	333.6	697.2	783.4	822.3	1,077.4	1,263.4	1,311.9
Nothern Mindanao	611.1	588.0	379.5	308.6	339.1	375.3	427.8	439.3	402.6	427.2
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	49.6	26.3	26.7	38.6	32.5	58.8	94.4	76.0	49.3	34.8
Lanao del Norte	455.5	391.3	286.2	213.8	241.4	269.5	280.8	288.2	288.9	304.5
Misamis Occidental	86.4	140.4	27.6	26.9	35.5	36.2	34.3	47.5	45.2	42.8
Misamis Oriental	19.7	30.0	39.1	29.3	29.7	10.8	18.3	27.6	19.3	45.1
Davao Region	393.1	287.2	112.0	139.0	162.9	377.6	693.8	1,192.6	684.5	764.7
Compostela Valley	45.4	35.6	7.6	8.0	8.3	5.8	1.0	0.1	0.3	..
Davao del Norte	..	..	5.6	..	..	..	..	5.5	32.5	16.7
Davao del Sur	55.5	..	..	..	1.1	..	147.6	193.3	272.9	64.6
Davao Occidental	.	.	.	.	.	.	.	.	.	42.1
Davao Oriental	292.2	251.6	98.8	130.9	153.5	371.8	545.2	993.7	378.9	641.3
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	164.2	229.5	145.7	187.3	165.5	85.2	467.5	403.9	521.4	188.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	85.5	138.9	81.6	70.1	37.5	21.0	347.3	334.9	344.7	58.9
Sultan Kudarat	74.8	87.1	58.3	102.0	120.1	64.2	49.4	56.8	166.4	127.1
South Cotabato	3.9	3.6	5.8	15.3	8.0	..	70.8	12.3	10.2	2.7
Caraga	325.0	323.7	223.2	227.5	224.5	236.9	375.6	672.3	978.6	866.4
Agusan del Norte	121.6	93.2	60.3	33.9	24.3	17.6	19.3	12.7	11.6	13.5
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	54.0	87.1	77.6	110.9	147.9	176.2	201.8	258.8	316.9	268.5
Surigao del Sur	149.4	143.4	85.3	82.8	52.3	43.1	154.5	400.9	650.0	584.4
ARMM	2,455.1	2,400.3	2,543.3	2,604.0	2,690.3	3,067.2	2,759.0	2,692.7	3,168.4	3,412.6
Basilan	213.1	219.1	225.5	234.7	253.3	275.3	75.8	32.8	102.7	108.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	36.7
Maguindanao	40.4	..	..	..	..	45.7	18.5	..	..	..
Sulu	1,227.2	1,233.5	1,291.2	1,316.0	1,326.0	1,422.0	1,337.6	1,316.4	1,427.2	1,500.4
Tawi-tawi	974.3	947.6	1,026.5	1,053.3	1,111.0	1,324.3	1,327.2	1,343.5	1,638.5	1,766.9

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Fimbriated Sardines (Tunsoy)										
Philippines	**52,839.4**	**47,124.1**	**47,088.0**	**41,356.0**	**39,984.5**	**40,728.0**	**37,242.6**	**37,359.7**	**42,446.4**	**41,912.6**
NCR	233.2	458.1	1,739.2	1,879.6	2,077.9	1,318.0	967.2	575.4	289.6	775.3
Metro Manila	233.2	458.1	1,739.2	1,879.6	2,077.9	1,318.0	967.2	575.4	289.6	775.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	36.0	50.3	51.6	52.6	56.0	39.9	40.7	51.0	69.4	108.3
Ilocos Norte	22.8	26.9	29.0	32.4	31.0	20.8	19.7	31.8	30.3	32.3
Ilocos Sur	0.3	0.3	11.3	11.1	16.1	10.5	5.8	3.9	3.5	3.7
La Union	12.5	23.1	11.4	9.2	8.9	8.5	15.2	15.3	35.6	72.3
Pangasinan	0.4	..	..	..	..	..	..	..	..	..
Cagayan Valley	389.9	419.5	410.2	476.7	411.1	446.2	396.4	317.1	282.8	290.5
Cagayan	386.8	417.3	407.2	472.9	405.5	440.5	390.6	311.6	277.4	284.8
Isabela	3.1	2.2	3.0	3.8	5.6	5.7	5.9	5.5	5.4	5.7
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	350.7	398.8	451.7	446.3	455.8	459.6	562.9	462.4	610.3	260.0
Aurora	26.4	22.4	21.8	20.9	21.8	21.7	19.2	13.4	9.7	7.7
Bataan	322.1	374.0	429.9	425.4	434.0	420.9	459.3	383.1	581.3	233.9
Bulacan	..	..	..	..	..	17.0	84.0	64.4	17.3	14.6
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	0.1	0.2	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	2.2	2.4	..	..	..	..	0.3	1.3	2.1	3.8
CALABARZON	3,168.7	1,415.2	1,790.9	1,646.5	1,277.0	654.4	423.0	718.8	745.2	671.2
Batangas	..	..	..	..	..	..	..	180.3	459.2	517.9
Cavite	100.9	170.0	580.9	597.7	437.4	206.6	202.7	258.3	119.3	113.3
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	3,067.9	1,245.3	1,210.0	1,048.8	839.6	447.8	220.3	280.2	166.7	40.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	5,404.5	6,083.8	6,825.2	3,745.7	3,080.0	3,694.7	2,929.1	3,336.4	2,898.9	2,685.7
Marinduque	..	..	..	..	..	..	47.9	32.8	27.2	23.2
Occidental Mindoro	182.6	180.6	166.4	176.6	189.6	191.2	186.8	186.2	173.5	172.5
Oriental Mindoro	302.2	282.1	300.5	350.8	366.7	422.1	477.5	411.8	378.4	300.1
Palawan	4,660.7	5,417.6	6,220.1	3,120.6	2,378.2	2,960.4	2,106.7	2,476.4	2,086.0	2,028.5
Romblon	259.1	203.6	138.2	97.7	145.4	121.0	110.2	229.2	233.8	161.4
Bicol Region	13,472.5	10,487.1	10,107.0	9,602.5	9,516.0	9,078.2	8,304.9	9,791.6	17,935.0	17,973.3
Albay	316.4	253.2	305.2	335.8	366.6	319.9	367.6	396.8	351.3	324.3
Camarines Norte	512.2	499.7	564.4	631.2	610.6	619.1	733.9	242.9	160.4	232.3
Camarines Sur	1,845.0	2,029.8	2,029.6	2,121.3	2,151.5	2,094.4	1,768.2	1,229.1	1,029.4	991.0
Catanduanes	107.3	109.6	94.2	97.1	91.5	71.9	55.8	50.2	47.4	37.6
Masbate	1,406.8	1,326.0	1,614.9	1,892.6	2,038.6	1,557.2	1,059.0	1,054.6	1,312.9	1,362.2
Sorsogon	9,284.8	6,268.7	5,498.8	4,524.5	4,257.2	4,415.7	4,320.4	6,818.1	15,033.7	15,025.9
Western Visayas	10,264.0	9,516.0	8,431.5	6,841.0	7,361.7	8,493.7	7,432.4	7,005.0	4,266.2	3,254.1
Aklan	210.9	197.9	204.3	211.6	227.4	251.0	230.9	253.6	303.9	265.6
Antique	1.6	1.9	2.0	1.9	1.9	2.2	7.7	16.3	16.1	16.4
Capiz	93.4	138.0	447.9	371.4	392.3	443.1	885.6	461.2	278.9	269.8
Guimaras	416.6	573.3	592.7	524.5	616.5	732.9	548.9	552.3	474.1	584.2
Iloilo	8,386.6	7,218.9	4,648.8	2,682.2	3,263.0	4,042.6	3,409.5	3,485.5	1,396.7	980.1
Negros Occidental	1,154.9	1,386.0	2,535.8	3,049.3	2,860.7	3,022.0	2,349.9	2,236.2	1,796.5	1,137.9
Central Visayas	1,899.8	1,652.7	1,337.5	1,347.6	1,202.0	1,168.5	1,857.4	1,996.2	1,634.4	1,715.8
Bohol	74.2	47.8	126.6	111.6	127.9	170.7	97.8	140.8	80.9	52.9
Cebu	1,047.1	900.7	573.3	621.9	544.5	477.4	1,132.5	1,243.8	722.1	976.2
Negros Oriental	749.9	663.0	592.7	572.3	491.9	476.6	578.2	566.1	794.0	640.7
Siquijor	28.5	41.3	45.0	41.7	37.7	43.8	48.9	45.5	37.4	46.0
Eastern Visayas	2,747.1	2,775.9	3,235.1	2,801.9	2,652.7	3,095.1	2,885.5	1,814.5	1,995.4	1,319.2
Biliran	0.2	0.1	..	..	..	..	..	..	..	14.9
Eastern Samar	..	..	..	..	..	0.2	19.7	18.3	1.6	65.2
Leyte	125.0	105.0	65.0	198.5	191.2	238.8	441.8	34.3	14.0	130.1
Northern Samar	538.1	524.1	584.0	654.9	668.2	698.0	728.7	744.9	846.3	651.4
Samar	1,230.0	1,386.7	1,988.9	1,458.9	1,219.3	1,560.5	1,260.4	560.4	452.2	176.7
Southern Leyte	853.9	760.0	597.2	489.6	573.9	597.6	434.9	456.6	681.3	280.9
Zamboanga Peninsula	8,835.0	7,439.7	6,656.8	6,419.7	5,899.3	5,560.8	6,514.2	6,565.0	6,674.0	7,645.3
Zamboanga del Norte	5,121.8	5,082.6	5,424.8	5,318.7	4,992.9	4,643.3	5,297.5	5,060.3	5,210.6	5,729.5
Zamboanga del Sur	..	..	7.1	..	..	5.8	135.3	90.3	377.3	455.1
Zamboanga Sibugay	131.5	373.0	121.0	120.2	98.5	128.5	577.6	1,100.0	804.2	1,181.8
City of Zamboanga	3,581.7	1,984.1	1,103.9	980.8	807.9	783.2	503.9	314.4	281.9	278.9
Nothern Mindanao	393.1	693.1	337.3	377.2	391.2	595.4	739.7	758.0	732.2	1,225.3
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	9.3	15.4	4.7	8.8	9.2	6.0	25.7	17.8	16.8	24.0
Lanao del Norte	15.1	10.4	..	..	..	..	..	..	..	..
Misamis Occidental	341.3	650.9	287.1	347.2	369.0	585.6	709.6	737.1	713.0	710.2
Misamis Oriental	27.4	16.4	45.5	21.2	13.0	3.8	4.4	3.2	2.5	491.2
Davao Region	527.0	383.1	226.4	189.2	146.6	185.1	263.2	145.1	55.2	60.5
Compostela Valley	390.8	261.7	197.0	181.5	143.1	113.6	68.9	36.4	20.2	26.1
Davao del Norte	111.8	35.4	29.5	7.6	3.5	41.9	25.1	28.4	27.2	23.1
Davao del Sur	..	..	..	..	..	..	87.5	15.0	..	2.6
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	24.4	86.0	..	..	..	29.6	81.7	65.2	7.8	8.8
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	252.7	146.9	198.4	84.3	54.6	830.2	235.3	86.2	166.6	204.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	168.6	99.8	168.0	55.2	28.8	462.8	169.9	74.8	33.7	105.4
Sultan Kudarat	20.4	19.6	19.4	16.8	14.0	13.3	7.2	7.5	50.6	29.5
South Cotabato	63.8	27.5	11.1	12.3	11.8	354.1	58.3	3.9	82.2	69.8
Caraga	1,295.5	1,497.6	1,715.3	1,286.0	1,292.7	1,381.5	1,355.7	1,228.0	1,383.4	1,201.1
Agusan del Norte	134.4	103.8	64.8	52.5	31.4	28.4	24.6	17.5	15.3	14.3
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	138.2	147.5	159.6	173.0
Surigao del Norte	1,069.5	1,339.9	1,588.4	1,179.2	1,200.2	1,311.6	1,062.5	977.5	1,058.6	929.1
Surigao del Sur	91.6	54.0	62.2	54.4	61.1	41.5	130.3	85.5	149.9	84.8
ARMM	3,569.8	3,706.3	3,573.8	4,159.2	4,110.0	3,726.9	2,334.9	2,509.0	2,708.0	2,522.5
Basilan	1,215.8	1,257.6	1,153.1	1,119.7	1,100.7	1,122.0	256.6	392.1	335.4	343.2
Lanao del Sur	919.9	931.0	917.3	1,363.3	1,421.2	1,023.6	618.2	639.0	634.0	358.4
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	260.2	257.9	255.4	257.4	260.0	265.3	266.9	272.4	277.5	244.3
Tawi-tawi	1,173.9	1,259.8	1,248.1	1,418.9	1,328.0	1,316.0	1,193.2	1,205.4	1,461.2	1,576.6

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Flying Fish (Bolador)										
Philippines	**19,626.3**	**18,614.3**	**18,217.9**	**17,491.3**	**16,989.0**	**15,516.7**	**14,192.4**	**12,997.2**	**12,814.2**	**13,228.1**
NCR	..	..	..	..	..	..	4.0	0.0	0.1	0.3
Metro Manila	..	..	..	..	..	..	4.0	0.0	0.1	0.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	450.5	538.3	922.5	892.0	821.5	1,077.3	1,115.0	1,175.4	1,523.9	1,212.4
Ilocos Norte	268.1	282.8	264.2	284.3	213.5	435.9	411.2	380.7	270.0	206.0
Ilocos Sur	7.3	10.0	13.7	37.2	36.3	31.5	2.0	2.6	0.6	0.5
La Union	18.0	16.4	2.0	1.8	2.3	4.1	5.7	17.6	13.5	37.6
Pangasinan	157.3	229.0	642.6	568.6	569.4	605.8	696.1	774.6	1,239.7	968.3
Cagayan Valley	447.1	822.1	758.8	810.7	731.3	533.6	511.7	513.2	513.2	514.7
Cagayan	128.9	112.1	104.4	175.1	148.0	150.0	175.6	145.0	145.3	139.1
Isabela	33.5	36.1	48.5	47.7	58.0	57.4	62.9	60.8	59.3	60.5
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	336.6	245.9	337.5	402.1	430.6	391.0	429.9	349.3	451.9	832.9
Aurora	119.1	103.2	72.3	69.5	70.9	70.3	62.9	46.6	38.9	32.3
Bataan	8.4	9.5	14.7	11.4	13.2	12.1	65.0	2.0	20.2	272.7
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	209.1	133.3	250.5	321.2	346.5	308.5	302.1	300.7	392.7	528.0
CALABARZON	408.2	245.2	875.9	475.9	495.0	230.6	274.5	261.2	328.4	321.7
Batangas	407.0	243.4	728.5	335.9	279.3	224.0	243.6	261.2	311.9	307.1
Cavite	..	..	..	1.8	1.6	..	..	..	..	..
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1.2	1.8	147.4	138.2	214.1	6.7	30.9	..	16.5	14.6
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,616.4	1,285.3	1,068.8	1,156.9	911.2	1,008.6	904.4	786.4	708.0	798.8
Marinduque	438.1	445.4	405.4	407.1	371.5	354.9	410.0	380.6	285.9	300.0
Occidental Mindoro	152.3	143.2	146.3	151.1	158.5	159.1	169.0	161.9	153.4	134.5
Oriental Mindoro	244.0	240.6	189.8	186.3	197.4	201.5	147.3	8.6	18.3	15.8
Palawan	689.3	427.0	309.1	401.0	177.9	286.3	165.7	233.6	243.7	309.3
Romblon	92.7	29.1	18.2	11.5	5.9	6.8	12.6	1.7	6.7	39.2
Bicol Region	2,979.8	3,003.2	2,941.6	2,718.1	2,967.8	2,203.4	1,915.3	1,689.1	1,392.0	838.0
Albay	133.6	164.7	155.6	45.8	..	2.9	9.4	22.0	19.1	13.5
Camarines Norte	167.4	151.5	86.4	91.3	97.5	15.3	5.7	20.6	32.4	1.0
Camarines Sur	86.1	97.0	97.1	91.7	91.2	80.5	133.8	49.2	40.5	26.5
Catanduanes	282.7	233.1	224.5	221.3	202.8	161.7	143.1	128.9	147.9	145.3
Masbate	2,109.9	2,081.4	2,076.3	1,968.0	2,288.4	1,681.7	1,451.6	1,452.9	1,115.8	565.1
Sorsogon	200.2	275.5	301.7	300.1	287.8	261.3	171.7	15.6	36.4	86.7
Western Visayas	2,622.6	1,840.7	1,009.4	1,119.2	1,186.9	1,190.9	400.2	354.7	214.1	745.4
Aklan	20.5	18.6	16.8	27.6	32.1	38.8	40.1	43.2	39.8	39.9
Antique	72.3	135.4	125.9	142.4	160.4	137.1	134.6	97.8	72.7	67.0
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	24.3	26.5	7.9	12.4	18.8	21.6	37.1	25.6	20.9	22.9
Iloilo	437.0	..	..	10.8	..	..	..	1.1	0.8	0.1
Negros Occidental	2,068.5	1,660.2	858.9	926.0	975.6	993.5	188.4	187.1	79.8	615.6
Central Visayas	1,768.9	2,232.7	2,061.6	1,787.9	1,593.8	1,160.8	1,373.0	1,408.9	1,412.3	1,479.3
Bohol	716.0	758.5	553.9	461.7	476.1	319.5	463.9	545.4	494.5	563.2
Cebu	240.4	351.9	373.4	392.5	341.3	230.2	320.6	323.6	400.7	356.8
Negros Oriental	336.0	601.4	626.6	453.0	292.7	104.3	82.3	50.1	16.7	8.3
Siquijor	476.5	521.0	507.7	480.7	483.7	506.8	506.2	489.8	500.5	551.1
Eastern Visayas	1,226.2	1,321.7	1,162.2	1,291.2	1,137.0	1,143.7	1,587.8	1,761.5	1,383.4	1,608.0
Biliran	26.1	9.9	3.5	4.2	4.5	4.5	..	..	..	..
Eastern Samar	216.2	169.8	150.9	242.9	185.8	164.5	303.0	158.5	98.3	95.3
Leyte	15.4	9.0	41.7	22.9	74.5	101.1	101.2	178.5	123.0	579.0
Northern Samar	458.6	572.3	605.7	585.3	560.9	584.9	609.5	539.3	410.1	408.6
Samar	..	..	..	..	..	..	243.7	166.2	74.5	21.7
Southern Leyte	510.0	560.7	360.4	436.0	311.4	288.7	330.3	719.0	677.7	503.4
Zamboanga Peninsula	535.4	507.5	487.0	411.4	427.6	430.9	327.9	251.1	398.2	342.1
Zamboanga del Norte	21.1	16.3	48.9	12.7	24.8	44.6	40.6	45.7	54.8	54.5
Zamboanga del Sur	463.1	465.3	326.4	339.9	322.6	310.9	260.0	192.4	268.8	259.7
Zamboanga Sibugay	28.3	0.5	105.5	50.2	52.5	45.8	14.9	4.6	64.6	15.2
City of Zamboanga	22.9	25.4	6.3	8.6	27.7	29.6	12.4	8.4	10.0	12.6
Nothern Mindanao	1,934.5	1,484.3	1,617.4	1,683.3	1,810.0	2,089.9	2,150.4	2,094.5	2,331.2	2,358.6
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	508.1	400.8	441.8	479.4	398.9	601.5	513.1	526.0	705.3	756.4
Lanao del Norte	315.3	317.4	307.5	368.9	364.5	387.9	307.2	310.0	316.8	327.0
Misamis Occidental	628.0	303.3	681.1	712.5	789.4	644.9	630.8	611.2	580.4	553.4
Misamis Oriental	483.2	462.9	187.0	122.6	257.1	455.6	699.3	647.3	728.7	721.9
Davao Region	536.5	628.0	655.1	492.1	506.0	1,005.7	808.6	488.2	563.1	411.8
Compostela Valley	231.7	172.4	130.7	104.8	85.0	66.3	41.5	16.8	16.8	16.3
Davao del Norte	107.4	50.5	38.4	27.8	25.6	21.2	38.6	17.4	16.9	25.0
Davao del Sur	94.9	42.6	165.5	62.0	47.1	92.8	64.3	189.1	33.4	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	100.6	362.4	320.3	297.5	348.3	825.5	663.5	264.9	495.9	370.4
City of Davao	1.9	..	0.2	..	..	..	0.7	..	..	..
SOCCSKSARGEN	2,933.8	2,738.3	2,736.7	2,839.6	2,708.7	1,536.3	1,038.6	674.8	546.6	780.8
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	2,302.2	2,140.2	2,241.0	2,380.6	2,324.1	1,245.8	825.7	474.5	292.4	568.6
Sultan Kudarat	351.9	347.1	312.1	252.9	209.0	138.0	98.6	94.6	167.7	51.3
South Cotabato	279.7	251.0	183.6	206.1	175.6	152.6	114.3	105.8	86.5	160.9
Caraga	875.0	1,106.5	1,118.8	898.9	755.1	899.4	787.1	682.5	704.7	649.4
Agusan del Norte	142.6	187.1	67.4	70.0	83.3	74.6	65.8	71.8	65.4	63.1
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	..	..	5.4	3.9
Surigao del Norte	425.8	608.6	645.9	521.6	473.4	553.4	414.2	417.0	400.0	344.9
Surigao del Sur	306.6	310.7	405.5	307.3	198.4	271.4	307.1	193.7	233.9	237.4
ARMM	954.7	614.7	464.4	512.0	506.7	614.6	564.1	506.5	343.0	334.0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	203.1	231.6	241.3	214.1	182.3
Maguindanao	72.5	92.4	96.3	92.5	80.1	79.1	65.2	9.5	..	..
Sulu	128.7	125.9	98.9	81.6	73.9	40.9	21.6	19.2	17.2	14.5
Tawi-tawi	753.5	396.4	269.2	337.9	352.7	291.5	245.9	236.5	111.7	137.2

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Frigate Tuna (Tulingan)										
Philippines	**68,945.1**	**62,167.1**	**59,118.8**	**60,590.0**	**59,121.3**	**58,825.1**	**56,788.6**	**56,874.1**	**53,961.3**	**52,092.5**
NCR	1.2	0.7	0.0	3.8	1.0	..	49.4	78.7	92.0	128.7
Metro Manila	1.2	0.7	0.0	3.8	1.0	..	49.4	78.7	92.0	128.7
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	988.2	603.0	92.8	77.2	89.8	98.2	97.3	128.9	245.2	316.6
Ilocos Norte	210.4	140.7	49.3	34.2	41.5	40.7	32.1	32.8	62.4	82.7
Ilocos Sur	5.6	17.1	19.6	23.9	22.7	22.2	6.0	43.7	52.8	48.8
La Union	755.1	428.2	5.5	4.8	7.5	7.7	31.5	24.2	59.5	85.2
Pangasinan	17.1	17.0	18.5	14.3	18.0	27.6	27.8	28.2	70.6	99.9
Cagayan Valley	1,217.6	1,352.0	1,117.2	1,315.0	1,757.0	2,036.4	2,067.7	2,310.9	2,368.0	2,468.6
Cagayan	1,171.4	1,307.0	1,061.0	1,261.2	1,691.6	1,965.7	1,993.4	2,236.6	2,296.0	2,395.1
Isabela	46.2	45.0	49.3	47.7	60.5	59.4	61.4	60.2	57.9	59.3
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	996.8	1,248.2	837.0	821.0	821.5	737.5	754.7	1,058.3	1,200.2	1,607.6
Aurora	273.8	259.7	244.1	244.8	252.4	259.7	266.4	273.4	284.6	286.5
Bataan	186.6	165.0	156.7	155.9	156.0	159.2	173.4	13.6	123.5	225.9
Bulacan	..	..	..	..	..	..	6.0	..	1.2	1.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	130.6	120.3	104.8	108.4	113.7	104.4	108.0	117.5	119.1	119.1
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	405.8	703.2	331.4	312.0	299.3	214.2	200.9	653.8	671.8	974.4
CALABARZON	4,363.8	3,058.3	3,113.4	3,085.3	2,977.4	3,138.3	2,558.5	2,398.7	1,914.9	2,041.9
Batangas	2,856.7	2,071.0	1,661.2	1,807.9	1,539.1	1,184.3	1,132.7	1,006.4	895.4	658.4
Cavite	2.7	1.9	..	..	4.7	22.6	1.5	63.5	152.5	179.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,504.3	985.5	1,452.1	1,277.3	1,433.6	1,931.4	1,424.3	1,328.8	867.1	1,204.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	12,464.7	10,590.6	9,159.7	11,365.5	10,394.8	9,490.3	8,779.0	8,640.5	8,043.8	7,064.2
Marinduque	660.4	654.5	683.4	727.4	763.3	818.9	648.6	585.9	494.4	552.8
Occidental Mindoro	295.2	279.1	290.0	303.5	312.7	329.8	334.5	360.6	351.9	540.5
Oriental Mindoro	797.1	798.6	875.6	952.6	969.4	843.4	918.4	912.5	1,132.1	1,190.8
Palawan	10,247.2	8,404.5	6,876.3	8,805.9	7,899.6	6,994.8	6,343.1	6,275.2	5,553.0	4,262.1
Romblon	464.8	453.9	434.5	576.1	449.9	503.5	534.4	506.4	512.4	518.0
Bicol Region	6,461.1	6,224.3	7,106.1	8,597.6	8,764.5	7,982.4	8,596.6	7,559.5	7,891.1	7,190.4
Albay	642.5	604.0	682.4	882.6	984.4	942.9	936.9	890.9	863.0	822.6
Camarines Norte	2,092.8	1,877.5	1,659.9	1,791.3	1,778.4	1,860.9	1,446.0	1,322.9	1,249.3	959.0
Camarines Sur	1,218.2	1,355.1	1,312.4	1,361.9	1,408.8	1,400.5	1,312.0	1,136.4	837.9	742.0
Catanduanes	917.4	893.1	703.0	745.6	634.9	464.4	410.0	430.0	411.9	334.9
Masbate	1,406.7	1,364.8	2,226.0	3,261.8	3,198.2	2,874.8	4,168.4	3,372.9	4,156.7	3,879.3
Sorsogon	183.6	129.8	522.4	554.5	759.8	438.9	323.3	406.3	372.2	452.6
Western Visayas	4,322.3	4,451.2	2,209.9	2,168.4	2,052.7	2,371.5	1,387.3	2,822.3	2,271.8	2,514.5
Aklan	312.3	301.8	308.7	322.7	331.7	352.4	352.8	358.5	370.4	377.0
Antique	1,246.2	490.4	427.7	462.7	438.4	469.9	476.6	445.2	306.8	227.1
Capiz	72.1	83.6	8.3	..	..	..	..	..	..	..
Guimaras	24.6	13.3	26.5	40.8	25.2	11.7	18.6	8.5	20.3	19.1
Iloilo	344.8	254.8	467.9	474.3	428.8	597.8	252.8	295.4	92.8	19.6
Negros Occidental	2,322.4	3,307.4	970.7	868.0	828.6	939.7	286.5	1,714.7	1,481.4	1,871.8
Central Visayas	3,550.2	2,944.0	3,063.0	2,358.8	2,195.4	1,570.0	2,317.5	2,354.4	2,486.9	3,203.4
Bohol	542.5	306.6	374.0	240.2	188.6	153.8	154.0	105.5	69.1	161.7
Cebu	2,245.5	2,020.9	2,067.6	1,503.7	1,390.9	833.4	1,526.7	1,751.5	1,901.1	2,224.2
Negros Oriental	338.1	280.2	251.4	249.7	255.7	244.5	280.6	160.9	182.9	460.4
Siquijor	424.2	336.3	370.0	365.3	360.2	338.3	356.2	336.5	333.8	357.1
Eastern Visayas	3,583.2	2,687.1	2,909.8	3,572.2	3,852.6	3,674.3	3,087.1	3,437.4	2,430.1	2,077.1
Biliran	50.4	48.3	40.4	92.8	140.9	103.7	114.0	119.8	111.0	104.5
Eastern Samar	1,145.0	730.8	1,065.4	1,086.5	1,183.2	1,048.2	864.9	649.6	543.9	441.5
Leyte	356.7	372.2	145.6	152.6	170.9	253.5	99.0	115.4	46.7	85.6
Northern Samar	939.8	999.1	1,055.2	1,163.1	1,169.0	1,197.6	1,261.1	1,096.0	936.9	956.5
Samar	676.3	177.1	317.8	698.7	844.0	798.9	517.0	1,305.6	372.4	187.1
Southern Leyte	415.0	359.7	285.5	378.5	344.6	272.4	231.2	151.0	419.2	301.9
Zamboanga Peninsula	14,879.1	12,250.8	10,995.1	9,044.9	7,477.7	7,632.0	6,868.1	5,797.6	6,064.3	5,824.0
Zamboanga del Norte	4,159.1	3,855.5	3,118.3	1,534.4	729.3	707.2	743.6	760.6	997.3	882.7
Zamboanga del Sur	3,218.2	2,785.0	2,244.4	2,264.5	2,418.4	2,473.6	2,568.7	1,942.6	1,839.8	1,691.9
Zamboanga Sibugay	1,260.2	803.6	445.5	543.7	554.1	492.4	184.6	109.1	78.9	188.6
City of Zamboanga	6,241.6	4,806.8	5,186.9	4,702.3	3,775.9	3,958.8	3,371.3	2,985.3	3,148.3	3,060.9
Nothern Mindanao	1,205.5	1,660.3	2,884.8	2,845.5	2,942.0	3,134.9	3,640.3	3,372.0	3,369.3	3,331.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	301.2	313.7	210.3	134.4	90.3	119.5	314.5	159.5	175.0	168.6
Lanao del Norte	326.9	454.5	754.6	803.4	888.7	1,015.5	1,032.9	1,051.3	1,065.0	1,085.7
Misamis Occidental	489.1	789.7	1,844.2	1,822.2	1,791.2	1,646.9	1,488.4	1,383.5	1,342.8	1,325.2
Misamis Oriental	88.4	102.5	75.8	85.5	171.9	353.1	804.4	777.7	786.6	751.9
Davao Region	1,073.5	719.3	959.5	1,089.4	839.6	1,320.3	1,942.9	2,377.6	2,203.3	1,731.2
Compostela Valley	78.9	73.0	71.6	109.1	101.0	69.5	41.5	39.1	21.3	21.4
Davao del Norte	246.7	204.0	127.3	121.9	71.8	43.6	106.7	45.9	34.8	20.1
Davao del Sur	190.4	102.3	165.3	337.8	194.7	258.5	205.7	834.5	1,221.0	55.8
Davao Occidental	.	.	.	.	.	.	.	.	.	820.7
Davao Oriental	557.5	338.9	594.1	518.4	472.1	948.7	1,543.7	1,423.8	919.6	808.2
City of Davao	0.0	1.2	1.1	2.2	..	..	45.3	34.3	6.6	5.0
SOCCSKSARGEN	1,632.1	1,663.2	1,999.3	2,092.4	1,981.7	1,993.3	2,226.5	2,065.8	1,105.2	971.9
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	636.3	645.2	925.4	933.1	821.6	816.0	1,017.5	845.7	464.2	565.8
Sultan Kudarat	918.6	927.2	967.8	1,018.3	1,050.4	1,041.6	998.4	1,075.1	499.9	372.7
South Cotabato	77.1	90.8	106.1	141.0	109.7	135.7	210.6	145.0	141.1	33.4
Caraga	4,757.4	4,813.6	4,925.0	4,631.8	4,868.6	4,797.6	4,968.2	4,732.6	4,168.8	3,261.8
Agusan del Norte	541.5	362.8	340.2	181.1	139.7	166.7	185.9	176.0	194.8	194.1
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	207.0	221.6	205.0	191.8
Surigao del Norte	1,530.9	1,754.5	1,628.2	1,579.7	1,672.3	1,526.4	1,254.6	1,243.2	1,213.9	1,073.4
Surigao del Sur	2,685.1	2,696.2	2,956.7	2,871.0	3,056.6	3,104.5	3,320.7	3,091.8	2,555.2	1,802.5
ARMM	7,448.5	7,900.7	7,746.2	7,521.2	8,105.2	8,848.1	7,447.6	7,739.0	8,106.6	8,359.4
Basilan	1,522.9	1,531.7	1,513.7	1,410.3	1,456.5	1,507.9	331.7	415.6	489.7	501.9
Lanao del Sur	2,510.6	2,562.0	2,517.7	2,178.5	2,378.0	2,194.6	1,378.7	1,392.8	1,091.5	1,166.0
Maguindanao	751.3	751.4	798.0	820.7	830.3	839.8	855.8	900.4	906.7	948.9
Sulu	1,249.4	1,295.4	1,377.2	1,396.5	1,514.5	1,695.9	1,739.3	1,865.8	1,985.5	2,008.7
Tawi-tawi	1,414.4	1,760.2	1,539.7	1,715.1	1,925.9	2,609.9	3,142.1	3,164.4	3,633.1	3,733.8

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Goatfish (Saramulyete)										
Philippines	**19,310.3**	**20,707.0**	**19,635.1**	**19,416.3**	**20,012.3**	**20,399.9**	**21,424.5**	**21,918.9**	**19,808.7**	**20,559.9**
NCR	24.0	12.3	3.1	..	1.5	0.4	135.5	142.3	156.5	167.1
Metro Manila	24.0	12.3	3.1	..	1.5	0.4	135.5	142.3	156.5	167.1
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	359.3	425.9	276.1	343.4	470.4	337.3	274.6	277.9	241.9	246.1
Ilocos Norte	192.4	215.3	165.6	230.4	308.0	229.6	146.7	155.4	115.2	116.6
Ilocos Sur	129.7	131.1	79.4	67.6	34.1	34.1	29.8	20.4	14.1	54.1
La Union	4.7	43.1	10.2	14.4	15.1	14.6	23.3	18.2	48.8	21.3
Pangasinan	32.6	36.4	20.9	31.0	113.3	59.1	74.8	83.9	63.9	54.1
Cagayan Valley	420.1	390.6	480.9	488.2	520.4	500.4	549.9	474.6	442.9	371.8
Cagayan	412.6	383.2	472.7	472.9	499.8	476.2	528.2	449.7	418.1	346.6
Isabela	5.5	5.1	8.2	7.3	9.9	9.6	11.0	10.0	9.9	10.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	218.4	207.9	177.4	179.7	190.7	180.0	169.5	256.4	185.4	227.6
Aurora	55.6	52.6	45.7	45.2	46.7	45.2	40.9	33.1	25.9	22.1
Bataan	74.9	66.9	56.5	56.5	56.0	57.3	63.8	119.2	57.1	194.3
Bulacan	..	..	..	..	..	..	..	..	..	0.5
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	3.6	4.1	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	87.9	88.5	75.2	77.9	88.0	77.5	61.3	100.0	102.4	10.7
CALABARZON	267.3	314.9	568.9	757.5	1,430.8	1,454.9	722.9	958.3	510.9	426.7
Batangas	144.0	96.1	73.8	40.3	81.0	42.2	45.7	115.4	34.3	26.2
Cavite	3.9	7.5	14.7	38.4	14.5	28.5	6.9	38.6	85.1	85.2
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	119.5	211.3	480.5	678.9	1,335.4	1,384.2	670.2	804.4	391.5	315.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	3,025.7	3,007.3	2,989.8	3,576.5	3,962.6	4,761.2	4,676.6	4,411.1	3,264.2	3,667.0
Marinduque	56.9	55.7	53.9	51.3	48.1	52.4	63.1	60.8	67.0	90.1
Occidental Mindoro	172.9	168.7	171.6	182.1	190.5	193.2	174.8	145.5	172.6	253.3
Oriental Mindoro	180.7	174.2	162.9	163.5	171.8	154.7	54.4	13.9	77.3	81.0
Palawan	2,402.9	2,423.4	2,428.3	3,026.2	3,391.3	4,174.0	4,251.0	4,023.1	2,770.8	3,041.2
Romblon	212.4	185.4	173.1	153.4	160.9	186.9	133.4	167.9	176.5	201.5
Bicol Region	1,843.0	1,953.6	2,226.9	2,271.9	2,245.0	2,093.9	2,493.8	3,459.9	3,209.8	3,471.4
Albay	96.4	131.7	94.7	50.3	..	13.9	9.5	7.0	23.9	27.2
Camarines Norte	276.4	251.2	133.7	164.5	172.0	105.1	114.0	87.0	61.1	47.3
Camarines Sur	148.1	147.2	188.8	192.1	204.5	192.8	156.2	116.6	112.6	100.4
Catanduanes	85.9	78.0	33.9	33.5	21.3	20.2	12.5	14.9	14.2	20.5
Masbate	1,108.1	1,274.5	1,673.5	1,707.3	1,690.2	1,614.6	2,070.0	2,817.3	2,878.1	3,188.7
Sorsogon	128.2	71.0	102.5	124.3	157.1	147.3	131.6	417.2	120.0	87.3
Western Visayas	4,466.9	4,973.8	5,864.4	4,831.2	4,612.7	4,436.1	4,441.0	3,692.7	3,978.7	3,850.1
Aklan	166.8	184.8	215.5	216.1	254.1	290.7	288.7	273.9	252.2	184.1
Antique	63.3	72.9	86.8	96.4	100.5	86.8	76.4	62.3	59.6	58.6
Capiz	2,458.5	2,423.7	2,289.9	2,131.1	2,159.4	1,886.1	1,690.9	1,575.5	996.2	913.0
Guimaras	163.0	149.9	156.8	252.7	210.4	192.1	215.0	164.1	117.5	106.9
Iloilo	397.8	1,063.2	2,366.4	1,524.0	1,312.0	1,192.5	1,750.4	681.4	1,097.0	893.0
Negros Occidental	1,217.5	1,079.4	749.1	610.9	576.4	787.8	419.6	935.5	1,456.2	1,694.5
Central Visayas	1,211.6	1,163.6	1,012.0	918.7	949.4	1,326.9	1,496.2	1,902.7	1,490.6	1,318.1
Bohol	664.5	632.0	410.2	342.7	218.7	200.6	305.4	406.4	350.1	296.1
Cebu	349.7	339.5	423.3	418.2	605.3	1,006.0	1,019.1	1,301.4	949.2	867.4
Negros Oriental	130.5	118.6	101.3	76.9	43.0	39.0	86.5	118.2	107.2	81.0
Siquijor	66.8	73.4	77.3	80.9	82.4	81.3	85.2	76.7	84.2	73.6
Eastern Visayas	1,415.9	1,436.2	1,416.6	1,388.4	1,264.2	1,182.3	1,362.9	1,231.1	1,006.9	1,586.5
Biliran	32.8	7.0	2.9	1.9	0.8	0.4	0.8	42.1	93.4	208.9
Eastern Samar	621.4	609.8	521.1	473.4	484.0	375.2	381.3	188.1	136.7	120.0
Leyte	87.3	104.1	81.8	69.8	57.6	149.7	418.1	548.5	291.8	679.0
Northern Samar	269.2	310.9	288.4	256.1	243.6	223.5	205.3	175.3	166.4	283.1
Samar	307.1	304.2	470.4	552.7	439.5	396.5	320.0	275.1	313.9	259.2
Southern Leyte	98.0	100.1	52.0	34.5	38.7	36.9	37.4	2.2	4.8	36.2
Zamboanga Peninsula	2,195.6	2,842.4	1,851.2	1,762.7	1,737.2	1,732.2	2,721.0	2,526.9	2,847.5	2,818.3
Zamboanga del Norte	118.2	82.4	141.9	173.6	210.0	117.9	202.9	172.4	152.1	155.5
Zamboanga del Sur	810.2	624.8	509.7	527.0	515.4	521.2	487.4	626.3	620.1	572.3
Zamboanga Sibugay	1,210.7	2,049.9	1,103.7	997.9	840.4	817.0	1,520.6	1,208.0	1,525.3	1,511.3
City of Zamboanga	56.6	85.4	95.9	64.1	171.4	276.1	510.0	520.2	550.0	579.1
Nothern Mindanao	464.9	543.6	237.1	194.4	248.6	239.5	226.3	275.9	285.5	329.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	4.0	3.7	4.9	6.3	6.9	8.3	8.5	8.8	8.6	16.0
Lanao del Norte	83.8	187.7	71.4	82.2	78.4	73.0	71.1	70.1	77.2	87.0
Misamis Occidental	364.5	332.7	130.9	92.4	90.7	110.8	117.7	186.5	191.2	186.7
Misamis Oriental	12.6	19.6	30.0	13.4	72.6	47.5	29.1	10.5	8.6	39.3
Davao Region	1,151.7	1,108.8	581.8	661.1	478.0	255.5	199.9	382.6	380.5	223.8
Compostela Valley	37.7	44.1	32.6	26.3	24.7	39.2	35.8	19.3	22.0	25.7
Davao del Norte	14.7	31.9	33.7	19.7	19.5	18.3	25.2	22.2	28.5	13.7
Davao del Sur	418.7	472.1	233.8	367.6	263.9	96.3	73.3	159.3	212.6	124.3
Davao Occidental	.	.	.	.	.	.	.	.	.	20.1
Davao Oriental	651.4	539.6	271.3	237.4	154.8	89.2	50.7	163.4	117.4	37.7
City of Davao	29.2	21.2	10.4	10.1	15.0	12.6	14.9	18.4	..	2.3
SOCCSKSARGEN	427.8	392.9	416.0	409.1	325.4	186.7	123.8	216.6	108.4	53.8
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	39.4	24.2	17.8	17.3	8.9	1.8	..	27.5	15.6	40.8
Sultan Kudarat	376.8	362.6	391.5	385.2	309.5	182.6	120.1	118.2	35.0	11.8
South Cotabato	11.5	6.0	6.8	6.5	7.1	2.3	3.7	70.9	57.8	1.2
Caraga	634.7	1,001.1	686.2	704.6	704.7	748.5	743.6	635.0	653.0	650.7
Agusan del Norte	5.6	4.3	4.7	6.5	6.4	6.6	5.5	5.1	4.5	3.7
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	108.4	97.4	91.3	82.3
Surigao del Norte	521.4	864.7	585.9	594.5	619.4	687.1	476.7	404.9	424.2	383.4
Surigao del Sur	107.7	132.2	95.6	103.7	78.9	54.8	153.0	127.5	133.1	181.3
ARMM	1,183.4	932.2	846.8	929.0	870.6	964.4	1,087.1	1,075.0	1,046.2	1,151.8
Basilan	37.6	34.7	37.6	29.3	32.0	33.0	27.7	18.4	22.7	23.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	108.8
Maguindanao	32.3	..	..	..	..	5.0	45.5	..	..	..
Sulu	125.3	120.8	99.9	95.0	91.5	84.6	80.6	76.6	70.7	75.0
Tawi-tawi	988.2	776.6	709.4	804.7	747.1	841.8	933.3	980.0	952.9	944.4

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper (Lapu-lapu)										
Philippines	**16,920.4**	**16,820.2**	**18,016.4**	**16,970.9**	**16,786.3**	**16,759.4**	**15,558.5**	**15,642.1**	**16,373.8**	**17,997.4**
NCR	36.2	32.7	30.1	30.1	33.6	25.4	26.0	154.7	88.2	122.9
Metro Manila	36.2	32.7	30.1	30.1	33.6	25.4	26.0	154.7	88.2	122.9
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	133.3	158.5	184.9	451.2	586.6	669.6	552.8	643.5	1,113.1	911.2
Ilocos Norte	54.6	72.6	17.4	165.1	156.9	95.6	71.2	71.3	46.0	142.2
Ilocos Sur	5.6	10.7	2.2	1.5	1.9	2.8	2.7	5.0	3.1	3.6
La Union	13.8	13.9	25.8	73.9	89.9	169.6	37.2	36.5	59.2	37.2
Pangasinan	59.4	61.2	139.6	210.7	337.9	401.6	441.7	530.7	1,004.8	728.2
Cagayan Valley	190.6	140.0	132.9	149.6	147.7	161.6	162.8	172.3	172.7	162.1
Cagayan	163.1	124.5	97.7	115.4	108.4	107.0	111.4	118.6	119.2	107.6
Isabela	10.8	12.0	15.1	14.6	18.0	17.6	18.8	17.6	17.4	17.6
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	181.4	164.5	183.2	184.2	211.8	197.9	262.5	414.2	599.3	491.7
Aurora	64.3	65.6	89.8	89.9	96.3	102.6	105.2	105.8	100.0	93.3
Bataan	24.9	25.7	31.5	33.0	35.0	38.1	84.5	109.6	70.3	168.3
Bulacan	..	..	..	..	..	..	2.8	0.7	0.0	30.5
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	0.1	0.9	0.9	1.1
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	92.2	73.2	61.8	61.4	80.5	57.3	69.9	197.2	428.1	198.3
CALABARZON	533.2	525.0	728.1	984.9	1,098.5	1,152.5	730.2	609.7	662.7	1,097.6
Batangas	68.3	47.0	35.4	31.7	23.7	17.2	29.6	20.0	42.0	24.1
Cavite	7.8	21.6	6.4	26.8	19.7	2.7	28.2	105.6	133.2	109.1
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	457.2	456.5	686.3	926.5	1,055.1	1,132.6	672.4	484.1	487.5	964.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	4,321.5	4,853.3	4,612.2	2,723.0	2,564.5	3,081.1	2,478.3	2,546.9	3,171.2	3,371.7
Marinduque	68.9	71.9	67.9	81.0	90.6	97.9	78.0	85.5	83.3	83.6
Occidental Mindoro	60.2	55.6	48.8	45.8	48.9	48.7	54.6	66.5	74.2	166.9
Oriental Mindoro	96.2	87.3	95.1	85.1	80.9	59.3	28.3	27.8	33.9	25.9
Palawan	4,009.6	4,562.7	4,347.8	2,455.2	2,274.7	2,810.4	2,272.6	2,296.8	2,910.7	3,020.0
Romblon	86.6	75.8	52.6	55.9	69.4	64.9	44.8	70.3	69.1	75.3
Bicol Region	1,679.9	1,709.8	1,628.7	1,956.0	1,853.0	1,403.3	1,341.1	1,359.1	1,372.5	1,448.5
Albay	142.6	205.3	266.6	314.9	291.2	270.2	282.1	303.3	277.2	251.8
Camarines Norte	795.9	784.1	749.9	1,085.1	1,085.9	756.1	536.3	523.4	516.8	607.9
Camarines Sur	138.5	141.3	120.6	104.8	83.0	70.2	114.5	132.5	135.1	109.6
Catanduanes	544.9	522.1	414.3	379.4	296.6	220.6	190.2	175.0	162.6	134.8
Masbate	50.6	52.7	60.5	54.7	79.5	80.7	213.6	221.2	273.4	321.4
Sorsogon	7.5	4.4	16.8	17.2	16.8	5.6	4.4	3.7	7.5	23.0
Western Visayas	2,035.4	1,749.5	3,065.5	2,219.3	1,987.7	1,734.2	1,589.2	1,096.5	835.4	1,038.5
Aklan	64.2	52.8	61.3	58.1	60.9	59.4	57.9	64.0	58.3	57.9
Antique	174.1	168.3	145.9	151.1	162.6	120.0	103.3	101.3	70.4	58.3
Capiz	851.3	816.9	1,021.8	1,000.2	1,023.9	1,047.8	939.1	598.7	297.6	252.1
Guimaras	198.8	145.1	128.9	198.5	159.1	131.8	171.0	150.3	114.1	131.5
Iloilo	575.1	441.5	1,605.5	717.5	415.0	216.8	215.7	65.9	187.2	518.3
Negros Occidental	172.0	124.9	102.2	93.9	166.2	158.4	102.0	116.3	107.8	20.5
Central Visayas	360.5	336.3	317.6	357.2	456.4	626.5	809.9	995.1	641.3	1,250.2
Bohol	73.6	60.3	56.5	59.2	51.7	73.1	103.6	131.3	158.6	226.4
Cebu	206.0	205.8	198.4	239.0	357.0	506.2	637.2	796.5	440.0	998.6
Negros Oriental	56.8	48.6	41.2	39.1	27.8	28.2	48.6	48.8	26.4	10.8
Siquijor	24.1	21.5	21.5	19.9	20.0	19.0	20.5	18.5	16.4	14.4
Eastern Visayas	1,873.3	1,799.2	2,051.0	1,847.2	1,864.1	1,583.1	1,555.1	1,925.3	1,752.4	2,028.9
Biliran	21.7	29.4	39.5	64.8	76.9	72.3	74.7	152.7	183.0	216.0
Eastern Samar	898.3	870.9	842.8	748.5	680.9	499.6	381.1	146.2	102.7	49.9
Leyte	54.6	52.9	205.3	174.7	211.1	137.6	193.2	514.5	266.2	560.8
Northern Samar	378.2	400.2	394.5	451.1	462.3	438.7	405.9	424.0	333.8	340.0
Samar	336.2	372.6	506.9	392.1	409.3	407.5	474.7	667.9	848.5	822.1
Southern Leyte	184.4	73.2	62.1	15.9	23.6	27.4	25.6	20.0	18.3	40.1
Zamboanga Peninsula	2,315.9	2,116.5	2,488.5	2,793.2	2,530.0	2,515.9	2,558.2	2,129.7	2,116.4	2,172.3
Zamboanga del Norte	5.2	4.8	7.3	7.7	7.2	9.3	10.9	10.4	10.7	11.0
Zamboanga del Sur	516.7	648.1	470.2	487.8	509.7	527.8	538.2	453.7	364.2	533.3
Zamboanga Sibugay	957.7	547.8	1,108.9	1,443.8	1,332.4	1,191.5	1,364.2	1,019.3	1,090.3	973.3
City of Zamboanga	836.3	915.9	902.2	854.0	680.7	787.2	644.8	646.4	651.2	654.8
Nothern Mindanao	537.0	456.7	229.8	236.6	285.4	247.1	295.5	344.1	340.1	357.8
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	3.0	4.4	6.1	6.1	6.2	6.8	6.6	6.9	8.7	15.6
Lanao del Norte	306.8	254.0	129.4	132.0	124.9	125.5	152.2	153.0	152.9	159.1
Misamis Occidental	215.2	186.9	83.5	89.4	87.7	92.1	105.0	153.3	145.5	144.1
Misamis Oriental	11.9	11.4	10.8	9.0	66.6	22.8	31.8	31.0	33.1	39.0
Davao Region	380.7	514.0	232.0	252.0	220.6	161.8	146.4	166.1	176.7	204.2
Compostela Valley	34.0	39.3	20.2	16.0	15.0	35.4	25.9	17.2	14.5	16.7
Davao del Norte	34.6	32.1	35.1	28.5	22.4	10.2	15.4	13.1	21.8	11.0
Davao del Sur	74.3	198.4	64.5	90.1	99.0	29.9	44.3	75.4	87.6	87.0
Davao Occidental	.	.	.	.	.	.	.	.	.	17.8
Davao Oriental	222.0	225.0	97.5	100.2	73.8	78.0	53.2	55.8	52.9	71.7
City of Davao	15.8	19.2	14.7	17.3	10.4	8.3	7.6	4.5	..	..
SOCCSKSARGEN	138.8	107.4	96.0	115.3	107.2	89.4	173.1	90.7	43.5	70.8
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	68.8	36.0	29.5	57.6	50.3	17.8	66.9	12.3	15.0	60.7
Sultan Kudarat	68.0	69.8	63.4	53.7	51.0	65.2	55.9	55.6	25.1	8.2
South Cotabato	2.1	1.6	3.1	4.0	5.9	6.4	50.3	22.8	3.5	1.9
Caraga	516.6	451.2	367.1	462.4	534.0	684.2	756.5	771.2	812.6	711.8
Agusan del Norte	7.7	3.3	4.2	4.9	9.4	6.9	5.5	4.3	3.3	2.8
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	81.4	78.5	67.4	56.1
Surigao del Norte	448.1	423.5	331.8	434.1	491.3	577.4	404.1	330.1	442.7	339.4
Surigao del Sur	60.9	24.4	31.0	23.4	33.3	100.0	265.5	358.4	299.1	313.5
ARMM	1,686.2	1,705.5	1,668.6	2,208.6	2,305.2	2,426.0	2,121.0	2,222.9	2,475.5	2,557.4
Basilan	81.2	76.8	81.5	90.9	98.3	99.7	73.0	103.3	104.6	109.3
Lanao del Sur	275.5	270.1	271.5	619.8	606.3	521.7	353.8	357.5	301.8	404.8
Maguindanao	93.7	127.7	141.0	149.2	150.1	164.7	168.2	183.1	210.2	210.1
Sulu	446.1	443.7	451.1	455.7	465.7	460.0	435.3	433.5	426.8	431.7
Tawi-tawi	789.7	787.3	723.6	893.1	984.9	1,179.8	1,090.8	1,145.4	1,432.1	1,401.4

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Hairtail (Espada)										
Philippines	**9,451.3**	**9,964.9**	**10,551.8**	**11,456.5**	**10,917.5**	**13,210.7**	**10,630.1**	**11,914.6**	**10,044.4**	**10,752.0**
NCR	32.0	8.0	17.1	29.6	68.3	123.1	229.6	391.2	392.7	377.2
Metro Manila	32.0	8.0	17.1	29.6	68.3	123.1	229.6	391.2	392.7	377.2
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	177.2	349.0	175.8	206.1	172.2	175.2	158.2	144.0	173.8	554.5
Ilocos Norte	4.5	17.5	74.5	91.2	49.5	40.0	17.2	16.2	20.6	260.5
Ilocos Sur	8.2	6.6	6.9	5.9	6.8	6.7	6.8	6.8	10.2	32.8
La Union	95.1	168.4	16.4	19.1	15.9	28.6	26.2	12.8	9.1	12.9
Pangasinan	69.4	156.7	78.0	89.9	100.0	100.0	108.1	108.2	133.8	248.2
Cagayan Valley	1,072.3	1,158.8	919.3	1,086.5	1,339.0	1,673.3	1,852.6	1,658.8	1,650.4	1,619.1
Cagayan	1,040.4	1,148.4	908.7	1,078.1	1,326.5	1,663.2	1,844.2	1,652.1	1,643.8	1,612.1
Isabela	5.8	5.0	6.6	6.2	7.1	6.9	7.4	6.7	6.6	7.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	170.2	148.8	164.6	187.1	174.7	174.7	161.3	215.7	173.2	366.9
Aurora	47.4	43.2	39.2	40.3	42.1	42.4	35.9	29.4	24.9	19.6
Bataan	113.0	102.7	85.1	90.4	90.5	94.0	105.9	156.1	106.2	226.4
Bulacan	..	..	..	..	..	..	..	..	..	0.5
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	..	0.6	0.6	1.2
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	9.9	2.9	40.4	56.4	42.1	38.2	19.4	29.6	41.5	119.1
CALABARZON	243.7	171.2	263.8	260.8	375.0	557.4	266.2	214.6	218.3	124.5
Batangas	21.8	2.5	..	..	..	2.7	1.8	3.0	12.6	6.2
Cavite	65.9	31.9	40.9	36.2	53.4	68.9	69.1	95.3	104.7	88.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	156.1	136.8	222.9	224.6	321.6	485.8	195.3	116.3	101.0	29.8
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,467.8	1,638.0	1,599.7	2,274.8	1,475.6	1,513.4	1,534.6	2,415.7	1,548.1	1,395.2
Marinduque	58.1	61.0	79.8	93.6	84.1	73.4	89.0	91.7	108.4	144.5
Occidental Mindoro	158.0	150.7	154.3	161.2	173.5	174.3	169.9	150.6	110.3	79.9
Oriental Mindoro	26.5	26.1	34.0	42.6	46.3	41.6	20.4	40.4	47.3	45.6
Palawan	1,150.4	1,312.6	1,293.1	1,937.1	1,112.7	1,188.5	1,204.5	1,835.0	1,105.9	1,007.5
Romblon	74.8	87.6	38.6	40.3	59.1	35.6	50.8	297.9	176.3	117.8
Bicol Region	1,649.0	1,680.5	1,179.1	1,106.6	989.0	1,694.4	601.5	1,527.7	1,090.2	1,094.3
Albay	67.5	66.6	39.2	32.1	..	6.6	10.2	59.6	55.1	11.4
Camarines Norte	96.8	93.4	99.5	110.2	99.8	750.5	40.2	810.5	409.4	537.4
Camarines Sur	463.2	416.9	455.6	434.2	426.4	393.6	217.9	254.3	183.6	150.9
Catanduanes	11.2	7.9	27.0	32.0	32.5	35.3	28.1	29.3	24.1	23.4
Masbate	374.1	400.6	383.2	332.7	314.3	444.8	251.0	301.6	363.0	369.1
Sorsogon	636.2	695.2	174.7	165.4	116.1	63.6	54.3	72.3	55.0	2.0
Western Visayas	1,879.8	2,382.4	4,214.1	4,113.6	3,895.6	4,656.2	2,274.0	1,780.2	1,397.7	1,831.3
Aklan	128.5	133.6	183.1	179.7	211.8	241.4	214.3	216.6	190.7	181.3
Antique	205.1	215.0	244.5	195.2	194.3	180.7	144.9	112.9	87.7	69.2
Capiz	168.6	223.1	479.8	570.6	503.2	701.7	884.6	550.8	442.4	400.2
Guimaras	50.4	46.0	66.0	128.5	156.1	248.9	204.4	189.2	165.2	139.8
Iloilo	1,180.0	1,597.9	2,932.4	2,723.0	2,575.3	3,025.3	813.3	682.9	433.1	679.9
Negros Occidental	147.3	166.9	308.3	316.7	254.9	258.3	12.6	27.9	78.6	360.9
Central Visayas	45.4	45.2	79.9	78.1	54.8	76.1	173.8	478.9	580.9	548.3
Bohol	4.4	8.6	31.0	33.0	23.2	31.7	62.2	199.0	178.3	159.9
Cebu	15.7	17.7	31.6	28.5	21.6	37.5	72.2	125.2	269.8	216.1
Negros Oriental	25.3	18.9	17.3	16.6	10.0	6.8	39.4	154.7	131.8	170.7
Siquijor	..	..	..	..	..	..	0.0	0.1	1.0	1.7
Eastern Visayas	609.7	646.4	620.9	728.9	742.4	933.0	1,132.1	1,119.8	1,069.4	941.1
Biliran	8.1	5.9	0.5	0.3	0.2	0.2	0.1	63.6	72.8	28.9
Eastern Samar	59.3	44.7	57.6	60.8	78.7	90.3	41.6	62.2	43.8	59.0
Leyte	28.2	13.7	32.2	75.0	96.4	113.7	58.6	63.1	21.7	17.1
Northern Samar	224.2	223.3	249.9	230.8	221.7	228.9	218.7	185.4	245.6	227.2
Samar	268.0	237.5	190.6	275.4	263.6	418.4	716.1	700.9	542.0	451.7
Southern Leyte	22.0	121.3	90.2	86.8	81.8	81.5	97.0	44.8	143.6	157.3
Zamboanga Peninsula	694.0	649.8	460.4	636.2	774.3	714.4	941.9	682.0	694.9	621.6
Zamboanga del Norte	53.3	30.4	32.6	74.5	72.9	55.6	96.7	70.1	51.6	54.3
Zamboanga del Sur	210.6	200.8	201.2	229.5	240.4	213.6	191.3	173.4	179.1	306.9
Zamboanga Sibugay	430.2	418.6	221.9	324.7	188.4	207.5	216.5	218.0	304.2	135.0
City of Zamboanga	..	..	4.8	7.5	272.6	237.7	437.4	220.5	159.9	125.4
Nothern Mindanao	370.7	310.5	252.6	304.0	421.7	377.5	435.6	564.4	559.9	603.0
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	4.2	13.5	9.0	9.1	9.9	9.1	57.6	52.3	28.4	25.2
Lanao del Norte	149.1	82.9	127.5	146.0	129.1	150.7	181.6	190.9	188.1	180.6
Misamis Occidental	170.6	150.0	57.1	58.1	58.8	83.2	84.9	100.1	94.4	96.0
Misamis Oriental	46.8	64.0	59.0	90.8	224.0	134.5	111.5	221.1	249.1	301.2
Davao Region	366.2	254.9	222.6	121.4	83.3	122.0	281.1	281.7	120.6	134.4
Compostela Valley	39.6	22.0	5.4	4.0	4.5	4.2	3.8	19.1	8.1	2.6
Davao del Norte	124.5	78.7	31.4	32.1	14.1	14.2	11.3	15.5	15.1	10.5
Davao del Sur	30.8	79.7	66.4	3.0	..	0.3	52.8	176.6	66.6	67.4
Davao Occidental	.	.	.	.	.	.	.	.	.	35.2
Davao Oriental	129.1	11.2	53.0	26.7	15.4	56.7	176.3	45.4	20.2	1.1
City of Davao	42.3	63.2	66.5	55.5	49.3	46.6	36.9	25.2	10.6	17.4
SOCCSKSARGEN	62.5	46.4	38.8	20.9	18.6	28.1	167.6	72.5	62.1	86.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	44.6	32.7	25.3	7.2	7.4	7.2	144.9	43.9	29.8	73.5
Sultan Kudarat	10.6	9.9	9.3	9.3	8.1	15.1	17.4	17.4	16.0	7.3
South Cotabato	7.3	3.8	4.2	4.4	3.2	5.7	5.3	11.3	16.3	5.9
Caraga	315.5	210.1	133.3	90.5	128.0	216.0	252.1	218.1	193.8	249.6
Agusan del Norte	24.6	23.2	10.6	5.4	28.0	24.1	23.4	19.2	15.2	14.1
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	..	..	..	7.4
Surigao del Norte	168.4	111.8	62.1	38.7	47.0	63.3	62.2	114.5	104.5	128.8
Surigao del Sur	122.5	75.1	60.7	46.5	53.0	128.6	166.5	84.4	74.0	99.3
ARMM	295.3	264.9	209.8	211.3	205.2	176.1	168.1	149.2	118.5	204.5
Basilan	..	..	..	..	..	..	13.5	6.2	4.2	4.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	41.9
Maguindanao	49.4	54.8	56.5	58.5	54.3	48.3	41.5	44.0	50.3	50.7
Sulu	67.1	65.5	47.0	40.3	38.5	19.4	4.0	3.0	3.0	2.3
Tawi-tawi	178.9	144.6	106.4	112.6	112.4	108.4	109.2	96.0	61.0	105.0

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Indian mackerel (Alumahan)										
Philippines	**48,705.2**	**47,282.5**	**42,530.3**	**44,040.3**	**41,330.3**	**41,935.8**	**39,386.9**	**37,350.7**	**35,703.4**	**37,002.3**
NCR	67.5	78.3	51.4	54.5	54.2	58.2	21.5	325.5	212.8	255.8
Metro Manila	67.5	78.3	51.4	54.5	54.2	58.2	21.5	325.5	212.8	255.8
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	261.4	235.7	130.9	156.9	156.2	149.0	166.3	161.1	99.7	96.1
Ilocos Norte	32.8	17.8	84.9	92.2	90.3	50.3	92.1	86.2	62.5	52.2
Ilocos Sur	11.1	8.8	24.8	31.3	18.9	13.6	6.5	6.4	2.4	0.9
La Union	70.0	166.3	12.9	13.9	11.7	36.1	14.4	14.9	7.1	8.9
Pangasinan	147.5	42.9	8.2	19.6	35.3	48.9	53.4	53.6	27.7	34.1
Cagayan Valley	181.4	157.7	184.1	216.4	251.2	227.2	269.0	255.2	236.3	224.6
Cagayan	153.9	145.9	157.5	189.6	226.7	213.5	254.8	241.9	223.5	211.5
Isabela	10.1	8.2	11.0	10.7	13.6	13.7	14.2	13.3	12.8	13.1
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	482.8	478.0	528.5	536.2	560.6	552.3	652.7	718.3	619.4	985.1
Aurora	77.9	75.2	57.6	58.0	62.5	62.2	55.6	48.9	41.7	38.9
Bataan	237.0	234.2	257.5	256.6	257.7	246.9	360.9	441.1	141.4	333.4
Bulacan	0.3	..	..	..	..	..	11.1	..	1.9	1.3
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	119.5	112.3	123.1	128.3	130.4	121.4	123.1	111.3	111.4	121.8
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	48.1	56.3	90.4	93.2	109.9	121.8	102.0	117.0	323.1	489.8
CALABARZON	4,173.8	3,474.5	2,627.9	2,964.6	2,394.5	1,903.5	2,666.3	2,341.1	1,567.7	1,318.6
Batangas	1,032.2	1,068.0	889.0	932.0	715.5	666.0	498.4	368.1	341.0	242.4
Cavite	714.8	721.0	245.0	159.3	138.2	285.8	170.4	196.5	133.5	107.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	2,426.8	1,685.5	1,494.0	1,873.4	1,540.8	951.7	1,997.6	1,776.5	1,093.2	968.7
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	11,732.0	11,542.5	9,318.2	8,798.7	8,235.8	9,847.5	8,669.3	7,047.3	6,133.8	5,836.1
Marinduque	264.9	248.5	230.9	225.9	220.4	224.0	203.1	187.6	213.9	196.0
Occidental Mindoro	182.5	175.9	178.4	185.1	195.3	197.5	192.6	178.0	168.8	196.4
Oriental Mindoro	406.0	401.3	435.4	504.8	530.5	533.6	443.4	467.7	614.5	564.1
Palawan	10,456.7	10,289.6	7,892.8	7,195.4	6,699.0	8,268.3	7,232.9	5,804.6	4,727.8	4,445.5
Romblon	421.9	427.3	580.7	687.5	590.6	624.1	597.4	409.6	408.8	434.2
Bicol Region	8,769.4	9,317.1	8,548.6	8,637.6	8,101.2	7,554.2	7,136.5	6,887.6	6,225.4	7,055.6
Albay	666.9	648.9	638.6	536.8	575.2	544.5	572.1	552.9	496.7	468.0
Camarines Norte	1,844.0	1,703.5	1,414.8	1,469.2	1,478.5	972.1	505.7	368.1	319.3	333.8
Camarines Sur	2,554.7	2,941.6	2,890.9	2,769.9	2,770.5	2,658.8	2,110.5	1,068.8	885.5	830.1
Catanduanes	162.1	277.1	283.5	334.6	312.1	264.8	217.9	173.6	164.2	150.0
Masbate	3,446.1	3,629.5	3,097.5	3,170.0	2,749.3	2,892.1	3,439.7	4,392.9	3,977.2	5,139.5
Sorsogon	95.6	116.6	223.2	357.1	215.6	221.9	290.6	331.3	382.6	134.2
Western Visayas	2,271.7	2,217.9	1,925.5	2,593.4	1,862.2	1,747.7	1,536.8	2,103.1	1,677.0	1,698.9
Aklan	243.9	256.0	260.8	251.5	285.2	307.1	313.1	258.7	327.1	315.2
Antique	198.7	171.7	260.3	198.6	210.4	214.8	200.9	206.9	175.0	168.0
Capiz	109.2	140.3	123.3	141.0	121.6	155.3	159.6	145.9	130.5	145.8
Guimaras	64.9	42.6	70.0	185.6	148.7	61.4	77.6	108.8	109.7	94.5
Iloilo	587.3	639.2	414.6	628.4	560.3	511.1	280.4	815.6	352.7	331.2
Negros Occidental	1,067.8	968.1	796.4	1,188.4	536.0	498.1	505.1	567.1	582.0	644.2
Central Visayas	2,728.8	2,641.3	2,294.0	2,298.3	2,044.4	1,847.2	2,410.2	2,426.1	1,990.0	2,140.8
Bohol	411.1	409.6	443.5	361.1	232.0	104.6	269.3	326.7	527.9	849.2
Cebu	1,947.2	1,881.7	1,497.7	1,596.5	1,515.8	1,479.4	1,784.2	1,881.5	1,180.7	1,035.9
Negros Oriental	219.5	200.1	192.6	167.8	134.4	113.4	204.6	90.1	145.9	96.8
Siquijor	151.0	149.9	160.3	172.8	162.3	149.8	152.2	127.8	135.5	158.9
Eastern Visayas	3,390.9	3,389.3	3,754.6	3,731.3	3,473.6	3,648.0	3,186.3	2,910.6	3,119.3	2,980.7
Biliran	203.1	114.2	97.1	151.8	148.5	135.0	219.6	302.9	259.2	314.0
Eastern Samar	217.5	184.9	75.5	72.1	97.1	93.9	322.0	300.7	145.9	55.7
Leyte	205.9	113.2	356.2	160.2	84.7	202.7	234.2	193.5	150.1	111.0
Northern Samar	939.7	784.1	857.4	827.0	869.9	909.4	951.2	998.8	899.5	634.5
Samar	1,651.1	2,049.4	2,243.1	2,434.8	2,061.8	2,132.2	1,292.9	1,044.4	1,488.1	1,629.0
Southern Leyte	173.7	143.5	125.3	85.5	211.5	174.8	166.4	70.4	176.5	236.5
Zamboanga Peninsula	5,364.9	4,474.2	4,566.3	5,279.1	5,214.4	5,413.2	4,974.5	4,465.6	5,121.7	4,982.0
Zamboanga del Norte	856.9	270.7	237.3	211.1	313.1	215.3	203.6	237.6	244.6	226.1
Zamboanga del Sur	1,042.0	1,048.3	855.3	917.8	916.0	872.4	912.6	654.8	770.9	627.2
Zamboanga Sibugay	1,941.7	1,320.0	1,012.3	1,299.7	1,473.7	1,631.7	965.9	492.3	563.1	603.1
City of Zamboanga	1,524.2	1,835.2	2,461.3	2,850.5	2,511.5	2,693.9	2,892.4	3,080.9	3,543.1	3,525.6
Nothern Mindanao	236.1	322.4	404.0	548.7	551.4	532.6	660.4	698.9	695.3	967.0
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	22.9	18.4	38.2	47.8	33.6	44.7	75.4	34.2	29.9	35.0
Lanao del Norte	104.9	220.5	310.9	480.5	467.3	404.3	510.9	543.3	543.4	551.7
Misamis Occidental	54.2	30.3	10.2	13.0	12.7	37.5	35.9	100.7	100.8	102.2
Misamis Oriental	54.2	53.2	44.7	7.4	37.8	46.2	38.2	20.6	21.1	278.1
Davao Region	1,052.6	1,175.9	673.7	468.8	277.0	491.7	302.2	583.0	382.2	339.3
Compostela Valley	283.7	171.3	132.6	87.9	71.3	61.5	59.2	60.9	50.0	47.9
Davao del Norte	218.3	244.8	137.5	120.1	71.1	44.4	77.7	59.4	35.0	29.2
Davao del Sur	348.1	159.5	132.1	31.7	12.6	157.8	37.3	257.3	88.8	56.1
Davao Occidental	.	.	.	.	.	.	.	.	.	24.6
Davao Oriental	127.1	563.1	238.6	200.7	89.5	90.8	78.2	125.9	117.5	118.9
City of Davao	75.4	37.3	33.0	28.3	32.5	137.2	49.9	79.6	90.9	62.6
SOCCSKSARGEN	320.4	262.4	159.3	206.7	215.0	182.9	419.6	307.1	303.6	185.2
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	225.5	166.9	71.8	75.7	105.5	42.1	263.3	131.2	156.5	136.9
Sultan Kudarat	69.3	67.0	58.4	96.7	79.7	131.5	142.0	143.3	84.5	30.9
South Cotabato	25.7	28.5	29.2	34.4	29.8	9.4	14.3	32.6	62.6	17.3
Caraga	823.9	802.9	813.8	715.0	846.0	872.1	941.3	842.9	888.8	835.1
Agusan del Norte	39.8	39.0	15.7	10.6	39.9	47.0	46.8	45.6	36.6	34.3
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	158.1	196.9	205.4	230.0
Surigao del Norte	734.2	712.8	786.9	695.7	772.9	749.1	602.4	510.9	506.6	475.5
Surigao del Sur	49.9	51.1	11.2	8.7	33.2	76.0	134.0	89.5	140.2	95.2
ARMM	6,847.6	6,712.5	6,549.4	6,834.4	7,092.7	6,908.5	5,374.0	5,277.3	6,430.5	7,101.5
Basilan	2,483.8	2,278.5	2,129.7	2,081.5	2,189.5	2,126.4	743.0	539.3	1,064.1	1,045.7
Lanao del Sur	1,065.4	1,057.1	1,056.6	1,055.5	1,307.9	872.3	530.9	555.2	816.9	1,389.4
Maguindanao	483.6	408.3	420.2	416.1	382.7	388.2	388.5	520.1	543.6	537.4
Sulu	717.5	751.4	772.5	797.5	800.4	831.4	801.3	733.9	707.3	615.5
Tawi-tawi	2,097.4	2,217.2	2,170.5	2,483.8	2,412.2	2,690.2	2,910.3	2,928.8	3,298.6	3,513.5

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bali Sardinella (Tamban)										
Philippines	**68,219.3**	**65,893.1**	**70,898.4**	**70,393.9**	**65,706.3**	**72,896.4**	**74,486.7**	**71,082.7**	**65,298.7**	**72,217.9**
NCR	22.0	20.0	166.9	194.4	252.7	92.3	537.0	1,031.9	361.6	254.3
Metro Manila	22.0	20.0	166.9	194.4	252.7	92.3	537.0	1,031.9	361.6	254.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	79.6	102.4	157.8	164.1	125.3	202.0	80.6	85.7	53.8	239.7
Ilocos Norte	47.7	77.7	107.3	103.4	93.5	135.1	24.5	19.1	38.8	184.4
Ilocos Sur	9.5	3.3	42.2	46.7	23.7	44.9	35.5	36.0	4.1	14.5
La Union	22.4	21.4	8.3	8.0	1.5	15.3	13.8	23.8	7.5	36.8
Pangasinan	..	..	..	6.1	6.7	6.7	6.7	6.8	3.4	4.0
Cagayan Valley	268.1	246.0	178.5	223.3	288.7	309.7	347.2	337.9	352.1	345.8
Cagayan	263.9	241.5	170.8	217.5	280.9	302.1	338.9	329.9	344.3	337.8
Isabela	4.2	4.5	7.7	5.8	7.9	7.7	8.3	8.0	7.8	8.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	348.1	303.1	226.4	222.6	227.9	247.3	359.7	1,641.6	1,676.5	797.1
Aurora	108.9	96.7	98.4	97.7	98.6	96.3	85.9	79.1	71.0	66.4
Bataan	10.1	9.4	7.7	7.0	9.0	11.2	98.9	292.7	143.2	116.0
Bulacan	..	..	..	..	..	..	55.7	49.1	8.5	3.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	60.6	65.4	57.8	53.4	53.8	52.1	52.1	49.5	52.6	58.3
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	168.4	131.7	62.6	64.5	66.6	87.7	67.3	1,171.3	1,401.1	552.8
CALABARZON	3,622.8	2,259.0	2,225.6	1,904.0	2,148.6	4,575.2	2,726.8	3,047.4	2,920.0	2,452.4
Batangas	2,245.6	1,670.1	1,596.3	1,641.9	1,985.6	3,083.2	2,011.2	2,292.3	2,315.5	1,884.6
Cavite	..	..	..	..	2.0	..	51.9	141.6	120.5	124.7
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,377.2	588.9	629.3	262.1	161.0	1,492.1	663.7	613.6	483.9	443.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	11,520.2	10,613.3	10,659.3	9,312.6	7,396.5	7,111.4	5,934.2	5,257.2	5,396.6	5,424.8
Marinduque	286.5	285.2	298.8	300.6	263.1	313.9	366.1	331.6	294.7	282.0
Occidental Mindoro	169.0	162.6	163.7	172.8	181.0	181.4	187.4	169.7	163.1	192.7
Oriental Mindoro	525.4	531.8	521.4	586.0	612.7	670.0	717.3	548.8	572.3	466.9
Palawan	10,045.7	9,142.2	9,153.3	7,816.3	5,787.2	5,323.4	4,102.4	3,754.4	3,886.4	3,999.8
Romblon	493.5	491.5	522.2	436.9	552.5	622.7	561.0	452.7	480.2	483.3
Bicol Region	9,004.9	9,855.7	10,400.2	8,227.6	6,489.8	5,633.9	4,272.0	3,912.0	4,042.3	8,449.3
Albay	429.5	469.3	427.1	463.0	507.0	479.1	497.5	506.7	504.9	491.2
Camarines Norte	555.8	526.2	544.3	573.8	549.7	335.0	522.5	398.6	386.7	444.3
Camarines Sur	789.9	757.4	766.7	763.9	777.0	747.3	655.9	709.1	625.0	622.7
Catanduanes	681.9	528.8	352.9	333.5	219.2	168.6	144.9	135.6	112.0	106.0
Masbate	6,461.7	7,488.2	8,181.0	5,937.4	4,211.9	3,802.7	2,435.0	2,100.5	2,375.4	2,914.5
Sorsogon	86.1	86.0	128.3	156.1	225.2	101.3	16.3	61.5	38.3	3,870.6
Western Visayas	3,221.3	2,274.6	3,937.1	2,298.0	3,037.5	3,628.8	5,815.1	4,968.4	4,172.5	6,216.6
Aklan	293.4	277.2	298.7	304.6	411.0	493.5	498.4	529.8	481.6	487.1
Antique	350.6	357.1	572.9	454.0	479.7	604.5	590.4	445.8	374.0	544.3
Capiz	16.1	22.3	59.3	47.8	61.6	60.0	67.2	102.5	44.4	34.5
Guimaras	111.1	59.9	75.1	95.0	123.1	232.8	124.7	389.8	225.3	176.8
Iloilo	1,099.1	824.6	729.1	619.6	1,112.7	653.6	610.6	676.1	837.6	1,168.2
Negros Occidental	1,351.1	733.7	2,202.1	777.0	849.3	1,584.4	3,923.9	2,824.3	2,209.8	3,805.8
Central Visayas	2,235.8	2,162.9	1,900.7	2,009.1	1,641.2	1,832.4	2,509.9	1,924.5	1,352.3	1,832.0
Bohol	580.0	537.6	511.2	502.9	539.5	743.4	1,212.7	776.6	475.0	264.4
Cebu	1,302.9	1,227.1	1,003.9	1,154.7	807.7	788.1	879.7	811.0	565.9	1,313.4
Negros Oriental	216.0	239.9	217.4	205.5	150.7	144.3	254.6	177.2	175.4	108.6
Siquijor	137.0	158.3	168.1	146.0	143.3	156.6	162.9	159.8	136.0	145.6
Eastern Visayas	5,325.5	5,332.3	4,180.6	3,014.5	2,861.7	3,193.1	3,774.3	3,403.8	2,989.8	3,515.1
Biliran	537.0	564.8	505.2	423.4	458.8	576.5	702.8	506.7	448.0	385.3
Eastern Samar	114.3	77.7	57.2	57.4	65.9	50.4	53.8	50.3	20.1	26.2
Leyte	541.8	566.4	374.8	336.7	498.3	572.6	625.8	592.2	230.6	745.6
Northern Samar	984.1	844.2	816.2	873.1	860.6	953.3	966.4	893.3	888.5	777.8
Samar	2,350.4	2,461.2	1,681.9	711.0	294.5	364.6	1,016.6	1,091.9	1,336.1	1,446.0
Southern Leyte	798.0	818.0	745.3	612.8	683.7	675.7	408.8	269.4	66.6	134.3
Zamboanga Peninsula	15,932.8	16,237.7	18,974.0	24,408.2	22,683.9	26,118.1	28,025.0	26,627.0	25,122.1	26,718.6
Zamboanga del Norte	9,783.7	10,081.6	13,469.8	18,523.6	17,285.5	20,191.7	22,019.6	20,846.3	19,277.4	20,274.9
Zamboanga del Sur	..	..	16.6	8.3	..	..	1,431.0	1,021.3	920.3	1,223.4
Zamboanga Sibugay	1,890.0	2,294.4	2,008.9	2,486.5	2,098.8	2,416.3	939.0	1,265.1	1,271.9	1,476.3
City of Zamboanga	4,259.1	3,861.8	3,478.6	3,389.8	3,299.6	3,510.2	3,635.3	3,494.3	3,652.5	3,744.1
Nothern Mindanao	4,591.2	4,993.7	7,043.4	7,332.1	7,755.7	8,122.8	8,104.1	7,429.3	6,597.4	5,838.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	223.5	147.3	214.5	211.0	234.6	164.1	238.9	138.7	125.9	96.5
Lanao del Norte	900.3	1,123.1	1,903.1	1,942.5	1,992.6	2,265.2	2,125.2	2,216.3	2,195.2	2,135.5
Misamis Occidental	255.9	580.3	1,653.0	1,835.0	1,976.5	1,935.8	2,082.2	2,096.0	2,022.5	1,997.5
Misamis Oriental	3,211.5	3,143.0	3,272.8	3,343.6	3,552.0	3,757.8	3,657.8	2,978.4	2,253.7	1,608.6
Davao Region	1,741.6	867.1	775.6	1,215.3	929.0	1,312.8	1,791.9	1,418.5	573.3	171.8
Compostela Valley	719.5	442.1	297.8	251.3	195.7	146.6	188.0	119.4	79.5	67.9
Davao del Norte	156.2	68.7	84.5	71.6	54.2	162.0	284.9	81.7	52.5	36.5
Davao del Sur	590.6	216.9	287.3	805.8	615.2	522.3	813.1	710.4	411.8	29.6
Davao Occidental	.	.	.	.	.	.	.	.	.	16.3
Davao Oriental	204.4	104.8	59.2	43.7	34.5	184.9	259.9	470.5	14.8	10.9
City of Davao	70.9	34.8	46.8	42.8	29.5	297.0	246.0	36.5	14.7	10.7
SOCCSKSARGEN	1,783.4	1,750.0	1,212.7	1,232.8	1,116.8	714.2	782.6	605.6	288.7	421.4
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	849.6	984.5	409.6	431.0	654.1	343.3	475.5	228.7	146.9	288.5
Sultan Kudarat	798.6	695.8	736.2	719.2	359.6	256.6	208.4	225.6	65.6	35.7
South Cotabato	135.1	69.7	67.0	82.6	103.2	114.3	98.7	151.3	76.2	97.2
Caraga	4,414.8	4,658.7	4,793.9	4,427.8	4,290.5	4,391.6	4,260.3	4,247.3	4,393.4	3,963.3
Agusan del Norte	2,107.4	2,157.9	2,364.3	2,790.3	2,787.3	2,646.4	2,582.6	2,586.8	2,560.8	2,494.5
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	143.3	123.4	126.5	137.2
Surigao del Norte	2,218.5	2,418.7	2,350.1	1,560.7	1,403.8	1,579.9	1,316.2	1,356.4	1,402.4	1,131.6
Surigao del Sur	89.0	82.1	79.5	76.9	99.4	165.3	218.1	180.7	303.7	199.9
ARMM	4,107.3	4,216.7	4,065.8	4,207.3	4,460.5	5,410.9	5,166.1	5,144.7	5,006.6	5,577.8
Basilan	425.1	497.5	505.0	540.8	560.1	566.9	411.0	450.9	513.5	518.3
Lanao del Sur	687.1	682.2	680.3	251.7	622.1	1,154.3	890.8	896.5	536.1	980.4
Maguindanao	402.5	414.9	315.7	306.7	331.8	366.4	351.9	429.6	418.4	414.8
Sulu	605.5	616.0	626.0	628.4	629.8	650.8	683.6	674.0	683.8	613.0
Tawi-tawi	1,987.1	2,006.0	1,938.8	2,479.8	2,316.6	2,672.6	2,828.8	2,693.7	2,854.8	3,051.3

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Indo-pacific mackerel (Hasa-hasa)										
Philippines	**32,316.2**	**33,091.6**	**29,861.6**	**28,760.3**	**26,787.7**	**26,480.2**	**24,868.2**	**23,623.9**	**20,537.9**	**21,429.0**
NCR	1,355.6	1,526.2	321.8	291.8	258.1	736.9	668.8	448.1	322.8	378.3
Metro Manila	1,355.6	1,526.2	321.8	291.8	258.1	736.9	668.8	448.1	322.8	378.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	242.9	473.2	456.2	81.4	81.9	94.1	101.2	104.7	60.2	71.4
Ilocos Norte	15.8	13.0	8.4	15.2	15.2	12.0	23.9	23.1	21.3	24.7
Ilocos Sur	12.9	14.3	6.8	8.0	7.4	6.1	13.2	12.6	7.1	..
La Union	198.4	383.7	381.9	19.4	15.4	33.1	18.3	23.0	16.7	36.5
Pangasinan	15.8	62.3	59.0	38.9	43.9	43.0	45.8	46.1	15.1	10.3
Cagayan Valley	197.1	187.4	203.3	222.8	209.5	205.4	221.0	204.1	177.3	141.6
Cagayan	176.3	174.9	173.3	192.8	182.0	185.5	201.8	184.7	158.1	122.2
Isabela	13.1	11.1	14.6	14.3	15.9	15.5	16.4	15.7	15.5	15.7
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	2,501.7	2,520.6	2,228.6	2,080.7	2,085.2	1,989.6	1,130.9	1,065.6	649.8	580.9
Aurora	62.8	62.2	53.5	53.7	55.9	55.3	48.7	41.6	35.8	25.4
Bataan	2,214.2	2,273.2	2,015.3	1,874.3	1,884.0	1,798.8	874.3	840.2	432.7	329.6
Bulacan	34.0	19.3	14.9	..	..	..	79.1	25.4	4.1	10.3
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	146.9	124.0	108.9	115.0	106.8	100.0	101.6	94.5	100.7	108.5
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	44.0	41.9	36.1	37.7	38.4	35.5	27.3	63.9	76.4	107.2
CALABARZON	1,589.5	1,801.0	1,232.7	986.7	803.0	635.8	1,048.4	488.7	393.1	326.0
Batangas	740.8	709.6	566.3	525.0	464.8	198.0	147.2	249.6	189.7	150.0
Cavite	846.1	949.6	445.3	309.0	214.0	349.1	512.4	188.3	158.7	156.9
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	2.6	141.8	221.2	152.8	124.1	88.8	388.8	50.8	44.7	19.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	5,790.4	6,370.4	6,584.9	5,440.3	3,805.9	3,775.6	3,928.7	4,082.0	4,175.4	5,410.4
Marinduque	48.6	46.8	48.9	61.2	60.0	63.1	36.5	50.8	35.2	38.4
Occidental Mindoro	122.7	119.5	122.6	131.1	140.4	141.9	144.0	120.7	115.9	97.1
Oriental Mindoro	81.8	79.7	88.0	92.8	97.0	97.9	94.7	119.8	122.8	103.8
Palawan	5,318.0	5,921.2	6,064.4	4,968.6	3,287.3	3,265.8	3,461.2	3,520.5	3,608.5	4,890.6
Romblon	219.3	203.2	261.1	186.7	221.2	207.0	192.3	270.2	293.0	280.4
Bicol Region	5,183.5	5,367.6	4,429.1	4,342.9	4,483.6	3,979.1	4,367.9	4,720.1	3,667.9	2,418.3
Albay	116.0	156.1	176.3	111.6	145.5	118.8	138.0	164.3	161.0	221.2
Camarines Norte	19.5	11.2	2.0	3.2	5.6	17.3	11.5	3.4	13.4	33.0
Camarines Sur	160.6	183.7	188.2	159.4	159.5	145.4	153.4	138.5	127.5	97.7
Catanduanes	110.2	61.2	49.1	42.0	37.1	30.4	20.0	20.7	31.1	28.2
Masbate	1,160.5	1,325.5	3,082.0	3,071.9	3,248.2	3,128.5	3,681.4	3,989.1	3,052.0	1,931.2
Sorsogon	3,616.7	3,629.9	931.6	954.9	887.7	538.8	363.5	404.1	282.9	107.0
Western Visayas	5,617.9	5,076.6	4,902.2	4,881.8	4,777.9	4,906.8	4,091.9	4,538.2	2,864.0	1,980.0
Aklan	389.2	393.9	376.5	382.5	439.6	475.3	460.7	483.9	516.3	480.9
Antique	22.9	21.0	34.2	35.3	34.5	27.0	48.6	45.2	44.7	36.7
Capiz	3,147.2	3,040.4	2,926.4	3,006.5	2,844.6	3,051.2	2,213.4	1,882.2	1,045.7	572.3
Guimaras	20.5	14.3	37.4	92.0	56.1	27.5	13.9	20.2	15.5	14.2
Iloilo	1,185.8	797.9	187.8	222.0	244.7	333.4	303.2	660.4	533.2	197.4
Negros Occidental	852.3	809.2	1,340.0	1,143.7	1,158.4	992.4	1,052.1	1,446.3	708.5	678.7
Central Visayas	437.0	399.9	624.8	756.9	559.6	350.4	304.3	316.5	875.4	818.4
Bohol	55.8	60.8	148.2	165.1	107.7	78.0	110.9	35.1	138.0	200.8
Cebu	356.9	309.9	456.2	573.1	434.9	248.4	174.7	260.9	667.7	583.6
Negros Oriental	18.6	22.9	13.9	12.4	11.2	19.3	13.5	16.3	65.6	29.5
Siquijor	5.7	6.4	6.6	6.4	5.8	4.7	5.3	4.2	4.1	4.5
Eastern Visayas	5,717.4	5,386.0	4,596.0	5,066.2	4,822.8	4,870.1	4,575.7	3,396.5	3,056.4	4,482.3
Biliran	456.6	526.5	570.3	501.7	503.5	502.4	757.1	446.1	350.9	395.0
Eastern Samar	34.2	26.1	14.7	36.4	30.4	19.1	62.0	68.0	4.2	23.5
Leyte	1,915.9	1,657.2	1,014.6	1,079.8	1,251.8	1,249.2	495.6	561.7	350.7	875.3
Northern Samar	824.4	750.5	730.7	714.5	666.5	627.3	598.8	568.4	559.7	443.7
Samar	2,414.3	2,355.8	2,212.9	2,702.3	2,333.2	2,413.9	2,564.2	1,649.8	1,610.1	2,614.4
Southern Leyte	72.0	70.0	52.9	31.5	37.5	58.3	98.1	102.4	180.9	130.4
Zamboanga Peninsula	1,869.5	1,772.3	2,023.5	2,146.1	2,165.5	1,976.0	1,548.4	1,232.0	1,231.6	1,690.7
Zamboanga del Norte	631.2	327.5	304.7	331.6	128.9	59.2	56.0	59.4	65.5	72.9
Zamboanga del Sur	573.5	464.5	513.8	583.6	630.6	628.5	546.8	436.7	306.5	608.3
Zamboanga Sibugay	657.8	960.6	1,177.4	1,194.4	1,104.8	1,021.2	833.6	634.8	726.9	877.2
City of Zamboanga	7.0	19.7	27.6	36.5	301.3	267.2	112.0	101.1	132.7	132.4
Nothern Mindanao	240.8	314.7	471.0	475.0	481.4	573.2	568.9	592.4	575.0	582.3
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	170.1	118.6	199.6	210.0	214.9	269.2	260.8	288.8	288.5	309.8
Misamis Occidental	47.1	185.6	261.0	253.8	252.8	257.4	275.4	254.0	247.2	230.0
Misamis Oriental	23.6	10.5	10.5	11.3	13.7	46.5	32.7	49.5	39.3	42.6
Davao Region	162.5	141.0	202.5	102.0	78.6	67.2	235.1	294.0	197.3	144.3
Compostela Valley	95.5	83.7	43.4	38.9	33.0	40.1	27.7	42.0	24.4	28.2
Davao del Norte	19.4	15.3	37.4	23.5	44.3	16.1	27.1	44.6	36.4	36.5
Davao del Sur	47.6	16.0	121.7	38.5	..	..	18.3	..	1.6	2.3
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	26.0	..	1.1	1.3	11.1	161.9	207.4	135.0	77.3
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	30.1	31.4	32.4	36.0	33.4	26.7	26.3	31.4	9.6	16.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	..	7.2	4.2	1.7
Sultan Kudarat	30.1	31.4	32.4	36.0	33.4	26.7	25.3	24.2	5.3	14.8
South Cotabato	..	..	..	..	..	..	0.9	0.1	0.2	..
Caraga	135.4	192.3	326.1	515.5	574.9	686.5	557.9	591.9	559.5	493.4
Agusan del Norte	15.3	8.8	4.3	2.6	8.2	4.4	6.4	5.0	6.3	5.3
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	61.9	62.8	56.6	61.6
Surigao del Norte	107.8	172.9	315.3	507.9	550.8	654.5	455.2	448.1	392.6	378.3
Surigao del Sur	12.3	10.7	6.5	5.1	15.9	27.6	34.4	76.1	104.0	48.3
ARMM	1,244.9	1,531.1	1,226.6	1,334.1	1,566.4	1,606.7	1,493.0	1,517.8	1,722.6	1,894.3
Basilan	65.8	59.5	54.6	51.6	53.9	51.7	38.0	36.8	24.9	25.6
Lanao del Sur	37.3	35.8	36.3	..	9.6	19.5	15.3	15.4	24.4	92.5
Maguindanao	74.4	94.0	101.0	99.5	95.5	83.1	77.7	73.5	91.8	98.2
Sulu	35.3	35.4	36.1	35.6	37.1	37.8	36.4	36.8	38.1	34.2
Tawi-tawi	1,032.2	1,306.4	998.6	1,147.4	1,370.4	1,414.7	1,325.7	1,355.2	1,543.6	1,643.8

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mullet (Kapak)										
Philippines	**12,546.9**	**12,317.8**	**12,726.4**	**11,513.3**	**11,541.7**	**11,486.7**	**11,950.9**	**12,152.8**	**12,432.2**	**13,238.4**
NCR	167.0	175.7	141.9	168.0	312.2	267.7	180.7	99.2	91.8	130.5
Metro Manila	167.0	175.7	141.9	168.0	312.2	267.7	180.7	99.2	91.8	130.5
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	35.5	42.3	24.1	35.7	39.4	40.6	42.1	45.8	35.8	45.8
Ilocos Norte	..	..	..	..	..	1.3	0.9	0.9	4.6	5.2
Ilocos Sur	5.9	3.9	10.4	11.4	14.6	13.2	10.6	11.1	7.8	7.4
La Union	9.0	11.3	2.6	3.0	3.9	3.5	0.8	3.6	3.6	6.8
Pangasinan	20.6	27.1	11.2	21.3	20.8	22.6	29.9	30.1	19.8	26.4
Cagayan Valley	58.6	75.5	99.2	90.2	111.0	114.8	121.3	102.8	97.8	92.3
Cagayan	46.4	62.4	82.3	73.6	94.4	98.5	101.2	84.5	79.8	74.0
Isabela	12.2	13.1	16.8	16.5	16.4	16.3	20.0	18.4	18.0	18.3
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	830.6	849.8	893.9	899.7	880.3	825.3	1,199.6	1,913.5	3,003.8	3,516.0
Aurora	..	..	..	..	0.1	..	..	..	..	..
Bataan	600.9	633.9	681.6	685.4	670.2	645.5	1,036.0	1,766.5	2,841.8	3,281.2
Bulacan	97.0	78.2	73.8	82.9	82.2	60.9	62.3	41.8	50.7	116.4
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	132.6	137.7	134.0	131.4	127.8	118.9	101.2	105.2	108.4	110.9
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	..	..	4.5	..	..	..	..	..	2.9	7.7
CALABARZON	2.5	78.9	112.7	46.2	18.9	22.0	429.7	341.2	171.5	320.2
Batangas	..	4.9	31.0	18.1	13.1	21.7	32.3	40.6	49.3	65.3
Cavite	1.4	0.8	0.0	..	0.5	..	9.6	47.5	33.6	61.7
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1.2	73.1	81.7	28.1	5.3	0.4	387.8	253.1	88.5	193.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,027.1	1,271.5	1,063.5	900.6	906.2	1,277.0	1,182.4	1,535.2	1,295.8	1,230.5
Marinduque	39.8	43.1	49.9	53.7	57.3	60.0	42.4	46.3	41.0	39.5
Occidental Mindoro	110.5	106.3	108.0	114.0	123.9	125.9	121.9	93.3	75.5	90.2
Oriental Mindoro	42.3	40.9	49.6	51.0	53.3	46.7	0.5	0.6	32.1	12.7
Palawan	801.8	1,063.7	842.6	669.5	662.9	1,032.3	994.5	1,373.1	1,129.0	1,083.2
Romblon	32.8	17.6	13.4	12.4	8.8	12.1	23.1	22.0	18.2	4.9
Bicol Region	2,387.0	2,073.9	1,645.7	1,553.9	1,466.3	1,101.1	1,157.6	1,011.1	827.4	1,158.7
Albay	57.0	91.0	64.0	22.4	..	..	..	..	..	14.2
Camarines Norte	307.5	274.7	397.6	379.1	378.5	111.7	46.3	22.4	22.1	40.0
Camarines Sur	1,123.2	809.1	815.4	820.4	817.7	758.5	727.0	791.4	670.5	623.6
Catanduanes	40.1	26.9	35.2	45.5	39.5	32.6	19.2	18.5	10.1	26.0
Masbate	80.3	89.2	136.3	107.8	110.7	62.9	333.7	88.5	105.6	158.9
Sorsogon	778.8	782.9	197.1	178.8	119.8	135.4	31.4	90.4	19.1	296.0
Western Visayas	1,945.4	1,933.5	3,117.3	2,453.8	2,618.3	2,841.9	2,348.9	2,369.0	1,638.0	1,525.0
Aklan	128.4	136.8	171.5	174.1	193.5	190.8	189.3	176.1	145.4	163.2
Antique	5.7	5.3	6.7	7.3	8.7	9.0	9.4	14.7	13.2	12.3
Capiz	21.9	33.0	684.1	939.4	824.1	779.9	720.9	783.7	471.2	457.7
Guimaras	209.5	166.4	175.4	202.8	147.6	130.3	161.1	93.5	103.7	111.8
Iloilo	814.9	774.3	1,069.2	335.5	271.4	474.7	396.4	171.2	224.4	191.8
Negros Occidental	765.0	817.8	1,010.3	794.9	1,173.0	1,257.3	871.8	1,129.9	680.1	588.1
Central Visayas	433.0	378.4	299.6	292.6	370.1	267.4	335.0	539.9	374.2	680.4
Bohol	112.2	53.5	45.9	44.2	58.9	67.9	60.0	94.8	65.6	83.1
Cebu	273.5	286.5	214.9	212.9	283.1	169.2	210.8	318.0	205.5	571.3
Negros Oriental	44.1	35.5	35.5	32.8	26.8	29.0	62.3	125.2	101.1	24.1
Siquijor	3.2	3.0	3.4	2.8	1.3	1.4	1.8	2.0	2.1	1.9
Eastern Visayas	2,020.4	2,036.5	1,421.5	1,199.7	1,011.3	1,341.8	2,049.0	1,310.5	1,609.3	1,505.5
Biliran	..	..	..	..	..	..	..	14.0	17.4	70.0
Eastern Samar	84.6	83.6	91.3	101.1	97.5	86.0	40.5	29.7	45.8	36.7
Leyte	37.0	35.0	16.3	49.8	14.4	56.9	714.0	172.2	251.9	40.8
Northern Samar	468.9	443.9	407.5	381.7	351.2	339.2	318.1	277.9	278.5	280.6
Samar	1,358.7	1,414.7	874.3	632.5	514.4	822.1	961.2	812.0	1,007.6	1,074.8
Southern Leyte	71.1	59.3	32.2	34.7	33.8	37.7	15.2	4.7	8.1	2.5
Zamboanga Peninsula	412.6	415.7	1,667.1	2,039.8	1,626.5	1,374.1	973.2	817.8	703.3	669.8
Zamboanga del Norte	3.6	2.1	8.0	5.6	9.3	5.5	5.9	8.4	9.2	9.2
Zamboanga del Sur	217.6	268.9	251.2	292.7	312.2	324.5	280.5	195.7	188.4	290.6
Zamboanga Sibugay	149.7	108.4	1,372.8	1,711.9	1,207.0	951.5	658.7	592.2	482.1	341.1
City of Zamboanga	41.7	36.3	35.2	29.6	98.0	92.6	28.1	21.5	23.6	28.8
Nothern Mindanao	1,010.6	817.3	419.0	423.1	433.4	419.7	489.9	567.0	577.1	594.9
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	1.5	4.1	4.8	6.1	4.8	4.3	4.5	4.1	4.2	7.7
Lanao del Norte	536.7	415.9	246.1	256.9	218.6	215.9	272.7	256.4	253.8	260.8
Misamis Occidental	453.8	380.0	164.9	150.5	147.2	184.8	200.2	287.8	293.8	299.1
Misamis Oriental	18.7	17.3	3.2	9.7	62.9	14.8	12.4	18.8	25.3	27.3
Davao Region	244.9	300.1	200.1	199.7	156.1	114.7	124.3	68.6	73.2	87.8
Compostela Valley	28.9	16.5	8.8	7.3	7.8	7.9	13.0	17.1	21.9	24.0
Davao del Norte	36.3	12.9	22.3	15.0	3.9	5.7	7.6	7.9	8.8	13.8
Davao del Sur	158.8	216.4	103.6	87.7	40.7	37.8	67.7	21.8	29.9	23.6
Davao Occidental	.	.	.	.	.	.	.	.	.	8.8
Davao Oriental	8.9	50.4	63.2	87.9	102.9	59.4	31.0	20.9	10.4	14.8
City of Davao	12.0	3.9	2.2	1.8	0.9	3.9	5.0	0.8	2.3	2.8
SOCCSKSARGEN	34.8	28.5	33.5	39.3	22.4	15.0	8.4	17.0	12.8	10.6
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	15.0	9.6	12.5	22.8	7.4	3.7	..	7.8	0.5	1.5
Sultan Kudarat	17.6	17.0	19.8	15.9	13.8	10.6	8.2	7.2	7.9	7.3
South Cotabato	2.1	2.0	1.2	0.7	1.2	0.7	0.2	2.0	4.4	1.8
Caraga	113.0	128.0	93.5	121.5	127.7	145.5	170.2	201.1	150.9	238.0
Agusan del Norte	10.1	7.2	7.8	7.2	9.5	13.2	30.2	24.5	21.8	19.9
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	..	..	3.0	9.2
Surigao del Norte	81.6	94.7	64.6	94.2	65.9	86.9	75.2	70.3	49.6	30.3
Surigao del Sur	21.3	26.1	21.1	20.1	52.3	45.4	64.8	106.3	76.6	178.5
ARMM	1,824.1	1,712.2	1,493.8	1,049.6	1,441.8	1,318.1	1,138.7	1,213.2	1,769.5	1,432.5
Basilan	0.3	..	..	..	..	..	0.3	..	..	..
Lanao del Sur	922.5	921.5	921.5	356.4	698.3	570.6	346.0	360.9	890.4	509.6
Maguindanao	75.2	..	..	..	..	0.5	..	..	..	..
Sulu	110.2	108.6	83.2	77.4	72.9	64.7	37.3	33.3	31.7	34.0
Tawi-tawi	716.0	682.1	489.1	615.8	670.6	682.3	755.1	819.0	847.4	888.8

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Parrot Fish (Loro)										
Philippines	**15,008.9**	**14,343.0**	**14,518.4**	**14,867.2**	**14,466.7**	**14,212.7**	**13,555.4**	**13,548.7**	**12,613.3**	**12,879.2**
NCR	0.2	..	..	..	..	0.8	6.1	18.0	15.1	17.4
Metro Manila	0.2	..	..	..	..	0.8	6.1	18.0	15.1	17.4
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	154.5	155.7	196.1	239.9	185.1	283.7	226.5	192.0	178.9	160.3
Ilocos Norte	36.9	46.9	152.2	189.5	143.7	222.1	175.7	135.2	113.1	106.4
Ilocos Sur	43.5	38.4	15.6	10.7	9.7	6.6	4.5	4.6	6.4	3.3
La Union	41.0	37.4	4.5	4.8	5.5	6.6	6.5	7.4	8.5	18.1
Pangasinan	33.0	33.0	23.7	34.8	26.3	48.4	39.7	44.8	50.9	32.5
Cagayan Valley	439.2	446.3	391.1	402.1	490.0	493.3	478.8	575.1	555.3	543.0
Cagayan	433.2	435.2	384.3	374.7	444.1	430.4	425.5	519.8	500.1	486.0
Isabela	5.7	4.8	6.8	6.8	9.8	9.9	10.9	10.1	10.0	10.2
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	29.6	28.9	59.3	59.4	59.7	57.6	60.1	218.2	220.9	161.8
Aurora	2.9	2.0	1.5	1.4	1.5	1.5	0.3	0.1	0.1	0.1
Bataan	0.2	0.3	2.1	1.6	1.6	2.1	18.6	0.1	4.6	48.6
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	26.5	26.6	55.7	56.4	56.5	54.1	41.1	218.0	216.3	113.1
CALABARZON	167.0	91.5	55.0	36.1	35.3	117.8	571.3	120.7	136.0	86.9
Batangas	140.1	87.2	39.2	36.1	35.3	88.5	66.7	61.7	55.3	46.7
Cavite	..	..	..	..	..	..	..	28.7	32.7	23.8
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	26.9	4.3	15.8	..	..	29.3	504.7	30.2	48.0	16.4
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,612.2	3,179.1	3,783.5	4,150.1	3,812.6	3,623.1	2,814.3	2,804.8	2,687.7	3,246.7
Marinduque	19.8	20.9	23.2	22.4	26.6	29.3	32.2	33.3	35.2	57.1
Occidental Mindoro	63.3	59.2	58.3	58.2	66.1	67.2	66.2	67.9	85.5	136.8
Oriental Mindoro	27.9	27.3	36.4	34.8	36.3	34.1	0.3	11.1	19.3	9.0
Palawan	2,323.5	2,915.0	3,558.3	3,918.3	3,555.1	3,372.5	2,616.1	2,535.8	2,434.0	2,913.3
Romblon	177.6	156.8	107.2	116.4	128.5	120.1	99.5	156.6	113.9	130.4
Bicol Region	855.3	1,024.0	681.9	851.5	784.1	661.1	498.5	450.9	456.3	538.4
Albay	42.3	44.9	44.1	16.5	..	..	2.1	7.7	5.4	3.0
Camarines Norte	412.6	390.6	320.1	398.3	398.3	325.3	219.8	24.3	5.4	23.2
Camarines Sur	29.6	27.2	24.1	20.1	19.2	16.4	16.0	33.3	55.8	57.2
Catanduanes	80.9	41.7	67.8	77.5	74.5	78.4	59.0	44.4	24.9	27.1
Masbate	286.5	270.5	208.5	230.3	156.8	85.2	61.8	237.0	306.0	302.1
Sorsogon	3.5	249.0	17.3	108.8	135.3	155.9	140.0	104.3	58.8	125.9
Western Visayas	966.3	847.9	497.6	493.4	501.2	537.7	271.3	351.3	195.7	244.7
Aklan	15.8	17.1	18.7	18.6	29.9	48.0	46.5	30.1	32.0	0.1
Antique	33.6	29.2	32.7	35.0	36.3	31.5	34.1	20.8	13.8	14.5
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	224.7	155.9	176.4	167.1	144.2	87.8	138.6	87.4	79.0	88.8
Iloilo	100.7	..	..	1.1	2.2	4.4	0.5	166.1	15.7	72.3
Negros Occidental	591.5	645.7	269.8	271.6	288.6	366.2	51.6	47.0	55.2	68.9
Central Visayas	1,439.1	1,363.2	1,461.7	1,414.3	1,647.8	1,670.0	1,868.3	2,073.4	2,053.2	1,832.4
Bohol	261.9	273.7	252.6	287.6	278.1	350.0	237.1	355.5	215.0	468.1
Cebu	1,055.3	978.0	1,093.0	1,007.0	1,258.2	1,192.6	1,471.4	1,583.5	1,683.0	1,212.9
Negros Oriental	38.8	31.5	35.9	30.4	19.8	21.5	43.5	13.4	17.0	25.8
Siquijor	83.2	80.1	80.2	89.4	91.7	105.9	116.3	121.0	138.3	125.6
Eastern Visayas	761.5	736.8	879.7	873.6	748.9	693.1	879.8	672.8	481.4	591.4
Biliran	5.7	5.8	8.7	8.0	7.1	4.7	12.6	40.1	72.7	104.7
Eastern Samar	515.6	486.0	525.0	505.7	480.4	419.1	469.9	188.1	174.9	111.9
Leyte	9.5	15.5	1.0	..	..	1.4	86.2	116.6	6.5	149.3
Northern Samar	174.4	117.3	160.9	173.9	174.9	182.3	195.3	208.2	163.5	135.9
Samar	..	..	75.8	143.0	31.5	45.7	81.3	76.0	46.6	47.6
Southern Leyte	56.3	112.2	108.4	42.9	55.0	39.9	34.4	43.8	17.2	42.1
Zamboanga Peninsula	982.6	1,154.2	1,290.1	1,522.9	1,217.9	1,244.2	1,344.4	1,034.2	983.0	1,147.8
Zamboanga del Norte	4.2	3.5	3.5	5.2	8.8	6.8	7.6	6.4	6.5	6.0
Zamboanga del Sur	396.8	380.0	358.2	397.8	434.9	437.7	434.0	392.8	311.3	472.5
Zamboanga Sibugay	152.9	366.3	552.7	727.2	396.3	406.2	437.6	196.0	202.1	189.2
City of Zamboanga	428.8	404.5	375.7	392.6	378.0	393.6	465.2	439.1	463.0	480.1
Nothern Mindanao	894.3	733.2	995.8	950.4	965.5	942.9	934.8	937.2	979.6	994.5
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	24.5	35.4	29.4	37.9	41.6	47.3	44.3	52.5	54.6	54.6
Lanao del Norte	293.6	296.3	328.2	272.0	252.2	242.6	217.9	195.5	195.0	212.1
Misamis Occidental	561.7	379.0	604.8	611.6	630.9	619.4	625.3	637.0	650.2	628.4
Misamis Oriental	14.5	22.5	33.5	28.9	40.9	33.6	47.3	52.3	79.8	99.5
Davao Region	975.3	614.2	560.8	349.2	279.7	184.6	193.7	772.5	594.2	222.7
Compostela Valley	37.7	49.4	27.8	19.3	16.7	23.3	8.2	38.4	21.2	16.4
Davao del Norte	51.1	48.7	42.3	34.1	30.3	13.9	21.8	17.9	46.0	15.1
Davao del Sur	11.5	49.8	46.0	34.0	79.0	27.7	11.0	589.1	395.3	45.8
Davao Occidental	.	.	.	.	.	.	.	.	.	23.4
Davao Oriental	860.4	451.9	437.7	257.0	152.7	117.3	152.1	127.1	131.7	121.1
City of Davao	14.7	14.6	7.1	4.9	1.0	2.4	0.6	..	..	0.9
SOCCSKSARGEN	94.2	62.7	85.1	87.1	151.6	33.7	18.4	43.1	41.5	75.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	74.4	45.0	64.6	71.6	139.5	23.3	1.2	14.9	9.4	56.1
Sultan Kudarat	17.7	17.0	19.7	14.9	10.3	8.2	16.1	15.8	20.0	13.0
South Cotabato	2.1	0.8	0.7	0.6	1.8	2.1	1.1	12.4	12.1	6.6
Caraga	2,806.0	2,308.7	2,122.6	1,859.7	1,927.7	1,998.8	1,724.6	1,589.8	1,335.8	1,268.3
Agusan del Norte	3.4	2.8	0.9	1.3	1.3	2.7	12.0	16.3	13.5	12.8
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	204.9	212.1	228.4	226.7
Surigao del Norte	2,138.6	1,874.6	1,645.8	1,346.5	1,391.7	1,470.2	1,011.7	1,016.6	816.4	804.5
Surigao del Sur	664.0	431.3	475.9	511.8	534.7	525.9	496.0	344.8	277.7	224.4
ARMM	1,831.6	1,596.5	1,458.3	1,577.6	1,659.8	1,670.4	1,664.5	1,694.7	1,698.8	1,747.4
Basilan	43.9	41.4	41.0	49.5	50.5	50.6	7.6	1.6	11.8	12.2
Lanao del Sur	..	..	..	..	..	..	..	..	..	15.4
Maguindanao	..	..	..	..	..	5.3	..	..	..	..
Sulu	475.1	461.3	458.1	381.2	367.9	355.4	290.4	271.6	258.0	252.3
Tawi-tawi	1,312.6	1,093.9	959.2	1,146.9	1,241.4	1,259.1	1,366.5	1,421.5	1,429.0	1,467.5

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Porgies (Pargo)										
Philippines	**8,853.5**	**9,304.4**	**10,870.1**	**9,054.8**	**8,877.9**	**7,980.4**	**8,695.2**	**7,970.6**	**8,330.2**	**8,802.9**
NCR	..	..	..	..	..	0.6	1.5	1.0	2.3	5.7
Metro Manila	..	..	..	..	..	0.6	1.5	1.0	2.3	5.7
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	75.5	79.2	42.9	72.3	80.8	61.8	57.0	60.0	60.3	77.2
Ilocos Norte	15.6	18.1	11.5	42.4	70.9	47.6	52.3	53.7	51.8	38.9
Ilocos Sur	51.3	53.2	21.1	21.5	0.9	0.8	0.6	0.8	0.7	25.9
La Union	8.6	8.0	10.3	8.5	9.0	13.3	4.2	5.5	7.8	12.4
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	850.6	838.2	835.7	745.8	770.2	731.3	661.6	787.2	768.9	740.3
Cagayan	848.8	834.8	790.4	699.3	711.4	683.9	622.6	747.4	729.4	696.5
Isabela	1.9	3.4	4.0	3.6	3.8	3.7	4.2	4.0	3.9	4.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	77.9	22.5	18.7	23.3	24.1	39.6	49.2	123.2	234.9	46.4
Aurora	5.2	3.8	0.7	0.7	0.7	0.7	0.4	0.2	0.1	0.1
Bataan	8.2	8.5	12.7	13.6	13.8	14.0	27.3	56.9	8.3	43.8
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	64.5	10.2	5.4	9.0	9.6	24.9	21.4	66.0	226.5	2.5
CALABARZON	288.3	80.8	347.6	424.4	675.0	423.6	249.3	396.8	698.2	143.8
Batangas	84.5	27.2	32.0	24.0	8.7	10.4	28.1	46.1	39.7	44.3
Cavite	25.8	18.6	42.8	96.2	122.8	30.0	30.7	29.2	34.0	90.6
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	178.0	35.1	272.8	304.2	543.6	383.2	190.5	321.4	624.5	8.9
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,102.9	1,256.4	1,178.8	836.8	827.8	931.2	1,088.1	643.6	622.3	833.9
Marinduque	67.3	68.2	67.6	76.9	83.9	87.3	67.0	60.2	47.0	39.8
Occidental Mindoro	158.5	154.3	155.7	163.6	173.4	174.6	155.3	153.0	161.4	171.3
Oriental Mindoro	27.3	26.3	26.3	25.5	27.5	23.7	3.2	60.8	90.3	110.6
Palawan	782.3	941.1	881.5	495.7	481.5	560.1	827.6	298.4	250.8	416.8
Romblon	67.6	66.5	47.7	75.1	61.5	85.5	35.1	71.1	72.8	95.4
Bicol Region	1,236.5	1,159.5	924.9	821.6	551.1	585.6	636.3	465.8	469.7	298.9
Albay	35.7	33.0	56.4	20.9	..	33.9	18.8	9.8	9.9	8.5
Camarines Norte	689.0	653.2	409.0	433.1	362.4	367.3	287.9	36.9	11.6	22.7
Camarines Sur	73.2	73.5	67.1	58.9	55.8	44.7	29.8	18.1	9.9	4.2
Catanduanes	..	..	..	..	..	..	3.0	6.5	19.8	26.4
Masbate	438.6	399.8	390.2	306.4	132.9	139.7	296.8	394.7	418.5	204.9
Sorsogon	..	..	2.2	2.3	..	..	..	..	..	32.1
Western Visayas	1,348.9	1,544.4	3,440.9	1,843.9	1,558.0	1,495.7	1,950.0	1,192.6	783.8	244.7
Aklan	..	..	4.7	3.2	5.8	7.1	35.2	1.5	1.6	3.8
Antique	14.8	15.1	19.3	17.7	19.2	16.8	20.0	14.1	13.2	5.9
Capiz	258.5	267.3	345.9	454.2	313.9	439.1	371.0	159.5	54.0	..
Guimaras	193.4	124.2	190.3	299.6	209.5	215.2	215.0	161.0	108.5	105.9
Iloilo	321.3	634.4	2,647.3	837.5	770.8	570.3	326.1	257.6	128.9	47.5
Negros Occidental	561.0	503.4	233.3	231.7	238.9	247.3	982.7	598.9	477.6	81.7
Central Visayas	78.0	66.4	130.5	162.9	217.6	237.4	434.6	712.0	721.1	2,007.3
Bohol	17.0	19.1	56.3	67.2	128.3	154.7	337.2	495.6	385.6	414.0
Cebu	27.1	18.9	50.8	73.3	72.6	60.1	83.6	203.2	323.6	1,557.2
Negros Oriental	18.1	13.3	11.1	13.1	7.8	13.9	3.3	1.9	1.2	25.2
Siquijor	15.8	15.1	12.4	9.4	9.0	8.8	10.5	11.3	10.8	11.0
Eastern Visayas	148.9	167.3	246.3	264.4	496.9	611.0	730.9	483.0	533.3	703.7
Biliran	0.7	0.1	0.1	0.1	0.0	0.0	0.1	3.9	10.6	64.0
Eastern Samar	..	..	..	77.3	121.5	202.5	328.3	286.6	337.3	382.0
Leyte	..	..	90.8	54.0	..	..	14.8	..	60.3	..
Northern Samar	101.5	115.4	103.5	87.2	70.4	58.1	52.7	59.4	52.4	149.0
Samar	..	..	..	20.4	297.9	345.2	315.2	114.2	25.2	47.6
Southern Leyte	46.7	51.8	51.9	25.5	7.1	5.2	19.8	19.1	47.5	61.1
Zamboanga Peninsula	144.6	199.9	382.3	486.4	177.7	215.5	510.2	790.8	853.7	1,053.2
Zamboanga del Norte	4.3	3.0	2.0	3.7	5.0	2.9	3.1	3.2	2.1	2.0
Zamboanga del Sur	..	..	..	33.0	..	6.2	..	..	23.1	157.0
Zamboanga Sibugay	104.7	169.6	350.0	429.9	125.3	125.5	191.3	359.5	417.3	458.9
City of Zamboanga	35.7	27.2	30.4	19.7	47.4	80.9	315.7	428.0	411.2	435.3
Nothern Mindanao	209.3	291.2	143.0	128.9	168.1	112.4	119.3	149.9	143.5	196.5
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	145.8	217.8	113.9	101.2	115.9	94.4	106.6	109.3	116.6	126.8
Misamis Occidental	44.7	40.7	8.7	8.2	8.1	2.6	2.4	5.1	5.0	5.1
Misamis Oriental	18.7	32.6	20.5	19.5	44.1	15.4	10.4	35.5	21.9	64.6
Davao Region	499.3	483.6	413.0	378.3	267.6	144.0	213.2	193.6	201.1	116.2
Compostela Valley	3.0	2.9	0.5	3.4	..	..	23.4	20.5	20.9	17.4
Davao del Norte	30.7	28.8	28.7	27.1	12.0	7.2	29.0	21.2	14.8	9.7
Davao del Sur	3.6	29.8	23.4	..	..	..	..	40.1	48.6	19.3
Davao Occidental	.	.	.	.	.	.	.	.	.	10.0
Davao Oriental	445.4	400.6	348.4	335.7	244.4	129.1	147.0	97.8	103.0	56.6
City of Davao	16.6	21.6	11.9	12.1	11.2	7.7	13.8	14.0	13.8	3.1
SOCCSKSARGEN	37.5	41.8	20.0	26.6	37.7	10.6	23.2	48.4	10.6	9.9
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	28.0	32.4	11.3	18.9	30.1	4.0	0.4	4.8	2.4	9.0
Sultan Kudarat	8.4	7.4	7.8	6.8	6.8	6.5	1.8	1.8	0.6	0.8
South Cotabato	1.1	2.0	0.9	1.0	0.9	0.0	20.9	41.8	7.7	0.1
Caraga	688.8	975.7	936.1	695.0	765.3	802.5	836.7	778.8	878.3	846.7
Agusan del Norte	8.3	6.3	3.4	1.0	1.1	0.6	0.6	0.5	0.5	0.5
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	112.5	85.8	101.3	108.3
Surigao del Norte	651.6	944.3	909.3	672.9	749.2	789.7	632.8	588.9	670.3	647.7
Surigao del Sur	28.8	25.2	23.4	21.2	15.0	12.2	90.8	103.6	106.3	90.2
ARMM	2,066.4	2,097.7	1,809.5	2,144.2	2,260.0	1,577.6	1,134.2	1,144.0	1,348.1	1,478.4
Basilan	60.1	55.8	49.0	41.1	40.7	40.3	7.3	..	14.6	15.0
Lanao del Sur	684.2	685.6	685.8	971.9	1,111.3	354.3	..	..	..	44.3
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	217.1	208.8	212.1	207.9	204.1	191.7	176.1	171.1	174.2	195.9
Tawi-tawi	1,105.1	1,147.4	862.6	923.3	904.1	991.3	950.8	973.0	1,159.3	1,223.2

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Round Herring (Tulis)										
Philippines	**6,528.1**	**7,553.9**	**5,633.3**	**5,842.4**	**5,146.6**	**4,814.5**	**6,891.2**	**5,269.6**	**4,198.8**	**4,485.7**
NCR	0.4	..	0.2	..	1.2	..	0.3	2.2	1.6	1.7
Metro Manila	0.4	..	0.2	..	1.2	..	0.3	2.2	1.6	1.7
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	63.3	61.3	50.9	46.3	91.9	91.9	62.5	61.9	60.7	67.6
Ilocos Norte	47.1	46.1	26.3	27.6	69.4	48.6	48.8	54.6	45.9	21.7
Ilocos Sur	..	..	..	..	..	0.3	0.2	0.4	1.0	2.4
La Union	16.0	15.2	24.6	18.7	22.4	43.0	11.9	5.3	12.3	42.5
Pangasinan	0.1	..	..	..	..	..	1.5	1.5	1.4	1.1
Cagayan Valley	6.6	9.3	10.0	18.3	9.8	17.7	22.2	19.0	16.1	14.0
Cagayan	3.3	7.0	7.2	15.6	6.8	14.8	18.2	15.3	12.5	10.2
Isabela	3.3	2.3	2.9	2.7	3.0	2.9	4.0	3.7	3.6	3.8
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	89.4	82.8	66.2	66.3	67.2	64.6	93.0	363.4	288.4	179.6
Aurora	16.4	15.1	10.8	10.9	11.8	11.9	10.0	8.8	7.5	6.5
Bataan	68.2	61.1	52.2	51.9	51.2	50.2	81.6	131.6	72.6	147.9
Bulacan	..	..	..	..	..	..	..	..	..	0.3
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	..	..	..	7.1
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	4.9	6.6	3.3	3.6	4.2	2.5	1.3	223.1	208.4	17.8
CALABARZON	99.9	517.5	444.0	41.3	30.2	47.5	35.6	5.5	3.0	9.4
Batangas	96.0	113.2	81.7	37.0	22.7	4.7	3.8	5.4	3.0	1.3
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	3.9	404.3	362.3	4.3	7.5	42.8	31.8	0.1	..	8.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	1,490.3	2,022.9	1,638.6	2,209.8	1,291.6	363.3	578.8	838.0	906.9	923.0
Marinduque	..	..	..	..	..	..	13.8	15.6	15.4	20.5
Occidental Mindoro	27.8	27.6	28.4	29.4	30.2	30.6	30.6	32.8	32.0	22.4
Oriental Mindoro	3.5	2.8	7.0	32.7	34.5	33.6	23.8	25.0	33.2	73.6
Palawan	1,409.9	1,949.0	1,593.1	2,130.2	1,218.1	287.3	473.3	705.4	783.0	796.6
Romblon	49.1	43.6	10.1	17.5	8.8	11.9	37.3	59.2	43.4	9.9
Bicol Region	233.3	244.1	380.1	625.9	1,201.2	1,403.2	1,478.0	921.2	1,171.4	467.7
Albay	77.4	72.6	177.4	202.6	198.4	176.7	174.7	170.8	172.4	149.7
Camarines Norte	19.8	7.2	0.1	0.5	0.9	3.9	4.3	3.7	1.5	1.2
Camarines Sur	124.1	128.5	126.9	118.6	130.2	120.4	82.4	122.0	113.9	108.4
Catanduanes	12.0	30.6	12.1	20.7	19.5	17.0	12.8	15.6	9.0	4.0
Masbate	..	5.2	63.6	283.5	852.2	1,085.2	1,203.9	609.1	874.5	204.5
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	2,610.7	2,991.2	1,530.0	1,673.9	1,473.3	1,917.3	3,568.5	2,085.2	523.4	740.8
Aklan	82.6	75.9	66.5	68.5	68.7	72.3	63.0	65.8	55.2	58.1
Antique	0.5	0.5	1.1	2.0	2.4	1.9	2.6	4.0	4.3	2.9
Capiz	..	2.4	2.1	0.7	..	..	..	..	26.0	..
Guimaras	160.7	86.3	153.6	185.6	192.5	331.8	246.0	113.1	97.3	124.0
Iloilo	2,139.0	2,571.9	1,201.8	1,285.7	1,068.7	1,060.6	2,273.6	918.4	217.2	328.9
Negros Occidental	228.0	254.3	104.9	131.4	140.9	450.7	983.3	983.8	123.4	227.0
Central Visayas	31.3	27.9	38.5	39.3	44.6	50.2	48.7	45.5	81.8	549.3
Bohol	3.8	2.9	9.8	10.3	11.2	20.8	11.4	16.4	6.4	11.8
Cebu	2.8	3.1	6.1	10.0	16.8	8.7	8.9	11.7	58.7	516.7
Negros Oriental	2.4	1.9	1.6	1.7	1.5	3.9	10.5	0.2	2.1	4.4
Siquijor	22.3	20.1	21.0	17.3	15.1	16.8	17.9	17.2	14.6	16.3
Eastern Visayas	234.4	206.3	595.0	236.5	222.1	104.7	105.4	199.0	63.7	244.6
Biliran	7.1	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	1.7	..	..	..	..
Leyte	..	..	314.3	6.8	22.9	..	11.8	..	..	66.6
Northern Samar	172.6	159.4	149.0	121.7	88.0	81.2	74.1	62.8	56.1	145.9
Samar	54.4	45.8	130.5	107.4	111.2	21.8	9.4	108.0	7.4	30.4
Southern Leyte	0.3	1.2	1.2	0.6	..	..	10.2	28.2	0.2	1.8
Zamboanga Peninsula	177.8	230.4	214.2	216.0	191.5	156.6	271.1	83.3	202.7	235.2
Zamboanga del Norte	27.3	27.0	112.3	96.6	16.9	12.2	10.9	8.7	10.2	10.5
Zamboanga del Sur	9.8	2.4	75.4	107.5	101.5	81.8	147.8	71.4	62.7	177.2
Zamboanga Sibugay	140.7	201.0	26.6	11.9	20.8	16.2	112.4	3.3	129.8	47.5
City of Zamboanga	..	..	..	..	52.2	46.3	..	..	..	..
Nothern Mindanao	388.7	289.9	138.8	117.0	105.7	128.4	137.3	117.5	111.8	221.2
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	23.0	18.3	27.2	24.8	23.1	24.5	45.0	38.0	35.8	35.6
Lanao del Norte	166.7	205.8	97.1	78.8	80.7	74.5	75.1	74.1	72.4	71.9
Misamis Occidental	..	..	..	..	..	..	..	..	..	7.1
Misamis Oriental	199.1	65.7	14.5	13.3	1.9	29.4	17.2	5.4	3.7	106.7
Davao Region	41.3	3.4	6.0	37.0	11.5	..	0.4	0.5	7.0	6.6
Compostela Valley	..	..	..	1.1	..	..	0.2	0.5	..	..
Davao del Norte	..	0.2	..	..	..	..	..	..	4.6	3.3
Davao del Sur	..	..	..	..	11.5	..	..	..	0.1	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	41.3	3.2	6.0	35.9	..	..	0.2	..	2.3	3.3
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	8.5	7.9	8.4	6.9	9.0	9.8	23.1	14.9	14.0	0.7
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	..	..	..	..	..	..	16.0	8.4	14.0	0.6
Sultan Kudarat	8.5	7.9	8.4	6.9	9.0	9.8	7.1	6.5	..	0.1
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	176.4	158.0	48.8	21.1	27.5	39.2	68.8	125.4	157.5	134.1
Agusan del Norte	5.0	7.6	3.2	1.2	2.5	3.0	4.4	2.4	1.9	1.2
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	3.2	2.4	2.9	3.4
Surigao del Norte	167.2	146.6	42.8	16.9	12.0	12.6	17.2	21.2	45.3	24.4
Surigao del Sur	4.2	3.7	2.8	3.0	13.1	23.6	44.0	99.3	107.4	105.0
ARMM	876.0	701.1	463.6	486.8	368.4	420.0	397.6	387.3	588.9	690.4
Basilan	..	..	..	..	..	..	31.8	22.8	24.1	25.3
Lanao del Sur	..	..	..	..	..	..	..	..	..	37.2
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	42.4	40.3	35.2	32.6	31.4	28.3	21.5	20.2	18.5	16.6
Tawi-tawi	833.6	660.8	428.4	454.2	337.0	391.8	344.3	344.3	546.2	611.3

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Roundscad (Galunggong)										
Philippines	**73,556.0**	**67,072.4**	**66,328.6**	**70,415.4**	**63,507.5**	**60,658.7**	**55,589.3**	**56,544.3**	**50,941.6**	**47,350.6**
NCR	8.0	4.8	14.0	4.8	1.6	18.5	108.2	295.7	185.8	187.3
Metro Manila	8.0	4.8	14.0	4.8	1.6	18.5	108.2	295.7	185.8	187.3
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	1,306.0	2,289.5	2,432.7	2,255.9	2,280.2	2,194.6	1,493.9	1,437.0	1,643.0	1,848.4
Ilocos Norte	586.6	1,281.0	667.7	787.3	916.0	649.6	408.7	337.8	494.7	547.1
Ilocos Sur	588.3	925.7	1,360.8	1,419.5	1,321.5	1,347.3	1,038.5	1,049.6	1,024.0	1,017.2
La Union	130.6	76.5	398.9	47.1	39.3	166.2	34.2	36.9	27.0	61.4
Pangasinan	0.4	6.2	5.4	2.0	3.4	31.6	12.5	12.6	97.3	222.7
Cagayan Valley	1,201.3	1,173.8	973.1	1,253.0	1,183.9	1,149.3	1,249.7	1,107.0	1,030.8	1,050.9
Cagayan	1,151.2	1,132.7	880.8	1,163.0	1,108.7	1,082.9	1,181.0	1,042.3	973.5	991.6
Isabela	41.5	39.4	50.8	49.9	64.5	62.3	61.7	57.9	50.5	52.6
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	733.8	963.5	833.5	882.4	902.4	900.2	1,219.5	1,295.5	909.6	1,316.6
Aurora	114.9	108.0	105.4	108.6	113.8	115.9	114.3	107.7	105.1	101.1
Bataan	375.4	403.6	368.1	389.7	404.1	421.4	825.7	414.8	95.2	315.6
Bulacan	..	..	..	..	..	..	8.2	5.5	1.8	4.8
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	138.1	144.6	118.4	121.0	114.7	117.9	120.3	113.9	117.3	127.9
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	105.5	307.2	241.5	263.2	269.7	244.9	151.0	653.6	590.3	767.1
CALABARZON	6,567.0	4,846.1	4,586.2	4,664.1	3,989.9	2,873.6	2,145.2	2,152.8	1,882.6	1,935.6
Batangas	2,531.8	2,437.3	2,059.0	2,318.0	1,893.1	1,149.7	1,154.2	1,026.4	816.1	642.7
Cavite	15.0	25.9	13.8	3.9	0.4	..	..	94.2	217.6	310.2
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	4,020.1	2,382.9	2,513.4	2,342.3	2,096.4	1,723.9	991.1	1,032.2	848.9	982.7
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	11,321.7	7,877.9	6,326.0	7,514.5	6,615.4	6,581.7	4,768.0	4,682.5	4,946.2	3,533.3
Marinduque	642.4	660.9	699.6	789.4	820.5	907.3	712.6	729.5	791.0	663.9
Occidental Mindoro	297.3	283.6	278.2	292.8	306.6	313.5	321.7	347.9	342.5	263.6
Oriental Mindoro	511.8	520.3	520.3	641.0	656.9	690.7	487.7	421.3	482.0	402.2
Palawan	9,504.3	6,121.1	4,433.6	5,122.5	4,193.3	4,266.7	2,879.9	2,836.2	2,949.4	1,870.0
Romblon	366.0	292.1	394.4	668.8	638.1	403.5	366.2	347.6	381.4	333.7
Bicol Region	7,435.7	7,624.4	8,398.2	10,674.5	10,026.9	8,166.3	6,988.3	7,009.6	6,137.1	4,736.6
Albay	922.5	996.6	808.3	729.6	909.6	906.1	878.9	832.4	801.1	799.4
Camarines Norte	1,875.2	1,792.8	2,555.6	2,597.4	2,520.4	2,023.5	1,914.3	1,939.5	1,557.7	626.0
Camarines Sur	1,208.5	1,400.7	1,383.3	1,366.3	1,403.6	1,305.7	1,233.0	1,124.5	800.1	688.9
Catanduanes	390.4	391.5	397.5	445.2	388.2	283.5	243.7	228.0	183.6	162.9
Masbate	2,684.3	2,752.1	2,810.1	4,901.2	3,965.9	3,061.1	2,251.7	2,509.9	2,348.9	2,247.9
Sorsogon	354.7	290.7	443.5	634.9	839.2	586.5	466.7	375.3	445.6	211.5
Western Visayas	4,034.5	4,278.1	4,326.2	4,861.3	4,631.3	5,425.9	6,388.1	6,762.4	4,227.6	5,462.2
Aklan	428.0	447.4	523.3	559.4	618.5	649.3	648.3	648.8	677.4	604.3
Antique	1,044.5	914.8	838.6	1,095.6	1,071.0	1,093.8	1,100.2	996.1	811.2	667.6
Capiz	731.9	846.5	872.1	950.4	918.1	738.6	857.8	829.1	394.1	449.8
Guimaras	26.3	21.8	15.8	2.6	2.0	1.5	44.9	37.5	29.5	45.6
Iloilo	172.5	203.9	820.3	701.7	946.7	1,368.4	679.0	659.5	304.2	724.7
Negros Occidental	1,631.4	1,843.7	1,256.1	1,551.7	1,075.1	1,574.3	3,057.9	3,591.4	2,011.2	2,970.3
Central Visayas	4,452.3	4,034.5	4,700.2	4,993.8	3,459.0	3,415.0	3,721.3	3,450.5	4,664.9	3,532.4
Bohol	338.6	248.8	292.6	331.9	220.7	274.7	314.3	279.2	119.1	399.8
Cebu	3,416.9	3,084.4	3,729.6	3,971.7	2,647.1	2,573.6	2,899.7	2,880.8	4,188.6	2,601.8
Negros Oriental	542.1	555.3	529.4	542.7	459.1	443.0	362.3	148.8	210.3	355.2
Siquijor	154.7	146.1	148.6	147.6	132.1	123.7	145.0	141.7	146.8	175.7
Eastern Visayas	11,701.1	9,148.9	8,124.5	8,343.4	6,939.1	6,272.9	5,672.2	6,414.0	4,476.0	2,986.2
Biliran	1,007.3	939.4	933.2	699.1	706.9	705.6	825.3	596.6	496.4	480.9
Eastern Samar	681.4	603.0	1,411.1	1,457.6	1,517.8	1,554.0	1,722.2	1,982.6	1,316.7	498.9
Leyte	3,286.5	2,685.8	1,506.4	1,669.4	902.9	1,027.8	348.5	463.9	382.0	399.1
Northern Samar	1,070.9	909.7	1,014.5	1,092.3	1,082.1	1,095.1	1,080.4	1,060.3	958.4	846.8
Samar	5,236.1	3,651.1	2,967.9	3,036.8	2,297.4	1,423.0	1,298.0	1,953.6	1,094.2	532.9
Southern Leyte	418.9	359.9	291.5	388.3	431.9	467.4	397.8	357.1	228.3	227.6
Zamboanga Peninsula	9,522.2	9,501.2	10,834.0	9,484.9	8,543.0	8,223.6	6,972.8	6,777.5	6,549.3	7,015.8
Zamboanga del Norte	1,826.1	2,080.8	2,344.9	1,444.0	1,215.3	905.8	1,076.6	851.9	799.4	824.4
Zamboanga del Sur	381.1	323.2	858.8	971.2	1,056.5	1,070.2	1,287.0	1,427.1	1,595.2	1,898.0
Zamboanga Sibugay	1,286.6	857.0	1,215.5	1,106.1	812.2	622.6	188.3	52.5	125.7	170.1
City of Zamboanga	6,028.3	6,240.3	6,414.9	5,963.7	5,459.0	5,625.1	4,420.8	4,446.1	4,029.1	4,123.2
Nothern Mindanao	1,854.5	2,243.6	1,794.1	1,953.4	2,029.6	2,231.4	2,514.7	2,624.6	2,560.6	2,367.9
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	28.1	26.5	35.4	47.0	30.0	26.6	53.7	67.0	35.9	17.8
Lanao del Norte	845.5	766.6	941.0	1,033.4	1,039.9	1,072.9	1,173.1	1,126.4	1,142.7	1,148.3
Misamis Occidental	773.0	1,105.9	637.7	672.3	697.1	696.4	707.5	721.9	701.0	698.2
Misamis Oriental	207.9	344.5	180.0	200.7	262.7	435.4	580.5	709.2	681.0	503.6
Davao Region	2,029.1	1,453.6	1,333.9	1,956.7	1,370.3	1,586.6	1,850.5	2,348.5	1,223.9	1,006.2
Compostela Valley	469.9	310.9	194.7	172.0	131.2	121.0	91.3	53.2	36.4	30.5
Davao del Norte	140.2	132.9	153.3	140.0	88.0	47.4	168.1	70.2	71.4	126.8
Davao del Sur	873.4	187.1	341.0	1,117.3	799.7	818.6	752.8	644.4	318.4	46.3
Davao Occidental	.	.	.	.	.	.	.	.	.	95.9
Davao Oriental	428.2	749.1	586.7	473.0	297.8	446.4	612.3	1,486.2	764.5	672.9
City of Davao	117.4	73.6	58.2	54.3	53.7	153.2	226.0	94.5	33.2	33.9
SOCCSKSARGEN	3,283.7	3,251.9	2,676.1	2,694.1	2,582.4	2,533.6	2,085.5	1,918.3	1,328.3	973.9
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	2,059.7	1,932.3	1,468.9	1,481.4	1,437.4	1,306.4	839.9	578.0	412.1	584.6
Sultan Kudarat	1,061.0	1,050.7	991.1	984.4	957.4	1,065.2	1,014.7	1,137.9	625.7	273.9
South Cotabato	163.1	269.0	216.1	228.3	187.5	162.0	230.9	202.4	290.5	115.4
Caraga	1,961.6	2,128.8	2,446.8	2,029.4	1,837.1	1,661.1	1,927.9	1,734.6	1,880.3	1,534.1
Agusan del Norte	98.7	70.0	150.5	159.5	170.1	149.9	152.9	138.1	159.5	155.7
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	162.8	177.5	173.5	179.1
Surigao del Norte	1,370.2	1,406.6	1,454.3	1,164.4	1,219.1	1,114.8	1,072.2	1,041.5	1,159.6	917.6
Surigao del Sur	492.6	652.3	842.0	705.5	447.9	396.4	539.9	377.6	387.8	281.8
ARMM	6,143.6	6,251.8	6,529.1	6,849.1	7,115.5	7,424.5	6,483.6	6,533.9	7,295.6	7,863.4
Basilan	1,682.0	1,782.1	1,783.7	1,826.5	1,840.8	1,864.1	655.2	774.8	764.3	771.5
Lanao del Sur	164.8	161.1	160.9	217.2	266.7	273.0	161.1	168.4	367.9	772.0
Maguindanao	737.5	759.2	856.3	868.2	883.3	880.0	931.9	1,011.2	1,066.7	1,110.3
Sulu	2,328.5	2,337.0	2,470.0	2,437.1	2,538.4	2,698.5	2,946.9	2,784.6	2,996.2	2,967.3
Tawi-tawi	1,230.9	1,212.4	1,258.3	1,500.2	1,586.3	1,708.9	1,788.6	1,794.9	2,100.5	2,242.2

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid (Samaral)										
Philippines	**24,386.9**	**24,533.4**	**24,652.2**	**25,114.0**	**24,584.9**	**23,826.7**	**22,253.6**	**21,758.2**	**22,179.9**	**23,796.3**
NCR	19.7	22.2	31.3	28.7	20.1	20.5	10.1	18.1	20.3	64.0
Metro Manila	19.7	22.2	31.3	28.7	20.1	20.5	10.1	18.1	20.3	64.0
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	270.2	319.9	579.0	634.5	665.1	764.6	726.9	825.6	1,021.7	849.2
Ilocos Norte	15.8	27.0	376.6	358.2	305.8	354.0	313.2	336.1	152.9	55.8
Ilocos Sur	64.3	78.7	48.0	29.6	12.3	15.5	8.0	6.3	6.2	4.0
La Union	27.4	25.9	10.1	8.3	9.6	11.0	4.4	7.5	15.0	25.5
Pangasinan	162.6	188.3	144.4	238.4	337.4	384.1	401.4	475.7	847.5	764.0
Cagayan Valley	168.0	159.4	141.2	127.5	123.8	118.8	98.6	79.6	73.5	74.5
Cagayan	148.8	150.3	116.5	103.2	96.2	80.9	72.0	50.4	44.5	42.7
Isabela	4.3	3.7	5.9	4.6	6.8	6.8	7.2	6.8	6.7	7.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	49.0	47.6	60.9	60.5	63.0	60.5	59.3	230.4	249.9	505.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	16.7	17.4	21.2	22.3	23.9	24.1	24.6	73.1	118.7	455.1
Bulacan	..	..	..	..	..	..	0.5	0.0	..	0.2
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	..	4.8	4.4	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	32.3	30.1	39.7	38.2	39.1	36.4	29.4	152.9	131.1	49.9
CALABARZON	1,179.6	875.6	771.7	1,035.0	1,011.3	812.4	1,089.8	552.0	576.0	664.8
Batangas	85.3	53.8	48.2	32.6	22.9	23.0	55.1	55.8	49.2	97.6
Cavite	13.4	1.6	8.7	4.0	4.5	13.0	11.9	42.9	19.6	144.6
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,080.9	820.2	714.8	998.4	983.9	776.5	1,022.9	453.3	507.2	422.6
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	4,020.5	4,675.0	5,129.0	5,742.1	5,371.4	5,899.3	4,806.3	4,441.3	4,882.0	5,571.7
Marinduque	105.0	101.1	90.4	98.6	91.4	92.8	81.3	92.9	116.2	121.5
Occidental Mindoro	108.9	104.4	106.8	113.9	127.1	128.8	126.2	114.7	129.8	110.1
Oriental Mindoro	45.3	44.2	35.9	28.8	32.2	28.1	35.3	42.1	23.9	31.4
Palawan	3,673.6	4,330.7	4,826.4	5,439.4	5,061.8	5,575.3	4,495.5	4,048.7	4,488.4	5,163.6
Romblon	87.8	94.7	69.5	61.5	58.9	74.3	67.9	142.9	123.6	145.0
Bicol Region	3,667.0	3,950.4	3,878.1	3,855.5	3,639.6	3,773.8	3,015.7	2,657.5	1,999.1	2,121.1
Albay	115.1	85.4	50.2	23.9	..	155.9	152.8	119.4	138.3	135.0
Camarines Norte	770.2	725.0	818.8	827.4	727.6	595.6	385.7	225.5	62.8	74.0
Camarines Sur	1,658.7	1,926.4	1,957.5	1,917.5	2,015.2	1,939.1	1,336.7	1,287.6	1,020.6	822.2
Catanduanes	362.6	415.5	304.4	253.5	184.4	146.1	110.4	106.3	95.6	78.8
Masbate	256.5	320.0	382.1	456.0	454.1	369.2	501.7	480.3	251.0	181.3
Sorsogon	504.0	478.1	365.1	377.1	258.4	568.0	528.4	438.3	430.8	829.8
Western Visayas	1,130.0	854.6	605.4	786.7	834.8	880.7	809.7	789.0	584.2	757.6
Aklan	188.1	193.9	149.1	167.0	214.8	259.3	238.7	236.1	194.3	172.4
Antique	88.7	76.1	86.7	86.8	89.1	98.1	99.0	103.9	75.8	29.6
Capiz	..	..	..	..	..	..	..	..	..	0.3
Guimaras	216.7	123.3	193.1	348.6	341.3	338.2	325.9	252.7	181.8	213.1
Iloilo	83.6	23.0	..	43.0	23.5	47.8	104.0	132.4	73.1	181.0
Negros Occidental	553.0	438.5	176.5	141.3	166.1	137.3	42.1	63.9	59.2	161.2
Central Visayas	3,658.8	3,601.5	3,941.0	3,598.8	3,398.9	3,108.2	3,225.8	3,688.5	4,516.0	4,338.8
Bohol	781.9	825.8	651.5	566.1	465.1	444.4	794.3	1,098.8	1,480.8	1,616.5
Cebu	2,727.1	2,640.8	3,153.6	2,905.6	2,811.0	2,527.3	2,269.8	2,398.2	2,829.9	2,548.2
Negros Oriental	66.8	49.5	44.6	35.1	25.9	24.1	38.6	65.0	69.2	37.4
Siquijor	83.1	85.5	91.3	92.1	97.0	112.4	123.1	126.5	136.0	136.8
Eastern Visayas	1,667.6	1,634.0	1,706.4	1,383.8	1,529.4	1,461.0	1,967.4	1,372.6	1,554.2	1,794.8
Biliran	99.8	1.4	0.2	0.2	0.2	0.2	11.3	26.8	57.7	81.0
Eastern Samar	646.0	653.0	549.9	497.4	553.9	435.6	676.0	405.4	322.7	423.8
Leyte	26.2	16.1	14.7	40.0	56.7	58.7	118.1	80.8	160.3	295.2
Northern Samar	360.6	359.9	400.6	406.8	426.7	437.0	461.3	492.6	450.2	425.4
Samar	453.2	514.8	671.7	411.6	481.3	513.4	639.0	342.4	553.5	511.8
Southern Leyte	81.9	88.9	69.3	27.8	10.7	16.1	61.8	24.7	9.9	57.6
Zamboanga Peninsula	1,328.9	1,442.8	1,034.2	1,277.8	1,574.0	1,615.5	1,190.2	1,642.6	1,430.6	1,888.4
Zamboanga del Norte	6.3	2.9	10.4	7.1	16.0	11.3	17.1	22.7	23.3	24.0
Zamboanga del Sur	422.6	463.4	475.3	542.7	567.0	540.2	475.3	868.8	655.5	808.8
Zamboanga Sibugay	475.8	553.3	379.7	577.4	589.1	626.6	419.8	442.9	401.6	673.7
City of Zamboanga	424.2	423.2	168.8	150.6	401.8	437.5	278.0	308.2	350.2	382.0
Nothern Mindanao	652.3	647.3	1,073.5	1,012.4	1,072.5	1,059.2	1,082.9	1,099.3	1,091.4	1,053.8
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	3.2	4.6	5.0	5.9	7.7	8.2	8.0	9.7	13.5	11.0
Lanao del Norte	253.9	214.7	260.5	211.8	228.4	210.9	206.2	236.7	246.0	227.3
Misamis Occidental	366.0	417.7	730.1	745.3	771.7	774.7	819.5	779.2	731.1	695.5
Misamis Oriental	29.2	10.3	78.0	49.4	64.8	65.4	49.2	73.7	100.9	120.1
Davao Region	1,204.8	771.3	596.6	502.9	464.2	240.9	287.7	563.3	549.9	334.2
Compostela Valley	39.0	25.9	12.6	11.6	11.6	14.9	18.6	25.8	18.9	18.7
Davao del Norte	51.1	27.0	34.6	27.7	19.8	10.9	37.2	27.9	44.6	16.5
Davao del Sur	386.3	313.9	267.8	227.0	243.0	54.4	81.1	387.0	296.5	137.7
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	692.1	371.6	262.5	219.2	174.4	111.0	149.0	110.1	166.4	154.0
City of Davao	36.2	33.0	19.1	17.4	15.3	49.7	1.9	12.6	23.5	7.2
SOCCSKSARGEN	53.4	56.5	85.5	43.0	36.6	34.8	15.7	38.8	40.5	47.1
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	18.6	22.7	52.7	17.8	9.7	18.8	0.0	0.2	3.6	17.3
Sultan Kudarat	32.8	32.0	31.9	24.4	26.2	13.2	14.0	13.5	16.2	29.3
South Cotabato	2.0	1.8	0.9	0.8	0.8	2.8	1.7	25.1	20.7	0.5
Caraga	3,215.0	3,235.0	3,015.6	2,541.8	2,099.0	1,818.5	1,828.5	1,649.4	1,324.6	1,255.6
Agusan del Norte	2.5	5.8	3.7	4.1	4.2	3.5	5.6	4.5	4.0	4.0
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	178.0	173.5	158.6	159.2
Surigao del Norte	2,005.5	1,901.6	1,560.5	1,084.8	1,204.0	1,128.8	943.1	912.6	756.4	621.0
Surigao del Sur	1,207.0	1,327.6	1,451.4	1,453.0	890.7	686.2	701.7	558.8	405.6	471.4
ARMM	2,102.1	2,240.5	2,002.8	2,483.1	2,681.2	2,158.1	2,039.0	2,110.2	2,266.0	2,475.5
Basilan	29.4	31.5	29.5	24.6	25.5	25.9	19.0	17.5	23.5	24.7
Lanao del Sur	218.0	217.9	217.6	566.8	755.1	250.9	..	..	..	169.1
Maguindanao	153.0	193.4	221.9	233.3	229.6	217.4	228.2	295.6	318.7	312.6
Sulu	546.1	545.7	526.5	526.6	527.6	538.8	545.5	565.6	579.8	559.3
Tawi-tawi	1,155.5	1,252.0	1,007.4	1,131.8	1,143.4	1,125.2	1,246.3	1,231.6	1,344.0	1,409.7

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Skipjack (Gulyasan)										
Philippines	**50,480.8**	**49,403.8**	**41,355.0**	**40,968.4**	**39,269.7**	**34,392.3**	**30,497.0**	**29,892.6**	**29,026.2**	**27,582.4**
NCR	111.5	244.9	132.3	103.4	61.8	166.9	208.1	202.1	141.7	141.6
Metro Manila	111.5	244.9	132.3	103.4	61.8	166.9	208.1	202.1	141.7	141.6
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	6,158.0	5,792.3	2,810.1	3,260.8	3,467.5	2,383.1	1,669.8	1,697.6	1,628.1	1,364.5
Ilocos Norte	2,053.8	2,226.7	759.2	803.5	1,193.9	449.6	251.8	329.4	292.1	168.4
Ilocos Sur	970.1	844.8	600.0	495.2	462.1	410.8	384.3	263.5	270.5	214.7
La Union	1,315.7	876.2	369.1	1,009.8	1,083.1	513.2	48.8	53.1	16.1	44.5
Pangasinan	1,818.5	1,844.6	1,081.8	952.3	728.4	1,009.6	985.0	1,051.6	1,049.3	936.9
Cagayan Valley	332.7	316.5	315.2	370.0	455.5	480.1	489.5	392.0	345.1	306.6
Cagayan	304.3	295.2	277.5	336.6	422.8	462.0	470.4	373.0	326.2	287.2
Isabela	17.7	13.5	12.8	10.5	13.4	13.3	14.5	14.1	14.0	14.3
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	2,206.6	2,570.6	2,025.9	2,114.6	2,105.0	1,868.1	1,566.7	807.6	859.4	1,478.1
Aurora	307.9	296.3	232.4	227.7	236.2	240.8	242.9	244.7	244.0	227.7
Bataan	49.8	48.9	55.2	57.0	56.6	58.5	108.3	14.8	47.2	179.7
Bulacan	..	..	..	..	..	..	..	..	..	0.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	3.5	3.4	..	..	..	..	4.6	..	..
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	1,848.9	2,221.9	1,734.9	1,829.9	1,812.2	1,568.7	1,215.5	543.4	568.3	1,070.6
CALABARZON	1,202.4	1,658.3	1,111.6	922.5	1,013.2	461.4	517.4	558.5	695.5	930.2
Batangas	913.4	1,049.7	543.4	458.6	665.4	395.3	463.8	487.9	483.2	500.5
Cavite	..	..	..	..	..	..	..	..	88.2	124.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	289.0	608.6	568.2	463.9	347.9	66.0	53.6	70.6	124.1	305.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	6,398.2	6,566.1	5,260.0	4,356.4	4,608.5	4,164.9	3,412.3	3,060.3	2,503.9	2,199.8
Marinduque	319.8	336.2	366.2	349.9	380.2	361.8	384.3	435.1	440.8	473.7
Occidental Mindoro	402.4	364.7	368.2	383.5	397.4	405.5	415.1	370.1	299.3	323.5
Oriental Mindoro	811.7	803.9	769.0	652.4	676.7	583.2	476.7	445.3	595.2	507.2
Palawan	4,517.0	4,775.0	3,572.6	2,781.2	2,993.9	2,691.2	1,953.3	1,652.9	1,007.9	767.0
Romblon	347.4	286.3	184.1	189.3	160.3	123.3	183.0	156.9	160.6	128.3
Bicol Region	2,819.2	2,503.5	3,565.5	4,091.0	3,446.1	2,232.7	2,121.1	2,102.0	1,506.4	1,645.0
Albay	539.0	281.4	226.7	41.5	..	3.2	54.8	114.6	105.9	103.6
Camarines Norte	1,390.0	1,325.6	1,225.2	1,533.5	1,428.9	1,347.7	1,381.8	1,215.9	809.1	699.3
Camarines Sur	533.1	512.7	473.7	485.6	497.7	471.3	348.4	363.9	292.7	138.6
Catanduanes	263.4	308.3	389.0	489.9	456.0	312.2	255.4	250.5	179.5	171.9
Masbate	76.2	75.5	32.1	158.9	120.5	0.5	11.6	3.6	87.7	192.3
Sorsogon	17.6	..	1,218.9	1,381.6	943.0	97.7	69.1	153.6	31.5	339.3
Western Visayas	3,714.0	3,020.3	1,675.4	2,202.7	2,321.5	2,173.5	1,370.8	1,204.7	1,148.1	924.8
Aklan	205.3	263.5	279.2	273.2	288.6	360.8	334.0	363.0	403.1	392.2
Antique	1,872.9	1,565.8	1,193.7	1,189.2	1,134.5	986.9	888.9	709.4	545.0	405.3
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	14.7	7.7	7.1	2.7	1.6	2.3	1.4	5.8	7.1	5.9
Iloilo	1,067.2	661.8	75.5	609.1	768.8	654.6	121.9	25.4	..	..
Negros Occidental	553.9	521.5	120.0	128.5	128.0	168.9	24.6	101.2	192.8	121.4
Central Visayas	181.5	131.3	131.2	142.0	147.8	178.4	199.6	240.9	569.3	586.4
Bohol	55.3	9.6	12.2	19.7	32.7	39.6	61.2	55.0	144.1	148.8
Cebu	15.7	16.2	18.0	25.8	37.5	69.3	96.7	90.1	327.9	382.1
Negros Oriental	73.0	74.9	68.6	64.3	47.0	45.8	15.9	71.2	74.7	29.6
Siquijor	37.6	30.5	32.4	32.1	30.7	23.8	25.8	24.5	22.6	26.0
Eastern Visayas	6,270.5	8,864.5	8,990.6	8,347.3	6,636.2	6,467.9	6,143.8	5,688.4	4,056.7	2,804.7
Biliran	2.2	..	..	..	..	..	..	..	..	..
Eastern Samar	5,410.9	8,062.7	8,310.1	7,648.7	5,888.2	5,730.9	5,330.8	4,677.7	3,349.5	2,441.5
Leyte	112.8	75.0	47.0	7.9	20.4	0.7	78.9	4.2	44.4	18.0
Northern Samar	666.6	687.6	621.2	684.7	718.9	725.4	717.4	772.6	565.7	336.0
Samar	43.9	..	..	..	..	..	1.4	220.3	6.0	3.8
Southern Leyte	34.0	39.2	12.3	6.1	8.6	10.8	15.4	13.6	91.2	5.3
Zamboanga Peninsula	10,784.3	8,505.8	6,021.0	4,907.6	3,852.8	3,144.2	3,009.1	3,096.0	4,152.9	4,650.0
Zamboanga del Norte	8,146.1	6,681.2	3,279.4	2,153.2	1,071.1	487.3	702.6	992.6	1,113.7	1,179.1
Zamboanga del Sur	2,584.2	1,804.2	1,717.0	1,700.8	1,678.0	1,642.5	1,579.1	894.4	923.1	1,063.5
Zamboanga Sibugay	54.1	13.0	258.8	317.1	363.6	215.9	32.2	9.2	14.7	21.0
City of Zamboanga	..	7.4	766.0	736.6	740.2	798.5	695.2	1,199.8	2,101.3	2,386.4
Nothern Mindanao	557.8	447.5	311.1	337.9	375.5	261.9	287.8	381.6	514.4	488.6
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	74.4	83.0	58.3	91.0	85.1	42.4	49.3	77.4	88.6	58.3
Lanao del Norte	202.2	152.3	152.4	156.5	159.1	137.6	151.5	140.8	139.4	144.1
Misamis Occidental	250.5	158.6	48.0	49.5	47.3	42.9	40.0	36.8	34.6	33.8
Misamis Oriental	30.7	53.7	52.4	40.9	84.0	39.1	47.0	126.6	251.9	252.3
Davao Region	785.6	915.3	1,034.3	824.3	688.1	1,434.5	1,511.9	1,754.4	1,849.0	1,969.7
Compostela Valley	141.4	302.5	266.8	306.5	246.8	196.4	115.9	47.3	27.0	22.2
Davao del Norte	162.6	154.7	108.6	79.1	51.8	27.6	177.0	35.3	54.5	43.3
Davao del Sur	150.3	105.9	241.7	65.9	8.6	232.5	197.8	894.0	690.7	190.1
Davao Occidental	.	.	.	.	.	.	.	.	.	785.6
Davao Oriental	320.6	351.2	417.2	372.8	380.9	924.5	1,020.8	770.7	1,076.8	928.5
City of Davao	10.6	1.0	..	..	..	53.6	0.4	7.1	..	..
SOCCSKSARGEN	2,135.4	1,995.6	2,166.7	2,077.5	2,229.0	1,810.1	1,763.8	2,592.9	2,735.7	2,061.3
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	1,750.3	1,522.0	1,674.2	1,444.8	1,560.1	1,077.1	807.4	639.1	404.6	1,049.0
Sultan Kudarat	277.0	305.3	333.9	435.9	468.5	541.6	547.5	614.0	383.8	252.0
South Cotabato	108.2	168.3	158.6	196.7	200.4	191.4	408.9	1,339.8	1,947.2	760.3
Caraga	3,316.7	2,103.0	2,185.3	2,497.0	2,992.6	2,950.2	3,296.5	3,107.2	3,006.7	2,500.4
Agusan del Norte	161.3	87.7	61.6	33.5	30.0	26.5	19.5	14.4	16.1	14.6
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	258.1	256.8	268.5	270.7
Surigao del Norte	2,628.6	1,633.3	1,764.0	2,107.1	2,396.4	2,313.8	2,199.6	2,029.4	2,158.3	1,838.8
Surigao del Sur	526.8	382.0	359.8	356.4	566.2	609.9	819.3	806.6	563.8	376.3
ARMM	3,506.3	3,768.3	3,618.8	4,413.7	4,868.7	4,214.5	2,928.8	3,006.4	3,313.5	3,530.8
Basilan	364.9	371.9	366.9	422.5	432.8	460.7	57.5	75.3	135.6	137.3
Lanao del Sur	1,413.8	1,421.9	1,420.6	1,916.8	2,078.2	1,161.9	..	..	..	37.3
Maguindanao	212.6	255.3	271.4	273.5	268.2	169.7	163.9	153.6	154.1	163.9
Sulu	413.8	421.9	424.1	435.0	462.8	489.5	545.3	567.8	582.9	576.7
Tawi-tawi	1,101.3	1,297.3	1,135.9	1,365.8	1,626.7	1,932.7	2,162.2	2,209.8	2,441.0	2,615.6

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Slipmouth (Sapsap)										
Philippines	**43,829.0**	**41,608.7**	**39,286.4**	**35,737.6**	**35,819.8**	**34,468.5**	**33,721.8**	**34,460.0**	**37,331.9**	**37,053.2**
NCR	178.3	90.7	93.8	109.2	195.9	234.4	266.5	282.1	379.3	398.4
Metro Manila										
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	174.1	380.2	153.3	239.0	302.5	156.6	144.1	139.7	684.2	429.5
Ilocos Norte	48.7	148.5	58.9	114.2	195.2	50.8	44.3	43.0	72.0	114.5
Ilocos Sur	56.3	89.5	59.1	65.5	38.6	32.5	27.2	18.3	11.9	58.8
La Union	40.5	35.8	13.0	12.2	12.4	18.5	12.5	17.8	18.8	38.5
Pangasinan	28.7	106.4	22.4	47.1	56.3	54.9	60.2	60.6	581.6	217.9
Cagayan Valley	408.4	403.4	358.9	471.1	555.7	542.2	571.9	489.3	472.7	487.6
Cagayan	403.5	399.5	355.9	468.1	552.4	538.9	567.8	485.3	468.9	483.6
Isabela	5.0	3.9	3.1	3.0	3.3	3.2	4.1	3.9	3.8	4.0
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	583.9	590.0	526.5	547.3	568.2	614.5	1,180.9	895.7	989.7	1,596.8
Aurora	76.6	63.8	59.4	58.4	60.1	58.0	51.5	44.1	36.1	32.5
Bataan	320.0	335.6	276.3	288.2	313.1	326.5	904.7	656.7	706.2	1,155.5
Bulacan	..	5.4	..	2.8	..	..	37.4	9.3	13.8	117.9
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	131.3	132.2	115.6	115.7	115.5	113.0	111.9	96.0	100.3	108.3
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	56.0	52.9	75.1	82.2	79.5	117.2	75.5	89.6	133.3	182.6
CALABARZON	1,391.7	1,791.8	1,537.8	1,367.7	1,494.4	1,307.8	1,550.8	2,297.1	1,646.4	824.5
Batangas	149.7	143.9	153.6	63.5	61.0	47.3	34.0	28.4	137.3	62.8
Cavite	75.6	43.2	29.7	40.0	35.4	48.8	89.4	167.4	222.5	214.1
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,166.4	1,604.6	1,354.5	1,264.2	1,398.1	1,211.7	1,427.4	2,101.2	1,286.6	547.6
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	11,081.3	9,156.7	9,952.7	7,813.5	9,446.6	7,978.6	7,342.1	7,386.8	9,731.8	11,236.2
Marinduque	95.2	94.7	98.7	91.3	97.2	96.6	75.8	40.0	45.8	53.3
Occidental Mindoro	238.8	228.4	228.6	232.6	230.5	231.1	226.9	197.6	186.2	128.1
Oriental Mindoro	218.3	206.8	242.2	255.2	284.8	261.3	173.9	187.7	197.3	203.2
Palawan	10,461.3	8,569.0	9,327.9	7,182.1	8,782.0	7,324.6	6,793.6	6,867.0	9,216.6	10,760.7
Romblon	67.7	57.9	55.3	52.4	52.1	65.0	72.1	94.6	85.8	90.9
Bicol Region	9,826.5	9,603.1	7,903.3	7,170.4	7,177.3	6,691.9	6,786.7	7,669.9	8,847.1	8,100.4
Albay	173.4	250.1	241.8	279.8	294.1	271.8	267.3	246.1	232.1	216.2
Camarines Norte	1,306.9	1,242.5	2,561.9	2,175.1	2,154.4	1,255.7	1,521.2	1,467.1	1,262.3	1,223.5
Camarines Sur	680.4	673.7	620.9	580.6	563.3	514.1	489.0	621.4	629.1	629.9
Catanduanes	186.0	90.8	75.2	63.4	23.9	23.3	16.7	22.8	21.6	18.0
Masbate	3,116.5	3,177.2	2,706.8	2,309.2	2,339.0	2,157.0	2,594.6	3,032.9	4,436.2	4,626.4
Sorsogon	4,363.4	4,168.8	1,696.8	1,762.3	1,802.5	2,469.9	1,898.0	2,279.6	2,265.9	1,386.5
Western Visayas	10,227.9	9,820.5	10,776.0	10,061.0	8,705.9	9,463.5	6,599.9	6,226.2	6,310.2	5,117.9
Aklan	582.8	556.3	464.0	430.2	512.7	560.4	546.4	543.7	499.8	426.8
Antique	35.0	49.6	78.1	90.6	103.8	118.6	122.5	175.2	123.1	50.7
Capiz	5,716.2	5,280.6	5,329.8	4,722.8	3,163.1	3,925.9	2,710.6	1,490.4	904.1	749.3
Guimaras	159.5	248.7	200.6	161.5	129.3	142.7	140.5	124.4	120.3	182.1
Iloilo	2,175.0	2,568.3	1,444.8	1,410.0	1,422.2	1,206.1	629.3	1,630.8	1,939.7	1,839.1
Negros Occidental	1,559.4	1,117.0	3,258.7	3,246.1	3,374.8	3,509.8	2,450.5	2,261.7	2,723.2	1,869.8
Central Visayas	884.8	753.5	467.3	490.7	397.8	454.3	516.6	880.2	1,139.6	1,245.1
Bohol	524.2	459.0	157.8	151.4	145.7	230.6	327.2	587.5	752.2	696.5
Cebu	333.3	272.6	291.7	322.0	242.2	201.7	136.4	147.4	261.3	523.0
Negros Oriental	24.5	19.3	15.0	14.4	7.3	19.6	50.1	143.5	124.2	23.9
Siquijor	2.7	2.6	2.8	2.9	2.6	2.4	2.8	1.9	1.9	1.6
Eastern Visayas	2,770.0	2,878.4	2,800.4	2,423.6	2,340.8	2,819.1	4,230.1	2,736.1	2,526.5	2,435.1
Biliran	144.5	128.7	137.9	117.5	112.5	112.2	107.4	119.2	138.8	122.9
Eastern Samar	96.2	81.2	67.7	72.9	78.3	72.9	103.7	117.8	45.9	51.7
Leyte	417.0	491.4	338.9	270.3	312.6	397.2	673.2	845.3	663.1	533.5
Northern Samar	609.8	655.8	679.3	634.6	608.5	598.2	573.1	505.1	409.3	467.9
Samar	1,435.4	1,454.9	1,534.2	1,324.2	1,225.8	1,633.4	2,762.0	1,133.2	1,250.3	1,258.9
Southern Leyte	67.0	66.4	42.4	4.1	3.1	5.3	10.7	15.5	19.1	0.3
Zamboanga Peninsula	3,291.0	3,073.8	2,090.9	2,512.3	2,095.3	2,108.5	2,305.3	3,442.8	2,922.7	3,520.8
Zamboanga del Norte	89.1	23.9	61.5	89.8	62.2	85.0	102.4	86.4	80.9	76.3
Zamboanga del Sur	164.6	188.4	226.3	238.7	238.4	236.4	226.5	316.2	209.3	396.1
Zamboanga Sibugay	3,014.0	2,813.6	1,721.7	2,100.0	1,665.0	1,641.6	1,836.6	2,911.5	2,494.0	2,899.1
City of Zamboanga	23.3	47.8	81.5	83.7	129.8	145.5	139.8	128.8	138.5	149.3
Nothern Mindanao	773.8	740.8	428.6	338.3	356.8	356.1	434.7	512.2	524.3	555.4
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	358.7	414.9	297.0	206.4	222.0	231.4	266.5	278.6	285.0	301.6
Misamis Occidental	398.8	309.7	123.5	127.2	123.1	114.6	148.6	223.2	229.5	218.7
Misamis Oriental	16.3	16.2	8.0	4.7	11.7	10.1	19.7	10.5	9.8	35.1
Davao Region	96.4	190.3	239.3	242.8	303.6	92.1	102.9	91.7	58.4	73.3
Compostela Valley	30.8	23.9	20.7	16.6	13.3	14.4	8.9	12.8	9.2	8.1
Davao del Norte	8.5	5.4	9.3	3.0	43.9	27.1	15.9	19.7	12.6	5.1
Davao del Sur	43.7	58.5	148.3	168.5	201.0	27.5	34.9	13.0	20.8	37.3
Davao Occidental	.	.	.	.	.	.	.	.	.	5.9
Davao Oriental	10.2	86.2	46.8	48.7	41.1	22.0	33.5	30.1	..	..
City of Davao	3.3	16.3	14.3	6.1	4.3	1.1	9.7	16.1	15.8	17.0
SOCCSKSARGEN	160.6	177.7	143.2	140.8	109.1	120.2	247.6	171.4	66.4	34.8
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	30.9	33.9	15.8	15.7	8.7	3.4	148.3	52.8	45.0	23.3
Sultan Kudarat	124.3	123.2	121.9	119.1	94.6	114.9	95.1	97.1	7.4	8.7
South Cotabato	5.4	20.5	5.5	6.1	5.8	1.8	4.2	21.5	14.1	2.8
Caraga	704.5	702.7	661.4	607.6	497.8	387.8	399.3	248.5	267.0	320.3
Agusan del Norte	60.3	38.7	22.1	12.7	26.0	23.6	20.8	17.3	13.7	14.8
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	7.3	15.5	17.3	19.9
Surigao del Norte	143.1	120.7	56.1	85.3	29.4	42.2	32.4	43.2	63.7	73.9
Surigao del Sur	501.1	543.3	583.2	509.6	442.5	322.0	338.8	172.5	172.4	211.7
ARMM	1,275.9	1,255.2	1,153.0	1,202.5	1,272.1	1,141.0	1,042.4	990.2	765.7	677.1
Basilan	105.2	100.5	94.7	62.5	56.3	54.0	48.5	72.1	63.6	64.9
Lanao del Sur	408.6	405.2	404.0	454.7	542.8	451.1	359.8	363.7	327.9	186.9
Maguindanao	236.0	206.4	216.7	220.4	223.5	184.9	196.9	138.3	..	..
Sulu	183.0	179.2	144.2	142.7	145.7	143.0	137.0	134.2	130.6	146.2
Tawi-tawi	343.2	363.9	293.4	322.2	303.9	307.9	300.1	281.9	243.6	279.2

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Snapper (Maya-maya)										
Philippines	**18,289.4**	**18,520.2**	**17,702.8**	**18,122.8**	**16,707.5**	**15,524.7**	**14,313.4**	**14,887.1**	**12,832.9**	**14,602.1**
NCR	0.2	0.4	0.1	0.7	0.8	1.6	15.5	25.0	23.4	26.6
Metro Manila	0.2	0.4	0.1	0.7	0.8	1.6	15.5	25.0	23.4	26.6
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	177.0	206.6	392.9	411.3	285.3	93.2	99.5	157.0	144.9	202.2
Ilocos Norte	74.0	85.0	333.9	364.9	239.9	50.3	57.1	112.9	49.1	60.2
Ilocos Sur	44.4	69.5	39.4	20.9	17.4	19.5	5.8	4.0	3.9	1.8
La Union	27.7	26.3	1.7	2.2	1.0	1.2	14.6	11.1	9.1	18.6
Pangasinan	30.9	25.9	17.9	23.3	26.9	22.1	22.1	28.9	82.9	121.7
Cagayan Valley	335.0	294.5	357.0	338.7	301.6	271.2	273.8	250.6	230.7	216.0
Cagayan	308.4	280.8	336.0	317.8	277.1	233.4	243.3	216.0	196.7	181.8
Isabela	10.5	9.6	11.1	10.8	12.8	12.5	13.1	12.2	12.1	12.3
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	181.5	186.9	216.2	203.2	214.5	250.9	424.4	628.3	469.6	571.0
Aurora	87.5	86.1	105.7	104.0	110.5	114.5	116.0	113.9	105.0	97.8
Bataan	33.5	34.6	48.9	50.5	53.8	54.9	232.6	362.5	37.9	56.6
Bulacan	..	..	..	..	..	..	4.8	..	..	1.0
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	4.0	13.6	..	..	..	13.1	10.4	12.3	8.4
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	60.5	62.2	48.1	48.7	50.3	81.5	57.9	141.6	314.4	407.2
CALABARZON	255.1	213.3	383.8	462.0	372.7	460.9	501.8	487.8	468.3	602.7
Batangas	47.5	55.9	43.3	18.1	42.8	12.3	13.5	14.4	36.7	28.5
Cavite	6.3	4.0	1.7	0.5	0.9	0.0	2.8	0.2	30.5	44.8
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	201.4	153.5	338.9	443.4	328.9	448.5	485.5	473.3	401.1	529.4
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	4,747.3	5,437.3	4,626.2	4,757.4	3,899.2	3,127.3	2,334.4	2,749.9	2,450.8	2,242.7
Marinduque	27.9	26.7	26.8	31.6	32.6	38.0	40.3	45.7	46.3	51.4
Occidental Mindoro	85.5	80.0	77.3	77.2	89.9	90.3	93.4	91.6	113.3	206.9
Oriental Mindoro	73.6	73.5	60.2	59.5	60.5	52.3	28.3	30.8	35.8	43.2
Palawan	4,465.3	5,182.0	4,389.6	4,487.3	3,633.6	2,868.8	2,104.0	2,450.9	2,145.9	1,839.6
Romblon	95.1	75.3	72.3	101.8	82.7	77.9	68.4	130.9	109.6	101.8
Bicol Region	1,391.5	1,413.7	2,005.9	2,397.4	2,421.2	1,582.3	1,757.0	1,699.8	1,671.4	1,673.9
Albay	145.5	207.7	269.2	305.0	317.1	291.1	307.0	292.5	280.9	260.1
Camarines Norte	576.5	536.4	967.3	1,288.5	1,318.4	501.8	548.6	532.6	642.8	853.8
Camarines Sur	409.8	410.4	411.7	408.5	423.5	389.2	352.1	322.1	243.8	143.1
Catanduanes	186.1	182.4	177.5	161.9	141.0	119.6	94.7	88.8	79.7	71.0
Masbate	53.6	53.1	49.3	64.7	46.4	55.6	185.7	266.2	246.3	169.1
Sorsogon	20.0	23.8	131.0	168.7	174.9	225.0	268.9	197.6	178.0	176.9
Western Visayas	2,483.7	2,768.2	3,055.3	2,816.5	2,359.4	2,017.5	1,444.8	1,795.7	887.6	856.7
Aklan	111.4	121.1	102.8	110.0	111.3	127.1	116.3	116.2	94.6	86.5
Antique	385.5	333.4	247.1	311.6	295.2	268.8	242.5	209.1	144.5	101.4
Capiz	748.1	673.2	670.6	848.4	655.0	632.5	406.6	702.1	54.5	102.1
Guimaras	152.0	135.4	113.5	158.1	143.1	169.2	228.8	222.1	189.3	211.5
Iloilo	646.0	1,038.6	1,560.9	1,043.6	795.0	467.3	345.6	452.5	138.8	147.2
Negros Occidental	440.6	466.6	360.4	344.8	359.9	352.6	105.0	93.6	265.9	208.1
Central Visayas	1,905.0	1,532.9	1,066.8	1,160.3	1,003.4	1,028.8	614.2	492.7	583.3	854.8
Bohol	381.6	333.7	320.1	364.5	404.0	458.8	163.5	91.8	109.0	161.8
Cebu	1,392.8	1,066.9	610.6	653.7	452.6	408.1	263.6	143.2	224.9	535.6
Negros Oriental	48.3	38.9	39.6	37.9	35.0	35.1	56.1	123.3	107.7	21.3
Siquijor	82.3	93.5	96.5	104.2	111.7	126.9	131.0	134.4	141.8	136.2
Eastern Visayas	1,633.1	1,434.7	1,387.1	1,056.3	1,264.5	1,283.7	1,257.5	1,170.8	918.1	2,361.5
Biliran	26.7	17.6	14.0	17.4	16.7	13.7	20.7	71.7	66.5	63.8
Eastern Samar	390.3	314.7	321.4	289.8	269.5	234.6	147.4	77.2	66.6	52.1
Leyte	765.2	722.3	617.5	394.7	567.5	559.4	600.5	543.1	315.1	1,550.3
Northern Samar	319.4	242.1	198.5	185.9	170.8	155.2	156.4	163.2	126.2	174.3
Samar	95.4	102.1	209.7	120.9	195.5	273.1	320.6	276.6	325.8	514.8
Southern Leyte	36.0	35.8	26.0	47.6	44.6	47.8	12.0	39.0	17.8	6.3
Zamboanga Peninsula	1,498.4	1,303.9	913.5	1,005.6	1,025.4	1,047.3	965.3	1,100.4	872.2	895.6
Zamboanga del Norte	321.8	39.8	8.3	27.1	42.5	29.8	32.4	39.5	40.1	33.8
Zamboanga del Sur	293.8	322.4	298.1	296.7	330.0	300.9	323.1	459.0	387.5	426.2
Zamboanga Sibugay	467.0	497.7	248.6	299.2	320.8	298.8	293.6	334.2	137.6	93.7
City of Zamboanga	415.8	444.0	358.4	382.6	332.1	417.8	316.3	267.7	307.0	341.8
Nothern Mindanao	952.4	871.3	732.6	781.8	844.0	805.0	882.4	861.0	805.5	778.9
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	8.9	19.4	14.8	18.9	20.6	18.6	58.5	37.2	26.2	29.0
Lanao del Norte	162.0	124.1	69.2	59.7	58.6	94.9	126.0	126.6	120.2	117.2
Misamis Occidental	770.9	708.0	634.0	657.0	675.3	659.7	665.2	644.0	592.1	549.9
Misamis Oriental	10.6	19.8	14.6	46.3	89.6	31.9	32.7	53.2	67.0	82.7
Davao Region	429.3	627.3	293.9	184.1	216.7	140.9	180.2	170.4	107.3	203.9
Compostela Valley	43.5	37.0	24.8	22.4	19.3	32.0	31.8	14.6	10.9	16.5
Davao del Norte	35.5	26.3	22.2	9.7	10.8	23.1	23.8	22.5	10.1	5.7
Davao del Sur	40.8	161.3	6.6	5.7	71.5	14.2	31.4	29.7	38.9	64.7
Davao Occidental	.	.	.	.	.	.	.	.	.	72.7
Davao Oriental	301.7	383.9	228.6	134.4	109.1	69.3	85.7	102.7	45.6	39.0
City of Davao	7.9	18.8	11.7	11.9	5.9	2.3	7.4	0.9	1.8	5.2
SOCCSKSARGEN	121.7	100.6	74.1	95.2	69.7	103.3	101.8	90.3	40.5	68.0
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	73.5	53.2	29.1	39.2	24.9	21.1	26.1	8.8	11.6	51.4
Sultan Kudarat	45.2	45.4	41.4	53.8	41.8	79.6	74.2	74.7	23.9	10.7
South Cotabato	3.0	2.0	3.6	2.3	3.0	2.6	1.5	6.8	5.1	5.9
Caraga	1,160.5	1,120.8	1,128.8	1,380.6	1,391.5	1,427.0	1,336.4	1,052.7	750.3	778.0
Agusan del Norte	37.8	24.2	16.3	11.0	39.4	42.8	40.2	36.3	33.1	30.9
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	0.4	..	3.7	5.8
Surigao del Norte	420.4	397.1	424.5	586.8	577.5	702.6	610.3	432.3	394.6	303.3
Surigao del Sur	702.3	699.5	688.1	782.8	774.6	681.6	685.5	584.1	318.9	437.9
ARMM	1,017.8	1,007.9	1,068.8	1,071.8	1,037.6	1,884.1	2,124.4	2,154.8	2,408.9	2,269.5
Basilan	131.1	125.3	122.9	121.1	136.3	134.8	66.9	72.6	82.8	85.3
Lanao del Sur	..	..	..	..	..	830.2	1,088.3	1,093.5	1,247.7	926.5
Maguindanao	106.0	67.7	71.5	72.5	74.5	76.3	81.3	85.5	96.8	110.3
Sulu	390.8	359.9	339.3	336.0	337.5	340.6	333.8	339.0	346.5	367.8
Tawi-tawi	389.9	455.0	535.0	542.2	489.3	502.2	554.1	564.2	635.1	779.5

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Spanish Mackerel (Tanigue)										
Philippines	**13,813.5**	**13,905.2**	**12,509.7**	**13,308.7**	**11,626.7**	**12,046.0**	**12,044.9**	**12,450.8**	**12,328.8**	**12,841.2**
NCR	0.4	0.6	5.6	0.3	1.9	1.3	78.0	126.7	120.6	135.9
Metro Manila	0.4	0.6	5.6	0.3	1.9	1.3	78.0	126.7	120.6	135.9
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	635.8	748.5	295.0	394.5	491.0	408.7	260.4	221.6	236.3	287.3
Ilocos Norte	94.2	118.4	40.2	149.2	258.4	125.8	50.2	30.3	33.8	48.4
Ilocos Sur	212.5	191.1	159.7	103.6	77.3	110.1	92.9	94.9	94.4	104.8
La Union	196.2	363.1	76.5	106.1	126.7	137.4	68.2	39.5	25.0	51.3
Pangasinan	132.9	76.0	18.6	35.6	28.6	35.4	49.1	56.9	83.1	82.9
Cagayan Valley	458.6	450.4	505.9	566.8	566.8	521.6	505.1	500.0	472.6	422.3
Cagayan	432.4	426.3	479.9	531.9	528.1	472.5	459.1	454.2	427.1	376.1
Isabela	26.2	24.1	25.5	25.6	28.1	27.4	28.8	27.0	26.9	27.3
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	414.2	409.3	364.1	374.9	383.1	418.5	613.3	376.0	490.4	727.7
Aurora	94.8	90.7	108.4	109.7	116.9	120.2	122.4	116.5	107.4	101.6
Bataan	49.3	45.6	61.2	63.9	66.2	70.1	275.3	31.1	70.0	325.0
Bulacan	0.5	0.3	0.2	..	..	..	1.5	..	..	0.6
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	120.2	116.0	105.4	106.4	99.9	102.9	74.3	57.5	33.8	41.4
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	149.4	156.8	89.0	95.0	100.1	125.3	139.8	170.9	279.1	259.2
CALABARZON	213.6	506.7	406.9	555.7	155.1	347.9	224.8	144.3	375.5	188.0
Batangas	116.9	123.8	63.7	141.9	37.7	278.6	150.1	133.1	156.6	157.6
Cavite	..	0.6	8.0	28.0	38.7	22.1	9.3	..	43.8	25.1
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	96.8	382.3	335.1	385.8	78.6	47.2	65.5	11.2	175.1	5.3
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	2,618.2	3,037.1	2,032.2	1,702.3	811.3	1,302.4	1,362.5	1,569.8	2,056.0	2,570.7
Marinduque	65.1	66.6	64.6	66.4	63.9	65.7	66.1	58.4	62.9	62.8
Occidental Mindoro	27.5	25.1	19.7	15.1	14.1	14.2	14.9	19.4	42.4	108.8
Oriental Mindoro	69.3	69.9	68.0	63.3	56.6	44.1	30.8	27.1	30.3	27.3
Palawan	2,383.9	2,801.6	1,841.0	1,525.7	639.2	1,139.2	1,226.2	1,416.7	1,868.8	2,303.7
Romblon	72.4	73.9	38.9	31.8	37.6	39.2	24.6	48.2	51.7	68.2
Bicol Region	2,206.0	2,232.8	1,862.5	2,190.4	1,888.7	1,707.3	1,274.4	1,419.0	1,400.7	1,315.0
Albay	225.7	312.8	278.2	346.7	427.8	391.8	387.8	397.2	362.4	323.2
Camarines Norte	652.6	600.2	567.6	840.2	814.6	770.6	247.2	245.0	283.5	239.5
Camarines Sur	133.1	139.8	117.8	111.3	114.1	107.7	193.6	260.8	195.3	188.3
Catanduanes	721.7	716.7	715.5	756.8	410.3	323.5	264.2	225.8	175.6	172.5
Masbate	327.8	317.2	100.7	41.8	43.0	56.8	178.6	283.4	377.6	318.8
Sorsogon	145.2	146.1	82.8	93.8	79.0	56.9	3.1	6.7	6.4	72.8
Western Visayas	2,071.3	1,871.5	2,482.8	2,447.7	2,269.4	1,870.4	2,060.1	2,235.5	1,684.1	1,612.6
Aklan	66.1	70.8	99.8	83.9	113.3	120.7	139.6	221.2	222.1	231.1
Antique	288.3	263.7	148.6	131.6	135.9	122.6	87.7	117.6	97.1	113.2
Capiz	4.6	4.2	4.2	5.2	3.7	5.3	5.4	4.2	5.9	5.6
Guimaras	27.8	28.0	33.3	105.2	59.9	87.7	241.6	242.2	200.1	287.2
Iloilo	817.9	658.8	1,148.2	1,025.3	836.8	482.4	447.6	291.6	69.3	68.4
Negros Occidental	866.6	846.1	1,048.7	1,096.6	1,119.9	1,051.8	1,138.2	1,358.7	1,089.5	907.1
Central Visayas	110.0	125.1	146.4	122.1	106.6	101.3	201.3	190.3	193.8	264.3
Bohol	10.9	6.6	13.1	12.6	9.3	8.1	87.3	54.6	64.0	26.1
Cebu	42.8	66.6	79.4	62.8	61.5	55.2	63.8	87.3	110.2	178.3
Negros Oriental	42.1	36.5	36.4	29.8	17.2	20.7	30.9	32.3	4.2	45.8
Siquijor	14.3	15.5	17.5	17.0	18.7	17.3	19.3	16.0	15.3	14.1
Eastern Visayas	1,410.5	1,320.2	1,360.2	1,246.7	1,179.2	1,164.4	1,402.0	1,311.7	1,186.3	1,121.9
Biliran	16.6	9.2	1.3	1.2	1.1	0.9	1.9	12.9	13.9	13.8
Eastern Samar	126.8	127.4	327.5	328.3	210.3	247.9	609.7	492.7	480.2	335.8
Leyte	586.2	465.8	242.7	114.0	168.7	106.1	120.6	41.4	96.0	12.5
Northern Samar	429.4	424.3	381.6	394.8	389.2	384.3	391.1	387.2	281.8	303.1
Samar	168.6	181.6	258.4	231.1	230.3	255.0	191.4	270.4	284.8	256.4
Southern Leyte	82.8	112.0	148.6	177.3	179.6	170.2	87.2	107.0	29.6	200.4
Zamboanga Peninsula	1,497.7	1,077.1	859.4	884.9	976.9	1,083.0	908.2	584.2	730.6	959.5
Zamboanga del Norte	5.1	5.8	6.0	1.3	4.5	3.8	3.4	3.5	3.1	2.5
Zamboanga del Sur	385.3	331.9	464.1	497.5	535.6	535.3	491.2	323.4	292.8	352.6
Zamboanga Sibugay	782.8	416.3	328.6	309.7	317.2	381.2	316.5	136.8	263.6	392.2
City of Zamboanga	324.5	323.2	60.6	76.4	119.5	162.8	97.0	120.6	171.1	212.2
Nothern Mindanao	232.6	174.8	254.1	271.6	285.9	293.2	340.1	328.7	301.4	342.1
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	14.8	8.9	18.9	13.0	14.9	11.4	14.9	9.2	9.8	6.7
Lanao del Norte	155.4	75.0	154.1	161.3	150.9	147.5	184.0	173.6	173.9	184.2
Misamis Occidental	50.5	61.3	32.6	78.8	79.8	81.1	89.3	78.6	57.1	56.8
Misamis Oriental	11.8	29.6	48.5	18.6	40.3	53.3	52.0	67.2	60.7	94.4
Davao Region	425.5	369.1	243.9	285.4	214.1	242.6	158.9	731.8	327.9	217.7
Compostela Valley	122.0	96.7	67.4	62.9	55.0	53.4	38.6	35.6	20.8	14.4
Davao del Norte	79.2	71.0	47.1	30.7	12.7	30.0	31.4	31.3	20.1	13.4
Davao del Sur	43.3	32.0	..	..	..	0.6	0.5	339.3	144.1	17.1
Davao Occidental	.	.	.	.	.	.	.	.	.	21.2
Davao Oriental	174.9	169.2	129.2	191.4	146.4	151.9	86.9	321.6	143.0	151.6
City of Davao	6.1	0.2	0.2	0.4	..	6.8	1.5	4.1	..	..
SOCCSKSARGEN	77.7	87.8	66.8	86.9	102.8	148.6	155.2	142.5	82.8	60.3
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	39.7	46.1	35.9	32.6	44.8	21.6	47.6	33.8	30.3	43.8
Sultan Kudarat	37.2	41.0	31.0	54.3	57.5	122.6	103.7	104.4	48.6	15.6
South Cotabato	0.8	0.6	..	..	0.4	4.3	3.9	4.4	3.9	1.0
Caraga	367.5	368.7	436.7	672.2	669.4	759.5	804.2	853.6	833.4	779.8
Agusan del Norte	17.9	13.4	20.1	17.7	13.9	13.6	16.4	14.3	13.1	13.5
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	65.1	64.1	49.9	47.8
Surigao del Norte	287.5	323.7	377.3	606.1	553.2	622.5	498.6	539.2	545.6	529.0
Surigao del Sur	62.1	31.6	39.3	48.5	102.3	123.4	224.1	236.1	224.8	189.5
ARMM	1,074.0	1,125.5	1,187.2	1,506.3	1,524.5	1,675.3	1,696.6	1,715.3	1,836.4	1,836.0
Basilan	184.6	192.2	173.0	237.6	251.8	254.5	102.1	115.7	72.7	77.4
Lanao del Sur	70.3	69.5	70.0	167.4	249.2	202.2	162.0	166.5	356.8	319.1
Maguindanao	85.1	92.7	95.3	98.7	87.6	87.3	94.9	82.8	91.1	95.2
Sulu	75.5	77.5	76.4	71.9	69.6	69.8	67.6	71.7	67.4	69.6
Tawi-tawi	658.6	693.6	772.5	930.6	866.3	1,061.5	1,270.1	1,278.6	1,248.4	1,274.7

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Squid (Pusit)										
Philippines	**41,554.2**	**43,508.3**	**41,388.7**	**42,662.6**	**43,156.8**	**40,718.7**	**40,174.0**	**38,846.6**	**36,089.0**	**37,689.3**
NCR	75.4	107.1	96.0	83.9	204.5	184.7	244.7	318.6	311.8	421.1
Metro Manila	75.4	107.1	96.0	83.9	204.5	184.7	244.7	318.6	311.8	421.1
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	1,757.2	2,636.7	3,550.0	3,283.7	3,038.3	3,250.1	2,780.8	2,832.7	2,395.1	1,999.6
Ilocos Norte	9.1	9.8	51.9	154.6	139.4	114.9	68.5	35.4	40.7	31.1
Ilocos Sur	1,110.7	1,088.5	948.0	908.2	601.7	593.2	386.2	359.4	362.1	337.7
La Union	198.5	147.7	13.1	12.9	11.5	23.6	23.5	15.0	22.0	16.7
Pangasinan	439.0	1,390.7	2,537.0	2,208.1	2,285.8	2,518.4	2,302.7	2,422.9	1,970.3	1,614.1
Cagayan Valley	341.8	330.1	330.6	398.8	428.8	479.4	478.7	460.2	418.8	400.4
Cagayan	314.5	307.7	303.1	369.8	402.1	454.2	453.2	435.9	394.7	376.0
Isabela	27.3	22.4	24.4	23.4	24.2	23.7	24.5	23.4	23.3	23.6
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	1,835.3	2,066.9	3,380.8	3,106.4	3,166.5	3,358.9	3,797.4	2,067.9	2,521.3	1,990.6
Aurora	95.6	84.7	69.0	69.3	78.0	81.5	75.0	65.8	59.0	53.8
Bataan	173.4	176.5	188.5	186.3	192.0	202.8	375.0	610.2	405.7	318.5
Bulacan	15.1	17.4	2.1	..	..	4.1	72.8	45.6	3.3	5.9
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	150.7	143.1	127.0	122.1	122.8	121.9	128.2	121.1	126.5	128.6
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	1,400.5	1,645.2	2,994.3	2,728.7	2,773.7	2,948.6	3,146.5	1,225.2	1,926.9	1,483.8
CALABARZON	1,287.4	1,741.7	2,067.9	2,160.0	2,189.9	1,332.4	767.1	939.1	1,043.7	1,449.4
Batangas	355.9	367.8	637.8	498.4	371.0	155.9	125.1	107.9	113.1	103.6
Cavite	294.4	336.7	221.9	232.5	272.6	219.2	331.4	247.9	261.1	250.8
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	637.2	1,037.2	1,208.2	1,429.1	1,546.4	957.2	310.6	583.3	669.5	1,095.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	3,007.6	3,958.7	3,720.7	5,360.9	6,336.3	5,210.5	3,830.3	4,078.0	3,909.0	3,994.7
Marinduque	115.1	134.2	158.8	204.1	225.1	218.2	272.3	207.4	150.4	169.0
Occidental Mindoro	114.3	111.4	109.4	115.1	126.2	128.6	148.6	137.2	168.3	241.7
Oriental Mindoro	249.6	242.2	254.6	320.7	358.6	334.5	322.9	282.6	207.0	207.4
Palawan	2,436.3	3,375.0	3,143.9	4,630.0	5,480.9	4,421.2	2,982.3	3,351.2	3,304.9	3,186.0
Romblon	92.3	95.9	53.9	91.0	145.5	108.1	104.1	99.6	78.4	190.6
Bicol Region	3,736.8	3,521.9	3,334.4	3,584.6	3,819.2	3,208.0	3,098.1	3,463.4	3,573.2	3,687.5
Albay	247.2	237.1	190.7	213.5	228.2	205.4	234.8	227.5	205.5	215.9
Camarines Norte	1,100.8	1,011.2	1,106.2	1,435.3	1,508.6	1,103.1	830.5	665.4	598.0	677.0
Camarines Sur	258.8	225.8	230.9	217.0	219.4	201.3	210.8	275.3	250.4	272.0
Catanduanes	118.5	129.6	121.2	119.4	106.4	86.8	66.4	77.7	88.7	85.4
Masbate	1,959.8	1,869.3	1,458.6	1,274.4	1,427.9	1,249.3	1,220.1	1,741.7	1,976.9	2,366.3
Sorsogon	51.8	48.8	227.0	325.0	328.8	362.2	535.5	475.9	453.7	70.9
Western Visayas	6,740.6	6,473.7	4,904.3	5,563.9	5,403.9	5,347.7	5,748.1	4,748.1	3,229.1	2,744.3
Aklan	198.7	206.2	200.7	193.9	244.6	272.7	261.5	229.3	203.6	184.5
Antique	524.0	455.0	537.8	611.8	584.1	599.1	579.0	495.2	356.1	289.7
Capiz	1,635.6	1,835.8	1,728.1	1,447.1	1,549.0	1,403.8	1,401.1	1,408.7	990.2	791.4
Guimaras	152.7	276.3	162.1	64.4	49.3	29.9	64.3	70.7	61.3	59.0
Iloilo	2,507.9	2,074.8	1,538.3	2,534.9	2,290.2	1,878.2	2,018.4	1,221.0	984.3	649.1
Negros Occidental	1,721.7	1,625.6	737.2	712.0	686.8	1,164.0	1,423.8	1,323.2	633.6	770.5
Central Visayas	3,961.1	3,713.3	3,233.9	2,477.7	2,356.4	2,177.9	2,324.1	2,217.2	2,901.5	2,862.9
Bohol	965.0	963.2	894.2	584.6	484.1	357.2	784.5	487.8	698.6	697.8
Cebu	2,506.1	2,239.3	1,856.9	1,395.8	1,333.6	1,292.1	1,020.6	1,095.3	1,342.0	1,389.7
Negros Oriental	276.5	303.8	269.0	274.0	321.9	306.5	284.0	439.8	670.7	580.0
Siquijor	213.5	207.1	213.8	223.3	216.8	222.0	235.2	194.3	190.2	195.3
Eastern Visayas	2,457.6	2,322.4	2,945.5	3,102.9	2,499.2	2,505.3	3,239.3	4,238.2	3,269.7	2,730.8
Biliran	52.0	57.0	23.6	48.0	46.5	43.9	39.3	107.1	82.5	75.9
Eastern Samar	79.6	72.2	46.5	48.3	62.7	55.8	78.4	48.2	98.7	107.1
Leyte	34.2	121.1	141.8	51.0	118.8	173.2	381.0	274.2	325.8	21.4
Northern Samar	466.6	483.1	477.4	516.0	547.1	579.7	623.8	613.3	507.6	386.9
Samar	977.6	745.9	1,625.0	1,988.9	1,510.2	1,407.9	1,669.0	2,450.7	1,449.0	1,387.9
Southern Leyte	847.6	843.2	631.1	450.8	214.0	244.8	447.9	744.8	806.1	751.7
Zamboanga Peninsula	1,841.8	1,532.4	1,731.4	1,761.5	1,739.6	1,798.1	1,856.5	2,109.2	1,979.7	2,193.3
Zamboanga del Norte	76.7	73.6	61.5	100.1	62.0	31.1	57.3	64.7	56.3	43.4
Zamboanga del Sur	374.0	384.8	335.3	381.4	405.0	387.9	402.1	898.1	777.8	810.2
Zamboanga Sibugay	1,078.4	573.7	668.9	623.4	652.2	677.2	748.6	646.8	585.0	695.6
City of Zamboanga	312.7	500.4	665.8	656.7	620.4	701.9	648.5	499.8	560.7	644.0
Nothern Mindanao	7,334.6	7,351.8	6,135.2	6,659.5	6,216.2	5,860.6	5,903.8	5,509.2	5,283.7	5,249.3
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	292.4	314.9	251.8	356.3	412.9	397.6	401.2	293.8	298.9	273.2
Lanao del Norte	543.7	527.8	412.4	437.7	398.0	482.5	585.2	593.1	579.8	597.2
Misamis Occidental	5,221.4	5,349.2	4,766.7	5,182.7	4,764.6	4,448.8	4,412.2	4,278.2	4,060.3	4,087.4
Misamis Oriental	1,277.1	1,159.8	704.3	682.8	640.8	531.8	505.2	344.2	344.6	291.6
Davao Region	1,957.0	2,103.7	1,714.4	778.0	1,020.9	1,486.9	2,075.1	2,033.8	1,700.6	3,421.7
Compostela Valley	105.1	105.2	90.1	82.5	66.5	69.6	51.0	43.2	25.8	24.0
Davao del Norte	249.3	232.5	168.3	109.5	65.1	33.6	50.9	26.8	94.6	34.2
Davao del Sur	1,118.0	1,407.9	1,034.7	343.6	607.0	298.8	372.8	1,528.9	1,020.3	225.2
Davao Occidental	.	.	.	.	.	.	.	.	.	2,510.6
Davao Oriental	481.6	352.3	419.2	240.9	280.1	1,082.5	1,591.1	429.2	551.9	623.1
City of Davao	2.9	5.9	2.1	1.5	2.2	2.4	9.4	5.7	8.0	4.6
SOCCSKSARGEN	1,635.2	1,665.0	1,570.6	1,696.9	1,987.7	1,572.8	1,050.5	949.3	762.4	1,463.0
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	1,485.3	1,479.0	1,340.7	1,436.5	1,691.3	1,243.9	773.3	590.5	357.2	1,211.2
Sultan Kudarat	77.2	95.4	99.3	129.0	140.3	182.1	192.5	201.5	115.4	164.1
South Cotabato	72.7	90.6	130.5	131.3	156.1	146.8	84.6	157.3	289.7	87.8
Caraga	2,321.2	2,741.0	1,419.8	1,397.1	1,446.1	1,335.5	1,284.0	1,062.6	983.3	967.9
Agusan del Norte	184.5	29.2	16.8	13.8	21.2	20.8	19.5	22.5	16.5	16.6
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	139.0	145.2	126.3	110.9
Surigao del Norte	1,853.1	2,483.9	1,155.1	1,087.6	1,153.2	1,142.8	893.1	734.6	682.8	519.5
Surigao del Sur	283.6	227.8	247.9	295.7	271.8	171.9	232.4	160.3	157.7	320.8
ARMM	1,263.6	1,242.2	1,253.4	1,247.0	1,303.3	1,609.9	1,695.6	1,819.1	1,806.5	2,112.9
Basilan	197.0	193.2	206.6	167.5	163.8	171.1	177.4	272.2	161.5	167.0
Lanao del Sur	..	..	..	..	..	269.5	277.5	282.2	256.7	476.9
Maguindanao	131.8	89.3	99.8	122.1	134.2	146.6	155.6	158.5	166.6	178.4
Sulu	426.4	434.4	442.7	440.1	463.2	470.8	475.9	453.6	444.1	471.4
Tawi-tawi	508.4	525.3	504.4	517.2	542.1	552.0	609.2	652.6	777.7	819.2

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Threadfin Bream (Bisugo)										
Philippines	**31,358.9**	**32,695.5**	**31,895.6**	**30,588.5**	**30,298.8**	**30,847.2**	**33,209.7**	**33,091.9**	**31,424.6**	**35,811.6**
NCR	192.8	140.4	83.4	77.8	94.2	65.9	127.9	205.2	160.7	236.9
Metro Manila	192.8	140.4	83.4	77.8	94.2	65.9	127.9	205.2	160.7	236.9
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	350.3	620.3	777.4	484.7	510.5	437.4	316.2	298.2	946.8	828.1
Ilocos Norte	122.2	147.3	218.0	165.9	157.5	37.5	5.3	4.7	33.1	132.2
Ilocos Sur	11.7	19.0	12.1	6.8	5.9	19.5	17.2	15.7	17.7	18.2
La Union	210.9	441.7	534.2	282.6	306.6	340.9	254.6	238.8	682.6	549.4
Pangasinan	5.5	12.4	13.1	29.4	40.5	39.5	39.0	39.1	213.4	128.3
Cagayan Valley	168.5	165.2	150.1	253.5	321.6	342.2	317.7	351.4	352.0	333.1
Cagayan	158.9	156.9	130.6	233.1	296.4	302.9	291.8	322.3	323.1	303.7
Isabela	9.3	7.9	9.5	9.2	10.4	10.1	12.0	11.6	11.4	11.7
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	1,186.7	1,123.4	946.9	975.0	971.0	964.5	910.0	716.3	892.6	604.4
Aurora	136.7	122.1	91.8	89.2	89.5	88.1	82.2	67.9	52.7	48.1
Bataan	793.8	741.7	645.1	656.5	655.7	655.3	641.6	419.0	525.5	262.0
Bulacan	42.1	50.8	46.2	65.1	46.5	48.7	34.0	21.2	9.7	18.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	137.2	133.1	105.0	105.1	106.9	102.3	101.1	97.9	103.2	111.7
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	77.0	75.7	58.8	59.1	72.5	70.1	51.2	110.4	201.5	164.0
CALABARZON	1,683.2	1,459.9	1,841.3	2,436.8	2,859.9	1,668.9	3,837.3	5,291.9	4,703.9	7,516.6
Batangas	281.1	227.8	205.0	137.3	152.6	53.8	53.5	35.4	56.3	71.8
Cavite	144.6	109.6	85.7	99.5	64.8	129.2	173.0	136.8	160.3	164.5
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,257.5	1,122.5	1,550.6	2,200.0	2,642.5	1,485.9	3,610.9	5,119.7	4,487.3	7,280.4
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	8,811.7	9,421.5	7,000.2	6,514.7	5,454.8	6,587.2	5,194.4	4,660.8	3,727.8	3,937.9
Marinduque	72.7	79.3	56.5	66.8	69.1	73.7	63.6	75.4	79.9	88.2
Occidental Mindoro	157.3	148.0	151.4	157.6	167.4	168.2	150.9	138.4	111.9	128.5
Oriental Mindoro	495.3	462.6	415.0	383.0	387.9	307.5	248.5	231.3	224.2	178.2
Palawan	7,816.9	8,453.6	6,133.9	5,567.6	4,547.6	5,781.0	4,546.6	3,986.1	3,074.0	3,306.9
Romblon	269.4	278.0	243.3	339.7	282.8	256.8	184.8	229.6	237.9	236.1
Bicol Region	2,038.1	2,044.4	1,960.8	2,176.6	2,199.9	2,443.3	3,854.5	4,285.5	4,438.3	5,007.3
Albay	154.6	179.8	237.8	195.9	207.3	194.2	201.6	191.3	170.8	174.4
Camarines Norte	1,037.3	1,012.6	809.4	877.8	736.9	895.2	760.1	730.4	727.3	698.9
Camarines Sur	150.9	151.1	151.9	140.5	149.4	134.0	155.6	181.6	198.5	176.7
Catanduanes	88.5	89.7	61.9	67.5	58.5	44.9	32.9	34.7	32.1	29.0
Masbate	586.0	600.2	632.6	807.7	960.4	1,080.9	2,597.8	3,009.0	3,135.1	3,823.0
Sorsogon	20.7	11.1	67.3	87.1	87.4	94.1	106.5	138.6	174.6	105.4
Western Visayas	5,921.3	6,131.2	8,253.4	7,160.7	6,707.6	6,703.1	6,800.1	6,275.3	5,579.9	5,707.8
Aklan	331.0	365.3	388.1	391.4	396.4	422.9	406.3	400.1	390.6	395.9
Antique	696.6	805.1	828.8	773.8	743.0	683.9	658.1	519.8	521.3	395.8
Capiz	2,196.5	2,239.7	2,296.8	2,121.8	1,998.4	1,743.2	1,508.9	1,644.0	1,039.5	848.0
Guimaras	151.1	121.5	145.6	199.7	229.6	260.7	238.4	138.1	101.1	117.6
Iloilo	1,163.1	1,214.8	2,469.0	1,304.9	1,306.4	1,001.9	2,407.7	1,648.8	1,535.7	2,669.9
Negros Occidental	1,383.0	1,384.7	2,125.2	2,369.2	2,033.9	2,590.5	1,580.6	1,924.5	1,991.8	1,280.7
Central Visayas	1,094.4	970.0	796.6	790.5	922.6	741.0	877.7	1,414.6	1,350.4	1,317.6
Bohol	116.1	124.4	145.2	132.7	170.7	181.9	246.6	257.1	203.5	277.1
Cebu	933.7	804.4	617.9	629.9	719.6	520.4	576.8	1,072.5	1,015.3	1,012.1
Negros Oriental	35.1	31.5	23.6	18.1	22.9	31.3	46.7	79.4	126.3	23.6
Siquijor	9.6	9.7	9.8	9.7	9.4	7.5	7.6	5.5	5.3	4.8
Eastern Visayas	4,751.6	5,037.3	5,137.8	4,880.6	4,590.2	4,795.5	4,573.5	3,461.5	3,425.8	4,274.2
Biliran	284.4	242.5	313.0	426.0	432.1	419.1	386.0	384.2	349.6	391.9
Eastern Samar	629.6	626.2	467.3	442.0	416.9	404.3	390.3	75.6	42.7	45.3
Leyte	534.5	446.1	504.7	477.6	582.3	831.2	965.5	725.1	542.4	1,576.3
Northern Samar	684.4	804.8	743.1	756.6	801.2	829.2	864.1	856.8	940.0	789.3
Samar	2,483.8	2,768.9	3,003.9	2,683.8	2,270.6	2,217.3	1,868.1	1,383.1	1,492.5	1,362.8
Southern Leyte	134.9	148.9	105.7	94.6	87.3	94.4	99.4	36.8	58.6	108.5
Zamboanga Peninsula	2,899.8	3,355.6	2,461.1	2,314.9	2,890.4	3,083.2	3,317.6	2,936.5	2,731.5	2,679.2
Zamboanga del Norte	45.5	24.4	29.2	47.6	87.4	85.3	104.5	119.4	105.1	100.9
Zamboanga del Sur	351.0	340.1	330.7	334.3	367.5	330.8	322.7	223.0	173.7	195.8
Zamboanga Sibugay	1,444.0	1,787.2	1,471.2	1,348.3	1,603.0	1,726.1	1,358.4	1,114.9	987.9	907.3
City of Zamboanga	1,059.3	1,203.8	630.1	584.6	832.5	941.0	1,531.9	1,479.2	1,464.7	1,475.2
Nothern Mindanao	563.1	467.6	582.2	612.6	652.8	769.1	766.6	769.1	770.5	756.7
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	4.5	4.5	6.2	6.4	6.1	6.7	9.2	11.5	11.3	14.1
Lanao del Norte	109.3	90.5	30.4	30.9	28.9	27.6	64.4	70.7	74.2	79.9
Misamis Occidental	441.4	349.4	527.2	567.9	568.5	683.5	639.9	638.0	631.9	620.8
Misamis Oriental	7.8	23.3	18.5	7.3	49.2	51.4	53.1	49.0	53.2	41.8
Davao Region	88.5	70.4	95.9	128.3	107.7	60.1	107.5	76.9	22.6	107.4
Compostela Valley	18.8	10.7	3.7	6.1	8.9	8.1	..	..	2.0	8.3
Davao del Norte	10.1	5.5	4.7	3.0	2.8	1.7	1.1	4.6	6.4	6.8
Davao del Sur	9.7	9.1	32.9	32.2	25.4	10.8	68.4	6.5	6.3	53.3
Davao Occidental	.	.	.	.	.	.	.	.	.	7.2
Davao Oriental	42.0	39.2	52.8	85.4	68.8	39.4	31.4	65.4	7.9	31.9
City of Davao	7.9	6.0	1.8	1.6	1.8	0.0	6.6	0.4	..	..
SOCCSKSARGEN	44.7	44.3	78.4	72.8	55.8	48.5	14.6	30.1	18.0	34.6
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	24.3	24.3	59.2	24.2	16.0	25.4	0.5	16.6	3.8	23.5
Sultan Kudarat	17.6	17.0	14.9	45.0	36.4	21.4	11.9	13.2	14.1	8.5
South Cotabato	2.9	3.1	4.3	3.6	3.4	1.7	2.2	0.3	0.0	2.6
Caraga	344.9	388.3	571.6	611.4	731.6	834.2	940.0	942.7	899.3	831.6
Agusan del Norte	4.2	1.5	4.5	2.0	12.4	24.8	20.1	18.8	20.6	19.4
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	89.0	107.0	129.7	106.2
Surigao del Norte	212.1	273.9	421.7	466.5	530.9	641.8	567.1	524.9	503.8	401.7
Surigao del Sur	128.6	113.0	145.4	143.0	188.3	167.5	263.9	292.0	245.2	304.3
ARMM	1,219.3	1,255.8	1,158.7	1,097.6	1,228.2	1,303.4	1,254.4	1,376.0	1,404.6	1,638.4
Basilan	229.6	228.7	207.9	207.2	217.2	223.0	122.2	179.4	164.7	169.4
Lanao del Sur	34.3	32.0	33.3	..	12.7	6.3	..	..	..	97.3
Maguindanao	87.1	89.6	91.9	95.7	92.2	91.5	84.7	83.1	89.4	89.9
Sulu	76.6	69.3	65.5	61.6	61.7	60.9	54.4	47.7	43.9	40.6
Tawi-tawi	791.7	836.3	760.1	733.1	844.5	921.7	993.0	1,065.7	1,106.6	1,241.1

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Yellowfin tuna (Tambakol/Bariles)										
Philippines	**61,924.4**	**54,389.2**	**45,757.3**	**46,749.9**	**45,671.4**	**40,986.5**	**35,120.4**	**36,678.1**	**34,523.8**	**35,437.2**
NCR	258.8	477.3	356.0	122.8	84.9	158.5	209.6	223.0	189.5	205.1
Metro Manila	258.8	477.3	356.0	122.8	84.9	158.5	209.6	223.0	189.5	205.1
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	9,210.9	7,206.3	4,589.1	4,849.6	5,016.7	3,827.2	1,843.1	1,771.3	1,873.3	1,891.2
Ilocos Norte	396.4	449.9	497.2	490.7	619.0	383.2	252.4	328.0	197.2	189.0
Ilocos Sur	3,165.9	2,151.9	1,551.2	827.7	722.6	653.0	650.3	440.6	460.4	539.8
La Union	1,425.6	977.0	774.0	1,970.5	2,041.3	930.5	81.1	71.4	28.5	129.5
Pangasinan	4,223.0	3,627.6	1,766.9	1,560.6	1,633.8	1,860.5	859.2	931.3	1,187.2	1,032.9
Cagayan Valley	457.7	467.3	402.7	416.5	521.0	481.3	496.2	543.6	579.8	553.7
Cagayan	409.3	433.8	366.9	380.0	479.8	438.5	455.8	503.2	539.6	511.6
Isabela	32.0	31.2	33.0	31.7	32.4	31.8	32.7	31.9	31.2	31.7
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	2,593.0	2,986.9	1,852.8	2,048.1	1,943.4	1,721.8	1,435.7	1,279.1	1,582.6	2,870.7
Aurora	416.2	357.2	318.9	322.5	327.9	329.9	324.8	301.1	277.0	305.7
Bataan	39.7	33.7	42.6	43.5	43.4	43.9	212.6	175.4	61.4	504.7
Bulacan	..	..	..	..	..	..	..	..	..	0.7
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	..	..	..	..	..	3.6	5.0	3.5	3.8	16.5
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	2,137.2	2,596.0	1,491.3	1,682.1	1,572.2	1,344.5	893.4	799.1	1,240.4	2,043.2
CALABARZON	780.0	780.8	1,086.5	1,057.6	962.1	1,110.7	516.3	1,141.5	598.5	663.7
Batangas	509.2	569.2	440.5	429.6	311.4	217.2	168.3	179.8	249.3	274.7
Cavite	..	0.7	..	..	18.1	..	0.5	5.5	44.6	73.0
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	270.9	210.8	646.0	628.1	632.6	893.5	347.5	956.3	304.6	316.0
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	9,301.7	8,306.2	5,631.4	4,431.0	4,743.0	4,162.4	3,506.3	3,003.1	2,453.7	2,061.9
Marinduque	353.6	332.6	333.1	311.5	303.4	284.4	328.0	282.1	219.6	222.1
Occidental Mindoro	262.2	237.7	244.1	260.4	275.6	280.7	313.1	356.2	325.4	343.1
Oriental Mindoro	623.8	596.3	524.8	494.9	551.2	382.5	271.8	218.3	229.5	176.7
Palawan	8,004.3	7,086.1	4,489.9	3,314.8	3,568.8	3,160.9	2,539.7	2,115.2	1,650.1	1,299.7
Romblon	57.8	53.6	39.4	49.4	44.1	54.0	53.8	31.4	29.1	20.3
Bicol Region	3,112.8	2,549.8	3,692.6	4,005.3	3,476.1	2,138.6	1,710.1	1,639.9	1,860.3	1,616.8
Albay	434.0	266.8	250.4	288.4	298.4	262.6	262.7	289.4	297.5	286.4
Camarines Norte	1,243.1	863.7	1,079.9	1,109.0	1,110.3	713.8	474.9	382.3	505.1	369.7
Camarines Sur	790.9	733.1	667.5	645.4	648.9	596.3	478.5	412.5	377.2	303.3
Catanduanes	533.1	551.1	626.5	671.6	564.7	485.1	417.1	456.7	451.5	392.0
Masbate	107.9	134.0	117.9	346.6	119.6	..	16.9	21.1	201.8	111.8
Sorsogon	3.9	1.1	950.3	944.3	734.3	80.8	59.9	78.0	27.3	153.6
Western Visayas	5,617.7	4,658.9	2,644.3	2,888.8	2,622.3	2,489.7	1,985.0	1,510.5	2,155.8	1,958.4
Aklan	346.3	337.5	369.3	342.6	370.6	372.1	367.0	344.3	359.6	361.8
Antique	1,419.4	1,352.1	1,281.8	1,106.0	1,039.6	1,000.1	914.3	760.5	744.4	709.0
Capiz	62.6	63.6	4.4	..	..	..	..	..	..	..
Guimaras	10.1	..	..	..	..	..	..	..	..	..
Iloilo	2,393.6	1,561.4	314.5	965.1	738.3	625.4	423.0	135.3	2.8	81.5
Negros Occidental	1,385.6	1,344.4	674.3	475.2	473.9	492.1	280.8	270.4	1,049.0	806.1
Central Visayas	217.9	206.8	195.0	177.9	166.1	167.0	250.8	270.3	398.3	525.7
Bohol	6.6	2.6	4.1	4.1	3.7	4.5	13.4	36.4	60.2	61.0
Cebu	88.4	92.7	93.1	82.4	82.1	93.8	132.6	164.8	276.0	420.2
Negros Oriental	72.5	64.4	49.0	43.4	34.5	25.0	59.0	25.5	20.6	1.6
Siquijor	50.4	47.1	48.8	47.9	45.8	43.7	45.8	43.6	41.5	42.9
Eastern Visayas	10,344.9	8,128.9	7,017.9	6,628.6	4,934.3	4,591.8	4,343.7	5,305.0	3,264.2	2,827.5
Biliran	4.4	0.4	0.2	0.2	0.1	0.2	..	..	..	..
Eastern Samar	8,299.8	5,975.3	5,206.1	5,033.2	3,365.9	2,951.9	3,338.0	2,997.1	2,351.0	1,958.2
Leyte	520.3	670.3	448.9	524.3	614.5	697.7	4.8	23.7	59.9	0.5
Northern Samar	985.6	925.4	806.8	739.8	735.5	728.1	753.5	786.4	847.7	820.5
Samar	19.4	..	..	..	..	..	34.1	1,479.1	2.7	33.0
Southern Leyte	515.6	557.6	555.9	331.3	218.3	213.9	213.3	18.8	2.8	15.3
Zamboanga Peninsula	4,860.8	3,725.0	3,417.5	3,200.9	3,846.9	3,835.7	3,278.1	2,253.1	2,427.2	2,599.5
Zamboanga del Norte	253.6	93.3	67.7	54.3	27.4	7.1	7.2	6.7	7.3	6.9
Zamboanga del Sur	3,144.5	2,880.2	2,628.9	2,521.5	2,877.2	2,880.0	2,345.7	1,212.6	1,070.6	1,116.2
Zamboanga Sibugay	650.0	30.0	53.1	37.9	189.2	203.4	35.0	6.8	32.5	13.7
City of Zamboanga	812.7	721.5	667.8	587.2	753.2	745.3	890.2	1,027.0	1,316.8	1,462.7
Nothern Mindanao	1,310.2	1,418.1	1,291.1	1,080.3	1,235.2	1,098.9	1,148.1	1,246.1	1,246.3	1,274.7
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	282.7	245.8	202.9	80.5	350.0	196.5	171.1	225.6	143.4	149.6
Lanao del Norte	359.5	398.9	624.6	542.7	542.6	588.6	607.2	682.0	694.2	710.3
Misamis Occidental	369.5	576.9	374.8	280.5	253.3	257.9	274.0	234.6	207.9	199.1
Misamis Oriental	298.5	196.4	88.9	176.7	89.3	56.0	95.9	103.9	200.8	215.6
Davao Region	1,131.7	1,239.9	786.7	1,041.3	708.7	942.8	1,233.5	3,096.0	2,399.5	1,991.1
Compostela Valley	137.0	217.3	146.3	148.1	125.3	103.5	63.3	52.5	18.0	11.5
Davao del Norte	232.8	130.8	72.0	58.5	41.9	36.8	53.2	108.9	54.4	27.7
Davao del Sur	501.2	470.0	167.3	613.1	193.5	256.8	647.3	1,849.6	1,582.7	2.0
Davao Occidental	.	.	.	.	.	.	.	.	.	1,056.1
Davao Oriental	236.0	390.4	389.6	212.5	322.7	542.7	465.5	1,072.1	741.2	892.2
City of Davao	24.6	31.3	11.5	9.1	25.3	3.0	4.1	12.9	3.3	1.7
SOCCSKSARGEN	1,807.1	2,066.2	2,393.0	2,771.3	3,095.5	2,084.5	868.4	776.8	629.4	823.5
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	1,288.8	1,564.4	1,896.1	2,201.9	2,545.8	1,665.2	454.9	335.8	135.4	595.3
Sultan Kudarat	475.1	436.1	391.0	412.0	393.9	290.4	269.8	306.1	269.3	197.9
South Cotabato	43.2	65.7	105.8	157.4	155.9	128.9	143.7	134.9	224.7	30.3
Caraga	4,500.7	3,197.7	3,464.7	3,529.6	3,618.1	2,883.0	3,022.9	3,181.3	2,798.7	2,484.5
Agusan del Norte	617.6	407.0	490.0	466.9	390.9	367.4	387.9	377.7	416.6	437.9
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	298.2	259.2	257.2	226.7
Surigao del Norte	2,557.8	1,769.9	1,890.1	1,846.5	1,978.7	1,564.1	1,393.5	1,255.2	1,073.2	976.7
Surigao del Sur	1,325.3	1,020.8	1,084.6	1,216.2	1,248.5	951.6	943.4	1,289.2	1,051.8	843.2
ARMM	6,418.4	6,973.2	6,936.1	8,500.3	8,697.2	9,292.7	9,272.8	9,437.4	10,066.8	11,089.5
Basilan	372.7	350.4	317.5	341.3	347.8	332.9	78.1	107.1	114.7	105.3
Lanao del Sur	327.8	488.9	378.3	886.5	813.6	581.4	288.2	299.1	360.2	1,212.5
Maguindanao	279.6	277.9	297.5	319.4	329.5	344.6	383.3	398.2	415.3	436.5
Sulu	687.2	634.9	598.3	569.4	529.7	504.9	449.7	400.6	352.1	324.7
Tawi-tawi	4,751.1	5,221.2	5,344.5	6,383.7	6,676.6	7,529.0	8,073.5	8,232.4	8,824.5	9,010.6

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.9.3
MARINE MUNICIPAL FISHERIES: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**187,870.2**	**177,580.4**	**164,366.6**	**153,125.0**	**141,393.5**	**139,112.0**	**147,760.2**	**136,877.6**	**136,093.5**	**152,728.5**
NCR	1,766.6	2,307.0	1,979.0	1,244.7	1,773.3	2,240.8	1,906.6	1,889.4	2,746.6	2,832.0
Metro Manila	1,766.6	2,307.0	1,979.0	1,244.7	1,773.3	2,240.8	1,906.6	1,889.4	2,746.6	2,832.0
CAR	.	.	.	.	.	.	.	.	.	.
Abra	.	.	.	.	.	.	.	.	.	.
Apayao	.	.	.	.	.	.	.	.	.	.
Benguet	.	.	.	.	.	.	.	.	.	.
Ifugao	.	.	.	.	.	.	.	.	.	.
Kalinga	.	.	.	.	.	.	.	.	.	.
Mountain Province	.	.	.	.	.	.	.	.	.	.
Ilocos Region	11,167.5	9,974.4	10,809.9	9,732.7	10,147.4	10,633.8	7,791.9	8,314.8	5,685.5	6,325.4
Ilocos Norte	1,415.4	1,399.0	1,699.1	1,623.6	1,429.4	1,764.4	1,920.8	1,993.4	1,721.7	1,645.2
Ilocos Sur	2,001.2	2,192.1	1,994.9	1,478.4	1,418.1	1,461.3	1,331.7	1,463.2	1,325.0	1,424.7
La Union	1,004.7	880.2	1,090.9	765.2	821.3	796.4	453.8	443.7	271.0	772.9
Pangasinan	6,746.2	5,503.1	6,025.1	5,865.5	6,478.5	6,611.7	4,085.5	4,414.4	2,367.9	2,482.6
Cagayan Valley	5,710.6	5,679.3	3,407.8	3,191.5	3,291.2	3,401.6	3,341.2	3,303.6	3,275.5	2,919.8
Cagayan	5,079.8	5,227.6	2,932.6	2,772.7	2,797.9	2,874.9	2,873.4	2,829.7	2,807.2	2,459.6
Isabela	140.0	116.5	179.8	162.0	188.8	182.5	198.6	188.7	184.6	194.1
Nueva Vizcaya	.	.	.	.	.	.	.	.	.	.
Quirino	.	.	.	.	.	.	.	.	.	.
Central Luzon	5,808.8	6,464.4	5,887.5	5,773.5	5,658.5	6,136.8	5,479.4	4,563.6	7,361.0	11,215.3
Aurora	579.0	514.8	510.0	520.1	563.2	592.3	609.1	594.1	558.4	525.4
Bataan	3,018.4	3,444.3	3,427.4	3,466.7	3,538.3	3,718.1	2,802.8	2,127.9	4,360.6	7,478.5
Bulacan	1,177.5	1,225.0	979.4	809.2	520.7	866.5	945.9	694.7	724.7	1,234.1
Nueva Ecija	.	.	.	.	.	.	.	.	.	.
Pampanga	324.5	319.3	304.8	283.9	283.2	239.1	220.1	374.9	394.9	306.8
Tarlac	.	.	.	.	.	.	.	.	.	.
Zambales	709.4	961.0	665.9	693.7	753.0	720.8	901.6	772.1	1,322.6	1,670.6
CALABARZON	3,534.4	4,058.0	3,594.7	2,590.0	3,158.1	3,651.0	8,533.3	9,371.9	7,117.6	6,062.2
Batangas	2,096.0	2,093.6	1,315.4	905.5	918.5	1,260.8	1,018.2	900.8	758.7	663.7
Cavite	363.0	493.8	771.0	378.6	330.1	487.3	468.1	923.8	1,487.0	1,977.4
Laguna	.	.	.	.	.	.	.	.	.	.
Quezon	1,075.5	1,470.6	1,508.3	1,305.9	1,909.5	1,902.9	7,047.0	7,547.3	4,872.0	3,421.1
Rizal	.	.	.	.	.	.	.	.	.	.
MIMAROPA	28,446.1	20,982.5	18,271.2	12,719.9	11,096.0	8,492.1	13,879.1	11,203.4	12,036.1	13,658.8
Marinduque	175.8	181.6	216.0	222.8	185.4	235.3	189.4	235.9	228.6	219.2
Occidental Mindoro	379.9	381.9	751.5	840.3	959.5	978.9	897.6	817.4	798.8	746.5
Oriental Mindoro	977.8	943.4	920.3	986.2	1,027.7	780.9	378.8	316.8	176.3	78.5
Palawan	26,554.2	19,122.6	16,198.3	10,469.7	8,734.2	6,340.3	12,163.2	9,608.0	10,615.3	12,443.3
Romblon	358.5	353.0	185.2	200.9	189.4	156.7	250.1	225.2	217.0	171.3
Bicol	16,231.2	15,049.9	14,607.0	13,679.6	12,903.8	12,259.1	11,583.0	11,067.9	9,976.6	10,334.6
Albay	127.2	138.3	141.4	168.3	139.6	114.1	119.8	197.5	203.5	195.4
Camarines Norte	106.5	66.0	..	..	..	975.8	489.0	377.5	216.4	375.2
Camarines Sur	4,476.2	3,377.1	2,824.2	2,312.8	2,110.4	1,920.3	1,992.5	1,906.9	1,795.1	1,614.0
Catanduanes	2,372.5	2,320.2	2,014.4	2,104.0	1,603.4	1,382.8	1,158.9	1,032.7	868.3	840.4
Masbate	5,324.0	5,028.9	2,915.4	2,414.5	2,298.1	1,545.0	1,751.3	1,656.2	1,010.9	1,077.5
Sorsogon	3,824.7	4,119.4	6,711.6	6,680.0	6,752.2	6,321.0	6,071.6	5,897.2	5,882.3	6,232.1
Western Visayas	45,100.4	44,352.2	41,948.7	41,263.0	35,911.2	32,789.8	34,371.3	27,133.3	29,390.0	33,926.3
Aklan	623.6	643.3	448.6	493.7	555.1	481.1	364.7	339.0	386.0	261.4
Antique	2,228.3	2,681.4	2,502.9	2,373.2	2,438.8	2,347.2	2,537.7	2,789.6	2,374.5	2,439.2
Capiz	13,174.8	12,378.2	9,977.2	9,494.3	8,181.2	9,409.7	9,352.7	7,103.6	10,208.0	13,777.2
Guimaras	677.8	683.1	770.5	824.7	1,087.2	1,188.3	1,223.2	1,049.1	802.8	861.8
Iloilo	18,644.2	18,649.0	16,757.2	17,708.9	12,468.5	9,526.4	9,925.8	7,327.5	5,526.3	4,714.6
Negros Occidental	9,751.6	9,317.2	11,492.3	10,368.3	11,180.3	9,837.1	10,967.3	8,524.4	10,092.6	11,872.1
Central Visayas	14,142.5	14,584.4	15,018.6	16,952.6	16,097.5	17,437.8	17,716.1	18,838.9	19,809.5	19,482.3
Bohol	2,783.1	2,565.6	3,276.8	5,921.5	3,981.7	4,113.1	4,126.1	4,746.3	5,006.9	4,750.5
Cebu	9,464.1	10,338.5	9,799.1	9,289.4	10,518.1	11,839.9	12,091.9	12,299.8	13,149.5	12,855.4
Negros Oriental	1,078.9	787.5	859.2	688.5	616.6	574.8	468.2	804.5	625.0	814.4
Siquijor	816.4	892.9	1,083.5	1,053.2	981.1	909.9	1,029.9	988.3	1,028.0	1,061.9
Eastern Visayas	9,015.2	9,521.3	7,829.8	6,063.9	5,139.5	5,615.8	7,741.4	9,792.2	10,417.1	15,814.4
Biliran	206.3	138.3	200.5	264.8	261.6	223.1	331.7	794.0	745.1	1,002.1
Eastern Samar	3,205.7	3,441.4	2,822.5	2,585.6	2,231.6	2,369.6	2,771.5	3,415.5	3,214.8	5,698.0
Leyte	596.4	490.8	619.1	436.5	412.0	393.3	1,541.4	3,498.8	1,706.1	3,869.1
Northern Samar	109.5	54.2	..	..	..	..	5.4	6.1	1,569.4	1,652.0
Samar	3,623.1	4,316.6	2,709.1	2,297.2	1,965.4	2,267.5	2,781.5	1,828.0	2,892.7	2,774.6
Southern Leyte	1,274.3	1,080.0	1,478.6	479.7	268.9	362.4	310.1	249.8	289.1	818.8
Zamboanga Peninsula	7,311.1	6,351.7	5,779.1	7,782.8	5,005.2	4,596.1	5,995.0	5,341.1	4,211.2	5,946.9
Zamboanga del Norte	3,114.8	2,330.8	768.6	2,250.7	746.2	875.8	392.5	215.0	315.2	383.4
Zamboanga del Sur	67.7	94.1	395.3	345.1	369.1	390.6	344.8	1,366.0	1,234.8	2,071.3
Zamboanga Sibugay	2,598.1	2,743.2	4,279.6	4,925.8	3,416.9	2,777.4	4,236.1	2,558.4	1,390.5	2,341.5
City of Zamboanga	1,530.4	1,183.7	335.6	261.2	473.0	552.4	1,021.6	1,201.8	1,270.8	1,150.8
Nothern Mindanao	5,862.5	5,359.0	4,678.2	3,734.2	3,168.0	3,329.4	2,990.2	2,865.6	2,692.8	2,627.9
Bukidnon	.	.	.	.	.	.	.	.	.	.
Camiguin	485.1	658.4	845.8	699.9	603.8	745.3	690.4	748.6	688.2	705.0
Lanao del Norte	2,267.4	2,432.1	2,099.3	1,671.1	1,363.3	994.4	1,078.6	803.4	672.9	679.7
Misamis Occidental	2,877.5	1,927.1	1,218.3	990.8	908.7	851.5	937.8	1,008.2	921.9	918.5
Misamis Oriental	232.4	341.4	514.8	372.5	292.3	738.2	283.4	305.3	409.8	324.7
Davao Region	4,015.8	3,273.9	2,877.0	3,188.3	2,717.4	3,177.6	4,207.9	3,060.1	2,331.1	3,984.1
Compostela Valley	336.6	324.6	383.1	283.2	280.3	190.4	171.9	205.3	147.8	136.2
Davao del Norte	580.4	582.2	414.9	325.9	295.2	173.0	218.6	131.2	105.4	100.7
Davao del Sur	394.0	451.5	566.4	1,281.5	703.9	618.0	2,409.3	1,173.3	499.1	217.3
Davao Occidental	.	.	.	.	.	.	.	.	.	1,651.6
Davao Oriental	2,408.1	1,862.4	1,469.0	1,262.0	1,389.7	2,103.9	1,348.9	1,444.5	1,452.8	1,819.5
City of Davao	296.7	53.2	43.6	35.7	48.3	92.3	59.3	105.9	126.1	58.7
SOCCSKSARGEN	975.5	534.6	420.4	419.9	381.7	568.4	872.0	709.1	445.9	511.4
Cotabato	.	.	.	.	.	.	.	.	.	.
Sarangani	828.0	385.6	286.0	239.4	143.1	154.3	438.8	162.9	129.6	212.1
Sultan Kudarat	92.6	113.6	104.3	135.0	194.3	244.0	160.7	141.9	84.2	127.8
South Cotabato	54.9	35.4	30.1	45.5	44.3	170.1	272.6	404.3	232.1	171.5
Caraga	17,128.9	17,773.6	17,981.0	15,957.4	16,495.1	16,411.2	13,100.3	11,172.1	10,203.3	8,421.8
Agusan del Norte	1,454.9	1,636.3	1,476.7	1,349.4	1,401.2	1,446.5	1,373.5	1,230.7	1,199.7	1,179.2
Agusan del Sur	.	.	.	.	.	.	.	.	.	.
Dinagat Islands	..	..	..	..	..	..	1,122.1	1,032.3	1,042.8	1,013.7
Surigao del Norte	11,942.0	11,921.7	12,100.9	9,736.1	9,103.0	9,538.6	6,903.4	5,601.2	5,425.2	4,220.2
Surigao del Sur	3,732.0	4,215.6	4,403.4	4,871.9	5,991.0	5,426.1	3,701.3	3,307.9	2,535.6	2,008.7
ARMM	11,653.3	11,314.4	9,276.8	8,831.2	8,449.5	8,370.8	8,251.6	8,250.9	8,393.7	8,665.4
Basilan	124.4	123.8	83.5	56.7	55.2	52.8	54.6	14.6	23.1	23.9
Lanao del Sur	1,000.4	1,079.4	1,012.0	549.7	311.7	5.4	..	..	..	..
Maguindanao	439.9	532.9	702.3	893.4	852.3	797.5	828.8	775.9	800.1	787.4
Sulu	4,627.8	4,830.2	4,555.2	4,390.0	4,330.8	4,191.7	3,973.3	4,035.2	4,004.7	4,150.2
Tawi-tawi	5,460.8	4,748.1	2,923.8	2,941.5	2,899.5	3,323.4	3,394.8	3,425.2	3,565.8	3,704.0

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**218,066.5**	**224,934.1**	**231,044.2**	**234,478.2**	**227,476.8**	**227,814.7**	**241,203.4**	**244,365.6**	**226,107.6**	**238,940.1**
NCR	464.3	488.0	500.3	288.4	276.4	2.0	15.3	33.9	16.4	87.8
Metro Manila	464.3	488.0	500.3	288.4	276.4	2.0	15.3	33.9	16.4	87.8
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	16,487.9	17,389.8	17,142.8	19,207.5	22,127.0	21,932.9	22,850.2	23,815.5	21,194.7	23,340.3
Ilocos Norte	63.8	41.4	63.8	73.2	71.4	14.0	5.5	7.2	12.2	7.6
Ilocos Sur	344.5	361.7	374.1	334.4	342.9	256.0	202.0	221.6	199.9	220.4
La Union	1,618.1	1,796.6	1,960.1	2,141.3	2,204.7	1,611.1	3,043.0	3,980.1	3,054.5	2,878.8
Pangasinan	14,461.5	15,190.1	14,744.9	16,658.6	19,508.1	20,051.8	19,599.7	19,606.7	17,928.1	20,233.5
Cagayan Valley	487.1	512.2	505.8	514.5	518.2	529.1	472.6	515.0	526.1	542.3
Cagayan	487.1	512.2	505.8	514.5	518.2	529.1	472.6	515.0	526.1	542.3
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	56,704.1	51,772.5	53,739.3	56,720.1	57,208.6	57,210.5	55,539.4	52,912.9	51,503.6	49,484.4
Aurora	37.9	27.6	23.4	25.3	29.2	30.9	18.8	..	..	..
Bataan	8,613.7	8,228.7	8,152.0	8,290.6	8,316.0	8,567.6	8,177.6	8,104.8	8,581.5	8,608.0
Bulacan	27,004.6	23,019.7	24,737.4	25,216.0	25,501.6	24,621.0	25,396.8	21,412.3	18,913.8	14,602.1
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	19,566.0	19,318.5	19,129.0	19,945.9	20,003.6	20,498.8	20,350.1	21,062.2	21,434.6	23,686.3
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	1,481.9	1,178.1	1,697.5	3,242.3	3,358.2	3,492.3	1,596.2	2,333.6	2,573.6	2,588.0
CALABARZON	11,493.0	14,180.5	17,004.2	16,976.6	13,992.9	13,818.3	33,581.1	36,693.0	15,906.3	23,502.7
Batangas	..	2.6	..	..	..	0.4	0.4	..	..	..
Cavite	30.0	30.1	25.2	3.4	4.1	1.5	0.3	1.7	0.7	0.7
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	11,462.9	14,147.8	16,979.0	16,973.1	13,988.8	13,816.4	33,580.4	36,691.3	15,905.6	23,502.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3,708.9	3,888.2	4,419.1	4,409.8	4,234.3	4,402.5	2,488.2	1,809.7	1,441.1	1,331.6
Marinduque	201.9	202.7	215.1	191.5	178.5	178.8	186.3	222.3	204.5	148.7
Occidental Mindoro	1,840.3	1,987.9	2,320.0	2,366.5	2,416.8	2,396.4	661.8	327.7	182.6	246.7
Oriental Mindoro	1,505.7	1,547.0	1,711.7	1,684.9	1,475.4	1,687.0	1,571.7	1,201.3	995.6	854.6
Palawan	99.4	85.2	110.3	110.7	113.6	99.6	50.0	42.6	44.0	64.9
Romblon	61.8	65.5	62.1	56.2	50.1	40.7	18.5	15.9	14.4	16.6
Bicol Region	4,194.6	4,619.8	4,926.6	5,256.4	5,569.6	5,004.3	4,158.1	4,123.6	3,780.9	3,993.8
Albay	782.7	782.6	785.2	791.8	784.4	280.0	280.9	285.8	299.7	289.9
Camarines Norte	1,490.6	1,775.9	1,916.7	2,102.8	2,257.7	2,407.7	1,435.0	977.3	1,246.3	1,865.4
Camarines Sur	923.3	1,032.8	1,165.2	1,258.8	1,342.1	1,340.5	1,428.8	1,882.7	1,345.6	1,296.0
Catanduanes	5.1	6.6	14.3	21.3	21.6	28.6	10.3	7.4	3.0	6.4
Masbate	661.3	686.8	708.5	695.3	700.2	650.0	638.8	650.3	589.6	385.9
Sorsogon	331.6	335.1	336.6	386.4	463.6	297.5	364.4	320.2	296.7	150.2
Western Visayas	73,745.8	80,853.9	80,145.5	79,507.7	73,913.5	77,043.5	76,831.3	78,779.1	88,681.1	96,345.2
Aklan	7,760.3	7,182.7	7,191.1	7,848.5	9,525.3	10,742.7	11,172.1	10,836.2	13,677.6	15,750.0
Antique	158.3	189.7	198.9	209.5	216.4	199.9	191.3	161.0	134.0	125.0
Capiz	23,487.3	25,110.9	26,234.4	27,537.6	27,359.2	30,788.6	31,084.3	33,242.7	36,357.1	41,787.5
Guimaras	1,811.1	1,614.1	1,724.2	1,573.0	1,769.8	1,749.2	1,527.5	1,880.4	1,828.9	1,617.5
Iloilo	20,854.1	24,744.0	21,625.8	17,872.4	10,116.9	8,956.0	8,856.9	8,833.3	11,631.6	11,161.4
Negros Occidental	19,674.8	22,012.5	23,171.1	24,466.8	24,926.0	24,607.1	23,999.3	23,825.4	25,051.9	25,903.9
Central Visayas	6,333.8	5,807.0	5,864.2	5,415.6	4,390.5	4,573.7	5,234.0	4,556.4	4,594.5	4,266.6
Bohol	2,782.2	2,484.4	2,480.9	2,380.6	1,491.8	1,971.5	2,381.2	1,833.4	1,664.3	1,823.2
Cebu	1,598.2	1,225.4	1,304.5	1,463.9	1,477.1	1,575.1	2,032.3	2,227.2	2,259.5	1,764.3
Negros Oriental	1,950.8	2,094.5	2,075.9	1,568.3	1,417.8	1,024.1	818.6	493.7	668.9	677.5
Siquijor	2.5	2.7	2.8	2.8	3.8	2.9	2.0	2.1	1.8	1.6
Eastern Visayas	6,268.9	7,680.7	7,653.9	7,782.7	7,140.7	5,478.6	6,395.6	6,599.7	6,762.8	6,865.0
Biliran	3.6	1.0	0.1	14.4	2.9	57.8	361.5	2.2	1.0	0.5
Eastern Samar	433.7	446.5	480.9	545.8	206.5	99.2	3.4	1.8	2.8	7.2
Leyte	2,389.5	2,591.7	2,905.0	2,932.5	2,917.9	2,428.1	3,180.7	3,226.3	3,125.0	3,428.0
Northern Samar	684.5	806.9	883.4	901.4	941.1	479.6	358.4	304.1	533.6	542.2
Samar	2,545.7	3,656.8	3,305.9	3,359.0	3,051.4	2,392.7	2,466.9	3,033.4	3,090.5	2,871.9
Southern Leyte	212.0	177.9	78.6	29.7	20.9	21.2	24.8	31.9	9.9	15.2
Zamboanga Peninsula	11,966.5	11,405.5	12,084.7	12,014.9	10,247.7	9,587.5	8,872.5	8,297.6	6,676.5	6,213.4
Zamboanga del Norte	901.6	885.0	1,077.0	1,250.3	1,332.3	1,333.0	1,411.4	1,508.2	1,567.8	1,618.8
Zamboanga del Sur	4,296.3	4,675.0	4,739.8	4,768.6	4,864.7	4,653.4	3,154.5	2,551.3	1,866.9	1,412.8
Zamboanga Sibugay	5,695.1	4,687.8	5,133.3	4,962.3	3,017.3	2,558.1	3,277.5	3,166.1	2,233.2	2,220.1
City of Zamboanga	1,073.5	1,157.7	1,134.6	1,033.7	1,033.4	1,042.9	1,029.2	1,072.0	1,008.6	961.8
Nothern Mindanao	10,886.0	10,786.8	11,161.4	10,544.4	12,667.9	14,262.3	13,422.1	12,985.2	12,652.5	12,883.0
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	6,073.7	5,109.1	5,259.2	4,331.6	4,101.2	4,439.5	4,493.0	4,566.7	4,626.4	4,969.7
Misamis Occidental	4,779.6	5,648.2	5,863.9	6,168.5	8,520.4	9,808.1	8,918.5	8,404.1	8,013.9	7,892.7
Misamis Oriental	32.7	29.6	38.3	44.4	46.3	14.8	10.6	14.4	12.2	20.7
Davao Region	4,060.9	3,844.7	3,950.6	3,838.9	3,537.2	2,674.1	1,551.0	2,245.9	2,472.1	2,373.1
Compostela Valley	349.5	351.7	294.6	264.9	214.8	145.7	122.7	168.2	182.5	221.7
Davao del Norte	1,139.4	1,097.1	1,058.2	938.0	551.7	671.3	431.3	992.9	1,141.2	861.9
Davao del Sur	1,034.4	1,096.3	1,232.0	1,212.4	1,424.8	890.1	189.4	242.7	209.2	162.1
Davao Occidental	.	.	.	.	.	.	.	.	.	46.4
Davao Oriental	1,279.9	1,075.3	1,068.9	943.2	1,216.3	852.9	772.5	811.7	913.0	1,000.2
City of Davao	257.8	224.3	296.9	480.4	129.6	114.2	35.1	30.4	26.2	80.8
SOCCSKSARGEN	7,060.0	7,494.6	7,680.1	7,916.5	7,146.0	6,693.4	4,864.9	5,105.4	3,566.4	2,136.1
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	7,012.0	7,428.1	7,602.8	7,837.8	7,085.7	6,671.1	4,836.5	4,975.2	3,555.1	2,120.8
Sultan Kudarat	48.0	66.5	77.3	74.7	60.4	22.3	28.5	10.2	3.6	15.3
South Cotabato	..	..	..	4.0	..	..	..	120.0	7.6	..
Caraga	1,183.7	1,108.5	1,296.7	1,145.8	1,456.8	1,498.8	1,628.4	1,806.5	2,191.9	2,139.1
Agusan del Norte	367.9	368.9	594.4	484.9	643.1	655.1	667.0	800.3	826.5	715.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	7.0	7.3	6.4	11.2
Surigao del Norte	217.1	182.8	195.5	180.7	116.5	154.0	226.4	207.7	228.7	272.6
Surigao del Sur	598.8	556.8	506.8	480.2	697.2	689.6	728.0	791.1	1,130.4	1,139.4
ARMM	3,021.1	3,101.4	2,969.1	2,938.4	3,049.4	3,103.2	3,298.7	4,086.5	4,140.7	3,435.8
Basilan	466.2	487.6	339.3	257.0	242.6	269.2	445.1	1,151.3	1,079.3	275.6
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2,555.0	2,613.8	2,629.8	2,681.5	2,806.8	2,834.0	2,853.6	2,935.3	3,061.4	3,160.2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**13,999.3**	**14,194.3**	**14,381.3**	**15,213.4**	**18,449.4**	**18,377.8**	**17,511.8**	**18,401.6**	**18,511.2**	**18,322.0**
NCR	124.4	313.9	411.2	366.0	316.8	0.0	0.5	1.3	1.5	2.6
Metro Manila	124.4	313.9	411.2	366.0	316.8	0.0	0.5	1.3	1.5	2.6
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	1,237.6	1,205.5	1,929.6	2,501.7	6,077.1	6,368.7	5,068.2	4,972.6	4,510.4	3,842.2
Ilocos Norte	235.7	226.1	178.7	111.2	113.3	83.9	103.2	108.5	146.3	102.5
Ilocos Sur	485.3	508.0	525.0	516.7	523.3	480.9	412.4	391.8	351.9	397.7
La Union	271.2	220.7	287.1	289.2	764.6	650.9	478.5	98.9	20.0	23.0
Pangasinan	245.4	250.7	938.8	1,584.6	4,675.9	5,153.0	4,074.2	4,373.4	3,992.1	3,318.9
Cagayan Valley	2,300.4	2,355.3	2,294.5	2,245.3	2,172.3	2,088.6	1,676.2	1,830.2	2,098.9	2,063.3
Cagayan	2,300.4	2,355.3	2,294.5	2,245.3	2,172.3	2,088.6	1,676.2	1,830.2	2,098.9	2,063.3
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	6,352.5	6,176.6	6,118.6	6,432.1	6,152.4	6,129.1	6,981.3	8,028.1	7,710.9	7,074.5
Aurora	55.6	48.4	43.9	51.6	55.8	163.8	118.7	101.1	103.0	97.5
Bataan	217.1	220.1	213.0	228.0	228.0	239.2	231.4	157.6	101.0	87.8
Bulacan	1,534.2	1,332.6	1,383.4	1,543.0	1,317.2	1,266.1	2,201.9	3,160.9	2,840.7	2,027.8
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	4,543.2	4,572.6	4,477.4	4,609.1	4,551.5	4,457.3	4,429.1	4,608.2	4,658.7	4,857.9
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	2.5	3.0	0.9	0.5	..	2.7	0.3	0.3	7.5	3.5
CALABARZON	..	..	..	..	0.1	5.5	2.1	14.2	35.9	16.4
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	0.1	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	0.1	5.4	2.1	14.2	35.9	16.4
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	0.0	0.0	..	..	14.8	1.9	5.3	3.7
Marinduque	..	..	..	..	..	..	0.9	1.0	1.7	1.5
Occidental Mindoro	..	..	..	..	..	..	13.6	0.5	..	0.3
Oriental Mindoro	..	..	..	..	..	..	..	..	3.5	0.7
Palawan	..	..	..	..	..	..	0.4	0.3	0.0	..
Romblon	..	..	0.0	0.0	..	..	..	0.1	0.1	1.2
Bicol Region	184.4	217.1	255.8	290.4	317.1	328.1	227.9	221.5	219.7	205.5
Albay	..	..	5.1	5.3	6.1	8.2	13.3	11.7	10.1	10.1
Camarines Norte	93.8	114.9	130.3	147.9	169.6	195.3	129.3	133.5	149.8	155.7
Camarines Sur	35.6	39.6	43.7	42.1	42.7	36.4	12.8	6.4	0.2	1.2
Catanduanes	1.0	1.8	6.9	12.0	13.1	20.4	6.8	2.8	1.3	1.3
Masbate	37.1	42.1	49.2	53.2	60.5	55.8	58.8	58.4	54.9	34.4
Sorsogon	16.8	18.8	20.6	30.1	25.1	11.9	7.0	8.8	3.5	2.7
Western Visayas	729.2	838.3	785.9	882.1	945.1	1,067.0	1,090.2	1,217.1	1,325.4	1,883.3
Aklan	37.1	37.8	43.9	44.7	50.4	64.7	55.0	43.0	35.6	51.5
Antique	23.1	25.8	33.0	37.1	39.0	37.7	23.6	17.6	13.9	8.9
Capiz	161.0	179.2	201.8	214.4	177.8	190.9	196.6	213.1	227.9	244.8
Guimaras	16.7	12.1	20.0	13.6	16.6	13.8	9.0	11.4	17.0	31.8
Iloilo	32.8	54.4	81.3	64.0	32.1	25.6	17.5	18.0	31.2	16.9
Negros Occidental	458.5	529.0	406.0	508.3	629.2	734.4	788.6	914.1	999.7	1,529.4
Central Visayas	179.9	191.3	163.4	103.1	58.4	101.2	175.9	180.1	136.6	211.0
Bohol	150.6	167.3	144.9	85.2	44.9	92.6	167.0	172.1	120.1	106.5
Cebu	15.6	12.5	8.1	8.4	6.1	5.8	8.1	7.6	16.5	104.2
Negros Oriental	13.7	11.4	10.3	9.5	7.3	2.8	0.8	0.4	-	0.3
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	67.3	62.6	61.2	64.1	47.2	36.6	36.8	43.0	6.7	4.5
Biliran	0.6	0.0	0.0	..	..	..	0.3	0.0	0.2	2.5
Eastern Samar	22.0	23.7	19.3	24.1	12.9	1.4	0.1	0.1	0.1	0.2
Leyte	18.4	9.9	9.8	7.0	..	..	0.1	0.5	0.8	0.1
Northern Samar	26.3	28.9	32.2	33.0	34.3	35.2	36.3	41.4	5.6	0.7
Samar	..	..	..	..	..	..	..	1.0	0.0	0.1
Southern Leyte	..	..	..	..	..	..	..	..	..	0.9
Zamboanga Peninsula	1,775.9	1,694.3	1,164.9	1,161.4	1,172.9	1,106.3	1,338.5	756.6	500.5	422.8
Zamboanga del Norte	55.7	56.3	53.1	38.0	26.3	18.3	20.8	18.4	19.9	19.7
Zamboanga del Sur	964.2	960.6	965.5	979.1	1,042.3	1,006.7	1,142.1	598.1	430.5	390.6
Zamboanga Sibugay	735.0	658.1	127.7	127.0	87.1	64.7	162.7	127.2	38.2	1.1
City of Zamboanga	21.0	19.4	18.5	17.4	17.2	16.6	12.9	13.0	11.9	11.4
Nothern Mindanao	468.0	580.9	504.4	428.4	372.6	539.8	510.8	616.3	673.1	553.8
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	395.6	519.8	467.6	362.6	304.2	434.3	429.9	444.3	466.0	476.6
Misamis Occidental	53.1	54.1	36.9	65.7	66.9	72.3	80.5	44.0	36.8	29.8
Misamis Oriental	19.3	7.0	..	0.2	1.5	33.2	0.5	128.0	170.3	47.5
Davao Region	190.4	161.6	174.3	202.2	312.2	306.8	117.3	117.9	439.5	382.1
Compostela Valley	10.7	12.8	10.9	8.1	5.4	3.2	1.6	1.4	1.9	2.0
Davao del Norte	26.3	27.3	25.7	20.5	21.3	32.9	41.1	30.1	165.7	262.4
Davao del Sur	144.6	112.1	115.5	58.5	49.7	45.2	33.4	12.0	63.4	46.6
Davao Occidental	.	.	.	.	.	.	.	.	.	0.2
Davao Oriental	1.8	3.2	2.7	3.5	1.7	0.3	0.8	4.0	7.4	3.0
City of Davao	7.0	6.2	19.5	111.6	234.1	225.2	40.5	70.3	201.1	67.9
SOCCSKSARGEN	187.8	237.2	338.3	397.7	373.8	167.7	127.5	214.5	661.7	1,486.5
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	181.6	223.9	246.2	244.2	224.0	119.1	97.1	197.3	656.4	1,469.0
Sultan Kudarat	6.2	7.4	6.5	7.3	3.5	3.0	19.7	1.5	0.2	0.1
South Cotabato	..	6.0	85.6	146.2	146.3	45.6	10.7	15.7	5.1	17.4
Caraga	29.8	37.1	54.8	12.9	7.0	5.0	14.0	37.7	32.3	9.2
Agusan del Norte	8.6	26.9	42.6	1.1	2.5	1.4	13.1	10.2	4.8	5.5
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	0.2	0.3	0.1
Surigao del Norte	21.2	10.2	11.7	11.0	4.4	3.1	0.1	0.4	0.2	..
Surigao del Sur	..	..	0.5	0.8	0.0	0.5	0.8	26.9	27.0	3.6
ARMM	171.9	122.5	124.5	125.9	124.7	127.6	129.7	148.7	152.9	160.9
Basilan	1.2	1.2	0.7	0.7	0.7	1.1	..	5.2	0.0	0.1
Lanao del Sur	9.3	9.1	9.2	6.7	3.7	1.9	..	..	..	..
Maguindanao	161.4	112.2	114.7	118.5	120.3	124.6	129.7	143.5	152.9	160.9
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tiger prawn										
Philippines	**48,161.8**	**47,494.7**	**48,196.6**	**49,466.9**	**47,843.4**	**49,527.3**	**49,139.3**	**46,067.7**	**44,780.2**	**45,732.1**
NCR	2.8	..	0.1	..	0.7	..	0.8	0.3	0.3	..
Metro Manila										
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	834.9	925.8	1,347.1	1,511.0	2,413.6	2,100.8	1,774.9	1,672.8	1,586.5	1,278.5
Ilocos Norte	0.1	1.6	1.9	1.9	2.8	0.6	0.9	0.9	0.7	0.5
Ilocos Sur	0.8	1.0	1.0	1.1	1.1	1.0	0.8	0.8	0.7	0.8
La Union	2.0	2.4	1.3	1.3	1.4	0.5	1.5	2.0	1.4	1.3
Pangasinan	832.0	920.9	1,343.0	1,506.7	2,408.3	2,098.7	1,771.7	1,669.2	1,583.7	1,276.0
Cagayan Valley	54.8	54.0	48.4	46.8	45.6	44.5	37.5	40.2	44.4	46.0
Cagayan	54.8	54.0	48.4	46.8	45.6	44.5	37.5	40.2	44.4	46.0
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	24,763.6	24,998.5	24,813.2	24,830.3	24,247.7	23,905.1	24,164.6	22,302.3	21,990.6	22,703.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	970.2	897.8	888.9	901.2	880.0	874.4	798.0	776.2	730.0	717.0
Bulacan	4,758.8	5,205.6	5,253.3	4,649.1	3,979.7	3,472.0	3,914.0	1,583.3	1,053.2	1,253.7
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	19,030.1	18,894.7	18,653.4	19,266.7	19,378.7	19,546.5	19,452.5	19,931.7	20,178.2	20,716.3
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	4.5	0.5	17.5	13.3	9.3	12.1	0.0	11.1	29.3	16.9
CALABARZON	237.6	80.9	695.0	256.8	57.9	73.8	192.3	323.9	294.3	112.2
Batangas	114.9	2.1	..	..	..	..	..	..	..	..
Cavite	5.0	3.7	3.3	0.6	0.9	0.6	1.1	0.7	1.0	0.4
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	117.7	75.1	691.7	256.2	57.0	73.2	191.2	323.3	293.3	111.8
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	603.9	654.2	666.7	425.1	285.5	564.0	334.9	259.5	271.2	282.0
Marinduque	98.3	97.7	99.5	92.3	86.7	83.9	95.7	98.0	106.2	99.7
Occidental Mindoro	..	..	..	..	..	..	2.7	0.6	..	0.0
Oriental Mindoro	496.0	544.9	552.5	313.7	177.7	459.6	225.1	151.8	148.8	125.9
Palawan	9.6	11.5	14.2	18.6	21.1	20.5	11.5	8.9	15.9	56.4
Romblon	..	0.1	0.5	0.5	..	..	..	0.3	0.3	0.1
Bicol Region	1,156.2	1,277.3	1,489.1	1,602.3	1,622.7	1,593.9	2,298.7	2,348.2	2,586.1	3,730.7
Albay	9.6	9.6	9.7	7.1	6.6	1.1	3.1	2.3	2.0	1.5
Camarines Norte	573.4	695.6	776.9	869.2	940.9	1,024.7	1,824.6	1,952.5	2,269.2	3,485.3
Camarines Sur	342.8	353.2	383.0	379.5	364.1	324.9	228.2	126.6	101.1	97.1
Catanduanes	13.4	21.0	23.0	25.5	22.7	26.4	22.4	23.3	0.3	0.4
Masbate	77.0	75.2	78.6	78.1	79.6	62.6	61.0	63.0	57.6	42.1
Sorsogon	140.1	122.8	217.9	242.9	208.8	154.2	159.5	180.4	156.0	104.3
Western Visayas	2,006.6	1,919.0	2,109.6	2,094.9	1,877.4	1,702.1	1,266.9	1,027.1	890.7	792.8
Aklan	345.1	448.7	566.9	661.8	586.9	662.0	368.4	251.4	265.5	256.4
Antique	3.7	3.7	3.8	4.0	4.4	3.9	3.2	3.7	2.6	2.2
Capiz	1,431.2	1,352.6	1,450.7	1,333.4	1,253.3	1,007.5	873.4	754.6	600.6	530.1
Guimaras	..	..	..	..	..	..	..	..	0.0	0.0
Iloilo	96.1	4.9	3.7	2.3	0.7	0.4	0.4	0.3	..	2.8
Negros Occidental	130.6	109.1	84.4	93.4	32.2	28.2	21.4	17.2	22.0	1.2
Central Visayas	1,351.1	1,056.4	1,087.1	594.1	252.6	234.5	203.5	384.1	444.5	287.8
Bohol	881.8	407.0	406.0	252.1	99.1	85.1	96.8	275.0	344.5	187.8
Cebu	406.3	525.3	575.4	262.5	117.4	114.4	56.6	36.1	..	..
Negros Oriental	63.0	124.1	105.8	79.5	36.1	35.0	50.0	73.0	100.0	100.0
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	392.3	318.1	262.5	212.8	125.3	122.1	108.9	233.9	278.8	8.6
Biliran	1.0	0.7	0.9	-	0.0	0.4	1.1	1.1	0.6	..
Eastern Samar	1.1	1.3	..	..	..	..	..	0.1	..	..
Leyte	205.2	161.9	159.1	146.4	125.2	121.8	107.5	232.0	267.0	1.5
Northern Samar	17.5	..	..	..	..	..	..	..	0.2	0.9
Samar	167.5	154.2	102.4	66.5	..	..	0.2	..	2.4	4.5
Southern Leyte	..	..	0.1	..	..	..	0.0	0.8	8.6	1.7
Zamboanga Peninsula	7,280.9	6,661.9	4,921.3	4,081.3	3,971.4	3,880.7	2,360.5	1,510.4	1,153.2	918.4
Zamboanga del Norte	27.0	25.2	29.3	23.6	20.8	14.0	17.2	22.9	5.8	6.0
Zamboanga del Sur	3,105.9	3,366.7	3,355.4	3,377.0	3,601.8	3,503.9	1,836.5	1,127.4	824.1	711.7
Zamboanga Sibugay	4,107.9	3,222.8	1,493.5	652.5	320.5	334.4	480.1	336.4	306.6	187.6
City of Zamboanga	40.2	47.3	43.1	28.2	28.4	28.4	26.7	23.7	16.7	13.1
Nothern Mindanao	8,530.3	8,678.9	9,991.4	13,074.9	12,207.1	14,706.4	15,471.3	15,177.7	14,599.6	15,050.4
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	6,760.9	6,659.5	7,818.3	11,519.3	10,556.7	13,380.0	14,114.8	13,956.2	13,443.4	13,933.9
Misamis Occidental	1,738.1	2,019.4	2,173.1	1,555.6	1,650.4	1,326.5	1,356.6	1,221.5	1,156.2	1,116.5
Misamis Oriental	31.3	..	..	..	..	..	..	..	..	..
Davao Region	35.0	34.3	26.2	21.5	19.4	54.7	243.2	20.8	110.3	84.2
Compostela Valley	2.3	3.0	3.0	1.9	1.0	0.4	0.4	2.3	3.2	2.6
Davao del Norte	32.7	31.3	23.1	19.6	18.4	54.3	242.8	18.5	107.0	80.8
Davao del Sur	..	-	..	..	..	..	..	0.0	-	0.8
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	0.0	0.0	..	0.0	0.0	0.0	0.1	-
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	12.8	24.8	2.6	2.2	1.7	4.1	2.5	0.2	0.7	0.2
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	11.0	6.9	..	..	..	..	..	..	..	..
Sultan Kudarat	1.8	2.9	2.6	2.2	1.7	4.1	2.5	0.2	0.7	0.2
South Cotabato	..	15.0	..	..	..	..	..	..	..	..
Caraga	647.4	537.1	466.5	454.8	451.2	273.5	413.3	478.8	246.9	142.8
Agusan del Norte	134.7	104.1	83.2	58.6	51.1	47.9	206.6	219.9	69.9	59.8
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	0.1	0.1	0.2	0.3
Surigao del Norte	97.6	39.7	31.3	22.8	31.4	53.6	47.7	64.0	53.6	46.2
Surigao del Sur	415.1	393.3	352.1	373.4	368.7	172.0	159.0	194.8	123.2	36.6
ARMM	251.8	273.5	269.9	258.2	263.9	267.2	265.6	287.5	282.4	293.7
Basilan	21.4	21.7	20.7	19.9	20.1	20.2	16.3	23.3	0.0	0.0
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	230.3	251.8	249.3	238.3	243.7	247.0	249.4	264.2	282.4	293.6
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudcrab										
Philippines	**14,436.5**	**15,730.9**	**16,359.6**	**15,794.0**	**16,159.7**	**16,198.5**	**16,856.5**	**18,097.5**	**20,762.0**	**20,764.3**
NCR	2.1	..	..	..	..	..	1.2	1.8	0.1	0.9
Metro Manila	2.1	..	..	..	..	..	1.2	1.8	0.1	0.9
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	8.0	9.0	8.2	8.8	11.2	12.1	12.1	11.5	9.8	9.6
Ilocos Norte	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ilocos Sur	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
La Union	0.4	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Pangasinan	7.3	8.3	7.9	8.5	11.0	11.9	11.9	11.3	9.5	9.3
Cagayan Valley	55.7	58.6	55.3	52.5	50.8	49.5	39.3	44.9	50.1	48.5
Cagayan	55.7	58.6	55.3	52.5	50.8	49.5	39.3	44.9	50.1	48.5
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	4,133.7	4,156.1	4,017.3	4,096.5	4,069.9	4,179.8	4,154.3	4,354.7	4,338.0	4,621.4
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	123.0	124.0	122.6	125.0	125.5	130.8	128.0	130.9	135.1	124.0
Bulacan	82.6	71.7	59.4	70.2	73.3	65.7	35.8	36.2	12.6	46.2
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	3,926.8	3,956.7	3,833.0	3,896.9	3,865.4	3,977.5	3,989.3	4,185.6	4,189.3	4,446.8
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	1.3	3.7	2.3	4.4	5.8	5.9	1.2	1.9	1.1	4.5
CALABARZON	34.4	36.0	24.6	25.0	27.0	38.4	119.8	616.4	2,751.2	3,210.1
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	0.0	0.0	0.0	0.1
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	34.4	36.0	24.6	25.0	27.0	38.4	119.8	616.4	2,751.2	3,210.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	1.8	2.4	5.6	5.9	6.2	7.6	7.2	11.2	33.1	15.8
Marinduque	..	..	..	..	..	..	1.1	1.2	1.5	0.8
Occidental Mindoro	..	..	..	..	..	..	..	..	..	0.0
Oriental Mindoro	..	0.3	1.3	1.0	0.7	0.2	0.2	0.2	0.4	0.4
Palawan	1.8	2.1	4.1	4.8	5.6	7.4	6.0	9.7	31.1	14.4
Romblon	..	..	0.2	0.1	..	..	..	0.1	0.1	0.2
Bicol Region	1,899.6	1,578.0	1,390.7	1,352.3	1,518.5	1,239.1	1,051.3	1,112.5	1,203.0	553.2
Albay	16.5	16.3	16.5	15.6	14.0	2.0	..	0.5	0.6	0.6
Camarines Norte	170.2	185.8	206.1	229.2	246.2	263.2	213.7	198.9	214.3	161.8
Camarines Sur	197.5	221.5	241.8	240.7	235.9	212.1	171.2	121.8	99.8	88.5
Catanduanes	12.8	16.6	81.6	116.6	87.0	96.1	93.1	16.8	16.4	16.6
Masbate	59.5	61.2	65.7	66.9	69.9	68.5	68.1	68.6	62.5	44.4
Sorsogon	1,443.1	1,076.7	779.1	683.3	865.5	597.3	505.2	706.0	809.4	241.4
Western Visayas	1,200.5	1,683.4	1,874.3	1,689.3	1,814.5	1,602.1	1,759.7	2,096.0	2,239.3	2,051.7
Aklan	8.7	9.6	12.7	25.2	31.1	41.1	45.8	37.7	33.6	30.4
Antique	7.9	7.1	7.5	7.8	8.0	8.0	5.4	4.3	3.3	2.7
Capiz	1,163.4	1,651.7	1,831.6	1,638.7	1,764.8	1,544.2	1,702.6	2,045.8	2,189.4	2,000.0
Guimaras	10.4	7.9	12.9	13.1	8.3	6.6	3.9	6.7	11.0	7.1
Iloilo	4.5	..	1.7	3.0	1.0	1.4	1.6	1.3	1.8	11.2
Negros Occidental	5.5	7.2	7.9	1.5	1.2	0.8	0.4	0.2	0.2	0.3
Central Visayas	8.1	3.6	4.4	4.9	4.7	4.3	3.3	5.4	2.1	1.8
Bohol	8.1	3.6	4.3	4.9	4.6	4.2	3.3	5.4	2.1	1.8
Cebu	0.0	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	0.0	-	0.1	0.1	-	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	412.3	409.1	370.7	653.2	485.7	299.3	308.8	391.5	358.8	594.2
Biliran	..	..	..	..	..	0.2	..	..	..	..
Eastern Samar	155.9	170.6	91.6	83.2	31.4	1.8	0.0	0.0	..	0.6
Leyte	8.5	8.1	5.8	3.8	2.1	1.7	1.0	0.9	1.4	2.3
Northern Samar	163.4	151.0	185.8	190.1	190.8	134.7	128.5	141.5	187.8	277.0
Samar	84.4	79.4	87.6	376.1	261.5	161.1	179.3	249.1	169.5	314.4
Southern Leyte	..	..	..	..	..	..	..	..	0.0	0.0
Zamboanga Peninsula	255.3	246.8	284.1	277.6	235.3	234.4	615.4	481.9	702.0	792.1
Zamboanga del Norte	4.6	5.4	5.3	5.5	6.4	3.8	4.5	4.9	2.2	2.3
Zamboanga del Sur	48.0	48.6	48.2	49.3	60.2	58.4	253.9	200.5	226.5	261.8
Zamboanga Sibugay	129.7	102.3	142.8	141.5	80.6	68.7	265.6	183.0	371.3	440.1
City of Zamboanga	73.1	90.6	87.8	81.4	88.1	103.5	91.4	93.5	102.1	88.0
Nothern Mindanao	6,150.0	7,280.4	8,084.3	7,409.0	7,739.4	8,336.1	8,571.4	8,668.9	8,602.6	8,450.1
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	5,643.2	6,722.6	7,505.0	6,486.1	6,692.5	7,101.2	7,269.0	7,513.5	7,565.7	7,439.1
Misamis Occidental	506.8	557.9	579.3	922.9	1,046.9	1,234.9	1,302.4	1,155.4	1,036.9	1,011.0
Misamis Oriental	..	..	..	..	..	..	..	0.0	..	..
Davao Region	3.6	3.8	3.7	3.4	1.6	2.6	2.7	4.2	51.9	15.3
Compostela Valley	0.4	0.5	0.7	0.6	..	0.0	0.1	0.9	0.2	0.7
Davao del Norte	2.9	3.3	2.9	2.8	1.6	2.5	2.6	3.3	51.7	14.6
Davao del Sur	..	..	..	..	..	..	..	-	-	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	0.4	..	0.0	0.0	..	0.0	0.0	0.0	0.0	0.0
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	0.3	0.3	0.5	0.6	0.5	0.6	1.1	0.4	0.1	0.2
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	0.3	0.3	0.5	0.6	0.5	0.6	1.1	0.4	0.1	0.2
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	189.1	180.6	156.0	131.7	109.8	107.4	120.0	201.5	322.3	293.3
Agusan del Norte	12.4	14.8	18.4	21.0	24.7	28.5	28.4	48.0	54.1	42.7
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	0.1	0.0	0.1	0.0
Surigao del Norte	32.8	23.0	23.8	23.6	11.9	19.0	9.5	13.1	30.5	42.5
Surigao del Sur	143.8	142.9	113.8	87.1	73.2	59.9	82.1	140.4	237.6	208.1
ARMM	82.1	82.9	80.2	83.4	84.8	85.2	88.9	94.7	97.7	106.3
Basilan	..	..	..	..	..	..	0.0	0.1	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	78.1	80.0	80.2	83.4	84.8	85.2	88.9	94.6	97.7	106.3
Sulu	4.0	2.9	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Endeavor Prawn										
Philippines	**689.4**	**689.8**	**778.5**	**757.2**	**1150.6**	**950.3**	**635.8**	**644.0**	**520.6**	**498.2**
NCR	..	..	..	0.0	..	..	..	..	..	..
Metro Manila										
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	46.0	47.5	54.3	58.9	69.7	61.9	76.5	81.2	31.3	36.8
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	33.6	33.7	38.9	41.8	51.8	40.9	56.2	61.4	13.6	18.7
Pangasinan	12.4	13.8	15.4	17.1	17.9	21.0	20.3	19.8	17.8	18.2
Cagayan Valley	91.6	97.4	94.5	96.0	94.0	90.6	65.3	57.1	60.0	55.7
Cagayan	91.6	97.4	94.5	96.0	94.0	90.6	65.3	57.1	60.0	55.7
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	106.9	108.5	110.7	115.0	118.3	123.7	118.1	117.2	138.6	117.8
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	106.7	108.0	110.7	115.0	118.3	123.7	118.1	114.8	138.6	117.8
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	0.2	0.5	..	..	..	..	..	2.3	..	..
CALABARZON	131.7	88.1	141.6	126.1	506.1	323.2	75.5	119.5	39.9	43.8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	131.7	88.1	141.6	126.1	506.1	323.2	75.5	119.5	39.9	43.8
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	0.2	0.4	0.5	0.7
Marinduque	..	..	..	..	..	..	0.1	0.1	0.1	0.3
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	0.1	..	0.1	0.1
Palawan	..	..	..	..	..	..	..	0.3	0.3	0.3
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	145.9	155.3	162.0	154.4	159.0	148.0	111.6	99.3	89.0	47.3
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	1.6	1.2	0.4	4.4
Camarines Sur	69.3	69.9	67.8	54.7	48.3	40.4	9.4	2.0	1.9	..
Catanduanes	..	..	..	..	..	..	..	..	..	0.2
Masbate	76.6	85.4	93.6	99.6	110.8	107.6	100.6	96.1	86.8	42.7
Sorsogon	..	..	0.5	..	0.0	..	..	..	..	..
Western Visayas	107.5	146.0	165.5	159.2	160.8	151.7	154.8	144.8	137.3	172.7
Aklan	20.3	25.6	29.7	32.7	23.4	25.6	30.5	32.3	38.9	35.7
Antique	7.7	7.0	7.2	8.1	7.2	5.8	5.0	4.1	3.0	2.7
Capiz	47.4	57.9	63.3	68.6	77.3	85.4	93.4	99.5	92.1	130.8
Guimaras	8.2	6.4	8.9	7.3	8.3	4.8	1.7	2.3	3.0	1.7
Iloilo	16.5	41.3	46.8	36.4	38.9	27.1	19.9	6.3	0.3	1.6
Negros Occidental	7.4	7.9	9.7	6.2	5.7	3.1	4.3	0.4	0.1	0.2
Central Visayas	..	..	0.0	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	0.0	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	0.1	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	0.1	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	1.6
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	1.6
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	25.4	15.9	26.0	23.2	24.4	27.5	17.7	17.7	20.6	19.3
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	6.4	6.4	12.1	14.4	14.4	24.1	14.2	13.4	13.4	12.1
Misamis Occidental	19.1	9.5	13.9	8.8	10.0	3.4	3.5	4.3	7.2	7.1
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	16.8	18.5	15.9	17.9	12.8	13.8	4.9	5.3	2.5	2.3
Compostela Valley	5.4	7.6	6.2	6.7	3.9	1.0	0.5	2.9	2.0	2.2
Davao del Norte	11.3	10.9	9.7	11.2	8.9	12.6	4.2	1.9	0.0	0.0
Davao del Sur	..	..	..	..	..	..	..	0.2	0.0	0.0
Davao Occidental	.	.	.	.	.	.	.	.	.	0.0
Davao Oriental	..	..	..	..	..	0.3	0.2	0.4	0.5	0.0
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	17.7	12.7	8.0	6.5	5.4	9.9	11.2	1.6	1.0	0.4
Agusan del Norte	0.4	0.5	0.3	0.2	0.3	0.4	0.4	1.2	0.4	0.0
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	17.3	12.2	7.7	6.3	5.1	9.5	10.8	0.4	0.6	0.4
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White shrimp										
Philippines	**2,076.5**	**1,974.1**	**1,878.6**	**1,871.0**	**1,826.7**	**1,646.0**	**1,673.7**	**1,744.3**	**1,758.9**	**1,175.6**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	12.4	12.3	27.8	35.9	30.2	15.4	17.1	14.9	10.5	12.6
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	6.9	7.4	22.7	28.5	19.4	4.8	7.5	4.8	1.3	3.4
Pangasinan	5.6	4.9	5.1	7.5	10.8	10.6	9.7	10.0	9.2	9.2
Cagayan Valley	57.2	61.0	55.2	56.3	54.3	53.5	48.6	40.8	45.7	41.5
Cagayan	57.2	61.0	55.2	56.3	54.3	53.5	48.6	40.8	45.7	41.5
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	370.7	383.7	372.6	364.4	356.4	372.7	390.0	406.6	411.0	409.4
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	44.7	46.3	48.0	50.0	51.1	53.2	54.9	59.7	53.3	38.4
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	326.0	337.5	324.7	314.4	305.3	319.5	335.1	346.9	357.8	371.0
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	129.3	123.8	145.8	105.9	104.5	..	0.6	0.3	1.0	0.5
Batangas	40.0	49.0	42.8	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	0.0	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	89.3	74.8	103.0	105.9	104.5	..	0.6	0.3	1.0	0.5
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	0.2	0.0	0.4
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	0.2	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	0.4
Romblon	..	..	..	..	..	..	..	0.0	0.0	0.0
Bicol Region	149.8	158.4	166.6	180.0	191.0	180.1	166.9	145.7	129.1	55.2
Albay	..	..	..	..	..	..	1.3	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	0.0	0.0
Camarines Sur	..	..	..	..	..	0.2	..	..	..	..
Catanduanes	0.9	0.1	0.7	2.9	3.6	7.7	8.3	1.4	0.1	0.2
Masbate	148.4	157.0	165.0	175.6	186.2	171.7	157.0	144.1	128.9	55.0
Sorsogon	0.5	1.3	0.9	1.5	1.2	0.6	0.2	0.3	0.1	0.0
Western Visayas	37.6	37.6	40.9	46.0	25.5	24.6	20.1	20.9	19.1	16.3
Aklan	0.1	0.1	-	0.0	..	..	..	..	0.1	0.1
Antique	3.5	3.3	3.8	3.9	3.8	3.5	3.4	2.0	0.9	0.6
Capiz	5.1	7.3	7.7	7.9	9.2	10.1	11.2	11.4	10.7	12.1
Guimaras	12.7	9.6	10.5	7.0	4.6	4.3	2.0	3.0	2.8	1.8
Iloilo	..	..	..	..	..	..	..	..	..	1.0
Negros Occidental	16.3	17.3	18.8	27.2	7.9	6.6	3.4	4.6	4.6	0.6
Central Visayas	15.2	21.2	9.4	10.5	7.8	8.6	5.8	7.5	6.0	3.3
Bohol	5.0	5.0	5.4	6.5	5.4	6.2	5.8	7.5	6.0	3.3
Cebu	2.1	2.4	1.9	2.5	1.9	2.1	0.0	0.0	..	0.0
Negros Oriental	8.1	13.8	2.2	1.5	0.6	0.4	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	1.1	1.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	-
Northern Samar	..	..	..	..	..	..	..	..	1.1	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	1.5
Zamboanga Peninsula	1,019.7	889.6	792.5	799.3	737.3	684.9	802.1	846.4	916.4	408.4
Zamboanga del Norte	22.3	24.4	28.1	27.6	24.1	16.8	20.6	25.3	23.7	25.3
Zamboanga del Sur	532.8	636.3	603.7	601.6	608.9	579.0	704.1	752.6	848.0	354.8
Zamboanga Sibugay	428.7	188.4	120.5	133.7	69.3	52.5	42.5	35.8	13.7	..
City of Zamboanga	35.9	40.5	40.2	36.4	35.0	36.6	35.0	32.6	31.1	28.3
Nothern Mindanao	22.4	25.9	31.1	40.5	44.3	38.5	36.9	38.6	40.1	40.0
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	9.4	13.5	14.3	19.5	19.0	19.1	16.3	15.9	16.1	15.6
Misamis Occidental	12.6	11.6	16.2	19.6	24.3	19.2	20.6	22.7	24.0	24.4
Misamis Oriental	0.5	0.8	0.6	1.5	0.9	0.2	..	..	..	..
Davao Region	39.8	31.0	28.5	21.0	22.8	22.7	18.9	56.0	7.7	1.4
Compostela Valley	0.6	0.7	1.3	0.5	..	..	0.0	0.0	..	..
Davao del Norte	0.2	0.3	0.0	0.1	0.0	0.1	0.0	2.7	4.4	1.4
Davao del Sur	39.0	30.1	26.9	18.4	18.4	18.9	18.8	53.3	3.3	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	0.3	2.0	4.3	3.8	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	0.1	0.1	0.1	0.1	0.4	0.2	0.0	0.0	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	0.1	0.1	0.1	0.1	0.4	0.2	0.0	0.0	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	103.2	106.0	83.9	80.0	107.9	95.6	15.6	4.3	3.1	4.0
Agusan del Norte	2.0	2.4	2.4	1.8	2.7	4.3	2.5	1.9	0.1	-
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	3.9	3.2	3.6	3.3	2.9	5.1	6.3	2.0	2.9	2.4
Surigao del Sur	97.3	100.5	78.0	75.0	102.3	86.3	6.9	0.4	0.2	1.5
ARMM	119.1	123.5	124.1	131.2	144.8	149.0	150.9	162.2	168.0	181.2
Basilan	3.3	3.5	1.8	1.8	1.7	2.0	..	..	..	0.2
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	115.8	120.1	122.3	129.4	143.1	147.0	150.9	162.2	168.0	181.1
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper										
Philippines	35.5	18.9	20.2	26.3	14.9	22.3	20.2	17.8	20.3	25.8
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	0.7	0.6	0.5	0.4	0.4	0.3	0.3	..	..	0.0
Cagayan	0.7	0.6	0.5	0.4	0.4	0.3	0.3	..	..	0.0
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	16.7	7.2	3.2	5.7	1.8	1.9	0.1	2.6	0.5	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	16.7	7.2	3.2	5.7	1.8	1.9	0.1	2.6	0.5	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	13.0	7.8	10.0	16.0	11.1	18.7	15.5	12.4	13.3	22.8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	13.0	7.8	10.0	16.0	11.1	18.7	15.5	12.4	13.3	22.8
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	0.0	..	..
Marinduque	..	..	..	..	..	..	..	0.0	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	0.0	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	0.1	..	..	0.3	3.6	2.7	4.5	2.9
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	0.8	0.7	0.3	1.1
Camarines Sur	..	..	..	..	..	0.3	2.8	2.0	4.2	1.8
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	0.1	..	..	..	..	..	..	..
Western Visayas	5.0	3.2	6.4	4.2	1.2	1.3	0.7	0.1	0.1	0.1
Aklan	..	..	..	..	..	..	..	..	0.0	0.0
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	2.8	..	0.8	..	..	..	..	..	..	..
Negros Occidental	2.3	3.2	5.6	4.2	1.2	1.3	0.7	0.1	0.0	0.1
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	2.0	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	2.0	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	0.4	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	0.4	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	0.1	0.1	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	0.1	..	..	..	..	..	..	..	..
Davao del Sur	..	..	0.1	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid										
Philippines	**59.9**	**58.1**	**61.9**	**69.7**	**99.1**	**91.8**	**64.6**	**63.5**	**63.3**	**60.1**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	36.8	39.3	43.5	50.7	81.2	75.3	50.8	50.6	46.7	45.1
Ilocos Norte	..	0.0	0.0	0.0	0.0	0.5	0.6	0.7	1.1	0.8
Ilocos Sur	1.3	1.0	1.1	1.3	1.5	1.2	1.0	0.9	0.8	1.0
La Union	8.8	9.6	12.8	14.3	29.5	20.0	1.8	0.8	0.1	0.9
Pangasinan	26.8	28.7	29.6	35.1	50.2	53.6	47.4	48.2	44.6	42.4
Cagayan Valley	16.3	18.8	18.4	18.3	17.8	16.4	13.6	12.2	13.5	13.9
Cagayan	16.3	18.8	18.4	18.3	17.8	16.4	13.6	12.2	13.5	13.9
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	0.2	..	..	0.8	0.6
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	0.2	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	0.8	0.6
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	0.1	..	..	..
Marinduque	..	..	..	..	..	..	0.0	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	0.0	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	0.2	0.1	..	..	0.4	0.4	0.4
Albay	..	..	..	..	..	..	..	0.3	0.2	0.2
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	0.1	0.1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	0.2	0.1	..	..	0.1	0.2	0.1
Western Visayas	..	..	..	..	..	..	0.0	0.1	..	..
Aklan	..	..	..	..	..	..	0.0	0.1	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	0.1	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	0.1	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	6.8	..	..	..	..	..	..	0.3	1.8	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	6.8	..	..	..	..	..	..	0.3	1.8	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	0.4	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	0.4	..	..	..	..	..	..
Davao Region	..	0.0	..	..	..	..	0.0	0.0	0.2	0.2
Compostela Valley	..	..	..	..	..	..	0.0	..	0.2	0.2
Davao del Norte	..	0.0	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	0.0	0.0	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	0.0	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	0.0	0.0	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	0.0	0.0	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.1
AQUACULTURE IN BRACKISHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**5,134.0**	**4,367.2**	**5,781.3**	**7,787.0**	**7,812.3**	**9,000.1**	**10,477.0**	**14,391.3**	**12,979.8**	**19,645.2**
NCR	..	..	..	..	..	..	14.7	181.1	174.5	224.4
Metro Manila	..	..	..	..	..	..	14.7	181.1	174.5	224.4
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	184.9	236.1	572.0	491.0	518.2	581.0	479.5	515.0	474.7	563.8
Ilocos Norte	67.2	56.4	3.9	1.7	0.2	0.6	0.7	0.7	1.2	0.8
Ilocos Sur	0.7	13.0	20.3	20.3	19.8	16.0	14.4	12.7	9.6	8.9
La Union	62.7	114.7	64.3	45.9	41.4	2.8	0.0	0.0	0.0	0.0
Pangasinan	54.3	52.0	483.5	423.1	456.9	561.6	464.4	501.6	463.9	554.2
Cagayan Valley	7.2	9.6	549.9	997.1	1,049.9	1,502.9	1,465.0	1,340.2	1,220.4	1,320.6
Cagayan	7.2	9.6	549.9	997.1	1,049.9	1,502.9	1,465.0	1,340.2	1,220.4	1,320.6
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	1,872.5	1,022.1	1,641.7	1,799.2	2,054.7	2,236.4	2,007.7	3,349.8	1,683.2	2,079.6
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	18.9	44.3	46.3	49.4	52.0	55.1	51.9	55.0	50.9	54.5
Bulacan	62.6	162.8	200.6	307.9	397.3	408.3	519.4	766.8	658.2	329.3
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	8.0	7.8	8.1	8.5	8.5	9.2	20.9	36.8	49.9	119.7
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	1,783.0	807.2	1,386.7	1,433.4	1,596.9	1,763.8	1,415.6	2,491.3	924.2	1,576.2
CALABARZON	551.8	554.9	551.3	613.8	326.5	405.6	329.4	300.6	628.7	1,742.2
Batangas	537.1	553.7	549.8	612.9	324.1	400.1	322.2	290.6	619.2	1,736.0
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	14.7	1.3	1.5	0.9	2.4	5.5	7.1	10.0	9.5	6.2
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	62.0	44.1	27.3	28.4	16.2	26.3	10.2	18.9	28.9	24.6
Marinduque	..	..	..	..	..	..	0.9	0.1	11.5	13.7
Occidental Mindoro	62.0	42.5	27.3	28.4	16.2	18.8	4.5	5.3	0.1	..
Oriental Mindoro	..	1.6	..	..	..	7.5	4.9	13.1	10.5	10.1
Palawan	..	..	..	..	..	..	..	0.5	6.7	0.8
Romblon	..	..	..	..	..	..	..	..	0.1	0.0
Bicol Region	2.1	1.7	2.6	2.1	3.2	4.3	26.0	43.9	35.9	34.3
Albay	..	..	..	..	..	..	1.4	..	0.0	..
Camarines Norte	..	..	..	..	..	..	1.8	2.2	0.7	0.8
Camarines Sur	0.3	0.3	1.8	2.1	2.4	4.3	22.9	41.7	35.0	33.0
Catanduanes	..	..	..	..	..	..	0.0	..	0.2	0.5
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1.9	1.3	0.7	..	0.8	..	..	..	..	0.1
Western Visayas	298.6	194.9	222.5	206.8	369.4	387.5	738.9	671.8	537.6	844.2
Aklan	24.8	13.9	8.1	5.8	6.3	7.0	6.9	6.7	8.7	6.4
Antique	8.4	10.6	12.2	12.4	11.8	11.7	9.1	8.4	6.7	7.0
Capiz	45.0	50.8	57.0	58.4	61.4	63.2	81.2	79.9	82.8	92.8
Guimaras	..	..	..	..	..	..	0.1	0.0	0.0	0.0
Iloilo	104.8	108.5	133.9	125.7	139.2	107.1	117.4	11.5	8.5	38.0
Negros Occidental	115.7	11.2	11.3	4.5	150.7	198.5	524.3	565.2	431.0	700.0
Central Visayas	1,061.9	890.5	708.1	1,982.7	1,437.1	2,028.1	2,380.5	3,822.3	3,201.8	4,572.6
Bohol	130.4	278.4	420.1	398.8	251.0	251.3	414.5	868.7	919.5	1,692.9
Cebu	250.1	229.3	140.6	1,014.6	631.1	1,294.3	1,528.6	2,308.6	1,663.6	2,151.0
Negros Oriental	681.4	382.8	147.4	569.2	555.0	482.5	437.5	644.9	618.8	728.7
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	107.0	175.6	107.0	41.7	35.8	1.4	0.5	1.7	62.8
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	0.1
Leyte	..	107.0	175.6	101.2	40.7	34.6	0.1	..	1.7	62.3
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	0.1	..	..	..	..	..	0.3
Southern Leyte	..	..	..	5.6	1.0	1.2	1.3	0.5	0.0	0.2
Zamboanga Peninsula	..	..	..	..	2.4	..	..	1.6	1.4	2.4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	1.6	1.4	2.0
Zamboanga Sibugay	..	..	..	..	2.4	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	0.3
Nothern Mindanao	99.5	112.4	38.0	33.8	45.6	2.8	..	1.8	5.5	3.4
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	98.7	100.4	18.9	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	2.8	..	1.7	2.5	3.4
Misamis Oriental	0.8	12.0	19.1	33.8	45.6	..	..	0.1	3.0	..
Davao Region	231.4	133.8	202.0	263.6	548.7	336.8	501.6	570.8	633.4	984.4
Compostela Valley	0.3	..	0.2	..	0.0	0.0	0.2	9.7	25.8	18.2
Davao del Norte	0.7	0.1	0.1	..	..	..	0.2	28.9	68.3	37.5
Davao del Sur	196.0	26.2	19.4	11.7	11.7	12.0	33.1	188.8	208.0	394.6
Davao Occidental	.	.	.	.	.	.	.	.	.	12.0
Davao Oriental	10.7	34.4	50.8	48.6	5.7	8.5	14.1	26.3	27.5	88.2
City of Davao	23.8	73.1	131.5	203.3	531.1	316.2	454.0	317.2	303.9	433.8
SOCCSKSARGEN	548.1	900.1	961.9	775.9	935.0	834.0	2,066.3	3,083.1	3,751.7	6,611.8
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	453.1	667.9	798.6	623.2	721.6	524.4	1,708.6	2,440.7	3,191.7	5,858.9
Sultan Kudarat	..	..	..	..	1.9	19.6	7.6	15.0	83.3	83.3
South Cotabato	95.0	232.2	163.3	152.7	211.6	290.0	350.0	627.4	476.6	669.6
Caraga	213.8	160.1	128.5	485.8	463.7	618.8	455.8	489.9	600.6	574.1
Agusan del Norte	213.8	160.1	128.5	481.9	430.1	576.5	425.7	429.0	542.2	523.4
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	1.8	28.1	35.9	14.5	12.9	9.3	4.1
Surigao del Sur	..	..	..	2.1	5.6	6.4	15.6	48.0	49.1	46.5
ARMM	..	..	..	..	..	..	0.0	..	..	..
Basilan	..	..	..	..	..	..	0.0	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.2
AQUACULTURE IN BRACKISHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**636.9**	**783.4**	**835.4**	**872.8**	**814.7**	**800.3**	**2,022.9**	**2,759.2**	**2,877.1**	**1,921.3**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	592.5	739.5	784.2	816.0	756.2	740.0	1,975.2	2,623.3	2,786.5	1,832.8
Ilocos Norte	..	..	..	..	..	0.1	0.1	0.1	0.1	0.0
Ilocos Sur	..	..	..	..	0.4	3.6	7.7	6.2	7.5	4.7
La Union	573.6	739.5	784.2	816.0	755.7	725.4	1,956.4	2,606.0	2,773.5	1,827.6
Pangasinan	19.0	..	..	..	..	10.9	11.0	11.0	5.5	0.4
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	26.9	29.0	35.7	39.6	39.0	44.1	31.1	50.6	73.2	76.3
Aklan	26.4	28.3	35.3	39.5	39.0	44.1	31.1	50.6	73.2	76.3
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	0.5	0.7	0.4	0.1	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	0.1	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	1.5	2.4	2.4	2.9
Bohol	..	..	..	..	..	..	0.4	2.4	2.4	2.5
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	1.1	..	..	0.4
Eastern Visayas	10.7	12.2	13.4	13.9	12.7	12.8	6.9	4.5	0.4	0.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	-	..	-	-
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	10.7	12.2	12.5	12.5	12.7	12.8	6.9	4.5	..	..
Samar	..	..	0.9	1.4	..	..	..	0.0	0.4	0.1
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.7	0.8	..	..	..	..	0.9	..	0.0	0.7
Compostela Valley	0.7	0.8	..	..	..	..	0.9	..	0.0	0.7
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	6.1	1.9	2.1	3.4	6.8	3.4	7.2	78.4	14.5	8.6
Agusan del Norte	6.0	1.9	1.0	1.3	2.0	..	..	0.0	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	0.1	..	1.1	2.1	4.8	3.4	7.2	78.4	14.5	8.6
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.2
AQUACULTURE IN BRACKISHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**58.8**	**45.2**	**40.2**	**40.9**	**39.2**	**29.4**	**57.7**	**2.9**	**2.5**	**3.6**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	58.7	44.7	39.5	40.7	39.2	29.4	51.3	0.8	1.4	1.5
Ilocos Norte	..	..	..	..	..	0.6	0.4	0.3	0.8	0.2
Ilocos Sur	..	..	..	..	0.2	0.2	0.2	0.1	0.1	0.1
La Union	58.7	44.7	39.5	40.7	39.0	28.7	50.7	0.3	0.5	1.2
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	0.2	..	..	4.2	..	..	..
Bohol	..	..	..	..	..	..	4.0	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	0.2	..	..	0.2	..	..	..
Eastern Visayas	..	..	..	..	..	..	2.3	1.3	-	0.1
Biliran	..	..	..	..	..	..	2.0	..	..	..
Eastern Samar	..	..	..	..	..	..	0.0	0.0	-	0.1
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	0.2	1.3	..	..
Samar	..	..	..	..	..	..	0.1	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	0.2	0.4	0.8	0.1	0.0	..	..	0.8	1.2	2.0
Agusan del Norte	0.2	0.4	0.8	0.1	0.0	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	0.8	1.2	2.0
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.2
AQUACULTURE IN BRACKISHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION (continued)
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper										
Philippines	**0.2**	**0.3**	**..**	**..**	**..**	**..**	**..**	**0.1**	**0.3**	**0.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.1	0.3	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	0.1	0.3	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	0.3	0.2
Aklan	..	..	..	..	..	..	..	..	0.3	0.2
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	0.1	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	0.1	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.0	0.0	..	..	..	..	..	..	..	-
Compostela Valley	0.0	0.0	..	..	..	..	..	..	..	-
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.2
AQUACULTURE IN BRACKISHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION (continued)
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid										
Philippines	**1.1**	**1.4**	**1.2**	**1.3**	**1.2**	**1.8**	**3.2**	**1.9**	**0.7**	**0.8**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	1.0	1.3	1.2	1.3	1.2	1.8	3.2	1.9	0.7	0.8
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	0.6	0.5	0.5	0.5	0.6
La Union	1.0	1.3	1.2	1.3	1.2	1.3	2.6	1.5	0.2	0.2
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	-	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	-	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.1	0.1	..	..	..	..	0.0	..	..	0.1
Compostela Valley	0.1	0.1	..	..	..	..	0.0	..	..	0.1
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	0.1	0.1	..	..	..	..	..	..	..	..
Agusan del Norte	..	0.1	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	0.1	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.2
AQUACULTURE IN BRACKISHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION (concluded)
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**6.1**	**1.5**	**0.9**	**0.8**	**0.5**	**0.7**	**2.4**	**1.2**	**1.6**	**1.8**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila										
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	2.9	1.3	0.3	0.3	0.2	0.6	2.2	1.1	1.6	1.1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	2.9	1.3	0.3	0.3	0.2	0.6	2.2	1.1	1.6	1.1
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	0.3	0.2	0.2	0.4	0.2	0.1	0.1	0.0	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	0.3	0.2	0.2	0.4	0.2	0.1	0.1	0.0	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	2.8	..	0.4	..	..	..	0.1	-	0.0	0.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	-	0.0	0.0
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	2.8	..	..	..	..	..	..	..	..	..
Samar	..	..	0.4	..	..	..	0.1	..	..	0.1
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.0	0.0	..	..	..	..	0.1	..	0.0	0.1
Compostela Valley	0.0	0.0	..	..	..	..	0.1	..	0.0	0.1
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	-	0.0	0.1	..	..	..	0.0	..	0.4
Agusan del Norte	..	-	0.0	0.1	..	..	..	0.0	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	0.4
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.3
AQUACULTURE IN BRACKISHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**740.6**	**652.9**	**634.9**	**816.9**	**799.4**	**959.2**	**822.7**	**701.9**	**841.8**	**927.5**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	234.3	179.3	130.6	35.3	14.0	26.0	37.9	34.1	42.0	36.0
Ilocos Norte	5.1	2.6	1.0	2.5	1.5	9.9	13.6	13.0	21.7	7.9
Ilocos Sur	3.0	3.1	3.3	3.2	3.4	7.1	7.1	5.8	4.6	6.2
La Union	188.2	173.6	126.3	29.5	9.1	9.0	17.2	15.3	15.7	21.9
Pangasinan	38.0	..	..	..	..	..	..	..	..	..
Cagayan Valley	23.3	26.4	20.3	21.6	21.5	16.8	2.8	2.1	1.7	1.4
Cagayan	23.3	26.4	20.3	21.6	21.5	16.8	2.8	2.1	1.7	1.4
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	6.5	9.0	3.3	1.5	0.9	0.8	0.3	0.4	..	1.9
Bohol	..	..	1.8	..	..	0.8	..	0.4	..	1.5
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	6.5	9.0	1.5	1.5	0.9	..	..	..	..	..
Siquijor	..	..	..	..	..	..	0.3	..	..	0.4
Eastern Visayas	36.1	38.1	44.7	48.0	12.8	15.0	14.2	10.9	0.1	6.2
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	22.1	28.1	32.5	35.3	..	2.1	4.7	3.2	..	5.3
Northern Samar	14.0	10.0	12.3	12.7	12.8	12.9	9.5	7.7	0.1	1.0
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	6.0	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	6.0	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	56.8	56.5	54.5	38.7	38.7	32.2	6.4	20.5	21.9	15.3
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	56.8	56.5	54.5	38.7	38.7	32.2	6.4	20.5	21.9	15.3
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	383.6	343.7	381.6	671.9	711.5	868.3	761.2	633.9	770.1	866.7
Agusan del Norte	364.8	333.5	376.2	665.9	707.1	868.3	761.2	633.9	766.9	840.9
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	18.8	10.2	5.3	6.0	4.4	..	..	..	3.2	25.8
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.3
AQUACULTURE IN BRACKISHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**76.7**	**89.4**	**106.0**	**116.8**	**123.9**	**153.1**	**94.1**	**133.5**	**291.5**	**143.6**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	19.6	19.4	32.5	38.4	48.2	82.4	82.9	117.6	271.7	123.5
Ilocos Norte	15.8	15.0	27.6	27.5	40.4	75.4	76.4	97.8	248.8	103.7
Ilocos Sur	2.5	2.6	2.8	3.9	3.9	3.6	3.0	2.7	2.7	2.9
La Union	1.2	1.8	2.1	7.0	3.9	3.5	3.5	17.1	20.2	17.0
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	57.1	70.0	72.7	78.0	75.7	70.7	11.2	14.2	16.1	15.1
Cagayan	57.1	70.0	72.7	78.0	75.7	70.7	11.2	14.2	16.1	15.1
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	0.0	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	0.0	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	0.4	0.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	0.4	0.1
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	0.8	..	..	..	0.0	0.7	0.5	0.7
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	0.8	..	..	..	0.0	0.7	0.5	0.7
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	0.4	..	..	0.0	1.0	2.8	4.1
Agusan del Norte	..	..	..	..	..	..	0.0	1.0	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	0.4	..	..	..	..	2.8	4.1
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.3
AQUACULTURE IN BRACKISHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper										
Philippines	**34.7**	**9.4**	**10.4**	**14.4**	**11.6**	**6.2**	**5.7**	**4.3**	**5.9**	**7.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	24.8	0.9	1.7	2.7	2.3	0.5	0.6	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	0.7	0.9	1.7	2.7	2.3	0.5	0.6	..	..	..
Pangasinan	24.1	..	..	..	..	..	..	..	..	..
Cagayan Valley	1.5	1.6	1.8	1.9	2.0	2.3	1.4	0.9	0.7	..
Cagayan	1.5	1.6	1.8	1.9	2.0	2.3	1.4	0.9	0.7	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	8.1	6.4	6.3	9.5	7.0	3.4	3.7	3.2	4.4	6.6
Aklan	8.0	6.1	6.0	9.2	7.0	3.3	3.7	3.2	4.2	6.3
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	0.2	0.3	0.3	0.3	..	0.1	0.1	0.0	0.2	0.3
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.2	0.3	0.3	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	0.2	0.3	0.3	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	0.2	0.2	0.2	0.2	0.2	..	0.1	0.1	0.8	0.8
Zamboanga del Norte	0.2	0.2	0.2	0.2	0.2	..	0.1	0.1	0.8	0.8
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	0.1	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.1	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.3
AQUACULTURE IN BRACKISHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid										
Philippines	**42.1**	**39.2**	**65.7**	**71.9**	**42.7**	**51.7**	**54.6**	**83.4**	**106.2**	**110.7**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	38.8	30.0	39.8	46.6	16.7	18.6	25.3	35.3	54.6	56.9
Ilocos Norte	29.1	28.9	38.5	45.2	15.6	17.4	23.4	34.5	53.8	51.0
Ilocos Sur	1.0	1.2	1.3	1.3	1.1	0.7	0.6	0.5	0.6	0.8
La Union	..	..	..	0.0	0.0	0.6	1.3	0.2	0.1	5.1
Pangasinan	8.7	..	..	..	..	..	..	..	..	..
Cagayan Valley	3.3	9.2	25.9	25.2	26.0	33.1	29.1	47.9	51.6	53.7
Cagayan	3.3	9.2	25.9	25.2	26.0	33.1	29.1	47.9	51.6	53.7
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	0.1	0.1	..	..	0.1	0.2	0.1	0.2
Aklan	..	..	0.1	0.1	..	..	0.1	0.2	0.1	0.2
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	0.1	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.1	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.3
AQUACULTURE IN BRACKISHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**19.6**	**13.4**	**10.7**	**11.4**	**2.2**	**1.8**	**1.7**	**4.7**	**3.3**	**4.3**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.8	0.5	0.6	0.7	0.9	1.0	1.5	2.0	1.1	0.9
Ilocos Norte	..	..	..	0.1	0.3	0.6	0.9	1.7	1.0	0.5
Ilocos Sur	0.5	0.5	0.6	0.6	0.6	0.4	0.4	0.2	..	..
La Union	..	..	..	..	..	..	0.3	0.0	0.0	0.4
Pangasinan	0.3	..	..	..	..	..	..	..	..	..
Cagayan Valley	1.6	1.4	0.8	1.0	1.0	0.8	0.1	0.2	0.2	0.1
Cagayan	1.6	1.4	0.8	1.0	1.0	0.8	0.1	0.2	0.2	0.1
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	0.9	0.3	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	0.9	0.3	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	0.7	0.7	0.8	0.7	0.0	0.0	0.0	0.1	0.2	0.2
Aklan	0.7	0.7	0.8	0.7	0.0	0.0	0.0	0.1	0.2	0.2
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	15.4	10.1	7.8	8.6	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	15.4	10.1	7.8	8.6	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	0.3	0.4	0.5	0.4	0.3	..	0.1	0.0	0.2	0.2
Zamboanga del Norte	0.3	0.4	0.5	0.4	0.3	..	0.1	0.0	0.2	0.2
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	0.2	..	..	..	0.0	2.4	1.6	2.8
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	0.2	..	..	..	0.0	2.4	1.6	2.8
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**2.2**	**2.4**	**6.2**	**6.4**	**6.2**	**3.6**	**5.4**	**4.0**	**2.1**	**4.7**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila										
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	2.1	2.1	3.2	3.0	3.0	3.5	2.5	2.6	2.1	2.4
Ilocos Norte	0.1	..	..	..	..	..	..	..	..	..
Ilocos Sur	2.0	2.1	3.2	3.0	3.0	3.5	2.5	2.6	2.1	2.4
La Union	..	..	..	..	0.0	0.1	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	0.1	..	..
Cagayan	..	..	..	..	..	..	..	0.1	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	-	..	0.0	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	-	..	0.0	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	0.0	0.0	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	0.0	0.0	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	0.1	..	0.4
Albay	..	..	..	..	..	..	..	0.1	..	0.4
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	0.1	..	..	..	1.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	0.1	..	..	..	1.0
Central Visayas	..	..	3.0	3.0	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	3.0	3.0	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	0.3	..	0.2	..	..	0.0	0.0	0.0	0.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	0.0	..	..	..
Leyte	..	..	..	0.2	..	..	..	0.0	-	0.0
Northern Samar	..	0.3	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	0.0	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	0.2
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	0.2
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	0.1	0.0	0.5
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.1	0.0	..
Davao del Sur	..	..	..	..	..	..	..	..	..	0.5
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	0.1	0.0	0.0	..
Cotabato	..	..	..	..	..	..	0.1	0.0	0.0	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	0.0	..	..	..
Caraga	0.1	..	0.1	0.2	3.2	..	2.8	0.7	..	0.2
Agusan del Norte	0.1	..	..	..	..	..	..	..	..	-
Agusan del Sur	..	..	..	0.2	3.2	..	2.8	0.7	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	0.1	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	0.2
ARMM	..	..	..	..	..	..	..	0.3	0.0	..
Basilan	..	..	..	..	..	..	..	0.3	0.0	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**138,406.1**	**138,010.2**	**139,105.2**	**142,852.2**	**143,336.1**	**142,339.0**	**140,540.7**	**150,929.8**	**155,432.8**	**157,009.8**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	1,644.6	1,761.8	1,822.1	1,853.3	1,858.3	1,756.1	1,853.9	1,803.1	1,886.5	1,736.0
Abra	451.6	458.3	481.5	468.4	451.1	413.6	399.1	357.5	359.0	351.5
Apayao	170.7	166.7	180.1	206.2	205.4	174.1	170.0	93.3	97.6	87.8
Benguet	71.9	76.0	77.3	78.4	80.5	81.4	47.4	48.2	45.4	40.3
Ifugao	697.6	799.4	829.5	853.2	873.4	893.4	1,059.4	1,170.4	1,258.3	1,073.2
Kalinga	238.6	247.3	239.7	233.2	234.5	182.1	167.1	124.3	117.8	174.1
Mountain Province	14.2	14.2	14.1	14.0	13.5	11.5	10.9	9.5	8.5	9.2
Ilocos Region	8,434.7	9,142.5	8,480.7	8,431.3	7,822.8	7,556.6	7,180.9	9,740.7	11,934.6	13,597.0
Ilocos Norte	216.7	241.6	199.7	207.1	253.9	216.7	290.5	305.5	320.1	251.5
Ilocos Sur	643.8	667.8	706.3	698.2	686.4	515.3	446.3	386.2	358.9	384.9
La Union	47.4	50.5	56.0	61.1	66.6	59.4	69.3	88.4	17.4	310.2
Pangasinan	7,526.8	8,182.5	7,518.7	7,464.8	6,815.9	6,765.2	6,374.9	8,960.6	11,238.2	12,650.3
Cagayan Valley	5,994.7	7,881.0	8,681.2	8,404.4	8,402.7	7,032.0	7,068.0	7,268.5	6,889.3	7,026.1
Cagayan	801.9	974.7	979.2	567.1	542.0	424.8	361.2	419.5	363.8	371.8
Isabela	4,045.1	5,477.0	5,890.8	6,009.9	6,097.7	5,429.6	5,329.8	5,226.6	4,961.6	5,069.5
Nueva Vizcaya	819.6	969.9	1,139.4	1,122.1	1,136.9	728.1	876.9	1,090.0	1,072.9	1,113.6
Quirino	328.1	459.4	671.9	705.2	626.1	449.5	500.1	532.4	491.0	471.3
Central Luzon	114,723.3	111,574.1	110,894.3	115,165.0	117,094.5	117,885.5	117,416.4	122,785.7	125,635.6	124,391.0
Aurora	258.8	224.1	198.0	212.9	230.9	367.4	264.6	233.0	246.3	288.1
Bataan	1,204.8	1,220.8	1,184.3	1,253.7	1,259.5	1,238.0	1,060.6	1,077.8	1,064.9	1,009.6
Bulacan	3,389.2	2,962.8	2,752.6	2,887.4	2,657.3	2,612.6	1,962.5	2,533.4	3,508.4	3,707.6
Nueva Ecija	4,054.4	3,759.6	3,710.1	2,881.3	3,528.0	3,787.3	5,248.0	4,161.6	4,703.1	4,416.9
Pampanga	100,341.3	97,680.6	96,487.0	101,385.4	102,262.2	102,939.2	102,729.4	107,151.9	109,131.1	108,909.9
Tarlac	5,347.5	5,580.4	6,367.1	6,347.4	6,957.7	6,781.1	6,069.4	7,494.1	6,769.2	5,708.0
Zambales	127.3	145.9	195.3	197.0	198.9	160.1	81.9	133.8	212.5	351.0
CALABARZON	1,587.4	1,180.1	1,161.1	921.8	791.2	603.4	470.5	438.9	325.8	420.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	100.9	90.5	163.2	309.9	271.2	65.5	102.0	87.6	136.0	200.5
Laguna	728.3	555.1	528.8	537.3	498.9	467.7	12.9	13.0	12.7	10.1
Quezon	757.5	534.5	469.2	74.6	21.0	70.2	355.5	338.3	177.1	209.8
Rizal	0.7	..	..	..	..	..	..	..	..	..
MIMAROPA	559.0	627.0	675.3	685.4	671.0	292.6	176.0	193.3	187.5	188.3
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	28.1	33.8	46.3	53.8	55.6	57.0	40.0	43.6	62.8	80.0
Oriental Mindoro	524.9	585.8	621.4	625.1	610.8	232.6	134.5	145.8	122.8	106.8
Palawan	4.0	4.5	5.2	4.0	2.8	1.9	1.3	3.5	1.4	1.4
Romblon	2.0	2.9	2.4	2.6	1.8	1.2	0.3	0.4	0.5	0.2
Bicol Region	1,510.5	1,553.0	1,715.1	1,721.3	1,699.8	1,632.8	1,279.9	3,362.7	3,490.4	3,352.2
Albay	61.0	60.8	62.0	67.8	71.0	104.9	131.1	104.1	120.0	152.7
Camarines Norte	272.7	307.9	355.5	406.5	465.3	525.6	375.7	227.2	225.5	218.8
Camarines Sur	1,008.3	978.9	1,079.8	1,053.8	972.0	882.6	758.3	3,023.5	3,136.5	2,971.4
Catanduanes	1.0	1.5	2.0	2.5	3.1	3.5	1.7	..	..	..
Masbate	124.9	157.5	166.4	139.0	134.4	71.0	..	..	..	..
Sorsogon	42.6	46.3	49.4	51.7	53.9	45.3	13.2	7.9	8.4	9.3
Western Visayas	369.5	494.0	819.5	1,032.9	810.4	1,328.7	1,404.2	1,794.6	1,749.2	2,237.2
Aklan	11.6	12.7	11.5	18.6	13.9	18.4	19.8	23.4	15.1	0.2
Antique	34.7	34.2	36.6	37.2	37.9	39.3	38.7	20.1	11.4	12.1
Capiz	49.5	63.7	66.9	69.3	64.6	70.8	60.0	66.3	71.0	73.2
Guimaras	18.4	13.1	9.3	5.4	5.7	4.9	5.6	9.6	7.3	3.0
Iloilo	247.3	360.9	685.9	899.9	686.0	1,194.2	1,278.1	1,675.1	1,642.7	2,143.6
Negros Occidental	8.1	9.4	9.3	2.6	2.3	1.2	1.9	0.2	1.7	5.1
Central Visayas	153.8	157.5	148.1	123.5	119.2	104.1	113.0	166.9	202.4	230.1
Bohol	56.0	67.0	70.5	68.5	55.2	53.3	41.7	37.9	44.7	39.3
Cebu	18.8	20.2	28.5	30.0	42.8	34.7	48.4	99.0	124.0	168.1
Negros Oriental	78.2	69.7	47.5	23.5	18.1	12.8	20.3	26.9	26.6	20.5
Siquijor	0.9	0.6	1.6	1.4	3.2	3.4	2.6	3.1	7.2	2.1
Eastern Visayas	373.3	290.7	213.8	252.1	166.0	220.7	285.3	170.2	477.9	620.2
Biliran	6.4	4.5	0.2	0.0	0.0	0.0	..	..	..	..
Eastern Samar	73.2	70.8	41.3	34.6	10.1	0.1	0.1	0.1	..	..
Leyte	79.4	92.6	132.4	184.4	134.4	200.4	267.3	138.3	424.2	554.1
Northern Samar	5.3	1.2	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	0.0	0.3	0.6	1.2
Southern Leyte	209.0	121.7	39.9	33.1	21.5	20.2	17.8	31.6	53.1	64.9
Zamboanga Peninsula	112.7	104.4	88.7	66.7	64.2	82.0	69.1	66.0	64.4	76.3
Zamboanga del Norte	3.7	10.2	12.3	13.6	14.9	17.0	17.9	17.3	14.5	14.7
Zamboanga del Sur	104.0	91.7	75.6	52.6	49.1	61.6	49.9	46.6	47.5	58.2
Zamboanga Sibugay	5.0	2.5	0.8	0.6	0.2	3.4	1.3	2.1	2.5	3.4
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	1,001.8	801.6	994.6	893.2	852.2	970.0	692.1	655.2	683.9	747.8
Bukidnon	511.8	426.1	570.0	419.3	480.4	609.9	345.6	313.6	361.9	408.8
Camiguin	2.8	4.8	3.3	2.7	3.9	5.6	6.2	4.4	6.2	13.9
Lanao del Norte	405.3	286.0	340.7	389.6	325.7	333.7	319.8	318.4	296.8	309.5
Misamis Occidental	67.1	69.9	73.9	74.8	39.6	19.0	19.6	17.8	18.0	15.1
Misamis Oriental	14.7	14.8	6.7	6.9	2.6	1.8	0.9	1.0	1.1	0.4
Davao Region	1,138.3	1,599.6	2,530.2	2,459.8	2,183.8	2,270.4	2,009.5	1,867.7	1,311.4	1,720.7
Compostela Valley	125.1	131.8	138.0	110.4	86.8	114.6	171.5	176.5	153.4	147.2
Davao del Norte	301.9	202.6	232.5	140.2	140.3	94.2	253.1	360.1	174.0	115.8
Davao del Sur	585.4	1,151.8	2,044.2	2,104.5	1,856.2	1,963.6	1,520.4	1,274.5	956.8	1,176.6
Davao Occidental	.	.	.	.	.	.	.	.	.	252.8
Davao Oriental	20.7	17.3	18.4	14.1	9.8	7.0	4.2	4.6	4.2	4.6
City of Davao	105.2	96.1	97.1	90.6	90.6	91.1	60.2	52.1	23.0	23.6
SOCCSKSARGEN	544.9	624.7	663.0	626.0	597.0	465.2	377.4	455.4	412.7	478.0
Cotabato	271.3	299.2	325.6	326.0	315.1	260.3	215.0	258.4	249.1	247.6
Sarangani	5.6	7.3	9.8	9.7	10.3	5.4	3.8	10.0	5.7	2.9
Sultan Kudarat	106.6	116.0	116.6	112.4	115.4	80.6	50.6	35.5	30.0	83.4
South Cotabato	161.5	202.3	211.0	178.0	156.2	118.9	107.9	151.5	127.8	144.1
Caraga	172.0	134.0	132.8	142.2	138.6	74.0	82.7	92.6	102.5	99.0
Agusan del Norte	1.0	0.7	1.1	1.0	1.4	0.8	0.1	0.2	0.0	..
Agusan del Sur	59.4	48.7	80.4	86.8	80.6	33.8	27.1	28.0	28.0	20.6
Dinagat Islands	..	..	..	..	..	..	0.4	0.5	1.6	1.1
Surigao del Norte	6.2	5.8	5.2	4.6	18.0	15.1	26.0	32.7	32.7	34.4
Surigao del Sur	105.4	78.7	46.2	49.8	38.6	24.3	29.1	31.3	40.2	42.9
ARMM	85.5	84.4	84.8	73.3	64.6	64.9	61.9	68.4	78.9	89.5
Basilan	0.3	0.3	0.3	0.3	0.3	0.2	..	..	1.8	1.7
Lanao del Sur	30.1	29.6	29.7	17.6	9.5	7.5	2.4	2.5	2.9	3.5
Maguindanao	55.1	54.5	54.8	55.4	54.8	57.2	59.5	65.9	74.2	84.4
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carp										
Philippines	**446.6**	**385.4**	**367.6**	**376.3**	**388.8**	**354.6**	**353.0**	**226.9**	**238.3**	**224.9**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	0.3	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	0.3	0.2	0.2	0.2	0.1	..	..	..	..	..
Mountain Province	..	..	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2
Ilocos Region	28.8	29.9	30.5	16.2	17.6	15.9	7.3	10.1	10.8	9.3
Ilocos Norte	..	..	..	-	0.0	0.0	0.0	0.0	0.0	0.0
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	28.8	29.9	30.5	16.2	17.6	15.9	7.2	10.1	10.8	9.2
Cagayan Valley	10.9	11.1	11.4	11.6	13.7	9.5	12.4	14.6	12.9	11.4
Cagayan	2.8	3.1	2.5	2.8	2.0	1.8	0.9	0.7	0.6	0.6
Isabela	5.9	6.3	6.9	6.3	9.8	6.3	8.0	8.2	7.0	5.6
Nueva Vizcaya	1.2	1.5	2.0	2.3	1.9	1.5	3.5	5.6	5.2	5.1
Quirino	1.0	0.2	-	0.2	..	..	0.0	0.1	0.1	0.1
Central Luzon	181.0	198.6	224.5	239.0	245.8	247.9	240.1	103.3	111.1	115.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.1	0.2	..	..
Nueva Ecija	4.7	6.0	1.4	0.0	0.0	..	..	..	..	..
Pampanga	77.9	74.3	76.6	80.4	84.3	86.2	91.3	96.9	105.5	109.9
Tarlac	98.4	118.3	146.6	158.6	161.4	161.7	148.7	6.1	5.6	6.0
Zambales	..	..	..	..	..	..	..	..	..	0.0
CALABARZON	37.7	31.7	3.1	0.2	0.0	0.1	0.2	0.1	0.2	0.5
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	37.7	31.7	3.1	0.2	0.0	0.1	0.2	0.1	0.2	0.5
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	-	0.0	0.0	-	-	-	0.4	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	0.4	..
Oriental Mindoro	..	..	-	0.0	0.0	-	-	-	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	1.9	0.6	1.1	0.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	1.9	0.6	1.0	..
Camarines Sur	..	..	..	..	..	..	0.0	..	0.1	0.1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	..	..	..	..	..	..	..	..	..	0.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	0.0
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.0	0.0	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.3
Bohol	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	0.1	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	0.4	0.6	0.7	1.6
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	0.3	0.1	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	0.1	0.5	0.7	1.6
Southern Leyte	..	..	..	..	..	..	..	0.0	..	..
Zamboanga Peninsula	..	..	1.6	1.5	1.5	..	-	0.0	0.0	0.1
Zamboanga del Norte	..	..	1.6	1.5	1.5	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	0.1
Zamboanga Sibugay	..	..	..	..	..	..	-	0.0	0.0	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	173.0	92.4	80.8	94.0	92.5	77.2	88.1	92.9	82.5	81.8
Bukidnon	..	0.3	1.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	172.9	92.0	79.3	92.5	91.6	76.5	87.4	92.2	82.0	81.6
Misamis Occidental	0.1	0.1	0.4	1.5	0.9	0.6	0.6	0.6	0.5	0.3
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	5.4	14.9	11.7	11.3	14.0	1.7	0.5	0.8	11.9	2.7
Compostela Valley	2.7	1.1	1.4	1.1	0.4	0.0	0.0	0.2	0.2	0.1
Davao del Norte	2.7	2.5	2.7	1.4	3.7	1.5	0.4	0.2	11.2	2.4
Davao del Sur	..	11.4	7.6	8.8	9.9	0.2	0.1	-	..	0.0
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	0.1	0.0	..
City of Davao	..	..	..	..	..	..	..	0.4	0.4	0.1
SOCCSKSARGEN	0.2	1.3	2.4	1.1	0.6	1.3	1.4	3.3	6.5	1.0
Cotabato	..	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	0.2	1.0	1.9	1.0	0.6	1.3	1.3	3.3	6.3	0.9
South Cotabato	..	0.2	0.4	0.0	..	..	0.0	..	0.1	0.0
Caraga	9.4	5.4	1.3	1.0	2.8	0.6	0.6	0.4	0.1	0.1
Agusan del Norte	0.1	0.1	0.2	0.0	0.0	0.0	..	0.0	..	..
Agusan del Sur	2.2	1.7	1.0	0.8	2.6	0.3	..	0.1	0.0	0.0
Dinagat Islands	..	..	..	..	..	..	..	..	..	0.1
Surigao del Norte	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1	..	..
Surigao del Sur	6.9	3.4	..	..	..	0.2	0.3	0.2	0.1	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish										
Philippines	**2,960.0**	**3,117.9**	**3,595.4**	**3,754.0**	**3,625.5**	**3,615.4**	**3,724.0**	**4,136.6**	**4,392.5**	**4,870.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	0.0	..	2.2	0.9	0.9	0.6	0.0	0.1	0.2	0.1
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	0.0	..	1.8	..	..	..	0.0	..	0.1	0.1
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	0.3	0.9	0.9	0.6	..	0.1	0.1	..
Mountain Province	..	..	0.1	0.0	0.0	..	..	..	..	0.1
Ilocos Region	15.3	5.1	5.4	15.2	14.7	12.6	0.5	0.9	0.8	3.6
Ilocos Norte	..	-	-	0.0	0.0	0.1	0.1	0.4	0.3	1.6
Ilocos Sur	..	..	..	..	..	0.0	0.0	0.2	0.1	0.1
La Union	1.2	1.1	1.2	1.2	1.2	1.0	0.3	0.2	0.2	1.7
Pangasinan	14.1	4.0	4.2	14.0	13.5	11.5	0.0	0.2	0.2	0.1
Cagayan Valley	46.7	43.8	171.7	194.1	152.3	137.1	110.7	126.2	135.7	175.4
Cagayan	7.3	8.2	8.9	8.1	7.0	5.7	4.7	4.9	4.0	4.3
Isabela	36.5	33.1	160.3	183.9	143.6	128.4	102.3	118.4	129.0	164.6
Nueva Vizcaya	1.1	1.3	1.8	2.1	1.8	3.0	3.8	2.8	2.7	6.4
Quirino	1.8	1.1	0.7	0.1	..	0.0	0.0	0.1	0.1	0.1
Central Luzon	1,057.8	1,011.4	1,159.1	1,396.7	1,478.6	1,357.3	1,307.7	1,534.4	1,869.8	2,364.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	0.2	0.6	0.3	0.2
Bulacan	286.9	255.6	292.5	331.3	326.0	268.2	362.8	344.3	329.0	460.6
Nueva Ecija	355.2	348.5	373.5	559.2	624.7	647.4	466.4	522.8	760.1	752.6
Pampanga	356.5	336.3	358.5	377.3	392.1	397.3	420.5	449.7	492.8	630.3
Tarlac	26.0	24.4	99.6	103.4	113.0	21.3	19.0	55.9	101.1	83.8
Zambales	33.3	46.6	35.1	25.5	22.8	23.2	38.9	161.0	186.4	437.1
CALABARZON	125.6	129.5	124.0	129.3	193.9	213.3	226.7	280.0	242.0	267.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	125.6	129.5	124.0	129.2	193.9	213.3	226.0	279.9	242.0	267.3
Quezon	..	0.1	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	0.1	0.0
Oriental Mindoro	..	..	0.0	0.0	0.0	0.0	-	-	0.0	0.0
Palawan	..	..	..	..	..	..	0.1	0.1	0.1	0.1
Romblon	..	..	..	..	..	..	..	..	-	0.0
Bicol Region	114.0	102.1	120.0	113.1	103.8	94.4	75.5	54.9	48.5	40.8
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	1.3	0.0	-	-
Camarines Sur	114.0	102.1	120.0	113.1	103.8	94.4	74.1	54.9	48.5	40.8
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	684.7	1,006.6	1,130.5	1,000.6	709.8	822.8	963.3	1,008.5	680.6	577.9
Aklan	2.4	2.4	3.2	7.7	6.9	5.3	6.7	8.1	14.2	29.9
Antique	5.6	4.7	5.2	5.5	4.7	4.2	2.6	0.7	0.9	1.2
Capiz	20.5	23.1	24.1	23.7	22.4	24.1	21.8	26.2	33.6	36.2
Guimaras	6.9	4.4	3.0	1.4	2.2	1.8	2.6	5.4	4.6	1.9
Iloilo	622.2	941.9	1,050.5	904.1	610.9	724.0	716.5	944.9	586.4	484.3
Negros Occidental	27.0	30.1	44.5	58.4	62.8	63.6	213.1	23.1	40.9	24.4
Central Visayas	8.6	5.7	0.1	0.2	..	0.0	0.2	0.6	0.1	0.1
Bohol	8.6	5.7	0.1	0.2	..	0.0	0.2	0.1	0.1	0.0
Cebu	..	..	..	..	..	..	..	..	..	0.0
Negros Oriental	..	..	..	..	..	..	..	0.5	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	2.9	5.2	5.4	4.4	..	0.5	0.5	0.6	1.0	1.6
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	2.9	5.2	5.4	4.4	..	0.5	0.5	0.5	0.9	1.5
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	0.1	..	..
Southern Leyte	..	..	..	..	..	0.0	0.0	..	0.1	0.1
Zamboanga Peninsula	2.8	5.9	7.9	6.1	6.9	0.1	..	0.1	0.0	0.2
Zamboanga del Norte	2.8	5.9	7.9	6.1	6.9	..	..	..	0.0	-
Zamboanga del Sur	..	..	..	..	..	..	..	0.1	0.0	0.2
Zamboanga Sibugay	..	-	0.0	0.0	0.0	0.1	..	0.0	0.0	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	1.3	1.6	5.6	18.4	4.9	9.1	4.0	20.0	17.7	23.6
Bukidnon	1.2	1.5	5.4	18.2	4.8	9.0	3.4	19.4	17.3	23.4
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.5	0.4	0.3
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	563.0	435.4	448.9	413.3	487.7	516.5	621.9	638.9	861.1	848.6
Compostela Valley	256.8	121.7	76.1	17.6	40.4	19.6	17.0	27.7	33.0	26.2
Davao del Norte	15.2	9.8	16.4	12.1	17.0	9.1	9.3	16.4	26.6	94.3
Davao del Sur	..	7.3	7.5	13.7	27.9	23.2	34.8	39.1	136.0	86.2
Davao Occidental	.	.	.	.	.	.	.	.	.	0.0
Davao Oriental	4.0	1.4	0.4	0.2	..	-	0.0	0.0	0.1	0.0
City of Davao	286.9	295.3	348.4	369.8	402.4	464.7	560.9	555.8	665.6	641.8
SOCCSKSARGEN	204.4	232.3	280.8	327.0	335.8	313.7	274.7	321.9	365.9	387.5
Cotabato	80.9	107.3	131.6	133.6	138.4	147.8	126.5	150.1	199.4	203.7
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	12.1	4.9	5.8	39.2	45.9	45.7	30.7	39.2	40.2	38.0
South Cotabato	111.4	120.1	143.4	154.3	151.6	120.3	117.6	132.6	126.3	145.7
Caraga	1.2	0.2	0.3	0.1	0.1	0.0	..	0.7	0.0	0.0
Agusan del Norte	0.3	-	..	..	..	..	..	0.0	..	..
Agusan del Sur	0.5	0.2	0.3	0.1	0.1	0.0	..	0.0	0.0	0.0
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	0.4	..	..	..	..	..	..	0.7	..	..
ARMM	131.9	133.2	133.4	134.6	136.0	137.2	138.3	149.0	168.9	178.7
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	131.9	133.2	133.4	134.6	136.0	137.2	138.3	149.0	168.9	178.7
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Gourami										
Philippines	**175.0**	**166.9**	**183.5**	**114.7**	**125.5**	**143.1**	**110.1**	**180.6**	**93.3**	**86.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	4.3	1.3	1.5	4.3	4.5	4.1	0.8	1.2	1.4	1.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	0.0	0.0	..	..
La Union	..	..	..	..	..	..	..	..	..	0.0
Pangasinan	4.3	1.3	1.5	4.3	4.5	4.1	0.8	1.2	1.4	1.3
Cagayan Valley	1.2	1.3	0.7	0.8	0.0	0.0	0.0	0.1	0.0	0.1
Cagayan	1.2	1.3	0.7	0.8	0.0	0.0	0.0	0.1	0.0	0.1
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	166.3	160.4	177.8	107.0	118.5	137.1	106.8	178.5	89.3	83.4
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	0.0	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	60.0	40.0	75.0	..	..	..	..	..	..	..
Pampanga	59.4	61.9	67.2	70.9	67.9	63.9	65.4	72.9	77.0	82.9
Tarlac	46.9	58.5	35.6	36.1	50.6	73.2	41.3	105.6	12.3	0.5
Zambales	..	..	0.0	..	..	..	..	..	..	0.0
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	0.2	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	0.2	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	-	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	-	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	0.1	0.1	0.1	0.1	0.1	0.0	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	0.1	0.1	0.1	0.1	0.1	0.0	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	1.7	2.1	2.2	1.9	1.9	1.4	2.3	0.8	2.3	1.2
Compostela Valley	..	..	..	..	..	..	..	0.1	0.0	..
Davao del Norte	1.7	2.1	2.2	1.9	1.9	1.4	2.3	0.6	2.2	1.2
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.5	1.7	1.2	0.6	0.6	0.3	0.2	0.2	0.3	0.2
Cotabato	..	0.4	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.0
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	1.5	1.3	0.6	0.2	0.3	0.1	0.0	0.0	0.1	0.0
South Cotabato	..	..	..	..	..	..	0.0	0.1	0.1	0.1
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudfish										
Philippines	**817.1**	**875.6**	**915.4**	**902.3**	**1,157.2**	**1,026.1**	**859.6**	**935.1**	**1,178.3**	**764.9**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	0.2	..	..	..	..	0.1	0.0	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	0.1	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	0.1	..	..	..	..	0.1	0.0	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	48.6	56.8	54.2	41.1	32.8	44.9	36.4	39.9	76.6	37.4
Ilocos Norte	..	..	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ilocos Sur	..	..	..	..	..	0.2	0.2	0.3	0.3	0.4
La Union	4.1	4.1	3.9	3.6	4.9	15.5	6.5	0.1	0.1	0.1
Pangasinan	44.6	52.7	50.2	37.5	27.9	29.1	29.6	39.5	76.2	36.8
Cagayan Valley	26.6	33.3	39.8	39.0	30.6	21.4	18.4	18.4	17.5	20.2
Cagayan	10.6	11.8	14.7	13.5	9.9	8.3	5.8	5.6	3.5	3.7
Isabela	13.6	17.3	22.3	22.7	18.1	11.4	8.6	10.0	10.9	13.2
Nueva Vizcaya	1.7	2.0	2.6	2.8	2.6	1.7	4.0	2.8	3.2	3.3
Quirino	0.8	2.3	0.1	0.0	-	0.0	0.0	0.0	0.0	0.0
Central Luzon	509.7	567.9	623.8	631.1	879.2	756.8	604.2	733.0	928.6	529.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	0.1	0.4	0.3	0.3
Bulacan	..	..	..	..	..	..	0.1	0.3	0.0	0.0
Nueva Ecija	105.1	109.2	96.6	69.6	79.5	65.1	0.2	0.1	..	..
Pampanga	247.4	259.4	275.4	291.9	305.6	322.2	350.8	365.2	375.2	403.4
Tarlac	112.2	170.1	233.5	249.4	471.1	344.5	213.7	317.3	511.5	49.2
Zambales	45.0	29.2	18.3	20.2	23.0	25.0	39.3	49.7	41.6	76.7
CALABARZON	4.0	0.2	0.3	1.3	0.1	0.1	0.3	0.1	0.0	0.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	4.0	0.2	0.3	1.3	0.1	0.1	0.3	0.1	0.0	0.2
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	0.1	0.2	0.2	0.1	0.0	0.1	0.1	0.1
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	0.0	0.0
Oriental Mindoro	..	..	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0
Palawan	..	..	..	..	..	..	0.0	0.0	0.1	0.0
Romblon	..	..	..	..	..	..	..	0.0	..	0.0
Bicol Region	..	..	..	..	..	..	2.1	0.1	0.2	0.1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	2.1	..	0.0	-
Camarines Sur	..	..	..	..	..	..	..	0.1	0.1	0.1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	0.1
Negros Occidental	..	..	..	..	..	..	..	0.0	0.0	..
Central Visayas	0.2	0.3	0.4	0.7	0.4	0.2	0.1	0.8	0.3	0.5
Bohol	0.2	0.3	0.4	0.7	0.4	0.2	0.1	0.8	0.3	0.5
Cebu	..	..	..	..	..	..	..	..	..	0.0
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	0.4	0.1	0.1	0.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	0.4	..	0.0	0.0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	0.1	..	-
Southern Leyte	..	..	..	..	..	..	..	..	0.1	0.1
Zamboanga Peninsula	59.2	49.8	43.0	45.7	42.5	35.8	29.9	26.0	28.2	19.1
Zamboanga del Norte	..	..	..	..	..	..	0.1	..	-	..
Zamboanga del Sur	59.2	49.8	43.0	45.7	42.5	35.8	29.8	26.0	28.2	19.1
Zamboanga Sibugay	..	0.0	0.0	0.0	0.0	0.0	..	0.0	0.0	0.0
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	64.7	55.4	61.4	47.4	58.0	64.1	61.1	49.1	49.6	87.0
Bukidnon	26.7	26.7	36.8	19.3	22.7	34.8	39.3	26.9	26.0	65.0
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	32.2	26.7	22.5	26.1	33.3	28.6	21.1	21.7	23.2	21.8
Misamis Occidental	5.8	2.0	2.1	2.0	2.0	0.7	0.7	0.6	0.4	0.2
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	38.1	61.6	40.1	31.7	47.3	42.6	52.4	21.9	38.3	17.3
Compostela Valley	2.1	2.2	2.1	4.7	4.5	7.6	5.8	6.0	4.0	6.3
Davao del Norte	35.3	28.3	29.8	15.5	23.7	16.0	27.6	15.9	34.2	10.7
Davao del Sur	-	30.5	8.0	11.5	19.0	19.0	19.0	0.0	0.1	0.3
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	0.7	0.5	0.2	0.0	..	-	0.0	0.0	0.0	-
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	62.7	48.2	51.2	62.3	64.6	59.8	54.1	45.4	38.7	52.7
Cotabato	44.9	31.3	27.5	43.2	43.6	39.2	42.8	34.6	26.6	24.6
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	17.3	16.2	22.7	17.9	19.1	18.5	9.4	5.7	5.4	19.8
South Cotabato	0.5	0.7	1.0	1.2	1.9	2.1	1.9	5.1	6.8	8.3
Caraga	3.1	2.0	1.0	1.6	1.6	0.3	0.2	0.1	0.1	0.1
Agusan del Norte	0.0	0.0	0.0	0.0	0.0	0.0	..	0.0	..	..
Agusan del Sur	1.5	0.8	1.0	1.6	1.6	0.3	0.1	0.1	0.1	0.1
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	0.0	0.1	..	..
Surigao del Sur	1.6	1.1	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Freshwater prawn										
Philippines	**2.8**	**2.9**	**4.5**	**5.8**	**3.4**	**2.5**	**1.6**	**1.4**	**1.0**	**1.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	0.0	0.0	0.0	0.0	..	0.0	0.0	0.0	0.0
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	0.0	0.0	0.0	0.0	..	0.0	0.0	0.0	0.0
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	0.2	0.6	4.1	3.9	1.8	1.4	1.0	1.0	0.6	0.3
Cagayan	0.2	0.2	0.3	0.4	0.0	..	..	..	..	..
Isabela	..	..	3.8	3.1	1.8	1.4	1.0	0.8	0.6	0.2
Nueva Vizcaya	0.0	..	..	..	..	..	..	..	..	..
Quirino	..	0.3	0.0	0.3	..	0.0	..	0.3	..	0.1
Central Luzon	..	0.1	..	..	..	..	0.2	..	..	0.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	0.2	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	0.1
Zambales	..	0.1	..	..	..	..	..	..	..	..
CALABARZON	0.6	0.2	0.1	1.5	1.4	0.9	0.0	0.0	..	0.1
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	0.6	0.2	..	1.4	1.4	0.7	..	..	..	..
Quezon	..	..	0.1	0.1	0.0	0.2	0.0	0.0	..	0.1
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	1.0	1.1	..	..	..	..	..	0.0	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	1.0	1.1	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	0.0	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	0.0	..	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	0.0	..	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	1.1	0.9	..	0.2	..	..	..	..	0.0	0.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	1.1	0.9	..	0.2	..	..	..	..	0.0	0.0
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	0.2	0.0	0.0	0.5
Bukidnon	..	..	..	..	..	..	0.0	..	..	..
Camiguin	..	..	..	..	..	..	0.0	..	..	0.0
Lanao del Norte	..	..	..	..	..	..	0.2	0.0	0.0	0.4
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	0.0	..	0.0	0.0
Compostela Valley	..	..	..	..	..	..	0.0	..	0.0	..
Davao del Norte	..	..	..	..	..	..	..	..	..	0.0
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	0.0	0.2	0.1
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	0.0	0.2	0.1
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.4
AQUACULTURE IN FRESHWATER FISHPOND: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**102.9**	**83.8**	**83.4**	**120.0**	**97.9**	**85.1**	**61.0**	**50.9**	**181.4**	**231.9**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	1.7	3.2	1.5	1.4	0.9	..	..	0.1	..	..
Abra	..	0.7	1.0	1.1	0.9	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	1.7	1.4	0.4	0.3	..	..	..	0.1	..	..
Mountain Province	..	1.2	0.1	0.0	..	..	..	0.0	..	..
Ilocos Region	0.9	..	0.2	0.3	0.6	0.2	0.3	1.2	1.0	0.9
Ilocos Norte	..	..	..	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	0.2	0.3	0.3	0.0	..	0.1	..	..
Pangasinan	0.9	..	..	..	0.2	0.2	0.3	1.1	0.9	0.9
Cagayan Valley	25.3	14.3	26.1	26.1	15.5	8.0	5.1	6.5	6.3	5.1
Cagayan	9.0	11.6	12.2	12.2	6.4	4.0	2.6	2.9	2.4	2.6
Isabela	14.8	2.4	13.8	13.3	9.1	3.5	1.8	1.6	2.4	1.1
Nueva Vizcaya	1.5	..	..	..	..	0.3	0.6	1.8	1.3	1.2
Quirino	..	0.4	0.2	0.6	0.1	0.1	0.2	0.1	0.1	0.1
Central Luzon	20.7	18.0	19.9	35.8	32.8	33.8	11.4	3.7	119.3	185.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	0.1	..	0.0
Bulacan	..	..	..	..	..	..	6.5	3.0	4.1	3.0
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	17.5	17.8	18.5	19.4	19.2	18.1	4.5	..	112.1	182.4
Tarlac	3.1	..	0.0	15.1	12.5	14.9	0.2	0.0	2.5	0.0
Zambales	0.2	0.2	1.3	1.4	1.1	0.7	0.2	0.7	0.6	0.5
CALABARZON	0.6	2.6	2.7	2.8	3.8	3.5	3.5	0.5	0.6	0.6
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	0.6	2.6	2.7	2.8	3.8	3.5	3.5	0.5	0.6	0.6
Quezon	..	..	..	..	..	..	..	..	0.0	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	0.0
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	0.0
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	16.0	38.0	36.2	34.7	32.0	30.8	30.6	30.9
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	0.0
Camarines Sur	..	..	16.0	38.0	36.2	34.7	32.0	30.8	30.6	30.9
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	5.4	10.7	5.0	1.8	1.6	1.5	1.1	1.0	17.5	1.3
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	1.7	2.0	2.1	1.8	1.6	1.5	1.1	1.0	0.9	1.3
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	2.9	0.1	..	..	..	..	16.6	0.0
Negros Occidental	3.7	8.7	..	..	..	..	0.0	..	..	..
Central Visayas	..	..	0.0	0.7	0.7	..	..	..	..	..
Bohol	..	..	0.0	0.7	0.7	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	8.0	..	..	..	..	..	0.2	0.0	0.1	0.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	8.0	..	..	..	..	..	0.2	0.0	0.0	0.0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	0.0	0.0	0.0	..
Zamboanga Peninsula	6.0	..	0.0	..	..	..	..	..	..	0.2
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	0.2
Zamboanga Sibugay	..	..	0.0	..	..	..	..	..	..	0.0
City of Zamboanga	6.0	..	..	..	..	..	..	..	..	..
Nothern Mindanao	0.0	0.0	0.1	0.0	..	0.0	0.0	0.0	0.0	0.0
Bukidnon	0.0	0.0	..	0.0	..	0.0	0.0	0.0	0.0	0.0
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	0.1	..	..	..	..	..	..	..
Davao Region	0.5	4.2	2.0	5.6	1.0	0.2	0.1	0.5	0.8	0.9
Compostela Valley	0.3	3.7	1.5	5.5	1.0	0.1	0.1	0.1	0.2	0.3
Davao del Norte	0.2	0.4	0.6	0.1	..	0.1	0.0	0.3	0.6	0.5
Davao del Sur	..	0.0	0.0	..	..	0.0	..	0.0	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	0.1	..	..	..	0.0	0.0	0.1	0.1	0.0
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	31.4	27.3	9.4	7.5	4.9	3.2	7.3	6.4	1.0	0.6
Cotabato	..	0.7	1.6	3.3	3.2	1.9	1.7	1.2	0.7	0.4
Sarangani	..	..	..	..	..	..	5.0	4.6	..	..
Sultan Kudarat	4.6	5.8	4.0	2.3	0.7	0.5	0.5	0.4	0.2	0.1
South Cotabato	26.8	20.9	3.8	1.9	1.0	0.8	0.1	0.2	0.2	0.2
Caraga	2.3	3.4	0.5	0.0	0.0	0.0	0.1	0.3	4.1	5.5
Agusan del Norte	2.3	3.0	0.3	0.0	0.0	0.0	..	..	..	..
Agusan del Sur	..	0.4	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	0.2	..	..	..	0.0	..	..	..
Surigao del Sur	..	..	..	..	..	0.0	0.1	0.3	4.1	5.5
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.5
AQUACULTURE IN FRESHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**26,434.7**	**28,084.6**	**27,762.1**	**27,216.4**	**26,492.2**	**24,709.2**	**23,935.0**	**32,026.8**	**30,694.4**	**25,346.3**
NCR	1,054.0	1,176.2	1,155.0	1,211.6	1,174.3	1,164.4	1,992.7	11,025.8	17,813.3	9,768.4
Metro Manila	1,054.0	1,176.2	1,155.0	1,211.6	1,174.3	1,164.4	1,992.7	11,025.8	17,813.3	9,768.4
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	1.1	0.7	0.7	0.0
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	1.1	0.7	0.7	0.0
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	18,538.9	19,852.3	20,267.4	20,666.9	19,958.5	20,196.9	19,978.6	19,468.0	11,200.6	13,853.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	205.0	210.2	205.8	212.7	138.9	108.2	83.9	58.7	10.7	30.9
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	18,334.0	19,642.1	20,061.6	20,454.2	19,819.6	20,088.7	19,894.7	19,409.2	11,189.9	13,822.3
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	1.5	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	1.5	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	5,544.2	5,770.9	5,073.3	4,064.4	4,073.9	2,040.4	638.0	99.5	18.4	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	5,544.2	5,770.9	5,073.3	4,064.4	4,073.9	2,040.4	638.0	99.5	18.4	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	1,297.6	1,285.2	1,266.4	1,273.6	1,285.5	1,307.6	1,324.6	1,431.4	1,661.4	1,724.7
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	1,297.6	1,285.2	1,266.4	1,273.6	1,285.5	1,307.6	1,324.6	1,431.4	1,661.4	1,724.7
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.5
AQUACULTURE IN FRESHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**21,533.4**	**22,268.2**	**21,379.5**	**21,904.8**	**21,358.6**	**21,460.3**	**17,604.1**	**17,753.4**	**17,247.1**	**18,456.8**
NCR	..	..	..	..	..	..	4.4	10.8	16.9	6.9
Metro Manila	..	..	..	..	..	..	4.4	10.8	16.9	6.9
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.2	0.1	0.1	0.1	0.1	0.9	1.9	1.9	1.2	0.9
Ilocos Norte	0.2	0.1	0.1	0.1	0.1	0.4	0.6	0.8	0.6	0.6
Ilocos Sur	..	..	..	..	..	0.5	0.6	0.4	0.2	0.2
La Union	..	..	..	..	..	..	0.7	0.7	0.3	0.0
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	11,652.8	12,283.9	12,495.0	12,809.7	12,348.5	12,414.7	9,793.2	9,735.1	5,966.1	6,960.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	512.2	514.9	496.9	510.5	464.3	368.5	105.5	39.1	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	11,140.7	11,769.0	11,998.1	12,299.3	11,884.2	12,046.3	9,687.8	9,695.9	5,966.1	6,960.3
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	0.8	0.3	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	0.8	0.3	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.1	..	1.0	0.2	0.1	0.1	..	..	..	..
Bohol	..	..	1.0	0.2	0.1	0.1	..	..	..	..
Cebu	0.1	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	8.2	11.4	13.4	7.1	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	8.2	11.4	13.4	7.1	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	1.4	1.6	1.5	1.4	1.2	1.1	1.4	1.5	1.5	1.3
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	1.4	1.6	1.5	1.4	1.2	1.1	1.4	1.5	1.5	1.3
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	47.5	16.5	19.4	3.8	0.1	0.8	0.4	3.3	7.7	0.9
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	47.5	16.5	19.4	3.8	0.1	0.8	0.4	3.3	7.7	0.9
Davao del Sur	0.0	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	6,041.1	6,197.2	5,002.1	4,047.1	3,940.9	3,353.0	2,036.3	2,033.3	2,507.5	2,551.9
Cotabato	..	..	..	..	..	..	..	..	0.1	0.0
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	6,041.1	6,197.2	5,002.1	4,047.1	3,940.9	3,353.0	2,036.3	2,033.3	2,507.4	2,551.9
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	3.5	1.2	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	1.2	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	3.5	..	..	..	..	..	..
ARMM	3,781.4	3,757.3	3,847.0	5,032.0	5,066.7	5,689.7	5,766.6	5,967.4	8,746.2	8,934.7
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	16.7	16.8	16.2	13.1	..	2.2	2.6	2.5	2.8	3.2
Maguindanao	3,764.7	3,740.5	3,830.8	5,019.0	5,066.7	5,687.5	5,764.0	5,964.9	8,743.4	8,931.5
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.5
AQUACULTURE IN FRESHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carp										
Philippines	**14,548.1**	**15,181.7**	**15,550.4**	**16,051.9**	**14,788.7**	**14,659.7**	**15,071.1**	**13,018.1**	**9,700.9**	**10,774.6**
NCR	..	..	..	..	..	..	1.0	..	..	..
Metro Manila	..	..	..	..	..	..	1.0	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	14,548.1	15,181.7	15,550.4	16,051.9	14,788.7	14,659.7	15,070.1	13,018.1	9,699.1	10,773.8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	114.6	115.0	112.5	115.3	101.8	99.0	90.5	27.1	7.8	7.8
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	14,433.6	15,066.7	15,438.0	15,936.6	14,686.9	14,560.7	14,979.6	12,991.0	9,691.3	10,766.0
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	0.0	-	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	0.0	-	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	1.8	0.8
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	1.8	0.8
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.5
AQUACULTURE IN FRESHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish										
Philippines	**0.0**	**..**	**..**	**0.1**	**..**	**0.4**	**0.2**	**6.8**	**1.0**	**0.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.0	..	..	0.1	..	..	..	0.1	1.0	0.2
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	0.0	..	..	0.1	..	..	..	0.1	1.0	0.2
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	6.6	..	..
Cotabato	..	..	..	..	..	..	..	6.6	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	0.4	0.2	0.1	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	0.4	0.2	0.1	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.5
AQUACULTURE IN FRESHWATER FISH PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**..**	**3.2**	**3.7**	**3.4**	**3.9**	**3.7**	**0.4**	**0.4**	**0.7**	**0.5**
NCR	..	..	..	..	..	..	0.3	0.0	0.1	0.3
Metro Manila	..	..	..	..	..	..	0.3	0.0	0.1	0.3
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	0.1	0.1	0.0	0.1
Ilocos Norte	..	..	..	..	..	..	..	..	0.0	0.1
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	0.1	0.1	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	3.2	3.4	3.4	3.9	3.7	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	3.2	3.4	3.4	3.9	3.7	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	0.3	..	..	..	..	0.3	0.6	0.0
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	0.3	..	..	..	..	0.3	0.6	0.0
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.6
AQUACULTURE IN FRESHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**16,351.4**	**14,165.3**	**13,755.9**	**14,957.7**	**10,395.8**	**14,075.3**	**12,948.4**	**13,874.1**	**16,511.1**	**15,962.7**
NCR	..	..	..	..	..	5.6	..	..	3.3	4.5
Metro Manila	..	..	..	..	..	5.6	..	..	3.3	4.5
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	0.3	0.3	0.2	0.0	0.0
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	0.3	0.3	0.2	0.0	0.0
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	16,277.8	14,104.8	13,695.7	14,897.2	10,331.9	14,004.4	12,879.8	13,800.5	16,428.7	15,872.1
Batangas	16,277.8	14,104.8	13,695.7	14,897.2	10,331.9	14,004.4	12,879.8	13,800.5	16,428.7	15,872.1
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	0.1	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	0.1	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	12.9	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	12.9	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	0.3	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	0.3	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	1.9	1.1	2.7	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	1.9	1.1	2.7	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	60.7	60.5	60.2	60.5	62.1	63.9	65.7	73.4	78.8	86.1
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	60.7	60.5	60.2	60.5	62.1	63.9	65.7	73.4	78.8	86.1
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.6
AQUACULTURE IN FRESHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**84,556.9**	**82,527.2**	**85,160.8**	**88,536.7**	**75,771.9**	**78,788.9**	**83,185.1**	**80,443.9**	**85,439.6**	**85,360.8**
NCR	365.7	390.1	389.1	413.7	400.0	398.2	289.2	168.3	270.6	244.0
Metro Manila	365.7	390.1	389.1	413.7	400.0	398.2	289.2	168.3	270.6	244.0
CAR	971.9	911.0	915.8	936.9	959.4	936.0	1,109.6	1,193.4	1,420.7	1,347.8
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	0.1	..	0.2	0.6	..	..	..	..	2.0	1.1
Benguet	234.3	246.1	247.7	258.9	272.3	274.3	250.6	270.5	258.7	240.8
Ifugao	737.5	662.2	665.2	674.5	684.0	658.5	857.4	921.3	1,158.8	1,104.3
Kalinga	0.1	0.1	0.0	0.1	..	..	..	..	..	..
Mountain Province	0.0	2.7	2.7	2.9	3.1	3.2	1.7	1.6	1.3	1.6
Ilocos Region	37.2	24.8	14.5	15.0	14.5	48.5	49.8	71.0	105.3	112.8
Ilocos Norte	21.9	13.1	3.4	3.8	3.9	42.1	43.8	67.3	101.9	109.5
Ilocos Sur	11.3	10.7	11.2	11.2	10.6	6.3	5.6	3.5	3.3	3.2
La Union	4.0	1.0	..	..	..	..	0.4	0.2	0.1	0.1
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	390.4	266.6	382.2	338.6	263.6	287.8	362.3	351.8	335.0	296.4
Cagayan	1.8	5.4	3.6	3.4	2.8	1.8	0.6	1.4	1.7	1.6
Isabela	386.3	257.8	371.7	325.9	258.5	285.1	361.0	349.1	331.6	293.6
Nueva Vizcaya	2.4	3.3	6.9	6.4	2.2	0.9	0.7	1.4	0.8	1.2
Quirino	..	..	..	2.9	..	..	..	..	0.8	..
Central Luzon	0.6	0.9	39.3	31.9	19.5	19.0	12.3	11.4	11.1	21.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	0.6	0.9	39.3	31.9	19.5	19.0	12.3	11.4	11.1	21.3
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	73,020.4	71,478.0	73,803.9	77,292.7	64,536.5	68,089.1	72,393.3	70,628.9	75,163.4	74,780.5
Batangas	62,994.5	61,271.9	63,665.9	66,129.9	55,582.0	58,723.5	63,887.5	60,888.0	63,957.3	61,977.4
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	8,399.9	8,464.5	8,314.5	9,212.2	7,136.6	7,226.3	7,636.4	8,928.6	10,675.4	11,755.3
Quezon	35.9	48.1	87.6	166.3	99.2	200.6	70.5	54.3	46.0	71.9
Rizal	1,590.2	1,693.5	1,735.9	1,784.3	1,718.7	1,938.7	798.9	758.0	484.7	976.0
MIMAROPA	..	..	..	..	..	5.7	..	0.7	2.8	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	5.7	..	0.7	2.8	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	7,706.3	7,568.0	7,792.7	7,805.4	7,826.7	6,934.0	6,566.1	6,308.9	6,340.7	6,584.1
Albay	1,981.8	1,976.2	2,066.4	2,149.5	2,198.5	1,688.9	1,816.0	1,610.7	1,529.0	1,844.1
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	5,724.6	5,591.8	5,726.3	5,655.9	5,628.2	5,245.1	4,750.2	4,698.1	4,811.7	4,740.1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	10.5	6.0	7.8	8.4	6.7	4.3	2.6	9.4	27.8	15.9
Bohol	1.0	0.8	2.6	2.1	1.7	0.9	1.9	8.9	26.0	13.0
Cebu	8.7	3.8	4.6	5.5	2.3	1.7	0.8	0.6	1.7	2.9
Negros Oriental	0.7	1.4	0.6	0.8	2.8	1.7	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	40.1	44.7	50.4	65.9	34.2	21.2	10.9	5.5	4.1	3.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	40.1	44.7	50.4	65.9	34.2	21.2	9.7	4.7	3.1	1.5
Northern Samar	..	..	..	..	..	..	1.2	0.7	1.0	2.0
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	1.7	16.3	4.7	2.6	..	0.4	0.1	0.1	0.1	..
Bukidnon	1.7	16.3	4.7	2.6	..	0.4	0.1	0.1	0.1	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	2.2	1.5	1.8	3.3	7.9	8.4	1.7	3.0	4.3	11.8
Compostela Valley	1.8	1.2	1.1	0.4	7.3	8.0	1.7	2.9	4.3	11.8
Davao del Norte	0.5	0.3	0.6	3.0	0.6	0.4	-	0.1	0.1	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1,729.1	1,537.2	1,485.6	1,394.5	1,456.9	1,696.9	2,040.1	1,311.8	1,352.5	1,574.6
Cotabato	4.0	6.3	9.8	0.4	0.9	..	..	0.3	0.2	0.1
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	3.5	3.4	4.2	3.3	3.0	3.9	2.4	2.7	8.4	2.9
South Cotabato	1,721.6	1,527.5	1,471.6	1,390.8	1,453.0	1,692.9	2,037.8	1,308.8	1,344.0	1,571.5
Caraga	90.3	89.1	81.0	33.4	52.1	140.4	143.1	149.7	85.9	34.8
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	87.2	87.5	79.3	31.5	41.4	102.4	102.3	118.8	52.0	21.1
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	3.0	1.7	1.8	2.0	10.7	38.0	40.8	30.9	33.9	13.8
ARMM	190.4	192.9	192.1	194.5	194.0	198.9	204.0	230.0	315.3	333.4
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	6.3	6.2	6.1	7.2	6.2	5.2	1.4	1.2	0.8	..
Maguindanao	184.1	186.7	186.0	187.3	187.7	193.7	202.6	228.8	314.6	333.4
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.6
AQUACULTURE IN FRESHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carp										
Philippines	**1,707.5**	**1,758.5**	**1,761.5**	**1,823.2**	**1,571.7**	**1,855.7**	**1,422.7**	**1,342.9**	**1,357.2**	**1,818.2**
NCR	79.5	84.8	84.9	90.1	87.3	86.7	48.6	4.0	..	..
Metro Manila	79.5	84.8	84.9	90.1	87.3	86.7	48.6	4.0	..	..
CAR	..	..	..	..	..	..	0.0	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	0.0	..	..	..
Ilocos Region	..	..	..	..	..	..	0.1	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	0.1	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	1,613.7	1,661.5	1,667.3	1,720.2	1,471.3	1,756.1	1,362.0	1,324.0	1,344.3	1,810.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	839.5	833.6	812.8	849.2	622.1	794.6	1,057.6	1,075.5	1,136.9	1,422.5
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	774.2	827.9	854.6	871.0	849.2	961.6	304.4	248.5	207.5	387.8
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	14.3	12.0	9.3	12.9	13.1	12.8	12.0	14.9	12.8	7.9
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	14.3	12.0	9.3	12.9	13.1	12.8	12.0	14.9	12.8	7.9
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	0.0	-	..	..	..
Compostela Valley	..	..	..	..	..	0.0	-	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	0.2	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	0.2	..	..	..	..	..	..	..	..
Caraga	..	-	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	-	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.6
AQUACULTURE IN FRESHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish										
Philippines	**2.8**	**..**	**0.2**	**0.1**	**0.4**	**1.1**	**2.2**	**1.5**	**2.4**	**1.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	-	0.4	1.1	1.3	1.4	2.4	1.4
Ilocos Norte	..	..	..	-	0.4	0.4	0.5	0.9	2.4	1.4
Ilocos Sur	..	..	..	..	..	0.8	0.8	0.6	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	2.7	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	2.7	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.0	..	..	..	..	0.0	0.9	0.0	0.1	0.1
Compostela Valley	0.0	..	..	..	..	0.0	0.9	0.0	..	0.1
Davao del Norte	..	..	..	..	..	..	..	..	0.1	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	0.2	0.1	..	..	..	..	-	-
Cotabato	..	..	0.2	0.1	..	..	..	..	-	-
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.6
AQUACULTURE IN FRESHWATER FISH CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**3.3**	**0.6**	**3.8**	**2.7**	**2.5**	**2.1**	**10.4**	**37.2**	**38.8**	**61.2**
NCR	..	..	..	..	..	..	9.5	37.0	38.7	61.2
Metro Manila	..	..	..	..	..	..	9.5	37.0	38.7	61.2
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	-	-	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	-	-	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	0.5	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	0.5	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.6	0.0	0.0	..	..	..	0.0	0.0	0.1	..
Compostela Valley	..	0.0	0.0	..	..	..	0.0	0.0	..	..
Davao del Norte	0.6	..	..	..	..	..	..	0.0	0.1	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	2.7	0.3	2.4	2.3	2.5	2.1	0.9	0.1	..	..
Cotabato	2.6	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	0.1	0.3	2.4	2.3	2.5	2.1	0.9	0.1	..	..
Caraga	..	0.3	1.4	..	..	..	..	..	..	0.0
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	-	..	..	..	..	..	..	..	0.0
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	0.3	1.4	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**26,680.2**	**21,535.8**	**23,878.9**	**22,240.1**	**14,244.5**	**11,139.5**	**11,301.8**	**11,013.9**	**9,857.4**	**8,283.6**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	14,024.7	11,305.7	12,298.5	12,112.0	14,084.1	10,901.4	11,025.4	10,488.5	9,222.1	7,435.1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	14,024.7	11,305.7	12,298.5	12,112.0	14,084.1	10,901.4	11,025.4	10,488.5	9,222.1	7,435.1
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	149.8	197.9	188.1	122.2	..	..	36.0	162.1	245.1	348.6
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	147.9	191.6	188.1	122.2	..	..	36.0	162.1	245.1	348.6
Sorsogon	1.9	6.3	..	..	..	..	..	..	..	..
Western Visayas	899.9	921.9	562.9	216.4	120.2	233.4	187.3	275.6	227.4	289.5
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	310.2	309.1	197.8	84.5	..	..	..	..	..	..
Guimaras	2.3	1.5	..	..	..	..	..	..	50.0	193.8
Iloilo	311.1	309.9	255.3	56.7	..	62.0	8.4	9.5	..	..
Negros Occidental	276.4	301.4	109.8	75.2	120.2	171.4	178.9	266.1	177.4	95.7
Central Visayas	144.9	35.2	35.0	34.6	3.3	3.3	16.2	7.0	4.6	2.7
Bohol	2.9	1.3	8.2	13.3	2.3	3.3	14.4	3.3	4.0	1.1
Cebu	95.4	19.9	5.1	7.0	1.0	..	1.8	2.8	..	..
Negros Oriental	46.7	14.0	21.7	14.3	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	1.0	0.6	1.6
Eastern Visayas	31.9	31.8	18.2	22.5	9.2	0.3	0.3	0.7	1.7	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	10.7	20.6	18.2	14.8	5.2	..	..	..	..	..
Leyte	5.6	5.7	..	7.7	4.0	0.3	0.3	0.7	1.7	..
Northern Samar	15.5	5.5	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	8.1
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	8.1
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	11,429.1	9,043.3	10,776.3	9,732.4	27.6	1.2	36.7	73.5	133.7	169.5
Compostela Valley	..	1.0	4.0	1.1	0.4	1.2	0.3	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	11,429.1	9,042.3	10,772.3	9,731.4	27.2	..	36.5	73.5	133.7	..
Davao Occidental	.	.	.	.	.	.	.	.	.	169.5
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	6.5	22.7	30.1
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	6.5	22.7	30.1
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	..	..	..	..	..	..	**1.0**	**0.0**	**0.1**	**1.7**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	0.1	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	0.1	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	1.0	0.0	..	..
Bohol	..	..	..	..	..	..	1.0	0.0	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	1.7
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	1.7
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	0.0	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	0.0	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tiger prawn										
Philippines	**0.1**	**..**	**..**	**..**	**..**	**..**	**..**	**..**	**0.2**	**0.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.1	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	0.1	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	0.2	0.4
Basilan	..	..	..	..	..	..	..	..	0.2	0.4
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudcrab										
Philippines	..	..	..	**0.0**	..	..	..	..	..	..
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	0.0	..	..	..	..	..	..
Bohol	..	..	..	0.0	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Endeavor prawn										
Philippines	..	..	..	..	..	..	**0.0**	..	..	..
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	0.0	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	0.0	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White shrimp										
Philippines	..	..	..	..	..	..	..	..	..	..
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper										
Philippines	**23.0**	**13.4**	**4.5**	**0.0**	**0.1**	**0.3**	**0.3**	**0.5**	**0.4**	**0.6**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	0.2	0.2	0.4	0.4	0.5
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	0.2	0.2	0.4	0.4	0.5
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	0.5	1.4	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	0.5	1.4	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	0.0	..	0.0	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	0.0	..	..	..	..	..	..
Negros Oriental	..	0.0	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	0.0	0.0	..	0.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	0.0	0.0	..	0.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	0.1	-	..	0.1	0.1	0.1	..	..	..
Compostela Valley	..	0.1	-	..	0.1	0.1	0.1	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	22.5	11.9	4.5	..	..	..	..	0.1	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	0.0	..	..
Surigao del Norte	22.5	11.9	4.3	..	..	..	..	..	..	..
Surigao del Sur	..	..	0.2	..	..	..	..	0.1	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid										
Philippines	**40.7**	**17.0**	**5.5**	**3.7**	**0.7**	**0.7**	**0.0**	**0.4**	**..**	**..**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	0.0	..	..	..	0.2	..	..
Ilocos Norte	..	..	..	0.0	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	0.2	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	0.2	..	0.2	..	0.2	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	0.2	..	0.2	..	0.2	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	31.5	10.7	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	31.5	10.7	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.1	0.4	0.2	..	0.1	0.2	0.0	0.1	..	..
Compostela Valley	0.1	0.4	0.2	..	0.1	0.2	0.0	0.1	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	9.1	5.6	5.3	3.5	0.6	0.3	..	0.1	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	9.1	5.6	4.7	3.5	0.6	0.3	..	..	..	..
Surigao del Sur	..	..	0.7	..	..	..	..	0.1	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Spiny lobster										
Philippines	**6.6**	**4.8**	**5.3**	**4.1**	**4.7**	**4.0**	**3.6**	**4.2**	**4.4**	**5.6**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	6.2	4.4	4.8	3.6	4.3	3.5	3.6	4.2	4.3	5.5
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	3.5	4.1	4.3	5.5
Surigao del Norte	6.2	4.4	4.8	3.6	4.3	3.5	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	0.1	0.0	..	..
ARMM	0.4	0.4	0.5	0.5	0.5	0.5	..	..	0.1	0.0
Basilan	0.4	0.4	0.5	0.5	0.5	0.5	..	..	0.1	0.0
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.7
AQUACULTURE IN MARINE PEN: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**3.3**	**1.6**	**5.0**	**3.5**	**6.4**	**4.2**	**0.4**	**0.8**	**5.3**	**2.9**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	0.2	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	0.2	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	0.4	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	0.4	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.5	0.2	0.5	0.8	0.5	0.9	0.1	0.4	1.4	1.6
Bohol	..	0.1	..	..	..	..	..	..	..	..
Cebu	0.5	0.1	0.5	0.8	0.5	0.9	0.1	0.4	1.4	1.6
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	0.0	..	0.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	0.0	..	0.0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	0.0	0.1	..	..	2.4	0.2	0.0	0.3	3.1	0.9
Compostela Valley	0.0	0.1	..	..	0.0	0.2	0.0	-	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	2.4	..	..	0.3	3.1	..
Davao Occidental	.	.	.	.	.	.	.	.	.	0.9
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	1.5	..	3.1	1.1	1.9	1.6	0.1	0.1	0.0	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	0.0	..
Surigao del Norte	1.5	..	2.1	1.1	1.9	1.6	..	..	..	..
Surigao del Sur	..	..	1.0	..	..	..	0.1	0.1	..	..
ARMM	1.3	1.4	1.5	1.5	1.6	1.6	..	..	0.3	0.4
Basilan	1.3	1.4	1.5	1.5	1.6	1.6	..	..	0.3	0.4
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**60,519.2**	**82,422.4**	**88,811.4**	**100,477.9**	**110,003.1**	**104,923.7**	**105,848.4**	**106,357.8**	**108,239.0**	**118,520.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	40,812.6	60,829.2	63,501.5	72,134.1	80,824.9	74,577.0	76,133.7	75,513.1	72,619.6	84,150.2
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	0.0
La Union	41.0	184.5	176.7	220.5	58.4	11.9	56.3	95.6	1,454.7	1,925.6
Pangasinan	40,771.6	60,644.7	63,324.8	71,913.7	80,766.6	74,565.1	76,077.4	75,417.6	71,164.9	82,224.6
Cagayan Valley	0.0	..	..	..	..	..	..	..	..	..
Cagayan	0.0	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	2,529.4	3,356.1	4,306.0	5,674.8	8,238.5	7,483.1	8,025.7	13,163.6	17,803.3	17,476.3
Aurora	..	..	..	6.6	2.7	..	..	..	3.2	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	2,529.4	3,356.1	4,306.0	5,668.3	8,235.8	7,483.1	8,025.7	13,163.6	17,800.2	17,476.3
CALABARZON	..	..	..	46.2	4.1	7.0	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	46.2	4.1	7.0	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	2.4	1.3	26.5	392.0	82.9	54.7	26.1	0.3	..	0.4
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	7.5	..	..	0.4
Oriental Mindoro	..	..	..	..	..	1.2	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	2.4	1.3	26.5	392.0	82.9	53.5	18.7	0.3	..	..
Bicol Region	1.0	0.7	0.2	0.7	0.1	0.3	..	..	..	0.2
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1.0	0.7	0.2	0.7	0.1	0.3	..	..	..	0.2
Western Visayas	115.3	145.1	146.2	70.7	63.6	88.0	205.9	308.6	310.9	553.9
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	36.3	76.3	91.6	56.4	51.0	88.0	203.0	302.0	310.0	553.9
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	79.1	68.8	54.7	14.3	12.6	..	2.9	6.6	0.9	..
Central Visayas	552.5	428.7	553.4	763.2	775.0	710.6	451.2	286.2	365.1	420.2
Bohol	83.5	104.5	110.2	116.7	129.6	92.2	90.0	84.7	180.2	263.1
Cebu	222.6	129.6	241.6	241.8	309.6	381.8	114.5	90.7	113.9	98.6
Negros Oriental	245.7	194.5	201.6	404.4	333.4	236.5	245.2	108.9	70.9	58.6
Siquijor	0.7	..	..	0.3	2.5	..	1.6	2.0	..	..
Eastern Visayas	5,313.6	4,435.5	4,125.7	3,077.1	128.7	151.8	178.6	232.2	26.5	75.7
Biliran	..	16.1	8.6	9.5	2.2	..	56.8	8.5	3.5	42.6
Eastern Samar	951.8	944.3	257.5	211.5	..	..	..	..	..	1.1
Leyte	1,224.2	1,284.6	1,417.8	683.6	..	5.1	23.8	15.0	2.5	15.3
Northern Samar	182.5	159.4	126.0	124.7	125.0	119.7	91.1	36.9	0.6	..
Samar	2,920.5	2,018.0	2,266.5	2,029.6	..	27.0	..	150.4	0.5	..
Southern Leyte	34.7	13.2	49.2	18.2	1.5	..	7.0	21.4	19.4	16.7
Zamboanga Peninsula	..	0.3	0.3	0.5	1.4	..	50.0	63.5	91.4	112.9
Zamboanga del Norte	..	..	..	..	..	..	50.0	63.5	86.3	112.7
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	0.3	0.3	0.5	1.4	..	..	..	5.1	0.2
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	1,990.2	2,330.9	2,313.9	1,926.6	2,735.1	2,402.7	3,160.9	3,628.5	3,405.0	2,294.4
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	1.7	1.1	3.2	0.3	2.2	1.3	6.9	8.6
Lanao del Norte	30.8	64.6	67.7	116.1	71.6	51.3	94.0	98.0	49.8	28.2
Misamis Occidental	4.3	18.0	47.0	235.5	438.0	542.5	455.6	391.1	304.1	166.6
Misamis Oriental	1,955.1	2,248.3	2,197.6	1,573.9	2,222.4	1,808.6	2,609.0	3,138.1	3,044.2	2,091.0
Davao Region	6,861.1	8,288.5	11,040.9	13,567.6	14,134.7	17,476.0	16,164.6	11,834.2	11,815.3	10,839.7
Compostela Valley	24.0	42.5	81.4	130.7	136.6	67.2	60.9	51.5	96.4	152.1
Davao del Norte	1,984.2	1,648.5	1,680.1	1,976.9	2,945.5	3,252.2	2,782.4	2,891.3	1,311.4	1,461.8
Davao del Sur	4,699.4	6,272.3	8,860.4	10,663.9	10,133.9	13,268.9	12,399.5	8,105.0	9,131.0	2,880.8
Davao Occidental	.	.	.	.	.	.	.	.	.	5,581.8
Davao Oriental	..	53.9	15.3	17.7	22.1	73.7	56.2	31.7	30.0	30.8
City of Davao	153.5	271.3	403.7	778.5	896.6	814.1	865.7	754.7	1,246.5	732.4
SOCCSKSARGEN	2,021.1	2,274.7	2,455.6	2,508.6	2,357.8	1,392.1	551.6	56.0	93.7	255.8
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	680.4	873.6	1,000.1	838.1	806.4	720.8	391.5	56.0	74.3	91.3
Sultan Kudarat	..	..	..	..	..	..	..	..	..	1.9
South Cotabato	1,340.7	1,401.0	1,455.5	1,670.5	1,551.5	671.3	160.1	..	19.4	162.6
Caraga	308.5	315.9	337.6	315.6	656.4	580.3	899.7	1,271.6	1,707.7	2,340.8
Agusan del Norte	138.5	160.2	225.5	258.3	530.8	491.5	729.5	823.1	1,165.5	1,372.4
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	2.8	2.5	7.2
Surigao del Norte	..	..	1.4	2.0	56.2	58.5	65.8	49.8	66.7	104.1
Surigao del Sur	169.9	155.7	110.7	55.3	69.4	30.4	104.5	396.0	472.9	857.1
ARMM	11.5	15.4	3.6	..	..	..	0.3	..	0.6	..
Basilan	11.5	15.4	3.6	..	..	..	0.3	..	0.6	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**7.2**	**2.0**	**7.0**	**0.1**	**..**	**..**	**1.4**	**8.0**	**0.4**	**..**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	0.1	..	..	..	..	..	..
Cagayan	..	..	..	0.1	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	0.0	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	0.0	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	0.2	1.4	0.2	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	0.2	1.4	0.2	..
Central Visayas	0.2	1.3	0.8	..	..	..	1.2	..	0.1	..
Bohol	0.2	1.3	0.8	..	..	..	1.2	..	0.1	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	7.0	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	7.0	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	0.2	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	0.2	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	0.7	6.3	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	0.7	6.3	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	6.6	..	..
Basilan	..	..	..	..	..	..	..	6.6	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tiger prawn										
Philippines	..	..	..	..	..	..	0.2	..	0.1	0.0
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	0.2	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	0.2	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	0.1	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	0.1	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	0.0
Compostela Valley	..	..	..	..	..	..	..	..	..	0.0
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudcrab										
Philippines	**1.2**	**..**	**..**	**0.1**	**..**	**..**	**..**	**2.6**	**7.9**	**7.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	2.6	7.1	7.2
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	2.6	7.1	7.2
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	0.8	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	0.8	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	1.2	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	1.2	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	0.1	..	..	..	..	..	..
Compostela Valley	..	..	..	0.1	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Endeavor prawn										
Philippines	..	..	..	..	..	..	..	..	..	..
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White shrimp										
Philippines	..	..	..	..	..	..	..	..	..	..
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Grouper										
Philippines	**141.5**	**183.1**	**167.6**	**214.3**	**244.7**	**235.0**	**146.4**	**190.4**	**83.4**	**102.8**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	0.1	0.3	0.5	0.8	0.5	0.7
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	0.1	0.3	0.5	0.8	0.5	0.7
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	0.6	0.7	0.5	0.7	0.5	0.2	2.6	2.6	3.2	1.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	0.6	0.7	0.5	0.7	0.5	0.2	2.6	2.6	3.2	1.2
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	0.9	0.4	0.3	0.1	0.1	0.1	0.0	0.2	1.8	1.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	-	..	..	..	..	..	..	..	0.3	0.1
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	0.9	0.4	0.3	0.1	0.1	0.1	0.0	0.2	1.4	1.2
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	10.1	11.5	13.7	17.2	16.7	7.4	..	..	..	0.5
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	9.9	11.2	13.6	16.9	16.7	7.4	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	0.1	0.3	0.2	0.3	..	..	..	..	..	0.5
Western Visayas	51.2	50.8	59.5	101.2	166.8	180.4	105.0	160.5	42.2	52.5
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	9.6	11.0	10.9	11.7	15.1	18.3	18.9	32.7	40.7	49.7
Guimaras	..	..	..	..	..	..	0.1	..	0.1	0.2
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	41.6	39.9	48.6	89.5	151.7	162.1	86.0	127.8	1.4	2.6
Central Visayas	..	0.0	0.0	0.2	..	..	0.9	2.0	1.3	0.9
Bohol	..	..	..	..	..	..	0.9	2.0	1.3	0.9
Cebu	..	0.0	0.0	0.1	..	..	..	..	..	..
Negros Oriental	..	-	..	0.1	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	1.9	4.5	2.5	1.6	3.9	2.8	1.6	5.9
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	0.5
Leyte	..	..	..	..	..	..	..	..	..	0.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	1.9	4.5	2.5	1.6	3.9	2.8	1.6	5.3
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	61.2	111.0	90.3	89.8	56.8	43.2	33.0	21.3	32.8	39.5
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	4.2	4.4	4.2	1.2	..	..	..	..	..	..
Zamboanga Sibugay	56.9	106.7	86.1	88.6	56.8	43.2	33.0	21.3	32.8	39.5
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	0.2	..	0.2	0.5	0.8	1.8	0.3	0.2	0.1	0.2
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	0.8	..	..	..	..
Misamis Occidental	0.2	..	0.2	0.5	0.5	0.2	0.3	0.2	0.1	0.2
Misamis Oriental	..	..	..	..	0.3	0.8	..	..	..	..
Davao Region	..	0.9	0.3	0.1	0.4	..	0.0	0.0	0.0	0.0
Compostela Valley	..	..	..	..	0.3	..	0.0	..	..	0.0
Davao del Norte	..	0.9	0.3	0.1	0.1	..	..	0.0	0.0	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.2	..	..	..	..	0.0	0.0	0.1	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	1.2	..	..	..	..	0.0	0.0	0.1	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	16.2	7.8	1.1	..	..	..	..	0.0	..	0.1
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	16.2	7.8	1.1	..	..	..	..	0.0	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	0.1
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Siganid										
Philippines	**49.2**	**34.8**	**35.0**	**62.5**	**63.5**	**77.6**	**63.8**	**45.1**	**133.6**	**74.5**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	6.0	..	..	0.9	1.6	1.2	0.5	0.5	3.2	6.2
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	0.7	0.5	0.5	0.7	1.2
La Union	..	..	..	0.9	1.6	0.5	..	..	2.6	5.0
Pangasinan	6.0	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	0.3	..	0.3	..	..	..	..	..	..
Cagayan	..	0.3	..	0.3	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	4.1	..	..	..	..	..	..	..	0.3	..
Aurora	..	..	..	..	..	..	..	..	0.3	..
Bataan	4.1	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	0.1	0.2	0.2	0.1	0.1	0.1	..	0.1	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	0.1	0.2	0.2	0.1	0.1	0.1	..	0.0	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	0.0	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	0.0	0.1	0.0	0.1	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	0.0	0.1	0.0	0.1	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	1.0	3.2	3.2	2.6	2.2	0.1	0.5	1.1	0.1	0.1
Bohol	0.8	2.0	1.0	1.5	1.3	..	0.1	1.1	0.1	..
Cebu	0.2	0.0	0.1	0.0	..	0.0	0.0	..	..	0.1
Negros Oriental	..	0.1	0.1	0.1	0.7	0.1	0.3	0.0	0.1	..
Siquijor	..	1.0	2.0	1.0	0.2	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	3.9	4.4	4.2	0.3	..	..	0.3	..	0.3	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	3.9	4.4	4.2	0.3	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	0.3	..	0.3	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	0.3	2.4	1.3	1.2	1.2	1.8	1.5	1.7	1.5	1.3
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	1.2	1.8	1.5	1.7	1.5	..
Misamis Occidental	0.3	0.0	..	1.2	..	0.1	..	..	..	..
Misamis Oriental	..	2.4	1.3	..	..	..	..	..	..	1.3
Davao Region	16.8	15.2	21.5	52.6	58.2	73.1	60.0	41.6	128.1	66.1
Compostela Valley	..	0.4	-	0.5	0.4	3.2	2.2	0.6	0.3	0.9
Davao del Norte	5.8	5.3	19.1	33.6	23.3	13.8	5.7	5.4	2.4	1.7
Davao del Sur	10.9	7.4	0.6	18.1	34.2	50.7	46.5	29.4	118.6	57.7
Davao Occidental	.	.	.	.	.	.	.	.	.	2.1
Davao Oriental	..	..	1.8	0.4	0.2	5.5	5.6	6.1	6.7	3.6
City of Davao	..	2.0	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.0	0.6	..	..	..	..	0.8	0.2	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	1.0	0.6	..	..	..	..	..	0.2	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	0.8	..	..	..
Caraga	16.0	8.5	4.6	4.4	0.4	1.3	0.2	..	0.1	0.9
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	0.1	0.9
Surigao del Norte	13.8	8.4	4.6	4.3	0.4	1.3	0.2	..	..	..
Surigao del Sur	2.2	0.1	..	0.1	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Spiny lobster										
Philippines	**82.4**	**63.1**	**32.9**	**8.5**	**4.7**	**4.8**	**6.1**	**7.8**	**4.5**	**7.9**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	0.0	..	0.0
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	0.0	..	0.0
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	0.0	0.1	0.0	0.0	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	0.0	0.1	0.0	0.0	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	0.2	0.2	0.2	1.1
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	0.2	0.2	0.2	1.1
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	0.0	0.0	4.7
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	0.0
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	0.0	0.0	4.7
Zamboanga Peninsula	0.1	..	..	..	..	..	0.5	1.1	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	0.1	..	..	..	..	..	0.5	1.1	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	0.0	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	0.0	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	11.7	8.8	7.4	8.5	4.7	4.8	5.4	6.5	4.3	2.1
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	0.9	1.0	1.4	1.2
Surigao del Norte	11.7	8.8	7.4	8.5	4.7	4.8	4.6	5.6	2.9	0.8
Surigao del Sur	..	..	..	..	..	..	..	..	0.0	0.1
ARMM	70.7	54.3	25.4	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	70.7	54.3	25.4	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.8
AQUACULTURE IN MARINE CAGE: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(Concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**1,168.2**	**1,074.2**	**1,370.7**	**808.9**	**396.6**	**365.5**	**191.1**	**159.0**	**482.9**	**393.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	5.9	9.4	13.5	13.9	11.1	6.5	2.2	1.6	4.9	18.0
Ilocos Norte	0.0	0.7	..	..	..	..	..	..	..	..
Ilocos Sur	1.2	1.3	1.8	1.7	1.7	0.6	0.5	0.3	0.7	0.9
La Union	4.6	7.4	11.7	12.2	9.4	6.0	1.6	1.3	4.1	17.1
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	9.7	10.2	..	4.4	2.1	5.6	..	..	0.3	..
Aurora	..	..	..	..	..	..	..	..	0.3	..
Bataan	9.7	10.2	..	4.4	2.1	5.6	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	0.8	0.3	0.4	1.4	..	0.0	0.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	0.8	0.3	0.4	1.4	..	0.0	0.2
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	537.9	441.0	594.1	84.5	59.4	58.2	41.5	14.7	349.3	262.5
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	0.5	2.2	1.7	1.3	1.5	1.8	1.3	1.6	0.5	0.2
Oriental Mindoro	..	..	..	..	..	0.8	..	0.1	0.2	..
Palawan	537.4	438.8	592.5	83.2	57.9	55.7	40.2	12.9	348.6	262.3
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	9.6	10.4	8.5	13.7	12.0	18.1	34.7	18.5	15.5	18.2
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	9.6	10.4	8.5	13.7	12.0	18.1	34.7	18.5	15.5	18.2
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	0.0
Western Visayas	8.9	9.8	22.7	20.2	23.9	25.0	28.3	114.9	107.3	85.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	3.8	4.2	4.3	4.6	4.8	6.9	6.2	7.5	3.9	4.4
Guimaras	..	..	..	..	..	..	0.3	0.3	0.3	0.3
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	5.1	5.7	18.5	15.6	19.1	18.1	21.8	107.1	103.1	80.3
Central Visayas	27.2	5.7	7.7	12.4	7.1	20.6	8.7	6.4	2.2	6.2
Bohol	24.6	3.7	5.0	7.3	5.8	6.0	7.5	5.8	1.7	6.1
Cebu	2.6	2.0	2.7	5.1	1.3	14.6	1.2	0.5	0.5	0.2
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	394.4	372.0	478.5	376.2	..	..	..	..	..	0.2
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	394.4	372.0	478.5	376.2	..	..	..	..	..	0.2
Leyte	..	..	..	..	..	..	..	..	..	0.0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	7.3	..	..	..	..	..	..	..	0.0	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	7.3	..	..	..	..	..	..	..	0.0	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	..	..	..	..	..	0.0	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	0.0	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	1.1	1.1	1.5	2.3	4.8	9.4	6.2	2.2	0.7	0.7
Compostela Valley	0.1	0.1	0.8	1.8	2.4	9.2	5.8	2.1	..	0.1
Davao del Norte	1.0	1.0	0.7	0.5	2.2	0.2	0.5	0.2	0.4	0.4
Davao del Sur	..	..	..	..	0.2	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	0.3	0.2
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	123.9	179.1	231.9	267.9	267.5	216.5	66.6	0.7	1.1	0.4
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	123.9	179.1	231.9	267.9	267.5	216.5	66.6	0.7	1.1	0.4
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	6.8	9.2	4.9	1.6	1.6	0.0	0.5	0.7
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	0.0	0.1	0.0
Surigao del Norte	..	..	6.8	9.2	4.8	1.6	1.6	0.0	0.3	0.0
Surigao del Sur	..	..	..	..	0.0	..	..	..	0.1	0.6
ARMM	42.3	35.4	5.6	3.5	3.5	3.6	..	..	1.2	1.3
Basilan	3.3	3.3	3.4	3.5	3.5	3.6	..	..	1.2	1.3
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	39.0	32.1	2.2	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.9
AQUACULTURE OF OYSTER, MUSSEL, SEAWEED: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Oyster										
Philippines	**22,525.5**	**21,461.8**	**20,648.4**	**22,069.8**	**22,355.2**	**20,260.8**	**19,512.4**	**22,944.4**	**28,708.2**	**36,193.7**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	6,868.2	4,268.0	1,532.8	1,714.8	1,335.1	1,187.7	1,391.4	1,131.1	1,036.8	919.5
Ilocos Norte	1.0	0.7	0.1	0.4	0.5	0.6	0.5	0.8	0.8	1.0
Ilocos Sur	25.0	25.4	25.7	25.5	25.9	30.4	27.1	24.4	22.3	24.8
La Union	345.3	342.8	304.4	321.9	461.2	443.9	691.3	496.9	434.7	395.7
Pangasinan	6,496.9	3,899.1	1,202.6	1,367.1	847.5	712.9	672.5	609.0	579.0	497.9
Cagayan Valley	713.5	617.8	547.6	598.3	585.2	628.0	643.3	689.0	705.5	732.6
Cagayan	713.5	617.8	547.6	598.3	585.2	628.0	643.3	689.0	705.5	732.6
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	4,059.4	4,508.7	4,952.4	5,263.6	5,182.9	5,294.3	4,323.1	6,934.3	12,538.8	19,963.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	14.1	12.7	11.2	11.3	10.5	8.0	..	..	..	..
Bulacan	4,045.3	4,495.9	4,941.2	5,252.3	5,172.4	5,286.3	4,323.1	6,934.3	12,538.8	19,963.9
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	977.5	995.8	1,428.6	1,941.2	1,489.6	569.7	454.8	209.3	154.5	147.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	975.8	994.4	1,426.8	1,938.9	1,487.8	565.9	454.3	204.2	144.1	110.1
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	1.7	1.3	1.8	2.3	1.8	3.7	0.5	5.1	10.4	37.3
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	4.1	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	4.1	..	..	..	..	..	..	..	..
Western Visayas	8,281.7	9,623.5	10,865.2	11,199.4	12,252.8	11,134.1	11,409.6	12,336.7	12,621.6	12,626.3
Aklan	273.6	323.0	411.1	475.5	571.4	599.8	638.3	712.7	616.5	706.9
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	6,109.5	6,504.3	6,871.9	6,863.4	6,718.7	5,452.8	6,857.0	7,343.2	7,935.8	8,665.6
Guimaras	3.0	2.1	4.9	2.1	1.3	1.1	1.6	2.7	3.7	5.8
Iloilo	904.0	1,315.0	1,661.1	1,878.7	1,738.2	2,343.0	2,500.6	2,886.2	2,792.2	1,616.6
Negros Occidental	991.6	1,479.1	1,916.2	1,979.7	3,223.2	2,737.4	1,412.2	1,392.0	1,273.3	1,631.4
Central Visayas	591.1	720.3	743.6	815.7	971.3	910.8	769.0	890.2	934.7	755.0
Bohol	393.5	420.2	394.1	313.8	726.4	582.6	444.7	432.8	331.5	275.9
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	197.6	300.1	349.5	501.9	244.9	328.2	324.3	457.4	603.2	479.1
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	44.1	48.4	46.8	41.7	..	..	0.9	0.1	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	3.9	0.6	0.0	..	..	..	0.9	0.1	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	40.2	47.8	46.8	41.7	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	713.9	382.2	226.8	198.7	196.7	232.2	298.9	434.8	353.2	436.7
Zamboanga del Norte	122.4	129.3	132.4	136.2	150.0	157.2	160.9	188.3	181.5	184.5
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	591.6	252.9	94.3	62.5	46.7	75.0	138.0	246.6	171.7	252.2
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	1.0	1.1	1.8	0.4	..	..	0.0	0.1	7.5	0.9
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	1.0	1.1	1.8	0.4	..	..	0.0	0.1	7.5	0.9
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	275.1	292.1	302.8	295.9	341.6	304.3	221.4	318.9	355.7	611.7
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	275.1	292.1	302.8	295.9	341.6	304.3	221.4	318.9	355.7	611.7
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	0.0
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	0.0
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.9
AQUACULTURE OF OYSTER, MUSSEL, SEAWEED: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mussel										
Philippines	**20,876.8**	**22,442.7**	**25,660.4**	**22,894.2**	**18,761.8**	**15,949.1**	**18,774.6**	**19,208.6**	**26,302.8**	**25,421.5**
NCR	136.0	256.0	263.3	247.2	281.5	253.6	534.8	638.1	388.0	245.7
Metro Manila	136.0	256.0	263.3	247.2	281.5	253.6	534.8	638.1	388.0	245.7
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	653.8	791.1	728.0	644.8	470.8	399.7	448.3	445.0	360.9	304.8
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	653.8	791.1	728.0	644.8	470.8	399.7	448.3	445.0	360.9	304.8
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	1,717.9	1,438.3	1,008.0	1,014.1	890.5	525.2	435.8	401.6	340.7	235.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	1,717.9	1,438.3	1,008.0	1,014.1	890.5	525.2	435.8	401.6	340.7	235.0
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	5,494.0	6,435.5	8,060.9	7,124.4	4,044.9	3,435.5	2,434.2	3,121.4	8,083.8	8,360.8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	5,494.0	6,435.5	8,060.9	7,124.4	4,044.9	3,435.5	2,434.2	3,121.4	8,083.8	8,360.8
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	214.6	296.3	208.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	214.6	296.3	208.2
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	12.2	272.1	283.8	284.5	322.2	404.9	439.6	435.1	411.7
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	12.2	272.1	283.8	284.5	322.2	404.9	439.6	435.1	411.7
Western Visayas	9,162.6	9,000.7	8,508.8	8,524.2	8,130.8	6,645.5	8,065.0	9,548.6	9,136.9	9,593.8
Aklan	445.4	378.4	445.8	360.6	285.6	153.6	105.2	84.8	77.0	39.4
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	7,371.9	7,538.7	7,753.8	7,804.0	7,273.1	6,112.4	7,573.1	9,032.4	8,652.9	9,150.2
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	3.2	..	0.1	0.5	..	..	..	..	0.2	..
Negros Occidental	1,342.1	1,083.6	309.0	359.2	572.1	379.4	386.7	431.5	406.8	404.2
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	3,712.4	4,508.1	6,809.7	5,055.6	4,658.7	4,367.4	6,451.0	4,389.3	7,240.7	6,031.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	4.2	5.7	1.0	..	..	..	..	..	0.2	6.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	3,708.2	4,502.4	6,808.7	5,055.6	4,658.7	4,367.4	6,451.0	4,389.3	7,240.5	6,024.9
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	0.1	0.8	9.8	..	..	0.1	0.4	0.1	2.3	17.5
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	0.1	0.8	9.8	..	..	0.1	0.4	0.1	2.3	17.5
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	0.2	10.4	18.1	13.1
Compostela Valley	..	..	..	..	..	..	0.2	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	10.4	18.1	2.8
Davao Occidental	.	.	.	.	.	.	.	.	.	10.2
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.9
AQUACULTURE OF OYSTER, MUSSEL, SEAWEED: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Seaweed										
Philippines	**1,801,271.6**	**1,840,832.9**	**1,751,070.6**	**1,558,377.7**	**1,549,576.0**	**1,566,361.7**	**1,404,519.2**	**1,415,320.8**	**1,478,300.9**	**1,499,961.3**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	178.2	195.7	69.0	58.2	35.0	26.5	26.0	30.4	8.4	6.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	0.2	..	..	0.1	0.0	0.8	0.0	3.6	2.8	1.9
Pangasinan	178.0	195.7	69.0	58.1	34.9	25.7	26.0	26.7	5.6	4.4
Cagayan Valley	2,007.1	1,798.7	1,138.8	2,423.9	527.2	266.5	196.9	81.6	90.6	75.8
Cagayan	2,007.1	1,798.7	1,138.8	2,423.9	527.2	266.5	196.9	81.6	90.6	75.8
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	373.2	789.3	1,195.5	1,596.5	2,368.5	1,827.5	300.2	143.9	763.1	1,113.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	373.2	789.3	1,195.5	1,596.5	2,368.5	1,827.5	300.2	143.9	763.1	1,113.3
CALABARZON	44,437.2	46,832.2	45,131.0	41,413.3	32,617.7	23,492.7	3,642.0	827.6	3,304.0	4,283.5
Batangas	1,450.6	1,370.5	547.9	1,013.0	192.3	116.2	110.9	30.1	..	17.4
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	42,986.6	45,461.7	44,583.2	40,400.2	32,425.4	23,376.5	3,531.1	797.5	3,304.0	4,266.1
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	461,159.9	483,190.8	458,527.5	340,691.3	361,352.6	395,125.8	312,922.6	325,915.7	344,606.8	342,006.9
Marinduque	422.4	302.3	269.5	213.2	162.8	90.1	72.9	66.9	78.5	65.6
Occidental Mindoro	2,548.6	2,555.1	2,478.3	2,718.6	3,117.5	3,254.8	786.8	401.2	254.8	327.2
Oriental Mindoro	56.5	64.6	249.7	281.4	277.9	112.5	41.8	30.8	70.7	21.6
Palawan	456,145.6	477,185.5	451,926.4	334,736.3	354,128.2	387,680.3	311,524.6	324,654.4	343,497.6	341,156.9
Romblon	1,986.9	3,083.3	3,603.8	2,741.8	3,666.2	3,988.3	496.6	762.5	705.1	435.6
Bicol Region	56,861.5	58,842.0	61,503.5	61,089.9	59,863.8	55,382.1	34,199.5	36,985.5	52,607.1	51,647.1
Albay	501.6	766.5	673.4	591.9	596.1	215.1	196.6	194.8	220.0	208.8
Camarines Norte	31,129.3	32,962.4	35,545.6	36,841.7	36,205.2	34,547.2	19,080.0	20,460.0	35,432.2	35,477.9
Camarines Sur	23,883.4	23,888.9	23,996.2	22,394.2	21,800.9	19,016.4	13,379.0	14,578.3	15,564.6	15,054.9
Catanduanes	6.0	4.0	..	1.1	2.9	6.6	..	..	..	..
Masbate	1,165.4	1,169.3	1,245.1	1,221.8	1,161.7	1,219.4	1,170.1	1,201.4	1,102.1	802.3
Sorsogon	175.9	50.9	43.2	39.3	96.9	377.4	373.7	551.0	288.3	103.1
Western Visayas	67,893.8	72,865.0	71,712.5	65,173.5	77,466.9	80,572.1	81,800.3	83,541.9	82,503.4	73,441.2
Aklan	22.7	5.6	3.1	1.9	10.5	..	2.6	11.3	..	..
Antique	66,682.1	71,462.8	70,146.4	63,632.3	76,686.3	80,018.2	81,087.0	82,523.2	81,421.6	72,674.0
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	1,140.6	1,355.1	1,552.9	1,518.4	748.9	530.8	685.8	803.3	870.1	725.4
Iloilo	34.6	27.0	2.9	16.4	18.4	20.2	6.3	178.0	208.8	41.8
Negros Occidental	13.8	14.5	7.2	4.4	2.9	2.9	18.6	26.0	2.9	..
Central Visayas	130,135.9	137,871.5	136,159.1	124,247.4	104,943.5	96,588.6	88,737.4	64,549.0	62,936.7	65,247.7
Bohol	121,220.3	126,715.9	124,947.9	114,046.7	99,753.0	88,372.5	81,310.4	53,875.0	50,973.0	54,204.3
Cebu	7,928.0	9,915.3	10,398.6	9,788.6	4,742.9	7,965.9	7,128.1	10,019.4	11,008.5	9,873.8
Negros Oriental	972.0	1,215.5	776.0	367.3	408.3	225.0	289.4	639.5	945.1	1,166.4
Siquijor	15.7	24.8	36.5	44.9	39.3	25.2	9.6	15.1	10.1	3.1
Eastern Visayas	24,645.2	31,939.6	34,172.1	27,884.6	17,925.8	18,513.5	18,411.3	30,952.1	17,487.4	18,860.4
Biliran	1.3	0.2	0.1	0.0	..	..	..	..	..	..
Eastern Samar	5,460.2	10,740.0	12,326.8	11,181.1	0.2	73.1	176.8	235.6	158.9	209.4
Leyte	18,172.6	21,016.9	21,541.6	16,331.8	17,571.8	18,085.4	17,949.0	30,436.6	17,277.4	18,599.8
Northern Samar	12.7	181.3	301.9	371.7	353.9	355.0	284.4	279.6	43.0	51.2
Samar	..	..	..	..	..	..	1.1	0.3	8.2	..
Southern Leyte	998.4	1.3	1.7	..	..	..	..	..	..	..
Zamboanga Peninsula	258,131.3	254,521.1	246,304.3	218,789.7	206,161.1	204,180.5	193,107.6	182,562.4	196,638.6	197,563.6
Zamboanga del Norte	32,533.8	32,927.8	39,992.2	35,906.7	39,701.4	36,241.2	42,370.4	38,680.5	35,361.4	28,304.1
Zamboanga del Sur	46,017.4	34,459.8	31,073.2	25,484.0	22,359.1	22,404.2	17,583.2	19,533.1	21,579.1	23,567.4
Zamboanga Sibugay	120,824.6	126,428.9	114,992.7	100,614.6	91,474.0	95,147.6	90,322.5	82,519.4	93,784.4	97,066.8
City of Zamboanga	58,755.5	60,704.6	60,246.2	56,784.4	52,626.6	50,387.4	42,831.5	41,829.6	45,913.7	48,625.3
Northern Mindanao	44,279.1	42,618.7	42,053.3	42,261.3	40,784.8	39,409.1	39,964.1	32,635.7	32,179.8	34,330.1
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	148.0	282.5	251.4	143.9	94.3	..	2.9	86.2	20.4	4.8
Lanao del Norte	36,338.4	33,897.1	33,298.7	33,331.4	31,593.8	30,383.7	31,537.4	25,805.8	25,827.8	28,046.0
Misamis Occidental	7,792.0	8,439.0	8,503.3	8,786.0	9,095.3	9,025.4	8,423.9	6,720.0	6,327.5	6,272.6
Misamis Oriental	0.8	..	..	..	1.4	..	..	23.7	4.0	6.8
Davao Region	2,987.4	2,067.2	1,937.2	3,686.5	6,005.5	8,384.0	7,652.5	6,639.3	6,928.1	5,881.3
Compostela Valley	25.2	55.5	1.7	..	13.3	24.2	..	..	..	..
Davao del Norte	..	77.0	44.0	8.9	..	..	..	0.1	0.4	0.1
Davao del Sur	2,302.8	1,141.2	1,251.6	3,341.3	5,462.9	8,040.6	7,566.7	6,596.0	6,883.5	5,815.5
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	62.4	76.1	37.2	..	24.8	106.6	31.5	8.9	8.7	12.5
City of Davao	597.0	717.3	602.7	336.3	504.5	212.6	54.3	34.4	35.6	53.3
SOCCSKSARGEN	329.9	449.0	506.8	20.6	144.1	358.7	71.4	36.5	32.9	270.6
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	329.9	449.0	506.8	20.6	45.7	118.1	39.2	17.0	0.8	3.8
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	98.3	240.6	32.2	19.4	32.1	266.8
Caraga	21,454.5	20,401.6	21,296.6	19,876.7	16,383.9	14,798.7	10,313.2	9,825.8	9,200.5	8,468.2
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	269.6	301.4	236.3	58.5
Surigao del Norte	3,003.8	2,422.6	2,344.5	2,549.2	1,227.3	1,179.3	501.8	143.5	103.3	42.1
Surigao del Sur	18,450.8	17,979.0	18,952.1	17,327.6	15,156.6	13,619.4	9,541.8	9,380.9	8,860.9	8,367.6
ARMM	686,397.5	686,450.5	629,363.4	609,164.5	622,995.6	627,435.5	613,174.3	640,593.4	669,013.4	696,765.5
Basilan	6,063.1	6,254.2	6,376.6	6,488.1	6,628.6	6,478.1	856.5	1,088.6	847.7	868.0
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	86,687.1	87,756.4	89,579.8	89,386.5	90,927.6	92,219.5	90,809.5	93,773.8	96,809.7	99,803.4
Sulu	217,376.6	219,955.9	214,230.4	218,694.1	220,439.6	222,835.2	223,074.8	223,991.3	227,001.7	227,299.0
Tawi-tawi	376,270.7	372,484.1	319,176.6	294,595.8	304,999.8	305,902.7	298,433.5	321,739.8	344,354.4	368,795.1

. Data not available .. No reported data Total may not add up because of rounding off.

Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	..	..	..	..	..	..	0.2	0.3	..	0.1
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	0.2	0.3	..	0.1
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	0.2	0.3	..	0.1
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**57.9**	**43.5**	**61.8**	**2.3**	**2.2**	**2.8**	**2.2**	**2.4**	**2.7**	**3.7**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	19.2	1.5	2.4	1.4	1.2	2.2	1.4	1.3	0.9	1.3
Ilocos Norte	0.3	0.2	0.4	0.1	1.2	1.0	..	..	0.1	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	0.0	0.0	0.0	..	..
Pangasinan	18.9	1.3	2.0	1.3	..	1.2	1.4	1.3	0.9	1.3
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	37.9	38.4	57.0	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	37.9	38.4	57.0	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	0.8	3.6	2.5	0.9	0.9	0.6	0.8	1.1	1.8	2.4
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	0.3	0.6	0.7	0.9	0.4	0.5	0.3	0.6	0.9	1.5
Negros Occidental	0.5	3.1	1.8	0.1	0.5	0.1	0.5	0.6	1.0	0.8
Central Visayas	..	..	..	..	0.2	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	0.2	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carp										
Philippines	**7.3**	**4.4**	**7.3**	**0.1**	**..**	**0.1**	**0.1**	**0.2**	**0.1**	**0.2**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	3.5	0.2	0.3	0.1	..	0.1	0.1	0.2	0.1	0.2
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	3.5	0.2	0.3	0.1	..	0.1	0.1	0.2	0.1	0.2
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	3.8	4.2	7.0	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	3.8	4.2	7.0	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish										
Philippines	**3.1**	**1.6**	**2.2**	**0.1**	**..**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	1.7	0.2	0.2	0.1	..	0.1	0.1	0.1	0.1	0.2
Ilocos Norte	..	..	..	..	..	..	..	0.0	0.0	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	-	-	..	..
Pangasinan	1.7	0.2	0.2	0.1	..	0.1	0.1	0.1	0.1	0.2
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	1.4	1.4	2.0	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	1.4	1.4	2.0	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	0.0	..	..	..	0.0	0.0	0.0	0.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	0.0	0.0	0.0	0.0
Negros Occidental	..	..	0.0	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Gourami										
Philippines	**5.4**	**2.0**	**2.1**	**0.6**	**..**	**0.4**	**0.4**	**0.1**	**0.1**	**0.3**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	3.5	0.1	0.4	0.6	..	0.4	0.4	0.1	0.1	0.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	3.5	0.1	0.4	0.6	..	0.4	0.4	0.1	0.1	0.3
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	1.8	1.9	1.7	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	1.8	1.9	1.7	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudfish										
Philippines	**1.2**	**1.2**	**1.7**	**0.2**	**..**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.4	0.4	0.3	0.2	..	0.1	0.2	0.2	0.2	0.5
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	-	-	..	..
Pangasinan	0.4	0.4	0.3	0.2	..	0.1	0.2	0.2	0.2	0.5
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	0.8	0.8	1.4	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	0.8	0.8	1.4	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	0.0	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	0.0	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.10
AQUACULTURE, RICE FISH: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**0.5**	**0.3**	**0.3**	**0.2**	**..**	**..**	**0.4**	**0.3**	**0.2**	**0.3**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.5	0.3	0.3	0.2	..	..	0.4	0.3	0.2	0.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	0.5	0.3	0.3	0.2	..	..	0.4	0.3	0.2	0.3
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	0.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	0.0
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milkfish										
Philippines	**0.4**	**..**	**..**	**..**	**..**	**..**	**..**	**0.0**	**..**	**..**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	..	..	..	..	..	..	..	0.0	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	0.0	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
Cagayan Valley	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	0.4	..	..	..	..	..	..	..	..	..
Bukidnon	0.4	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tilapia										
Philippines	**143.2**	**205.5**	**293.9**	**151.5**	**116.8**	**59.2**	**47.3**	**59.3**	**77.8**	**84.0**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	8.8	9.1	8.6	5.0	4.6	4.7	5.4	4.7	4.3	4.4
Ilocos Norte	3.2	3.4	3.8	5.0	4.3	4.0	4.4	3.6	3.2	3.4
Ilocos Sur	..	..	..	..	..	0.3	0.5	0.5	0.6	0.6
La Union	..	..	..	..	..	0.1	0.1	0.3	0.1	0.1
Pangasinan	5.6	5.7	4.8	..	0.3	0.3	0.3	0.3	0.4	0.4
Cagayan Valley	56.2	106.1	89.5	93.5	72.3	26.3	18.9	21.1	21.3	25.0
Cagayan	9.1	10.9	8.1	6.4	6.0	5.3	2.7	3.3	3.5	3.2
Isabela	21.7	28.1	30.3	32.3	21.8	15.4	9.5	8.1	5.0	3.6
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	25.4	67.1	51.1	54.9	44.5	5.6	6.8	9.7	12.8	18.2
Central Luzon	61.8	63.1	164.1	9.1	2.2	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	6.0	6.6	6.8	5.8	..	..	..	..	..	..
Nueva Ecija	..	..	6.1	3.3	2.2	..	..	..	..	..
Pampanga	55.8	56.6	151.3	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	3.2	2.7	1.1	0.4	1.4	0.0	0.0	0.3	0.2	0.4
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	3.0	2.0	1.1	0.2	..	..	..	..	0.2	0.2
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	0.1	0.7	..	0.2	1.4	0.0	0.0	0.3	0.1	0.2
Central Visayas	8.8	10.9	9.5	11.0	1.6	..	..	..	..	..
Bohol	8.8	10.9	9.5	11.0	1.6	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Nothern Mindanao	0.9	1.1	1.4	2.0	1.8	1.3	0.3	1.2	1.6	0.5
Bukidnon	0.9	1.1	1.4	2.0	1.8	1.3	0.3	1.2	1.6	0.5
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	0.4	2.4	0.6	..	..	..
Compostela Valley	..	..	..	..	0.4	2.4	0.6	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	3.7	12.7	19.7	30.6	32.6	24.5	22.1	32.1	50.4	53.6
Cotabato	3.7	12.7	19.7	30.6	32.6	24.5	22.1	32.1	50.4	53.6
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carp										
Philippines	**4.9**	**10.8**	**17.1**	**7.2**	**7.3**	**2.9**	**2.3**	**1.4**	**0.9**	**0.8**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	1.1	1.1	1.2	0.0	0.0	0.0	0.0	0.2	0.1	0.2
Ilocos Norte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	0.0	..	..
Pangasinan	1.1	1.1	1.2	..	..	..	..	0.1	0.1	0.1
Cagayan Valley	3.7	8.6	12.8	5.5	5.9	2.0	1.6	0.5	0.1	0.1
Cagayan	1.1	1.3	0.9	0.6	0.5	0.5	0.1	0.1	0.1	0.0
Isabela	..	..	0.2	0.2	0.8	0.8	0.2	0.1	0.1	0.0
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	2.6	7.3	11.8	4.7	4.6	0.7	1.3	0.3	0.0	0.0
Central Luzon	..	..	1.0	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	1.0	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.1	0.2	0.2	0.3	0.0	..	..	..	..	..
Bohol	0.1	0.2	0.2	0.3	0.0	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	0.0	0.0	0.0
Bukidnon	..	..	..	..	..	..	..	0.0	0.0	0.0
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	0.1	1.0	1.9	1.4	1.4	0.9	0.7	0.7	0.6	0.5
Cotabato	0.1	1.0	1.9	1.4	1.4	0.9	0.7	0.7	0.6	0.5
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Catfish										
Philippines	**5.9**	**9.6**	**8.9**	**6.9**	**6.1**	**3.9**	**2.7**	**2.3**	**1.7**	**2.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.2	0.3	0.3	1.4	1.0	0.5	0.3	0.4	0.1	1.3
Ilocos Norte	0.1	0.2	0.3	1.4	1.0	0.4	0.2	0.2	0.1	1.2
Ilocos Sur	..	..	..	..	..	..	..	0.1	..	..
La Union	..	..	..	..	..	..	0.0	0.0	..	..
Pangasinan	0.1	0.1	..	..	0.0	0.0	0.1	0.1	0.0	0.1
Cagayan Valley	3.0	4.4	3.9	3.9	3.1	2.3	0.9	0.9	0.6	0.4
Cagayan	1.0	1.2	1.0	0.8	0.7	0.6	0.3	0.3	0.3	0.2
Isabela	1.8	2.5	2.3	2.8	2.1	1.6	0.5	0.5	0.3	0.2
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	0.3	0.7	0.6	0.3	0.3	0.1	0.1	0.1	0.1	0.1
Central Luzon	0.9	0.9	2.0	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	0.9	0.9	2.0	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	1.3	2.4	0.5	0.0	..	..	..	..	0.1	0.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	1.3	1.0	0.5	0.0	..	..	..	..	0.1	0.0
Iloilo	..	1.3	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.1	0.1	0.1	0.1	0.0	..	..	..	..	..
Bohol	0.1	0.1	0.1	0.1	0.0	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	0.0	..	0.0	..	0.0	0.0	0.1	0.0
Bukidnon	..	..	0.0	..	0.0	..	0.0	0.0	0.1	0.0
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	0.6	0.1	0.4	..	..	..
Compostela Valley	..	..	..	..	0.6	0.1	0.4	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	0.3	1.4	2.0	1.5	1.4	1.1	1.1	1.0	0.8	0.6
Cotabato	0.3	1.4	2.0	1.5	1.4	1.1	1.1	1.0	0.8	0.6
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Gourami										
Philippines	**3.0**	**3.8**	**4.6**	**2.6**	**1.3**	**0.7**	**0.7**	**0.6**	**0.4**	**0.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	..	..
Ilocos Norte	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	0.0	..	..	..	..	..	..	..	..	..
Cagayan Valley	2.1	2.3	1.4	1.0	-	..	..	0.0	0.0	0.0
Cagayan	2.1	2.3	1.4	1.0	-	..	..	0.0	0.0	0.0
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
Central Luzon	0.7	0.7	1.5	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	0.7	0.7	1.5	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	0.2	..	..	..	..	..	..	..	..
Bukidnon	..	0.2	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	0.2	0.7	1.7	1.5	1.2	0.7	0.6	0.5	0.4	0.3
Cotabato	0.2	0.7	1.7	1.5	1.2	0.7	0.6	0.5	0.4	0.3
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mudfish										
Philippines	**9.9**	**13.7**	**14.6**	**9.1**	**7.5**	**5.2**	**3.1**	**2.9**	**2.1**	**1.7**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	4.7	4.9	4.8	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Ilocos Norte	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	0.0	..	..
Pangasinan	4.6	4.8	4.7	..	0.1	0.1	0.2	0.2	0.1	0.1
Cagayan Valley	4.5	5.5	5.2	4.9	3.0	2.2	0.9	0.9	0.9	0.6
Cagayan	2.7	3.1	2.8	2.3	1.1	0.8	0.4	0.4	0.4	0.4
Isabela	1.4	1.9	1.7	1.9	1.4	1.3	0.5	0.5	0.4	0.2
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	0.4	0.5	0.7	0.7	0.5	0.1	0.1	0.1	0.0	0.1
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	0.2	0.2	0.2	0.2	0.1	..	..	..	..	..
Bohol	0.2	0.2	0.2	0.2	0.1	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	0.2	0.3	0.0	0.0	0.0	..	0.0	0.0	0.1	..
Bukidnon	0.2	0.3	0.0	0.0	0.0	..	0.0	0.0	0.1	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	..	..	..	..	..	..
Compostela Valley	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	0.4	2.9	4.3	3.9	4.3	2.8	1.9	1.7	1.0	0.9
Cotabato	0.4	2.9	4.3	3.9	4.3	2.8	1.9	1.7	1.0	0.9
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.10.11
AQUACULTURE, SMALL FARM RESERVOIR: VOLUME OF PRODUCTION BY SPECIES AND GEOLOCATION *(concluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Others										
Philippines	**1.3**	**1.6**	**1.2**	**0.9**	**7.5**	**0.1**	**0.6**	**0.4**	**0.4**	**0.4**
NCR	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
Ilocos Region	-	-	0.0	0.0	..	..	0.1	0.1	0.1	0.2
Ilocos Norte	-	-	0.0	0.0	..	..	..	-	-	0.0
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	0.1	0.1	0.1	0.2
Cagayan Valley	1.3	1.6	1.2	0.9	0.8	0.1	0.1	0.1	0.1	0.1
Cagayan	1.3	1.6	1.1	0.6	0.7	..	0.0	0.0	0.0	0.0
Isabela	..	..	..	..	..	..	-	0.0	-	0.0
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Central Luzon	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
Bicol Region	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
Western Visayas	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
Central Visayas	..	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
Eastern Visayas	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
Zamboanga Peninsula	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
Northern Mindanao	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
Davao Region	..	..	..	..	6.8	..	0.3	..	..	..
Compostela Valley	..	..	..	..	6.8	..	0.3	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
Davao Occidental	.	.	.	.	.	.	.	.	.	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	0.1	0.2	0.2	0.1
Cotabato	..	..	..	..	..	..	0.1	0.2	0.2	0.1
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Caraga	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

. Data not available .. No reported data Total may not add up because of rounding off.
Source: Philippine Statistics Authority

Table 2.11.1
PALAY AND CORN: AREA HARVESTED BY ECOSYSTEM/CROPTYPE AND GEOLOCATION
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Palay										
PHILIPPINES	**4,354,161**	**4,536,642**	**4,690,061**	**4,746,091**	**4,739,672**	**4,656,227**	**4,556,043**	**4,811,808**	**4,800,406**	**4,651,490**
CAR	117,057	118,779	120,100	119,919	118,476	111,482	110,640	115,555	111,387	110,763
Abra	23,673	23,882	24,023	24,031	24,056	23,987	23,993	24,014	23,541	23,542
Apayao	29,281	29,376	29,429	28,942	27,566	27,552	24,950	26,245	23,312	24,398
Benguet	6,194	5,994	6,286	6,286	6,286	6,284	6,564	6,976	7,098	7,124
Ifugao	16,974	17,193	17,193	17,234	17,259	17,259	17,253	17,248	17,220	16,099
Kalinga	34,763	36,070	36,758	37,044	37,041	31,424	33,059	35,913	35,062	34,579
Mountain Province	6,172	6,264	6,411	6,382	6,268	4,976	4,821	5,159	5,154	5,021
ILOCOS REGION	394,110	392,417	403,169	406,813	412,419	412,936	412,635	411,818	405,981	407,139
Ilocos Norte	66,694	66,482	67,217	67,435	66,625	66,233	65,832	66,298	66,053	66,003
Ilocos Sur	47,661	47,744	47,786	48,175	48,390	48,361	47,860	48,343	49,004	50,155
La Union	34,228	35,758	36,396	35,575	36,772	38,255	38,304	38,810	37,919	38,363
Pangasinan	245,527	242,433	251,770	255,628	260,632	260,087	260,639	258,367	253,005	252,619
CAGAYAN VALLEY	506,351	562,806	582,557	585,294	591,660	584,119	556,884	587,097	562,018	582,883
Batanes	..	..	101	9	92	86	23	71	65	72
Cagayan	183,340	212,253	219,696	216,578	227,493	219,194	194,763	222,871	196,168	210,784
Isabela	251,064	273,032	283,149	286,618	286,319	282,903	278,001	279,291	281,326	286,574
Nueva Vizcaya	54,300	55,999	57,906	59,574	55,954	60,466	62,207	62,324	61,618	61,304
Quirino	17,647	21,522	21,705	22,515	21,802	21,470	21,890	22,540	22,841	24,149
CENTRAL LUZON	681,901	616,887	675,781	710,817	717,191	699,646	704,185	720,930	727,704	730,784
Aurora	23,252	22,885	23,081	22,100	23,136	21,972	21,559	23,839	26,456	26,218
Bataan	31,604	31,117	31,133	32,290	32,328	31,835	30,391	30,075	30,412	28,478
Bulacan	79,161	60,219	79,723	82,070	81,959	79,297	80,726	82,801	82,534	77,990
Nueva Ecija	299,844	286,821	304,189	315,376	318,284	308,446	313,448	324,042	333,177	336,330
Pampanga	84,746	68,826	84,257	90,965	91,611	90,330	91,815	92,288	91,078	91,469
Tarlac	133,424	116,734	123,255	134,864	136,445	134,086	133,780	135,075	130,935	138,872
Zambales	29,870	30,285	30,143	33,152	33,428	33,680	32,466	32,810	33,112	31,427
CALABARZON	104,124	114,186	113,010	115,518	116,568	113,066	116,768	116,348	108,650	103,207
Batangas	13,454	14,516	14,678	15,620	15,072	13,085	13,761	13,196	13,427	14,253
Cavite	11,930	12,482	11,107	11,499	11,783	11,634	10,572	9,995	10,318	8,105
Laguna	28,138	30,672	29,895	29,779	30,619	31,349	31,261	30,613	27,673	30,673
Quezon	43,260	48,544	50,918	50,445	51,021	48,901	52,920	54,044	49,851	44,183
Rizal	7,342	7,972	6,412	8,175	8,073	8,097	8,254	8,500	7,381	5,993
MIMAROPA	262,384	270,751	280,748	282,956	280,920	283,586	287,842	302,447	306,790	299,903
Marinduque	7,734	8,668	6,592	6,509	5,794	5,868	5,665	7,294	6,074	4,191
Occidental Mindoro	82,389	82,101	83,459	84,898	84,940	85,595	86,300	86,088	87,984	83,196
Oriental Mindoro	91,590	99,092	105,054	105,465	101,626	101,514	103,990	105,509	106,676	105,336
Palawan	70,548	69,973	74,762	75,544	78,204	80,507	81,898	92,713	95,062	97,044
Romblon	10,123	10,917	10,881	10,540	10,356	10,102	9,989	10,843	10,994	10,136
BICOL REGION	316,804	318,361	334,275	343,199	329,573	342,307	354,089	363,823	357,654	341,731
Albay	51,159	55,269	55,494	55,964	53,488	51,883	52,095	54,184	53,589	53,387
Camarines Norte	20,986	21,428	23,521	25,369	25,493	23,016	23,867	26,653	25,444	22,433
Camarines Sur	158,870	150,652	156,312	159,105	145,973	171,244	180,583	182,831	179,100	174,420
Catanduanes	12,240	15,152	10,924	10,339	11,498	10,663	11,635	12,349	12,133	9,945
Masbate	41,847	41,091	51,807	57,401	57,441	52,039	52,264	53,233	52,410	52,247
Sorsogon	31,702	34,769	36,217	35,021	35,680	33,462	33,645	34,573	34,978	29,300
WESTERN VISAYAS	541,253	654,185	668,810	616,273	618,727	622,315	572,755	654,803	668,861	626,701
Aklan	33,273	39,245	38,895	41,009	34,029	32,458	32,796	38,832	36,438	33,780
Antique	62,507	84,013	80,915	83,437	80,942	82,081	77,046	80,305	83,271	83,663
Capiz	107,440	111,296	112,559	100,634	95,593	94,234	92,510	104,456	114,648	97,167
Negros Occidental	116,809	123,473	125,091	122,926	124,188	126,057	118,196	124,796	126,200	126,906
Guimaras	17,788	20,281	21,815	17,476	19,706	15,531	15,377	19,864	16,193	17,342
Iloilo	203,436	275,877	289,535	250,791	264,269	271,954	236,830	286,550	292,111	267,843
CENTRAL VISAYAS	101,875	106,824	105,797	106,191	104,288	102,427	80,153	100,830	97,619	82,092
Bohol	74,958	77,841	77,226	77,757	77,130	75,260	55,406	72,589	70,117	57,400
Cebu	4,744	5,367	5,280	5,346	5,125	4,480	4,208	4,378	4,264	3,822
Negros Oriental	21,341	22,739	22,539	22,406	21,351	21,952	20,047	23,139	22,548	20,412
Siquijor	832	877	752	682	682	735	492	724	690	458
EASTERN VISAYAS	275,691	284,933	285,394	282,153	283,020	268,315	268,110	272,889	269,786	256,520
Biliran	14,880	14,845	14,814	14,807	14,791	14,791	14,769	14,383	12,383	12,291
Eastern Samar	19,837	20,388	21,054	21,373	21,519	21,401	21,430	22,587	22,496	20,851
Leyte	131,511	134,003	133,090	128,140	128,993	119,183	116,488	118,416	119,294	113,560
Northern Samar	38,183	39,636	39,664	41,047	41,106	41,094	39,746	40,596	38,497	34,392
Southern Leyte	21,895	21,725	22,074	21,945	21,867	21,767	21,461	20,945	20,804	19,239
Samar	49,385	54,336	54,698	54,841	54,744	50,079	54,216	55,962	56,312	56,187
ZAMBOANGA PENINSULA	145,070	158,424	157,888	161,721	163,096	163,636	155,291	172,388	177,540	164,939
Zamboanga del Norte	26,748	30,123	33,286	36,880	36,362	36,840	30,941	35,963	38,336	31,780
Zamboanga del Sur	70,364	74,036	72,480	73,196	75,171	75,211	73,747	84,950	85,968	81,990
Zamboanga City	6,277	7,155	7,609	7,331	7,211	7,545	7,515	7,424	7,918	6,639
Zamboanga Sibugay	41,681	47,110	44,513	44,314	44,352	44,040	43,088	44,051	45,318	44,530
NORTHERN MINDANAO	143,324	152,410	154,712	158,338	161,414	163,755	160,209	164,177	164,769	163,688
Bukidnon	80,561	87,435	88,975	92,574	94,175	96,661	94,028	98,102	98,499	98,525
Camiguin	606	637	647	658	651	653	542	592	579	503
Lanao del Norte	37,630	39,617	40,174	40,060	40,214	40,042	40,394	40,047	40,197	39,412
Misamis Occidental	18,113	18,308	18,608	18,846	20,004	20,198	19,909	19,508	19,518	19,390
Misamis Oriental	6,414	6,413	6,308	6,200	6,370	6,201	5,336	5,928	5,976	5,858
DAVAO REGION	95,901	100,683	103,993	103,294	103,822	99,220	97,789	101,131	106,550	103,139
Davao del Norte	28,826	31,558	33,150	32,781	31,354	28,526	26,895	28,375	29,288	29,241
Davao del Sur	24,974	25,896	26,215	26,377	26,550	26,460	26,675	27,029	29,203	24,814
Davao City	4,163	4,405	4,691	4,794	4,917	4,207	3,784	4,164	4,402	3,925
Davao Oriental	13,648	14,060	14,710	14,195	14,603	15,149	15,365	16,230	15,942	16,563
Davao de Oro (Compostela Valley)	24,290	24,764	25,227	25,147	26,398	24,878	25,070	25,333	27,715	27,978
Davao Occidental	..	..	..	..	..	..	..	..	..	618
SOCCSKSARGEN	329,817	343,620	345,985	350,346	346,906	339,938	315,690	351,177	348,480	324,173
Cotabato (North Cotabato)	122,487	128,360	131,110	130,205	129,452	125,606	112,398	125,868	127,130	123,547
Sarangani	14,136	14,679	14,614	14,700	14,581	14,252	13,179	13,254	12,490	11,642
South Cotabato	78,889	83,721	84,132	87,414	87,268	85,668	79,749	92,216	90,786	81,693
Sultan Kudarat	114,305	116,860	116,129	118,027	115,605	114,412	110,364	119,839	118,074	107,291
CARAGA	130,867	141,852	155,041	176,559	174,170	155,130	150,076	155,203	160,282	145,367
Agusan del Norte	20,434	22,727	23,120	27,268	27,469	23,364	25,768	23,090	22,597	22,320
Agusan del Sur	58,405	66,479	79,234	90,010	87,973	75,430	72,291	80,049	81,932	71,833
Surigao del Norte	20,427	23,054	22,601	22,959	22,093	20,642	18,869	17,592	19,685	20,440
Surigao del Sur	28,061	26,637	27,481	33,388	33,701	32,848	30,349	31,241	32,592	28,211
Dinagat Islands	3,540	2,955	2,605	2,934	2,934	2,846	2,799	3,231	3,476	2,563
BARMM	207,632	199,524	202,801	226,700	217,422	194,349	212,927	221,192	226,335	208,461
Basilan	1,888	1,453	1,547	1,817	1,546	1,201	1,070	755	999	565
Lanao del Sur	60,494	57,849	62,921	66,580	59,220	56,355	53,902	66,467	69,801	69,801
Maguindanao	142,804	138,185	136,277	156,428	154,935	135,075	156,554	152,460	154,026	136,564
Sulu	1,853	1,572	1,632	1,567	1,410	1,471	1,270	1,389	1,492	1,410
Tawi-tawi	593	465	424	308	311	247	131	121	17	121

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Dinagat Islands included in Surigao Norte up to 3rd Quarter of 2009
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.11.1
PALAY AND CORN: AREA HARVESTED BY ECOSYSTEM/CROPTYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Irrigated Palay										
PHILIPPINES	**3,008,325**	**3,072,637**	**3,163,185**	**3,236,337**	**3,253,080**	**3,233,186**	**3,181,102**	**3,295,086**	**3,286,153**	**3,262,486**
CAR	91,265	93,043	94,068	94,352	93,301	86,521	88,006	92,205	90,420	90,312
Abra	14,763	14,804	14,915	14,920	14,950	14,927	14,919	14,934	14,480	14,549
Apayao	17,140	17,319	17,372	17,358	16,267	16,270	15,968	16,877	15,933	17,522
Benguet	5,188	5,081	5,200	5,200	5,200	5,200	5,276	5,755	5,877	5,903
Ifugao	16,132	16,336	16,336	16,374	16,399	16,399	16,393	16,388	16,382	15,582
Kalinga	32,724	34,031	34,739	35,023	35,098	29,485	31,244	34,011	33,515	32,656
Mountain Province	5,318	5,472	5,506	5,477	5,387	4,240	4,206	4,240	4,233	4,100
ILOCOS REGION	260,757	263,633	273,371	279,749	285,823	285,940	285,672	285,563	281,511	282,944
Ilocos Norte	54,843	54,682	55,082	55,359	54,889	54,785	54,334	54,801	54,579	54,594
Ilocos Sur	25,101	25,394	26,511	27,925	28,261	28,164	27,972	29,516	30,362	31,513
La Union	19,850	21,453	22,259	21,570	22,571	23,993	23,988	24,462	23,629	24,079
Pangasinan	160,963	162,104	169,519	174,895	180,102	178,998	179,378	176,784	172,941	172,758
CAGAYAN VALLEY	441,583	479,036	495,501	510,338	511,873	511,196	496,531	513,601	490,883	520,980
Batanes	..	..	3	1	3	1	0	-	-	-
Cagayan	141,685	159,572	167,224	176,227	176,932	174,245	158,567	176,058	152,581	173,083
Isabela	232,438	248,420	255,278	258,780	262,366	260,535	259,444	258,309	258,909	267,100
Nueva Vizcaya	50,723	52,059	53,386	55,032	53,121	56,974	58,530	59,074	59,015	58,732
Quirino	16,737	18,985	19,610	20,298	19,451	19,441	19,990	20,160	20,378	22,065
CENTRAL LUZON	599,573	544,198	599,891	631,664	639,952	622,813	637,343	651,832	663,020	676,071
Aurora	21,695	21,436	21,476	20,579	21,780	20,624	20,273	22,157	24,834	25,162
Bataan	31,004	30,392	30,677	31,732	31,771	31,285	29,921	29,662	30,012	28,107
Bulacan	59,017	48,259	65,219	67,455	67,059	65,098	68,566	67,904	68,675	64,890
Nueva Ecija	261,034	249,571	265,802	277,185	280,756	270,509	279,075	290,864	299,996	312,510
Pampanga	81,656	65,906	81,077	87,285	87,906	86,761	90,420	90,814	89,673	91,189
Tarlac	124,353	107,494	114,365	123,214	125,830	123,587	122,859	125,631	124,536	130,610
Zambales	20,814	21,140	21,275	24,214	24,850	24,949	26,229	24,800	25,294	23,603
CALABARZON	79,494	83,111	80,120	81,415	86,191	85,094	85,333	83,337	80,651	79,656
Batangas	9,037	9,537	9,250	10,141	9,937	9,675	9,360	8,114	8,193	8,179
Cavite	10,530	10,615	9,827	10,151	10,948	10,808	9,922	9,345	9,667	7,457
Laguna	27,619	30,176	29,275	29,217	30,370	31,143	31,137	30,466	27,288	30,336
Quezon	25,366	25,386	25,770	25,773	28,508	27,008	28,280	28,767	29,104	28,606
Rizal	6,942	7,397	5,998	6,133	6,428	6,460	6,634	6,645	6,399	5,078
MIMAROPA	166,012	174,752	185,166	188,471	189,480	195,510	201,026	207,884	212,672	206,360
Marinduque	2,622	2,788	2,325	2,664	2,420	2,308	2,470	3,483	2,669	2,436
Occidental Mindoro	54,267	53,802	55,069	56,429	56,525	57,142	57,715	57,559	59,419	54,594
Oriental Mindoro	68,045	76,123	84,432	84,774	82,880	85,452	87,289	87,920	89,137	88,191
Palawan	35,906	36,236	37,632	39,221	42,431	45,565	48,503	53,413	55,802	56,063
Romblon	5,172	5,803	5,708	5,383	5,224	5,043	5,049	5,509	5,645	5,076
BICOL REGION	216,256	203,609	217,458	222,226	214,082	229,301	236,205	242,155	237,232	227,832
Albay	39,606	42,759	43,276	43,979	42,339	40,959	41,677	43,788	42,582	43,507
Camarines Norte	13,725	13,665	14,839	16,075	15,218	14,591	15,024	16,372	15,529	14,123
Camarines Sur	124,594	108,342	115,873	116,625	110,803	131,207	136,486	138,713	136,249	131,880
Catanduanes	5,488	5,909	4,782	4,992	5,361	5,164	6,011	5,635	5,758	4,678
Masbate	8,244	8,736	13,320	15,496	15,352	12,456	11,808	12,794	12,338	12,289
Sorsogon	24,599	24,198	25,368	25,059	25,009	24,924	25,199	24,853	24,776	21,356
WESTERN VISAYAS	273,564	314,768	305,588	288,187	296,174	304,733	272,262	298,831	299,736	286,907
Aklan	16,967	18,173	18,127	19,460	16,042	15,292	16,276	20,080	18,609	16,037
Antique	34,577	47,182	46,114	46,862	46,920	47,094	44,423	45,519	47,857	48,754
Capiz	29,562	28,002	27,864	25,956	29,105	31,214	29,925	31,017	31,933	28,331
Negros Occidental	81,758	83,388	83,761	82,077	82,870	84,508	79,258	84,445	85,210	85,205
Guimaras	3,392	4,271	4,707	3,077	3,665	2,938	2,808	3,507	3,317	3,584
Iloilo	107,308	133,752	125,015	110,755	117,572	123,687	99,572	114,263	112,810	104,996
CENTRAL VISAYAS	57,465	59,679	59,759	60,505	59,221	59,058	51,757	61,516	61,330	52,226
Bohol	35,386	36,828	37,167	37,592	37,728	37,205	31,429	38,613	39,346	32,426
Cebu	4,316	4,750	4,658	4,754	4,578	4,189	4,016	4,047	3,859	3,518
Negros Oriental	17,019	17,356	17,268	17,549	16,315	16,993	15,820	18,246	17,502	15,856
Siquijor	744	745	666	610	600	671	492	610	623	426
EASTERN VISAYAS	129,254	134,126	133,847	129,310	129,728	126,500	125,261	125,381	123,466	121,686
Biliran	14,672	14,688	14,688	14,688	14,689	14,689	14,679	14,359	12,383	12,291
Eastern Samar	3,269	4,584	4,845	4,953	5,003	4,951	5,002	4,997	4,880	4,898
Leyte	83,385	86,835	86,196	81,231	81,720	78,915	77,542	78,204	79,756	78,830
Northern Samar	4,506	4,320	4,029	4,317	4,338	4,327	4,450	4,472	3,176	3,231
Southern Leyte	18,680	18,598	18,955	19,039	19,004	18,997	18,975	18,796	18,675	17,731
Samar	4,742	5,101	5,134	5,082	4,974	4,621	4,613	4,553	4,596	4,705
ZAMBOANGA PENINSULA	89,362	93,712	91,163	94,776	94,564	94,551	90,697	100,378	99,123	98,039
Zamboanga del Norte	13,236	14,000	13,945	16,098	14,877	14,440	11,770	15,270	15,530	14,671
Zamboanga del Sur	56,019	57,722	54,957	56,325	57,474	57,322	56,232	61,721	58,631	59,643
Zamboanga City	4,265	4,655	5,023	4,781	4,762	5,174	5,094	4,944	5,391	4,737
Zamboanga Sibugay	15,842	17,335	17,238	17,572	17,451	17,615	17,601	18,443	19,571	18,989
NORTHERN MINDANAO	127,005	132,270	135,103	138,670	140,441	142,750	141,679	142,920	143,483	143,042
Bukidnon	72,662	76,876	78,891	81,995	82,557	84,729	83,833	84,917	85,034	85,001
Camiguin	600	626	636	647	648	649	541	592	579	503
Lanao del Norte	31,040	32,005	32,499	33,025	33,109	33,192	33,934	33,997	33,997	33,700
Misamis Occidental	16,680	16,815	17,137	17,203	18,356	18,566	18,372	17,893	18,293	18,265
Misamis Oriental	6,023	5,948	5,940	5,800	5,771	5,614	4,999	5,521	5,580	5,573
DAVAO REGION	84,309	88,219	89,539	88,939	89,243	87,977	87,063	87,350	92,322	89,923
Davao del Norte	26,524	29,099	30,329	29,775	28,259	26,250	24,813	25,858	26,737	26,624
Davao del Sur	24,492	25,366	25,705	25,712	25,872	25,812	26,118	26,002	28,043	24,814
Davao City	2,212	2,146	2,338	2,572	2,549	2,466	2,551	2,507	2,530	2,395
Davao Oriental	10,464	10,812	10,737	10,391	10,580	12,043	12,158	12,147	12,298	12,737
Davao de Oro (Compostela Valley)	20,617	20,796	20,430	20,489	21,983	21,406	21,423	20,836	22,714	23,076
Davao Occidental	..	..	..	..	..	..	..	..	..	277
SOCCSKSARGEN	257,958	263,305	263,387	270,123	266,223	263,726	249,165	276,980	273,610	257,401
Cotabato (North Cotabato)	88,071	90,093	90,148	94,337	93,600	91,561	83,517	93,011	93,620	93,054
Sarangani	9,191	9,650	9,733	10,470	10,288	10,108	9,659	9,980	9,561	9,317
South Cotabato	67,360	68,933	68,473	70,864	70,868	70,663	65,215	75,351	74,086	67,571
Sultan Kudarat	93,336	94,629	95,033	94,452	91,467	91,394	90,774	98,638	96,343	87,459
CARAGA	84,980	88,264	89,489	99,786	100,072	90,392	92,876	89,643	96,722	86,302
Agusan del Norte	14,781	16,934	17,736	21,068	20,976	17,783	20,567	18,256	17,595	18,241
Agusan del Sur	33,499	33,682	36,285	38,917	38,994	34,776	34,712	36,609	39,757	32,694
Surigao del Norte	13,999	16,132	16,298	16,409	15,649	13,911	13,707	12,301	13,841	14,494
Surigao del Sur	20,126	19,286	17,255	21,358	22,404	21,934	21,907	20,252	23,159	19,168
Dinagat Islands	2,575	2,230	1,915	2,034	2,049	1,988	1,983	2,225	2,370	1,705
BARMM	49,488	56,912	49,735	57,826	56,711	47,124	40,226	35,510	39,972	42,804
Basilan	1,103	900	1,082	1,657	1,346	991	948	596	769	460
Lanao del Sur	16,368	14,338	15,289	17,011	19,457	11,198	11,419	15,235	14,551	15,732
Maguindanao	31,967	41,604	33,274	39,058	35,908	34,845	27,789	19,599	24,562	26,502
Sulu	50	70	90	100	..	90	70	80	90	110
Tawi-tawi	..	..	..	..	..	..	..	-	-	-

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Dinagat Islands included in Surigao Norte up to 3rd Quarter of 2009
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.11.1
PALAY AND CORN: AREA HARVESTED BY ECOSYSTEM/CROPTYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfed Palay										
PHILIPPINES	**1,345,836**	**1,464,005**	**1,526,876**	**1,509,754**	**1,486,592**	**1,423,041**	**1,374,940**	**1,516,722**	**1,514,253**	**1,389,004**
CAR	25,792	25,736	26,032	25,567	25,175	24,961	22,634	23,350	20,967	20,451
Abra	8,910	9,078	9,108	9,111	9,106	9,060	9,074	9,080	9,061	8,993
Apayao	12,141	12,057	12,057	11,584	11,299	11,282	8,982	9,368	7,379	6,876
Benguet	1,006	913	1,086	1,086	1,086	1,084	1,288	1,221	1,221	1,221
Ifugao	842	857	857	860	860	860	860	860	838	517
Kalinga	2,039	2,039	2,019	2,021	1,943	1,939	1,815	1,902	1,547	1,923
Mountain Province	854	792	905	905	881	736	615	919	921	921
ILOCOS REGION	133,353	128,784	129,798	127,064	126,596	126,996	126,963	126,255	124,470	124,196
Ilocos Norte	11,851	11,800	12,135	12,076	11,736	11,448	11,498	11,497	11,474	11,409
Ilocos Sur	22,560	22,350	21,275	20,250	20,129	20,197	19,888	18,827	18,642	18,642
La Union	14,378	14,305	14,137	14,005	14,201	14,262	14,316	14,348	14,290	14,284
Pangasinan	84,564	80,329	82,251	80,733	80,530	81,089	81,261	81,583	80,064	79,861
CAGAYAN VALLEY	64,768	83,770	87,056	74,956	79,786	72,923	60,353	73,496	71,135	61,903
Batanes	..	..	98	8	88	85	23	71	65	72
Cagayan	41,655	52,681	52,472	40,351	50,561	44,949	36,196	46,813	43,587	37,701
Isabela	18,626	24,612	27,871	27,838	23,953	22,368	18,557	20,982	22,417	19,474
Nueva Vizcaya	3,577	3,940	4,520	4,542	2,833	3,492	3,677	3,250	2,603	2,572
Quirino	910	2,537	2,095	2,217	2,351	2,029	1,900	2,380	2,463	2,084
CENTRAL LUZON	82,328	72,689	75,890	79,153	77,239	76,833	66,842	69,098	64,684	54,713
Aurora	1,557	1,449	1,605	1,521	1,356	1,348	1,286	1,682	1,622	1,056
Bataan	600	725	456	558	557	550	470	413	400	371
Bulacan	20,144	11,960	14,504	14,615	14,900	14,199	12,160	14,897	13,859	13,100
Nueva Ecija	38,810	37,250	38,387	38,191	37,528	37,937	34,373	33,178	33,181	23,820
Pampanga	3,090	2,920	3,180	3,680	3,705	3,569	1,395	1,474	1,405	280
Tarlac	9,071	9,240	8,890	11,650	10,615	10,499	10,921	9,444	6,399	8,262
Zambales	9,056	9,145	8,868	8,938	8,578	8,731	6,237	8,010	7,818	7,824
CALABARZON	24,630	31,075	32,890	34,103	30,377	27,972	31,435	33,011	27,999	23,551
Batangas	4,417	4,979	5,428	5,479	5,135	3,410	4,401	5,082	5,234	6,074
Cavite	1,400	1,867	1,280	1,348	835	826	650	650	651	648
Laguna	519	496	620	562	249	206	124	147	385	337
Quezon	17,894	23,158	25,148	24,672	22,513	21,893	24,640	25,277	20,747	15,577
Rizal	400	575	414	2,042	1,645	1,637	1,620	1,855	982	915
MIMAROPA	96,372	95,999	95,582	94,485	91,440	88,076	86,816	94,563	94,118	93,543
Marinduque	5,112	5,880	4,267	3,845	3,374	3,560	3,195	3,811	3,405	1,755
Occidental Mindoro	28,122	28,299	28,390	28,469	28,415	28,453	28,585	28,529	28,565	28,602
Oriental Mindoro	23,545	22,969	20,622	20,691	18,746	16,062	16,701	17,589	17,539	17,145
Palawan	34,642	33,737	37,130	36,323	35,773	34,942	33,395	39,300	39,260	40,981
Romblon	4,951	5,114	5,173	5,157	5,132	5,059	4,940	5,334	5,349	5,060
BICOL REGION	100,548	114,752	116,817	120,973	115,491	113,006	117,884	121,668	120,422	113,899
Albay	11,553	12,510	12,218	11,985	11,149	10,924	10,418	10,396	11,007	9,880
Camarines Norte	7,261	7,763	8,682	9,294	10,275	8,425	8,843	10,281	9,915	8,310
Camarines Sur	34,276	42,310	40,439	42,480	35,170	40,037	44,097	44,118	42,851	42,540
Catanduanes	6,752	9,243	6,142	5,347	6,137	5,499	5,624	6,714	6,375	5,267
Masbate	33,603	32,355	38,487	41,905	42,089	39,583	40,456	40,439	40,072	39,958
Sorsogon	7,103	10,571	10,849	9,962	10,671	8,538	8,446	9,720	10,202	7,944
WESTERN VISAYAS	267,689	339,417	363,222	328,086	322,553	317,582	300,493	355,972	369,125	339,794
Aklan	16,306	21,072	20,768	21,549	17,987	17,166	16,520	18,752	17,829	17,743
Antique	27,930	36,831	34,801	36,575	34,022	34,987	32,623	34,786	35,414	34,909
Capiz	77,878	83,294	84,695	74,678	66,488	63,020	62,585	73,439	82,715	68,836
Negros Occidental	35,051	40,085	41,330	40,849	41,318	41,549	38,938	40,351	40,990	41,701
Guimaras	14,396	16,010	17,108	14,399	16,041	12,593	12,569	16,357	12,876	13,758
Iloilo	96,128	142,125	164,520	140,036	146,697	148,267	137,258	172,287	179,301	162,847
CENTRAL VISAYAS	44,410	47,145	46,038	45,686	45,067	43,369	28,396	39,314	36,289	29,866
Bohol	39,572	41,013	40,059	40,165	39,402	38,055	23,977	33,976	30,771	24,974
Cebu	428	617	622	592	547	291	192	331	405	304
Negros Oriental	4,322	5,383	5,271	4,857	5,036	4,959	4,227	4,893	5,046	4,556
Siquijor	88	132	86	72	82	64	..	114	67	32
EASTERN VISAYAS	146,437	150,807	151,547	152,843	153,292	141,815	142,849	147,508	146,320	134,834
Biliran	208	157	126	119	102	102	90	24	-	-
Eastern Samar	16,568	15,804	16,209	16,420	16,516	16,450	16,428	17,590	17,616	15,953
Leyte	48,126	47,168	46,894	46,909	47,273	40,268	38,946	40,212	39,538	34,730
Northern Samar	33,677	35,316	35,635	36,730	36,768	36,767	35,296	36,124	35,321	31,161
Southern Leyte	3,215	3,127	3,119	2,906	2,863	2,770	2,486	2,149	2,129	1,508
Samar	44,643	49,235	49,564	49,759	49,770	45,458	49,603	51,409	51,716	51,482
ZAMBOANGA PENINSULA	55,708	64,712	66,725	66,945	68,532	69,085	64,594	72,010	78,417	66,900
Zamboanga del Norte	13,512	16,123	19,341	20,782	21,485	22,400	19,171	20,693	22,806	17,109
Zamboanga del Sur	14,345	16,314	17,523	16,871	17,697	17,889	17,515	23,229	27,337	22,347
Zamboanga City	2,012	2,500	2,586	2,550	2,449	2,371	2,421	2,480	2,527	1,902
Zamboanga Sibugay	25,839	29,775	27,275	26,742	26,901	26,425	25,487	25,608	25,747	25,541
NORTHERN MINDANAO	16,319	20,140	19,609	19,668	20,973	21,005	18,530	21,257	21,286	20,646
Bukidnon	7,899	10,559	10,084	10,579	11,618	11,932	10,195	13,185	13,465	13,524
Camiguin	6	11	11	11	3	4	1	-	-	-
Lanao del Norte	6,590	7,612	7,675	7,035	7,105	6,850	6,460	6,050	6,200	5,712
Misamis Occidental	1,433	1,493	1,471	1,643	1,648	1,632	1,537	1,615	1,225	1,125
Misamis Oriental	391	465	368	400	599	587	337	407	396	285
DAVAO REGION	11,592	12,464	14,454	14,355	14,579	11,243	10,726	13,781	14,228	13,216
Davao del Norte	2,302	2,459	2,821	3,006	3,095	2,276	2,082	2,517	2,551	2,617
Davao del Sur	482	530	510	665	678	648	557	1,027	1,160	-
Davao City	1,951	2,259	2,353	2,222	2,368	1,741	1,233	1,657	1,872	1,530
Davao Oriental	3,184	3,248	3,973	3,804	4,023	3,106	3,207	4,083	3,644	3,826
Davao de Oro (Compostela Valley)	3,673	3,968	4,797	4,658	4,415	3,472	3,647	4,497	5,001	4,902
Davao Occidental	..	..	..	..	..	..	..	..	..	341
SOCCSKSARGEN	71,859	80,315	82,598	80,223	80,683	76,212	66,525	74,197	74,870	66,772
Cotabato (North Cotabato)	34,416	38,267	40,962	35,868	35,852	34,045	28,881	32,857	33,510	30,493
Sarangani	4,945	5,029	4,881	4,230	4,293	4,144	3,520	3,274	2,929	2,325
South Cotabato	11,529	14,788	15,659	16,550	16,400	15,005	14,534	16,865	16,700	14,122
Sultan Kudarat	20,969	22,231	21,096	23,575	24,138	23,018	19,590	21,201	21,731	19,832
CARAGA	45,887	53,588	65,552	76,773	74,098	64,738	57,200	65,560	63,560	59,065
Agusan del Norte	5,653	5,793	5,384	6,200	6,493	5,581	5,201	4,834	5,002	4,079
Agusan del Sur	24,906	32,797	42,949	51,093	48,979	40,654	37,579	43,440	42,175	39,139
Surigao del Norte	6,428	6,922	6,303	6,550	6,444	6,731	5,162	5,291	5,844	5,946
Surigao del Sur	7,935	7,351	10,226	12,030	11,297	10,914	8,442	10,989	9,433	9,043
Dinagat Islands	965	725	690	900	885	858	816	1,006	1,106	858
BARMM	158,144	142,612	153,066	168,874	160,711	147,225	172,701	185,682	186,363	165,657
Basilan	785	553	465	160	200	210	122	159	230	105
Lanao del Sur	44,126	43,511	47,632	49,569	39,763	45,157	42,483	51,232	55,250	54,069
Maguindanao	110,837	96,581	103,003	117,370	119,027	100,230	128,765	132,861	129,464	110,062
Sulu	1,803	1,502	1,542	1,467	1,410	1,381	1,200	1,309	1,402	1,300
Tawi-tawi	593	465	424	308	311	247	131	121	17	121

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Dinagat Islands included in Surigao Norte up to 3rd Quarter of 2009
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.11.1
PALAY AND CORN: AREA HARVESTED BY ECOSYSTEM/CROPTYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Corn										
PHILIPPINES	**2,499,040**	**2,544,612**	**2,593,924**	**2,563,718**	**2,611,432**	**2,561,934**	**2,484,465**	**2,552,592**	**2,511,436**	**2,516,723**
CAR	48,991	56,051	57,290	61,639	64,832	64,411	61,045	61,391	58,405	61,428
Abra	6,552	6,552	6,441	6,448	6,447	6,397	6,430	6,390	6,289	6,290
Apayao	4,014	5,343	5,812	6,739	7,200	6,748	6,595	7,040	6,225	6,553
Benguet	39	35	35	37	38	38	38	39	129	176
Ifugao	22,992	24,034	24,658	27,329	30,114	30,139	28,450	27,891	28,249	28,732
Kalinga	11,305	14,314	14,318	14,890	14,459	14,507	13,113	13,803	11,394	13,256
Mountain Province	4,089	5,773	6,026	6,196	6,574	6,582	6,419	6,228	6,119	6,421
ILOCOS REGION	75,342	77,183	82,793	84,106	87,763	87,608	89,769	94,870	95,087	96,663
Ilocos Norte	12,451	11,958	12,283	12,503	12,448	12,030	11,932	11,731	11,692	11,905
Ilocos Sur	12,408	12,853	13,452	14,303	14,613	14,704	15,233	15,861	17,419	19,470
La Union	5,053	5,496	5,479	5,870	6,542	6,563	6,261	7,411	7,159	7,220
Pangasinan	45,430	46,876	51,579	51,430	54,160	54,311	56,343	59,867	58,817	58,068
CAGAYAN VALLEY	364,723	422,095	432,465	416,823	437,729	425,965	414,449	414,792	385,660	427,751
Batanes	..	..	99	83	195	123	84	111	104	93
Cagayan	85,005	105,583	109,422	100,872	111,000	111,338	108,265	113,722	89,657	118,168
Isabela	239,052	266,924	268,758	273,141	269,266	258,424	251,639	246,278	240,194	252,963
Nueva Vizcaya	12,440	14,610	15,961	15,243	16,770	16,690	15,971	17,112	16,772	16,634
Quirino	28,226	34,978	38,225	27,484	40,498	39,390	38,490	37,569	38,933	39,893
CENTRAL LUZON	42,977	38,836	40,481	44,151	43,535	47,368	47,382	45,875	47,597	48,827
Aurora	3,983	3,003	3,890	4,010	4,416	4,540	4,836	4,347	3,867	3,834
Bataan	1,934	1,837	1,519	2,135	1,463	1,737	1,669	1,494	1,465	1,435
Bulacan	919	938	1,002	1,088	1,167	1,211	1,185	1,200	1,159	1,158
Nueva Ecija	6,064	5,987	6,403	6,968	7,102	7,952	7,648	8,248	8,384	10,366
Pampanga	11,212	10,442	10,653	11,043	10,902	11,124	11,021	10,998	11,342	11,772
Tarlac	18,720	16,467	16,853	18,528	18,212	20,445	20,580	19,293	20,515	19,624
Zambales	145	162	161	379	273	359	443	295	865	638
CALABARZON	29,687	31,858	33,080	33,906	34,518	29,185	35,084	34,803	32,662	27,906
Batangas	9,318	8,806	8,054	9,466	9,569	6,579	6,624	7,026	5,579	5,985
Cavite	1,173	1,292	1,418	1,408	1,021	1,127	831	978	1,021	881
Laguna	1,126	1,156	1,242	1,219	1,007	1,200	1,477	1,646	1,579	1,703
Quezon	17,758	20,269	21,882	21,283	22,370	19,621	25,867	24,607	23,902	18,778
Rizal	312	335	484	530	551	658	285	546	580	558
MIMAROPA	22,984	26,463	24,496	28,022	29,135	31,391	30,510	30,060	31,521	29,278
Marinduque	155	164	151	220	144	192	206	222	136	274
Occidental Mindoro	16,449	15,631	16,619	19,848	19,556	21,051	19,872	19,971	21,782	19,648
Oriental Mindoro	186	638	306	526	1,531	1,893	2,008	1,619	1,946	1,431
Palawan	5,381	9,374	6,694	6,658	7,216	7,564	7,701	7,435	6,900	7,170
Romblon	813	656	726	770	688	691	723	813	757	755
BICOL REGION	101,812	108,243	112,964	109,582	113,596	103,025	107,544	114,616	111,900	105,067
Albay	20,859	21,750	23,035	22,454	21,487	19,500	21,052	21,091	20,470	20,757
Camarines Norte	630	1,021	1,056	1,134	844	1,076	1,078	1,088	1,103	938
Camarines Sur	30,281	36,891	38,479	43,766	48,012	39,350	44,646	47,645	47,233	46,414
Catanduanes	264	289	296	355	371	453	459	1,124	923	708
Masbate	49,709	48,252	50,010	41,770	42,697	42,413	40,047	43,483	41,962	36,034
Sorsogon	69	40	88	103	185	233	262	185	209	216
WESTERN VISAYAS	112,502	122,216	122,569	123,946	124,312	120,157	107,255	109,849	107,998	108,592
Aklan	637	1,061	1,043	1,241	1,105	1,172	1,262	1,346	1,367	1,399
Antique	874	1,899	1,974	1,554	1,852	1,497	1,508	1,686	1,851	2,081
Capiz	15,899	14,800	15,722	15,849	17,105	16,763	13,979	13,565	14,892	15,363
Negros Occidental	56,589	59,810	58,872	59,698	64,080	63,100	64,899	68,920	69,394	69,806
Guimaras	690	662	521	476	552	385	377	524	826	435
Iloilo	37,813	43,984	44,437	45,128	39,618	37,240	25,230	23,808	19,668	19,508
CENTRAL VISAYAS	215,980	212,438	206,270	197,941	193,089	187,296	174,267	163,767	148,192	129,815
Bohol	14,742	13,573	13,532	13,791	13,869	13,051	12,571	12,423	11,983	11,733
Cebu	121,689	115,622	113,892	110,122	106,694	103,712	92,581	85,613	79,952	60,445
Negros Oriental	71,899	75,834	72,025	67,755	66,534	64,457	63,169	59,664	52,407	55,151
Siquijor	7,650	7,409	6,821	6,273	5,992	6,076	5,946	6,067	3,850	2,486
EASTERN VISAYAS	64,672	60,950	61,699	61,722	60,752	61,409	57,087	53,672	53,284	52,556
Biliran	582	590	596	569	569	571	571	536	492	508
Eastern Samar	247	250	250	257	267	269	193	265	267	219
Leyte	43,380	39,586	40,328	40,981	41,288	42,520	39,076	35,814	36,625	36,376
Northern Samar	8,470	8,506	8,506	8,565	8,602	8,579	8,574	8,527	7,557	7,557
Southern Leyte	5,561	5,371	5,363	4,700	4,380	3,907	3,085	2,232	1,823	1,438
Samar	6,432	6,647	6,656	6,650	5,646	5,563	5,588	6,298	6,520	6,458
ZAMBOANGA PENINSULA	142,559	132,407	134,979	125,949	130,116	131,590	145,555	141,061	142,305	118,082
Zamboanga del Norte	32,509	29,706	35,883	34,031	41,530	38,864	40,602	43,279	41,494	34,623
Zamboanga del Sur	91,792	85,914	83,447	76,362	72,292	75,941	88,062	80,490	83,293	66,319
Zamboanga City	4,534	4,774	4,951	5,298	5,329	5,169	4,866	4,828	5,567	5,369
Zamboanga Sibugay	13,724	12,013	10,698	10,258	10,965	11,616	12,025	12,464	11,951	11,771
NORTHERN MINDANAO	365,955	364,059	376,800	372,565	374,646	377,040	370,806	374,515	370,541	376,141
Bukidnon	188,994	186,004	192,100	189,589	187,999	190,752	187,240	192,380	193,194	195,465
Camiguin	416	481	487	457	440	412	328	347	349	320
Lanao del Norte	103,499	104,052	106,666	106,990	107,609	107,767	108,971	108,948	106,297	109,874
Misamis Occidental	24,547	23,658	26,195	25,630	27,438	28,077	28,301	28,710	28,071	28,010
Misamis Oriental	48,499	49,864	51,352	49,899	51,160	50,032	45,966	44,130	42,630	42,472
DAVAO REGION	153,282	149,081	146,077	159,378	169,306	154,398	154,584	165,636	172,924	165,046
Davao del Norte	17,223	15,933	15,537	15,172	16,785	14,568	14,551	16,082	16,518	16,517
Davao del Sur	47,664	45,343	47,677	57,316	59,082	54,941	55,575	59,660	61,997	27,939
Davao City	9,444	10,493	10,378	11,949	12,632	12,031	11,367	11,960	12,499	11,624
Davao Oriental	44,303	43,624	40,702	46,018	45,533	39,190	42,524	43,869	44,874	44,866
Davao de Oro (Compostela Valley)	34,648	33,688	31,783	28,923	35,274	33,668	30,567	34,065	37,036	37,901
Davao Occidental	..	..	..	..	..	..	..	..	..	26,199
SOCCSKSARGEN	405,644	427,050	429,319	430,007	428,556	416,400	383,266	413,649	406,165	396,807
Cotabato (North Cotabato)	119,611	131,407	129,908	130,053	130,699	125,695	108,820	111,946	113,022	109,160
Sarangani	68,827	70,966	70,883	70,291	68,442	67,129	62,294	64,888	64,550	61,241
South Cotabato	137,983	141,594	144,200	146,082	148,367	143,191	132,652	150,501	145,850	141,862
Sultan Kudarat	79,223	83,083	84,328	83,581	81,048	80,385	79,500	86,314	82,743	84,544
CARAGA	39,601	31,554	33,830	38,017	41,957	42,396	44,705	34,034	36,699	37,817
Agusan del Norte	4,594	4,473	4,428	5,608	6,078	5,768	7,196	5,242	4,667	2,779
Agusan del Sur	29,438	22,743	24,419	26,053	29,674	31,055	31,856	23,616	26,262	29,299
Surigao del Norte	993	653	497	630	798	768	595	560	650	772
Surigao del Sur	4,566	3,678	4,473	5,710	5,372	4,725	4,943	4,474	4,964	4,848
Dinagat Islands	10	7	13	16	35	80	115	142	156	119
BARMM	312,329	284,128	298,812	275,964	277,590	282,295	261,157	300,002	310,497	334,948
Basilan	681	536	509	285	255	275	250	267	300	123
Lanao del Sur	114,353	107,527	114,507	113,536	103,293	107,111	106,067	127,906	127,274	155,443
Maguindanao	194,134	173,348	181,525	160,058	172,032	172,852	152,942	169,886	181,097	177,175
Sulu	1,389	1,299	1,129	1,133	1,236	1,256	1,305	1,319	1,405	1,318
Tawi-tawi	1,772	1,418	1,142	952	774	801	593	624	421	889

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Dinagat Islands included in Surigao Norte up to 3rd Quarter of 2009
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.11.1
PALAY AND CORN: AREA HARVESTED BY ECOSYSTEM/CROPTYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White Corn										
PHILIPPINES	**1,338,943**	**1,283,701**	**1,311,619**	**1,278,635**	**1,290,213**	**1,265,494**	**1,174,038**	**1,174,134**	**1,153,744**	**1,101,270**
CAR	8,350	8,538	8,437	8,413	8,368	8,125	7,497	7,198	6,696	6,465
Abra	6,332	6,342	6,241	6,250	6,249	6,199	6,232	6,192	6,091	6,092
Apayao	323	486	368	340	328	316	307	310	304	173
Benguet	34	32	32	34	35	35	30	30	19	38
Ifugao	650	583	733	733	733	733	311	90	120	30
Kalinga	725	849	760	770	770	770	571	471	130	113
Mountain Province	286	246	303	286	253	72	46	105	32	19
ILOCOS REGION	15,825	16,410	15,863	15,764	15,135	14,218	13,389	13,159	12,461	11,551
Ilocos Norte	4,897	4,607	4,611	4,905	4,399	3,968	3,779	3,503	3,197	3,348
Ilocos Sur	2,855	2,819	2,789	3,338	3,215	2,930	2,832	3,055	3,144	3,211
La Union	2,519	2,553	2,147	2,239	2,627	2,556	2,105	2,287	2,010	1,978
Pangasinan	5,554	6,431	6,316	5,282	4,894	4,764	4,673	4,314	4,110	3,014
CAGAYAN VALLEY	24,442	24,619	23,911	22,261	20,302	18,215	16,426	11,546	12,095	11,767
Batanes	..	..	38	29	63	45	28	35	31	29
Cagayan	10,988	12,526	13,324	13,720	12,366	11,424	10,125	6,075	4,862	5,406
Isabela	12,030	10,154	9,008	7,051	6,252	5,237	4,907	4,086	6,033	4,838
Nueva Vizcaya	1,244	1,624	1,336	1,326	1,428	1,302	1,124	798	691	697
Quirino	180	315	205	135	193	207	242	552	478	797
CENTRAL LUZON	10,673	9,910	10,309	11,534	11,149	11,465	11,237	11,681	12,300	12,145
Aurora	603	367	500	556	774	942	933	914	890	721
Bataan	561	507	383	535	420	471	493	446	436	439
Bulacan	896	917	981	1,067	1,146	1,154	1,158	1,200	1,159	1,158
Nueva Ecija	5,041	4,943	5,177	5,094	5,179	5,098	5,069	5,570	5,672	6,060
Pampanga	3,127	2,643	2,807	2,927	2,827	2,883	2,610	2,672	2,861	2,811
Tarlac	360	446	377	1,182	669	669	779	760	708	706
Zambales	85	87	84	173	134	248	195	119	574	250
CALABARZON	18,789	19,104	19,640	20,177	18,408	15,956	17,744	17,632	15,717	14,181
Batangas	7,918	7,724	6,467	7,845	7,845	5,537	5,508	6,434	4,585	5,196
Cavite	644	878	897	882	504	639	690	748	763	768
Laguna	1,009	999	1,076	1,018	797	686	1,060	1,245	1,151	1,285
Quezon	9,084	9,341	10,864	10,080	8,899	8,637	10,324	8,967	9,051	6,628
Rizal	134	162	336	352	363	457	162	238	166	303
MIMAROPA	6,431	7,277	6,698	7,396	7,697	7,393	7,479	7,357	6,675	6,894
Marinduque	145	164	151	220	144	143	189	177	94	229
Occidental Mindoro	3,371	3,108	3,003	3,470	3,290	3,371	3,334	3,325	3,314	3,279
Oriental Mindoro	101	100	38	77	230	305	300	210	362	289
Palawan	2,039	3,284	2,795	2,859	3,345	2,893	2,966	2,930	2,281	2,408
Romblon	775	621	711	770	688	681	690	715	624	689
BICOL REGION	55,873	56,249	57,986	49,832	52,378	52,708	50,371	55,715	54,499	48,034
Albay	2,908	2,920	2,778	2,841	3,192	3,344	4,181	4,169	3,941	4,075
Camarines Norte	530	850	888	965	708	910	905	914	928	764
Camarines Sur	3,272	4,216	4,139	4,588	5,959	6,158	5,321	6,906	7,480	7,135
Catanduanes	199	211	191	231	241	299	299	739	613	489
Masbate	48,920	48,022	49,930	41,135	42,150	41,898	39,495	42,862	41,406	35,433
Sorsogon	44	30	60	72	128	99	170	125	131	138
WESTERN VISAYAS	43,980	48,944	47,823	49,390	51,059	49,806	8,487	50,215	48,685	47,064
Aklan	170	142	297	484	383	390	320	295	345	360
Antique	276	449	474	387	435	388	347	364	395	428
Capiz	383	302	401	320	876	476	392	445	471	488
Negros Occidental	33,665	35,620	33,072	34,196	37,780	38,030	39,980	42,840	42,234	40,943
Guimaras	411	541	463	391	412	299	218	372	341	306
Iloilo	9,075	11,890	13,116	13,612	11,173	10,223	7,210	5,899	4,899	4,539
CENTRAL VISAYAS	215,342	211,863	205,919	196,995	192,422	186,858	173,691	163,086	147,309	129,163
Bohol	14,659	13,520	13,492	13,641	13,672	13,046	12,569	12,408	11,931	11,644
Cebu	121,291	115,307	113,722	109,662	106,505	103,503	92,304	85,185	79,529	60,155
Negros Oriental	71,767	75,652	71,906	67,498	66,254	64,236	62,872	59,426	51,999	54,878
Siquijor	7,625	7,384	6,799	6,194	5,991	6,073	5,946	6,067	3,850	2,486
EASTERN VISAYAS	57,439	53,750	54,421	54,530	53,497	54,161	50,026	48,594	49,044	48,628
Biliran	426	429	434	407	407	409	409	379	367	381
Eastern Samar	137	134	135	141	146	146	112	151	153	132
Leyte	39,032	35,299	35,965	36,661	36,856	38,047	34,729	33,244	34,579	34,521
Northern Samar	6,705	6,723	6,723	6,773	6,797	6,805	6,800	6,980	6,350	6,395
Southern Leyte	5,226	5,043	5,030	4,431	4,121	3,653	2,869	2,058	1,655	1,302
Samar	5,913	6,122	6,134	6,117	5,170	5,101	5,107	5,782	5,940	5,897
ZAMBOANGA PENINSULA	131,786	116,766	122,390	116,110	121,492	121,659	135,856	129,975	129,733	107,184
Zamboanga del Norte	31,000	28,088	35,446	33,497	40,983	38,024	39,658	42,218	39,089	32,923
Zamboanga del Sur	84,614	74,297	74,173	69,768	66,852	69,662	81,734	73,541	75,828	60,240
Zamboanga City	3,082	2,899	2,778	3,197	3,317	2,970	2,973	2,965	3,856	3,179
Zamboanga Sibugay	13,090	11,482	9,993	9,648	10,340	11,003	11,491	11,251	10,960	10,842
NORTHERN MINDANAO	188,112	177,031	193,516	192,392	201,839	201,588	204,734	200,347	195,479	199,350
Bukidnon	27,973	22,363	27,546	31,221	37,869	37,359	43,562	41,545	41,659	42,014
Camiguin	385	431	431	407	383	344	271	271	272	248
Lanao del Norte	97,559	93,235	101,905	99,080	99,397	99,021	98,969	98,878	95,458	98,687
Misamis Occidental	23,391	22,764	25,182	24,609	26,330	27,030	27,212	27,605	26,956	26,890
Misamis Oriental	38,804	38,238	38,452	37,075	37,860	37,834	34,720	32,048	31,134	31,511
DAVAO REGION	139,643	135,161	131,489	138,340	146,983	136,782	136,381	144,918	148,770	142,549
Davao del Norte	12,947	11,398	11,672	10,532	11,843	10,400	10,512	10,928	11,322	11,401
Davao del Sur	46,834	43,090	44,567	48,392	51,453	49,603	49,576	53,095	55,049	24,039
Davao City	8,180	9,376	9,025	10,469	10,386	10,322	9,707	10,379	11,024	9,946
Davao Oriental	42,721	42,922	40,224	44,733	44,632	38,413	41,559	42,556	43,945	43,980
Davao de Oro (Compostela Valley)	28,961	28,375	26,001	24,214	28,669	28,044	25,027	27,960	27,430	29,423
Davao Occidental	..	..	..	..	..	..	..	..	..	23,760
SOCCSKSARGEN	140,535	136,648	130,601	133,318	130,093	121,494	112,497	118,732	116,702	114,847
Cotabato (North Cotabato)	42,169	36,177	31,017	29,862	30,936	26,804	25,547	26,044	25,027	23,640
Sarangani	43,927	44,506	45,024	44,405	42,195	42,208	37,553	38,786	38,317	35,676
South Cotabato	29,486	30,726	30,270	32,777	32,362	29,341	26,679	29,436	28,999	32,184
Sultan Kudarat	24,953	25,239	24,290	26,274	24,600	23,141	22,718	24,466	24,359	23,347
CARAGA	28,902	22,007	24,174	27,632	28,482	29,562	28,998	19,063	20,125	20,865
Agusan del Norte	3,317	3,107	3,883	4,763	5,110	4,572	4,795	3,295	2,530	1,741
Agusan del Sur	20,816	14,977	16,198	17,429	18,420	20,112	19,130	12,701	14,310	15,643
Surigao del Norte	723	483	337	374	420	428	435	415	486	550
Surigao del Sur	4,036	3,433	3,743	5,050	4,522	4,375	4,543	2,540	2,680	2,839
Dinagat Islands	10	7	13	16	10	75	95	112	119	92
BARMM	252,821	239,424	258,442	234,551	230,909	235,504	159,245	174,916	177,455	180,584
Basilan	681	536	509	285	255	275	250	267	300	123
Lanao del Sur	100,795	87,336	97,649	94,223	85,382	88,380	87,492	97,087	97,306	114,154
Maguindanao	148,184	148,835	158,013	137,958	143,262	144,792	69,605	75,619	78,023	64,100
Sulu	1,389	1,299	1,129	1,133	1,236	1,256	1,305	1,319	1,405	1,318
Tawi-tawi	1,772	1,418	1,142	952	774	801	593	624	421	889

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Dinagat Islands included in Surigao Norte up to 3rd Quarter of 2009
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.11.1
PALAY AND CORN: AREA HARVESTED BY ECOSYSTEM/CROPTYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Yellow Corn										
PHILIPPINES	**1,160,097**	**1,260,911**	**1,282,304**	**1,285,083**	**1,321,219**	**1,296,440**	**1,310,427**	**1,378,459**	**1,357,692**	**1,415,453**
CAR	40,641	47,513	48,853	53,226	56,464	56,286	53,548	54,193	51,709	54,963
Abra	220	210	200	198	198	198	198	198	198	198
Apayao	3,691	4,857	5,444	6,399	6,872	6,432	6,288	6,730	5,921	6,380
Benguet	5	3	3	3	3	3	8	9	110	138
Ifugao	22,342	23,451	23,925	26,596	29,381	29,406	28,139	27,801	28,129	28,702
Kalinga	10,580	13,465	13,558	14,120	13,689	13,737	12,542	13,332	11,264	13,143
Mountain Province	3,803	5,527	5,723	5,910	6,321	6,510	6,373	6,123	6,087	6,402
ILOCOS REGION	59,517	60,773	66,930	68,342	72,628	73,390	76,380	81,711	82,626	85,112
Ilocos Norte	7,554	7,351	7,672	7,598	8,049	8,062	8,153	8,228	8,495	8,557
Ilocos Sur	9,553	10,034	10,663	10,965	11,398	11,774	12,401	12,806	14,275	16,259
La Union	2,534	2,943	3,332	3,631	3,915	4,007	4,156	5,124	5,149	5,242
Pangasinan	39,876	40,445	45,263	46,148	49,266	49,547	51,670	55,553	54,707	55,054
CAGAYAN VALLEY	340,281	397,476	408,553	394,562	417,427	407,750	398,023	403,247	373,566	415,984
Batanes	..	..	60	54	132	78	56	77	74	64
Cagayan	74,017	93,057	96,098	87,152	98,634	99,914	98,140	107,647	84,795	112,762
Isabela	227,022	256,770	259,750	266,090	263,014	253,187	246,732	242,192	234,161	248,125
Nueva Vizcaya	11,196	12,986	14,625	13,917	15,342	15,388	14,847	16,314	16,081	15,937
Quirino	28,046	34,663	38,020	27,349	40,305	39,183	38,248	37,017	38,455	39,096
CENTRAL LUZON	32,304	28,926	30,172	32,617	32,386	35,903	36,145	34,194	35,297	36,682
Aurora	3,380	2,636	3,390	3,454	3,642	3,598	3,903	3,433	2,977	3,113
Bataan	1,373	1,330	1,136	1,600	1,043	1,266	1,176	1,048	1,029	996
Bulacan	23	21	21	21	21	57	27	-	-	-
Nueva Ecija	1,023	1,044	1,226	1,874	1,923	2,854	2,579	2,678	2,712	4,306
Pampanga	8,085	7,799	7,846	8,116	8,075	8,241	8,411	8,326	8,481	8,961
Tarlac	18,360	16,021	16,476	17,346	17,543	19,776	19,801	18,533	19,807	18,918
Zambales	60	75	77	206	139	111	248	176	291	388
CALABARZON	10,898	12,754	13,440	13,729	16,110	13,229	17,340	17,171	16,945	13,725
Batangas	1,400	1,082	1,587	1,621	1,724	1,042	1,116	592	994	789
Cavite	529	414	521	526	517	488	141	230	258	113
Laguna	117	157	166	201	210	514	417	401	428	418
Quezon	8,674	10,928	11,018	11,203	13,471	10,984	15,543	15,640	14,851	12,150
Rizal	178	173	148	178	188	201	123	308	414	255
MIMAROPA	16,553	19,186	17,798	20,626	21,438	23,998	23,031	22,703	24,846	22,384
Marinduque	10	..	..	..	..	49	17	45	42	45
Occidental Mindoro	13,078	12,523	13,616	16,378	16,266	17,680	16,538	16,646	18,468	16,369
Oriental Mindoro	85	538	268	449	1,301	1,588	1,708	1,409	1,584	1,142
Palawan	3,342	6,090	3,899	3,799	3,871	4,671	4,735	4,505	4,619	4,762
Romblon	38	35	15	..	..	10	33	98	133	66
BICOL REGION)	45,939	51,994	54,978	59,750	61,218	50,317	57,173	58,901	57,401	57,033
Albay	17,951	18,830	20,257	19,613	18,295	16,156	16,871	16,922	16,529	16,682
Camarines Norte	100	171	168	169	136	166	173	174	175	174
Camarines Sur	27,009	32,675	34,340	39,178	42,053	33,192	39,325	40,739	39,753	39,279
Catanduanes	65	78	105	124	130	154	160	385	310	219
Masbate	789	230	80	635	547	515	552	621	556	601
Sorsogon	25	10	28	31	57	134	92	60	78	78
WESTERN VISAYAS	68,522	73,272	74,746	74,556	73,253	70,351	58,788	59,634	59,313	61,528
Aklan	467	919	746	757	722	782	942	1,051	1,022	1,039
Antique	598	1,450	1,500	1,167	1,417	1,109	1,161	1,322	1,456	1,653
Capiz	15,516	14,498	15,321	15,529	16,229	16,287	13,587	13,120	14,421	14,875
Negros Occidental	22,924	24,190	25,800	25,502	26,300	25,070	24,919	26,080	27,160	28,863
Guimaras	279	121	58	85	140	86	159	152	485	129
Iloilo	28,738	32,094	31,321	31,516	28,445	27,017	18,020	17,909	14,769	14,969
CENTRAL VISAYAS	638	575	351	946	667	438	576	681	883	652
Bohol	83	53	40	150	197	5	2	15	52	89
Cebu	398	315	170	460	189	209	277	428	423	290
Negros Oriental	132	182	119	257	280	221	297	238	408	273
Siquijor	25	25	22	79	1	3	..	-	-	-
EASTERN VISAYAS	7,233	7,200	7,278	7,192	7,255	7,248	7,061	5,078	4,240	3,928
Biliran	156	161	162	162	162	162	162	157	125	127
Eastern Samar	110	116	115	116	121	123	81	114	114	87
Leyte	4,348	4,287	4,363	4,320	4,432	4,473	4,347	2,570	2,046	1,855
Northern Samar	1,765	1,783	1,783	1,792	1,805	1,774	1,774	1,547	1,207	1,162
Southern Leyte	335	328	333	269	259	254	216	174	168	136
Samar	519	525	522	533	476	462	481	516	580	561
ZAMBOANGA PENINSULA	10,773	15,641	12,589	9,839	8,624	9,931	9,699	11,086	12,572	10,897
Zamboanga del Norte	1,509	1,618	437	534	547	840	944	1,061	2,405	1,700
Zamboanga del Sur	7,178	11,617	9,274	6,594	5,440	6,279	6,328	6,949	7,465	6,078
Zamboanga City	1,452	1,875	2,173	2,101	2,012	2,199	1,893	1,863	1,711	2,190
Zamboanga Sibugay	634	531	705	610	625	613	534	1,213	991	929
NORTHERN MINDANAO	177,843	187,028	183,284	180,173	172,807	175,452	166,072	174,168	175,062	176,791
Bukidnon	161,021	163,641	164,554	158,368	150,130	153,393	143,678	150,835	151,535	153,451
Camiguin	31	50	56	50	57	68	57	76	77	72
Lanao del Norte	5,940	10,817	4,761	7,910	8,212	8,746	10,002	10,070	10,839	11,187
Misamis Occidental	1,156	894	1,013	1,021	1,108	1,047	1,089	1,105	1,115	1,120
Misamis Oriental	9,695	11,626	12,900	12,824	13,300	12,198	11,246	12,082	11,496	10,961
DAVAO REGION	13,639	13,920	14,588	21,038	22,323	17,616	18,203	20,718	24,154	22,497
Davao del Norte	4,276	4,535	3,865	4,640	4,942	4,168	4,039	5,154	5,196	5,116
Davao del Sur	830	2,253	3,110	8,924	7,629	5,338	5,999	6,565	6,948	3,900
Davao City	1,264	1,117	1,353	1,480	2,246	1,709	1,660	1,581	1,475	1,678
Davao Oriental	1,582	702	478	1,285	901	777	965	1,313	929	886
Davao de Oro (Compostela Valley)	5,687	5,313	5,782	4,709	6,605	5,624	5,540	6,105	9,606	8,478
Davao Occidental	..	..	..	..	..	..	..	..	..	2,439
SOCCSKSARGEN	265,109	290,402	298,718	296,689	298,463	294,906	270,769	294,917	289,463	281,960
Cotabato (North Cotabato)	77,442	95,230	98,891	100,191	99,763	98,891	83,273	85,902	87,995	85,520
Sarangani	24,900	26,460	25,859	25,886	26,247	24,921	24,741	26,102	26,233	25,565
South Cotabato	108,497	110,868	113,930	113,305	116,005	113,850	105,973	121,065	116,851	109,678
Sultan Kudarat	54,270	57,844	60,038	57,307	56,448	57,244	56,782	61,848	58,384	61,197
CARAGA	10,699	9,547	9,656	10,385	13,475	12,834	15,707	14,971	16,574	16,952
Agusan del Norte	1,277	1,366	545	845	968	1,196	2,401	1,947	2,137	1,038
Agusan del Sur	8,622	7,766	8,221	8,624	11,254	10,943	12,726	10,915	11,952	13,656
Surigao del Norte	270	170	160	256	378	340	160	145	164	222
Surigao del Sur	530	245	730	660	850	350	400	1,934	2,284	2,009
Dinagat Islands	..	..	..	..	25	5	20	30	37	27
BARMM	59,508	44,704	40,370	41,413	46,681	46,791	101,912	125,086	133,042	154,364
Basilan	..	..	..	..	..	..	..	-	-	-
Lanao del Sur	13,558	20,191	16,858	19,313	17,911	18,731	18,575	30,819	29,968	41,289
Maguindanao	45,950	24,513	23,512	22,100	28,770	28,060	83,337	94,267	103,074	113,075
Sulu	..	..	..	..	..	..	..	-	-	-
Tawi-tawi	..	..	..	..	..	..	..	-	-	-

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Dinagat Islands included in Surigao Norte up to 3rd Quarter of 2009
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Abaca										
PHILIPPINES	**135,090**	**138,991**	**138,523**	**138,369**	**134,773**	**134,194**	**134,427**	**132,463**	**132,251**	**132,370**
CAR	579	579	550	499	481	430	249	249	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	579	579	550	499	481	430	249	249	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	520	529	534	543	600	605	625	694	694	697
Aurora	520	529	534	543	600	605	625	694	694	697
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	251	345	352	331	331	331	354	354	362	364
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	58	58	58	58	58	58	58	58	66	68
Quezon	172	266	273	273	273	273	296	296	296	296
Rizal	21	21	21	..	..	..	..	..	..	..
MIMAROPA	1,183	1,369	1,409	1,434	1,424	1,422	1,307	1,312	1,123	1,123
Marinduque	71	71	71	71	61	50	50	44	45	45
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	692	698	698	723	723	732	617	628	628	628
Palawan	420	600	640	640	640	640	640	640	450	450
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	41,748	42,864	42,171	44,509	45,254	45,254	45,254	43,225	43,280	43,160
Albay	5,300	5,300	5,400	5,500	5,500	5,500	5,500	4,815	4,815	4,850
Camarines Norte	1,023	1,010	1,025	1,025	1,025	1,025	1,025	1,025	1,092	1,132
Camarines Sur	6,679	6,679	6,712	6,712	6,712	6,712	6,712	6,712	6,700	6,698
Catanduanes	22,384	22,384	22,384	24,622	25,367	25,367	25,367	24,023	24,023	25,113
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	6,362	7,491	6,650	6,650	6,650	6,650	6,650	6,650	6,650	5,367
WESTERN VISAYAS	3,903	6,562	6,567	6,530	6,334	6,711	6,782	6,831	6,802	6,802
Aklan	1,546	4,208	4,208	4,208	4,016	4,336	4,377	4,377	4,377	4,377
Antique	940	920	915	895	860	870	870	914	878	878
Capiz	175	175	185	185	210	210	240	245	247	247
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	1,213	1,230	1,230	1,213	1,213	1,225	1,225	1,225	1,230	1,230
Negros Occidental	29	29	29	29	35	70	70	70	70	70
CENTRAL VISAYAS	3,097	3,338	3,338	3,325	3,269	3,259	3,259	3,145	3,085	3,085
Bohol	187	187	187	174	114	114	114	..	..	..
Cebu	170	190	190	190	195	195	195	195	195	195
Negros Oriental	2,740	2,961	2,961	2,961	2,960	2,950	2,950	2,950	2,890	2,890
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	40,602	39,513	37,780	36,237	31,601	30,499	30,919	30,698	30,325	30,319
Biliran	1,612	1,613	1,614	1,618	1,452	1,452	1,455	1,460	1,460	1,450
Eastern Samar	2,929	2,875	2,875	2,875	1,875	1,254	1,254	1,000	500	500
Leyte	14,900	13,860	13,020	11,970	8,670	8,200	8,250	8,250	8,250	8,250
Northern Samar	12,033	12,033	12,033	12,033	12,033	12,033	12,030	12,040	12,040	12,040
Samar (Western Samar)	2,128	2,128	2,128	2,120	1,950	1,950	1,950	1,950	1,950	1,954
Southern Leyte	7,000	7,004	6,110	5,621	5,621	5,610	5,980	5,998	6,125	6,125
ZAMBOANGA PENINSULA	1,932	1,948	1,955	1,965	1,997	1,973	1,988	1,996	1,999	2,187
Zamboanga del Norte	894	907	907	910	910	915	915	925	925	926
Zamboanga del Sur	305	308	310	315	317	318	318	318	318	318
Zamboanga Sibugay	538	538	538	420	420	390	390	388	388	537
City of Zamboanga	195	195	200	320	350	350	365	365	368	406
NORTHERN MINDANAO	4,834	4,816	5,376	5,381	5,194	5,196	5,195	5,280	5,197	5,106
Bukidnon	3,090	3,100	3,100	3,105	3,108	3,110	3,110	3,110	3,110	3,110
Camiguin	50	30	30	30	30	30	29	29	28	28
Lanao del Norte	640	642	842	842	642	642	642	642	642	645
Misamis Occidental	654	644	644	644	649	649	649	649	649	555
Misamis Oriental	400	400	760	760	765	765	765	850	768	768
DAVAO REGION	12,166	13,544	14,624	13,187	13,808	13,929	13,925	14,083	14,092	14,200
Davao del Norte	118	134	142	130	137	143	137	134	130	122
Davao del Sur	4,598	5,756	6,845	6,245	6,248	6,335	6,335	6,341	6,342	666
City of Davao	20	19	20	21	21	35	25	50	52	80
Davao Oriental	6,980	7,185	7,167	6,422	6,972	6,981	6,993	6,998	6,998	7,003
Davao de Oro (Compostela Valley)	450	450	450	369	430	435	435	560	570	572
Davao Occidental	..	..	..	..	..	..	..	..	..	5,757
SOCCSKSARGEN	4,582	4,615	5,899	5,924	6,002	6,018	6,003	6,028	6,237	6,241
North Cotabato	45	35	53	65	72	82	65	65	60	65
Sarangani	1,581	1,582	1,585	1,600	1,650	1,655	1,650	1,660	1,875	1,875
Sultan Kudarat	11	9	6	4	4	5	12	11	10	10
South Cotabato	2,945	2,989	4,255	4,255	4,276	4,276	4,276	4,292	4,292	4,291
CARAGA	11,780	10,949	9,911	10,437	10,447	10,477	10,482	10,482	10,995	11,040
Agusan del Norte	3,250	2,500	1,625	1,620	1,630	1,630	1,635	1,635	1,638	1,638
Agusan del Sur	3,230	3,229	3,186	3,236	3,236	3,266	3,266	3,266	3,276	3,321
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	300	220	100	81	81	81	81	81	81	81
Surigao del Sur	5,000	5,000	5,000	5,500	5,500	5,500	5,500	5,500	6,000	6,000
ARMM	7,913	8,020	8,057	8,067	8,031	8,091	8,086	8,086	8,061	8,046
Basilan	241	241	241	241	200	150	150	150	120	100
Lanao del Sur	2,460	2,460	2,460	2,475	2,475	2,570	2,570	2,570	2,575	2,580
Maguindanao	104	103	100	95	90	90	85	85	85	85
Sulu	5,102	5,210	5,250	5,250	5,260	5,275	5,275	5,275	5,275	5,275
Tawi-tawi	6	6	6	6	6	6	6	6	6	6

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cacao										
PHILIPPINES	**9,462**	**9,582**	**9,339**	**9,431**	**12,035**	**13,911**	**14,816**	**18,264**	**27,133**	**30,257**
CAR	27	29	31	40	52	52	57	50	51	51
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	12	12	15	20	30	30	30	23	23	23
Benguet	12	12	11	10	10	10	10	10	10	10
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	3	5	5	10	10	10	15	15	15	15
Mountain Province	..	..	..	..	2	2	2	2	3	3
ILOCOS REGION	73	70	69	70	96	134	140	141	141	143
Ilocos Norte	6	6	6	7	25	30	30	30	30	30
Ilocos Sur	18	18	18	18	25	25	30	30	30	30
La Union	17	17	17	17	17	16	17	17	17	19
Pangasinan	32	29	28	28	29	63	63	64	64	64
CAGAYAN VALLEY	222	220	297	521	521	526	569	657	712	724
Batanes	..	..	1	1	1	1	1	1	1	1
Cagayan	125	125	196	383	383	388	428	514	514	535
Isabela	74	72	77	106	106	106	106	106	126	108
Nueva Vizcaya	15	15	15	23	23	23	25	27	32	35
Quirino	8	8	8	8	8	8	9	9	39	45
CENTRAL LUZON	32	36	38	41	43	143	187	179	189	199
Aurora	29	33	35	38	40	90	160	160	170	180
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	3	3	3	3	3	3	3	3	3	3
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	50	24	16	16	16
CALABARZON	330	328	328	331	331	336	438	444	450	458
Batangas	10	8	8	8	8	8	8	10	12	12
Cavite	120	120	120	120	120	125	127	129	129	129
Laguna	10	10	10	13	13	13	20	22	23	24
Quezon	190	190	190	190	190	190	283	283	283	283
Rizal	..	..	..	..	..	..	..	..	3	10
MIMAROPA	90	95	94	99	127	109	114	122	171	265
Marinduque	2	2	2	2	2	2	2	2	2	2
Occidental Mindoro	..	..	..	..	..	..	4	9	9	9
Oriental Mindoro	21	20	19	17	39	22	22	22	22	26
Palawan	56	62	62	69	75	75	77	80	130	220
Romblon	11	11	11	11	10	10	9	9	8	8
BICOL REGION	284	283	285	287	287	272	273	275	276	281
Albay	85	85	85	85	85	85	85	85	85	90
Camarines Norte	11	10	10	10	10	10	10	10	10	10
Camarines Sur	40	40	40	42	42	42	43	42	43	43
Catanduanes	3	3	3	3	3	3	3	3	3	3
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	145	145	147	147	147	132	132	135	135	135
WESTERN VISAYAS	114	113	113	126	117	116	128	129	152	155
Aklan	34	34	33	33	11	11	11	11	11	11
Antique	9	8	7	7	7	6	6	6	6	6
Capiz	21	21	21	21	19	19	21	22	30	32
Guimaras	3	3	3	5	5	5	15	15	20	21
Iloilo	22	22	25	35	50	50	50	50	60	60
Negros Occidental	25	25	25	25	25	25	25	25	25	25
CENTRAL VISAYAS	149	149	168	182	185	197	236	238	265	270
Bohol	63	63	63	63	63	65	95	95	105	105
Cebu	32	32	33	35	38	38	42	42	50	50
Negros Oriental	40	40	58	70	70	80	85	87	95	100
Siquijor	14	14	14	14	14	14	14	14	15	15
EASTERN VISAYAS	362	339	334	322	254	253	257	255	253	263
Biliran	55	50	49	48	39	40	41	42	42	45
Eastern Samar	35	35	35	35	30	30	30	30	25	25
Leyte	60	57	56	55	39	37	40	41	41	41
Northern Samar	97	97	97	97	97	97	95	95	98	100
Samar (Western Samar)	15	15	15	15	14	14	16	14	14	18
Southern Leyte	100	85	82	72	35	35	35	33	33	34
ZAMBOANGA PENINSULA	425	394	359	348	340	530	603	641	703	1,387
Zamboanga del Norte	224	224	225	225	225	400	465	499	560	1,238
Zamboanga del Sur	98	67	32	21	20	20	26	30	30	35
Zamboanga Sibugay	98	98	98	98	90	101	101	101	102	102
City of Zamboanga	5	5	4	4	5	9	11	11	11	12
NORTHERN MINDANAO	927	877	877	678	663	622	620	1,051	1,314	1,324
Bukidnon	450	400	400	200	170	158	158	158	158	158
Camiguin	32	32	32	34	34	34	32	35	41	41
Lanao del Norte	387	387	387	387	387	350	350	350	350	355
Misamis Occidental	50	50	50	50	50	58	58	58	65	70
Misamis Oriental	8	8	8	7	22	22	22	450	700	700
DAVAO REGION	4,958	5,226	5,151	5,193	7,451	8,938	9,528	11,317	18,985	19,436
Davao del Norte	928	932	936	1,045	1,854	1,936	2,078	2,200	5,978	5,999
Davao del Sur	1,385	1,385	1,355	1,355	977	1,500	1,500	1,500	1,500	915
City of Davao	1,288	1,332	1,343	1,352	1,822	2,596	2,627	3,765	4,520	4,950
Davao Oriental	682	842	842	892	942	950	958	1,437	1,437	1,437
Davao de Oro (Compostela Valley)	675	735	675	549	1,856	1,956	2,365	2,415	5,550	5,550
Davao Occidental	..	..	..	..	..	..	..	..	..	585
SOCCSKSARGEN	130	134	161	177	436	525	505	1,511	2,075	2,265
North Cotabato	12	11	24	33	120	125	120	1,115	1,615	1,720
Sarangani	45	42	41	41	100	125	120	125	175	200
Sultan Kudarat	18	16	16	18	120	170	170	170	170	200
South Cotabato	55	65	80	85	96	105	95	101	115	145
CARAGA	840	825	585	570	701	735	741	849	993	2,634
Agusan del Norte	195	190	50	35	35	35	36	36	36	36
Agusan del Sur	385	385	385	385	511	545	545	652	652	2,290
Dinagat Islands	..	..	..	5	5	5	5	6	150	150
Surigao del Norte	90	82	70	65	70	70	70	70	70	70
Surigao del Sur	170	168	80	80	80	80	85	85	85	88
ARMM	500	464	449	447	431	422	419	406	404	403
Basilan	35	35	35	45	35	35	35	25	25	25
Lanao del Sur	250	250	250	250	250	250	250	250	250	247
Maguindanao	30	25	20	18	17	13	10	9	9	9
Sulu	180	150	140	130	125	120	120	118	116	118
Tawi-tawi	5	4	4	4	4	4	4	4	4	4

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cashew										
PHILIPPINES	**28,114**	**28,204**	**28,316**	**28,663**	**28,602**	**28,639**	**28,654**	**28,631**	**28,666**	**28,688**
CAR	2	2	2	2	2	2	2	1	1	1
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	2	2	2	2	2	2	2	1	1	1
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	475	472	470	460	450	451	451	451	451	447
Ilocos Norte	20	18	16	16	16	18	18	18	18	18
Ilocos Sur	12	11	11	11	11	10	10	10	10	10
La Union	3	3	3	3	3	3	3	3	3	3
Pangasinan	440	440	440	430	420	420	420	420	420	416
CAGAYAN VALLEY	30	29	29	26	26	22	18	19	19	18
Batanes	..	..	..	0	0	0	0	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	6	5	5	5	5	5	5	5	5	5
Nueva Vizcaya	24	24	24	21	21	17	13	14	14	13
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	1,560	1,522	1,471	1,422	1,362	1,394	1,352	1,327	1,326	1,326
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	638	600	550	500	450	450	450	425	425	425
Bulacan	20	20	20	21	21	21	21	21	21	21
Nueva Ecija	568	568	568	568	560	560	550	550	550	540
Pampanga	3	3	2	2	2	2	2	2	1	1
Tarlac	21	21	21	21	21	21	21	21	21	21
Zambales	310	310	310	310	308	340	308	308	308	318
CALABARZON	32	32	27	27	27	28	28	28	27	27
Batangas	2	2	..	..	..	1	1	1	1	1
Cavite	23	23	20	20	20	20	20	20	20	20
Laguna	1	1	1	1	1	1	1	1	1	1
Quezon	1	1	1	1	1	1	1	1	1	1
Rizal	5	5	5	5	5	5	5	5	4	4
MIMAROPA	25,180	25,335	25,528	25,978	26,015	26,020	26,094	26,108	26,151	26,198
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	70	75	78	78	85	85	104	115	91	91
Oriental Mindoro	..	..	..	..	..	5	5	5	5	5
Palawan	25,110	25,260	25,450	25,900	25,930	25,930	25,985	25,988	26,055	26,102
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	3	3	3	3	3	3	3	3	3	3
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	3	3	3	3	3	3	3	3	3	3
WESTERN VISAYAS	431	434	434	433	415	435	429	429	429	430
Aklan	1	1	1	1	1	1	1	1	1	1
Antique	13	13	13	12	12	12	11	11	11	11
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	415	418	418	418	400	420	416	415	415	416
Iloilo	1	1	1	1	1	1	1	1	1	1
Negros Occidental	1	1	1	1	1	1	1	1	1	1
CENTRAL VISAYAS	20	20	20	20	20	20	20	20	20	20
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	20	20	20	20	20	20	20	20	20	20
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	40	39	33	32	30	30	26	26	23	21
Zamboanga del Norte	29	29	25	25	23	23	20	20	17	15
Zamboanga del Sur	9	8	6	5	5	5	4	4	4	4
Zamboanga Sibugay	2	2	2	2	2	2	2	2	2	2
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	54	54	54	50	49	49	49	49	50	48
Bukidnon	10	10	10	7	6	6	6	6	6	6
Camiguin	1	1	1	1	1	1	1	1	1	1
Lanao del Norte	2	2	2	2	2	2	2	2	2	2
Misamis Occidental	4	4	4	4	4	4	4	4	4	3
Misamis Oriental	37	37	37	36	36	36	36	36	37	36
DAVAO REGION	241	220	208	173	166	155	150	140	135	119
Davao del Norte	6	6	6	6	6	6	6	6	5	5
Davao del Sur	2	2	2	2	2	2	2	2	2	2
City of Davao	1	1	1	1	1	1	1	1	1	1
Davao Oriental	230	210	198	163	156	145	140	130	126	110
Davao de Oro (Compostela Valley)	2	1	1	1	1	1	1	1	1	1
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	11	11	11	11	11	11	10	10	10	9
North Cotabato	2	2	2	2	2	2	2	2	2	2
Sarangani	3	3	3	3	3	3	3	2	2	2
Sultan Kudarat	3	3	3	3	3	3	3	3	3	3
South Cotabato	3	3	3	3	3	3	3	3	3	3
CARAGA	33	29	24	24	24	18	20	20	20	20
Agusan del Norte	2	2	2	2	2	1	1	1	1	1
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	3	3	3	3
Surigao del Norte	28	25	20	20	20	15	15	15	15	15
Surigao del Sur	3	2	2	2	2	2	1	1	1	1
ARMM	2	2	2	2	2	2	1	1	1	1
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2	2	2	2	2	2	1	1	1	1
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chrysanthemum										
PHILIPPINES	**248**	**258**	**259**	**258**	**254**	**256**	**243**	**246**	**252**	**255.11**
CAR	61	62	62	62	60	60	55	58	64	62.00
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	61	62	62	62	60	60	55	58	64	62.00
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	0	0	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	1	1	1	1	1	0	0	0	0	0.19
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1	1	1	1	1	0	0	0	0	0.19
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	1	1	1	1	1	1	1	1	1	1.42
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	1	1	1	1	1	1	1	1	1	1.42
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	8	8	7	7	7	7	7	6	6	6.05
Batangas	1	1	0	0	0	0	0	0	0	..
Cavite	3	3	3	3	3	3	3	3	3	3.00
Laguna	1	1	1	1	1	1	1	0	0	0.05
Quezon	3	3	3	3	3	3	3	3	3	3.00
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	7	7	7	6	6	5	5	6	5	5.40
Albay	6	6	6	5	5	5	5	5	5	4.50
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	1	1	1	1	1	1	1	1	1	0.90
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	6	7	7	8	7	8	8	8	8	7.53
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	5	6	6	7	6	6	6	6	6	5.50
Guimaras	..	..	..	..	0	0	0	0	0	0.03
Iloilo	..	..	..	..	..	1	1	1	1	1.00
Negros Occidental	1	1	1	1	1	1	1	1	1	1.00
CENTRAL VISAYAS	47	53	58	59	59	61	63	63	63	62.78
Bohol	0	0	0	0	0	0	0	0	0	0.10
Cebu	44	50	55	56	56	58	60	60	60	60.00
Negros Oriental	3	3	3	3	3	3	3	3	3	2.68
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	10	10	9	9	8	8	8	8	8	8.07
Biliran	2	2	2	2	2	2	2	2	2	2.20
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	3	3	3	3	2	2	2	2	2	2.10
Northern Samar	1	1	1	1	1	1	1	1	1	0.90
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2.00
Southern Leyte	2	2	1	1	1	1	1	1	1	0.87
ZAMBOANGA PENINSULA	8	8	8	7	8	7	7	7	7	7.01
Zamboanga del Norte	1	1	1	1	1	1	1	1	1	0.50
Zamboanga del Sur	2	2	2	2	2	2	2	2	2	2.25
Zamboanga Sibugay	0	0	0	0	0	0	0	0	0	0.25
City of Zamboanga	4	4	4	4	4	4	4	4	4	4.01
NORTHERN MINDANAO	28	28	29	29	30	28	28	28	28	27.62
Bukidnon	3	3	4	4	4	4	4	4	4	3.50
Camiguin	0	0	0	0	0	0	0	0	0	0.12
Lanao del Norte	14	14	14	14	14	14	14	14	14	14.00
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	11	11	11	12	12	10	10	10	10	10.00
DAVAO REGION	38	38	35	33	29	29	28	27	28	27.54
Davao del Norte	4	4	4	4	4	4	4	4	4	3.44
Davao del Sur	2	2	2	2	2	2	2	3	3	2.60
City of Davao	12	12	11	11	11	11	10	10	11	11.50
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	20	20	18	16	12	12	12	11	11	10.00
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	30	34	34	33	37	38	29	32	31	36.20
North Cotabato	6	6	6	6	6	7	6	8	8	10.00
Sarangani	1	1	1	1	1	1	1	1	1	0.90
Sultan Kudarat	2	2	2	1	1	1	1	1	0	0.30
South Cotabato	21	25	25	25	29	29	21	22	22	25.00
CARAGA	2	2	2	2	2	3	3	3	3	3.10
Agusan del Norte	1	1	1	1	1	1	1	1	1	1.10
Agusan del Sur	1	1	1	1	1	1	1	1	1	0.90
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	0	0	0	0.10
Surigao del Sur	..	..	..	..	..	1	1	1	1	1.00
ARMM	1	1	0	0	0	0	0	0	0	0.20
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	1	1	0	0	0	0	0	0	0	0.20
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coconut										
PHILIPPINES	**3,575,944**	**3,561,981**	**3,574,614**	**3,551,299**	**3,502,011**	**3,517,743**	**3,565,059**	**3,612,304**	**3,628,134**	**3,651,873**
CAR	281	285	300	332	362	378	375	333	334	321
Abra	65	65	65	65	65	65	65	65	65	65
Apayao	50	55	70	100	130	130	130	88	86	88
Benguet	9	9	9	9	9	9	9	9	9	9
Ifugao	21	21	21	22	22	22	22	22	22	22
Kalinga	84	84	84	84	84	100	100	100	100	88
Mountain Province	52	51	51	52	52	52	49	49	52	49
ILOCOS REGION	11,740	11,911	11,986	12,182	12,434	12,431	12,693	12,498	12,541	12,541
Ilocos Norte	1,900	2,126	2,200	2,378	2,630	2,653	2,717	2,728	2,771	2,771
Ilocos Sur	1,218	1,152	1,152	1,162	1,162	1,138	1,138	1,146	1,146	1,146
La Union	1,014	1,032	1,032	1,040	1,040	1,040	1,257	1,257	1,257	1,257
Pangasinan	7,608	7,601	7,602	7,602	7,602	7,600	7,581	7,367	7,367	7,367
CAGAYAN VALLEY	13,661	13,781	14,591	15,044	15,011	15,131	15,245	15,189	15,413	15,382
Batanes	..	..	808	808	740	740	742	711	711	711
Cagayan	6,563	6,593	6,590	6,703	6,738	6,848	6,890	6,856	6,856	6,821
Isabela	5,450	5,450	5,455	5,505	5,505	5,515	5,520	5,514	5,514	5,518
Nueva Vizcaya	1,120	1,210	1,210	1,500	1,500	1,500	1,465	1,480	1,482	1,482
Quirino	528	528	528	528	528	528	628	628	850	850
CENTRAL LUZON	24,088	24,088	24,068	24,037	26,305	26,540	27,873	28,126	28,126	28,129
Aurora	22,180	22,180	22,180	22,180	24,458	24,670	26,000	26,198	26,198	26,198
Bataan	845	845	830	800	792	800	805	859	859	859
Bulacan	246	246	246	246	246	246	244	245	245	246
Nueva Ecija	143	143	143	142	142	142	142	142	142	142
Pampanga	54	54	54	54	54	54	54	54	50	50
Tarlac	275	275	275	275	275	275	275	275	276	278
Zambales	345	345	340	340	338	353	353	353	356	356
CALABARZON	438,673	438,253	438,733	440,640	451,100	448,905	485,208	485,211	485,191	485,197
Batangas	36,990	36,590	36,590	36,490	36,300	36,305	36,305	36,305	36,305	36,305
Cavite	13,620	13,600	13,600	13,607	13,607	13,607	13,607	13,607	13,607	13,607
Laguna	62,248	62,248	62,248	62,248	62,200	60,000	60,000	60,000	59,980	59,980
Quezon	325,545	325,545	326,025	328,025	338,723	338,723	375,026	375,026	375,026	375,021
Rizal	270	270	270	270	270	270	270	273	273	284
MIMAROPA	181,784	192,687	199,434	199,966	204,106	209,118	214,650	216,939	219,225	222,984
Marinduque	35,448	35,448	35,446	35,446	35,450	35,455	35,455	35,455	34,037	34,112
Occidental Mindoro	1,738	1,738	1,740	1,745	1,750	1,752	1,758	1,765	1,769	1,772
Oriental Mindoro	28,361	28,365	28,365	28,295	28,065	32,770	32,532	32,514	32,514	32,514
Palawan	58,500	69,450	76,200	76,800	81,200	81,500	88,200	90,500	94,200	98,250
Romblon	57,737	57,686	57,683	57,680	57,641	57,641	56,705	56,705	56,705	56,336
BICOL REGION	452,679	452,681	453,501	452,967	453,704	454,013	454,349	454,020	453,994	453,994
Albay	40,200	40,200	41,000	41,000	41,000	41,000	41,007	41,007	41,007	41,007
Camarines Norte	85,378	85,380	85,400	85,405	85,405	85,405	85,405	85,405	85,405	85,405
Camarines Sur	119,045	119,045	119,045	119,045	119,045	119,045	119,045	119,045	119,044	119,044
Catanduanes	14,735	14,735	14,735	14,735	15,472	15,781	16,110	15,781	15,756	15,756
Masbate	95,629	95,629	95,629	95,629	95,629	95,629	95,629	95,629	95,629	95,629
Sorsogon	97,692	97,692	97,692	97,153	97,153	97,153	97,153	97,153	97,153	97,153
WESTERN VISAYAS	119,922	120,774	121,153	127,245	108,832	109,438	109,972	110,442	116,018	128,512
Aklan	28,630	29,482	29,482	29,482	17,530	17,530	17,530	17,530	17,530	17,530
Antique	17,119	17,119	17,119	23,086	24,317	24,317	24,318	24,317	29,128	29,669
Capiz	15,849	15,849	16,158	16,158	10,922	11,428	11,911	12,422	12,987	14,230
Guimaras	7,125	7,125	7,175	7,300	7,300	7,400	7,400	7,410	7,510	8,810
Iloilo	16,600	16,600	16,620	16,620	14,185	14,185	14,235	14,185	14,285	14,285
Negros Occidental	34,599	34,599	34,599	34,599	34,578	34,578	34,578	34,578	34,578	43,988
CENTRAL VISAYAS	128,677	128,533	128,660	128,666	126,347	124,950	124,940	124,940	125,025	124,775
Bohol	35,198	35,193	35,293	35,293	35,293	35,258	35,278	35,278	35,338	35,338
Cebu	42,594	42,450	42,490	42,490	40,174	38,812	38,812	38,812	38,807	38,807
Negros Oriental	45,545	45,545	45,530	45,530	45,525	45,525	45,525	45,525	45,520	45,270
Siquijor	5,340	5,345	5,347	5,353	5,355	5,355	5,325	5,325	5,360	5,360
EASTERN VISAYAS	434,539	417,786	419,540	419,640	322,089	322,050	320,201	328,777	329,717	329,620
Biliran	20,428	20,432	20,449	20,498	20,245	20,250	20,255	20,260	21,200	20,998
Eastern Samar	62,361	62,361	62,357	62,357	40,310	40,310	40,310	48,372	48,372	48,372
Leyte	166,257	166,257	167,973	167,974	94,744	94,700	94,744	94,745	94,745	94,745
Northern Samar	85,610	85,611	85,611	85,661	85,661	85,661	83,750	84,250	84,250	84,255
Samar (Western Samar)	66,883	50,125	50,150	50,150	49,000	49,000	49,000	49,000	49,000	49,100
Southern Leyte	33,000	33,000	33,000	33,000	32,129	32,129	32,142	32,150	32,150	32,150
ZAMBOANGA PENINSULA	372,971	375,080	377,389	380,919	417,314	420,798	423,792	453,994	455,403	454,387
Zamboanga del Norte	169,030	170,889	172,900	172,900	208,870	208,870	208,875	239,079	240,298	240,898
Zamboanga del Sur	127,295	127,287	127,280	127,277	127,272	127,273	127,354	127,354	127,354	125,739
Zamboanga Sibugay	54,086	54,344	54,344	57,772	57,772	61,182	61,182	61,180	61,179	61,178
City of Zamboanga	22,560	22,560	22,865	22,970	23,400	23,473	26,381	26,381	26,572	26,572
NORTHERN MINDANAO	301,257	301,697	301,660	302,433	302,818	302,818	302,816	302,816	303,981	303,978
Bukidnon	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500
Camiguin	14,859	14,860	14,860	14,872	14,872	14,872	14,870	14,870	14,870	14,867
Lanao del Norte	76,002	76,248	76,211	77,186	77,571	77,571	77,571	77,571	77,571	77,571
Misamis Occidental	97,638	97,831	97,831	97,631	97,631	97,631	97,631	97,631	97,631	97,631
Misamis Oriental	103,258	103,258	103,258	103,244	103,244	103,244	103,244	103,244	104,409	104,409
DAVAO REGION	375,885	375,630	375,622	348,483	356,480	357,497	357,453	357,890	357,935	356,384
Davao del Norte	39,221	39,116	39,112	39,084	39,063	39,044	39,028	38,990	39,012	37,421
Davao del Sur	97,012	97,012	97,012	97,007	97,007	97,007	97,007	97,007	97,007	33,896
City of Davao	32,443	32,443	32,439	32,438	32,438	32,430	32,430	32,405	32,410	32,410
Davao Oriental	155,705	155,905	155,905	145,679	143,584	144,084	144,056	144,556	144,556	144,596
Davao de Oro (Compostela Valley)	51,504	51,154	51,154	34,275	44,388	44,932	44,932	44,932	44,950	44,950
Davao Occidental	..	..	..	..	..	..	..	..	..	63,111
SOCCSKSARGEN	185,021	175,764	176,752	184,961	186,111	193,933	190,841	192,721	196,273	206,411
North Cotabato	40,950	42,700	42,710	46,100	46,200	46,220	46,230	46,235	48,662	48,800
Sarangani	89,424	78,457	78,465	80,500	81,000	88,752	82,000	83,875	85,000	95,000
Sultan Kudarat	22,524	22,324	23,294	26,078	26,628	26,678	30,328	30,328	30,328	30,328
South Cotabato	32,123	32,283	32,283	32,283	32,283	32,283	32,283	32,283	32,283	32,283
CARAGA	219,121	218,613	215,285	191,107	191,108	191,103	193,019	196,774	196,774	196,774
Agusan del Norte	26,700	26,700	33,486	33,486	33,486	33,486	35,400	35,400	35,400	35,400
Agusan del Sur	12,561	12,561	14,884	14,884	14,885	14,885	14,885	14,885	14,885	14,885
Dinagat Islands	..	..	..	4,600	4,593	4,593	4,593	4,600	4,600	4,600
Surigao del Norte	90,000	89,500	89,500	60,722	60,729	60,729	60,729	60,729	60,729	60,729
Surigao del Sur	89,860	89,852	77,415	77,415	77,415	77,410	77,412	81,160	81,160	81,160
ARMM	315,645	314,418	315,940	322,677	327,890	328,640	331,633	331,634	332,184	332,484
Basilan	68,003	66,763	66,763	64,763	64,700	64,700	64,400	64,400	63,700	63,000
Lanao del Sur	46,380	46,380	46,381	46,381	46,381	46,381	46,381	46,381	46,381	46,381
Maguindanao	94,355	94,415	95,896	104,526	109,752	109,752	113,045	113,046	113,046	113,046
Sulu	66,850	66,800	66,840	66,950	67,000	67,750	67,750	67,750	69,000	70,000
Tawi-tawi	40,057	40,060	40,060	40,057	40,057	40,057	40,057	40,057	40,057	40,057

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee										
PHILIPPINES	**121,399**	**119,637**	**120,000**	**116,460**	**117,451**	**113,738**	**114,839**	**112,843**	**113,352**	**112,024**
CAR	6,866	6,720	6,716	6,695	6,681	6,631	6,322	6,289	5,983	4,948
Abra	47	47	47	47	47	47	47	47	47	45
Apayao	116	109	135	140	130	121	123	105	105	111
Benguet	322	322	321	321	341	340	340	340	340	404
Ifugao	2,520	2,513	2,513	2,511	2,511	2,511	2,251	2,251	2,251	1,551
Kalinga	3,475	3,431	3,431	3,427	3,427	3,429	3,427	3,426	3,120	2,727
Mountain Province	386	298	269	249	225	183	134	120	120	110
ILOCOS REGION	118	119	121	121	173	352	616	737	785	872
Ilocos Norte	5	4	4	3	38	41	294	400	447	535
Ilocos Sur	86	88	88	88	102	182	188	196	197	196
La Union	23	23	25	25	28	28	33	40	40	40
Pangasinan	4	4	5	5	5	101	101	101	101	101
CAGAYAN VALLEY	2,872	2,578	2,523	2,651	2,913	2,922	3,544	3,676	4,398	4,457
Batanes	..	..	1	1	1	1	0	..	..	..
Cagayan	245	245	258	282	282	282	361	489	489	457
Isabela	37	37	37	127	127	127	127	123	143	148
Nueva Vizcaya	2,400	2,125	2,125	2,125	2,125	2,133	2,130	2,138	2,153	2,194
Quirino	190	171	102	116	379	379	926	926	1,613	1,658
CENTRAL LUZON	1,887	1,892	1,892	1,911	1,906	1,957	1,703	1,474	1,484	1,465
Aurora	740	745	745	765	765	766	715	835	845	832
Bataan	350	350	350	340	343	343	343	340	340	340
Bulacan	533	533	533	548	548	548	548	202	202	207
Nueva Ecija	260	260	260	258	250	250	..	..	..	..
Pampanga	4	4	4	..	..	..	30	30	30	30
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	50	67	67	67	56
CALABARZON	14,352	13,599	13,563	13,564	13,466	13,409	13,472	13,319	13,296	13,295
Batangas	4,579	3,892	3,892	3,892	3,892	3,897	3,897	3,752	3,752	3,752
Cavite	8,335	8,335	8,335	8,331	8,310	8,250	8,250	8,250	8,249	8,249
Laguna	615	625	625	630	620	618	621	614	614	614
Quezon	763	687	651	651	584	584	644	643	638	635
Rizal	60	60	60	60	60	60	60	60	43	45
MIMAROPA	883	855	840	800	947	933	930	932	929	930
Marinduque	25	25	25	23	152	148	148	148	144	143
Occidental Mindoro	..	..	..	..	..	..	..	7	7	7
Oriental Mindoro	197	198	202	188	221	221	221	221	221	225
Palawan	661	632	613	589	574	564	561	556	557	555
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	838	815	814	793	793	737	694	606	475	471
Albay	335	335	335	335	335	300	300	230	108	109
Camarines Norte	45	43	42	43	43	43	43	43	43	43
Camarines Sur	213	213	213	213	213	210	210	192	192	187
Catanduanes	11	11	11	11	11	11	9	9	9	9
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	234	213	213	191	191	173	132	132	123	123
WESTERN VISAYAS	9,956	9,961	9,957	9,954	9,878	9,857	9,897	9,905	9,906	9,910
Aklan	22	22	19	20	16	16	16	16	13	13
Antique	115	115	115	112	111	109	109	109	109	110
Capiz	2,020	2,015	2,013	2,013	1,913	1,933	1,933	1,931	1,931	1,931
Guimaras	103	113	113	118	115	102	99	109	113	116
Iloilo	5,729	5,729	5,729	5,724	5,756	5,730	5,740	5,740	5,740	5,740
Negros Occidental	1,967	1,967	1,967	1,967	1,967	1,967	2,000	2,000	2,000	2,000
CENTRAL VISAYAS	1,546	1,784	1,890	1,802	1,717	1,702	2,531	2,122	2,133	2,148
Bohol	282	291	402	402	402	407	407	407	407	422
Cebu	19	253	253	183	98	78	840	430	430	430
Negros Oriental	1,243	1,239	1,235	1,217	1,217	1,217	1,284	1,285	1,295	1,295
Siquijor	2	1	1	1	1	1	1	1	1	1
EASTERN VISAYAS	351	346	315	292	173	172	169	165	190	195
Biliran	6	6	5	5	4	5	5	6	32	36
Eastern Samar	12	12	12	12	11	11	11	11	11	9
Leyte	165	160	150	145	69	69	69	69	69	69
Northern Samar	9	9	9	9	9	9	10	10	11	11
Samar (Western Samar)	14	14	14	14	14	14	14	13	14	14
Southern Leyte	145	145	125	107	65	65	61	56	53	56
ZAMBOANGA PENINSULA	1,304	1,080	1,029	928	890	919	922	903	872	882
Zamboanga del Norte	804	620	625	625	632	632	620	601	583	586
Zamboanga del Sur	128	89	60	42	33	33	48	48	33	37
Zamboanga Sibugay	184	183	156	102	100	113	113	113	113	114
City of Zamboanga	188	188	188	159	125	141	141	141	143	145
NORTHERN MINDANAO	11,629	11,633	11,838	11,842	11,852	11,709	11,749	11,600	11,650	11,650
Bukidnon	9,022	9,022	9,029	9,034	9,034	9,034	9,034	9,034	9,034	9,034
Camiguin	28	27	25	24	23	22	22	21	19	18
Lanao del Norte	1,540	1,540	1,540	1,540	1,548	1,385	1,418	1,266	1,292	1,283
Misamis Occidental	75	75	75	75	75	74	74	79	90	107
Misamis Oriental	964	969	1,169	1,169	1,172	1,194	1,201	1,200	1,215	1,208
DAVAO REGION	25,847	25,371	25,166	21,573	21,524	17,344	17,256	16,344	16,309	16,165
Davao del Norte	1,066	10,491	1,086	1,098	1,157	1,170	1,188	1,196	1,181	1,137
Davao del Sur	4,875	6,256	4,875	4,875	4,951	4,951	4,951	4,951	4,924	3,668
City of Davao	7,026	3,878	6,620	6,527	6,521	4,977	4,977	4,289	4,289	4,219
Davao Oriental	1,854	940	1,835	1,485	1,515	1,515	1,505	1,565	1,567	1,567
Davao de Oro (Compostela Valley)	11,026	3,806	10,750	7,588	7,380	4,731	4,635	4,343	4,348	4,348
Davao Occidental	..	..	..	..	..	..	..	..	..	1,226
SOCCSKSARGEN	25,171	25,117	25,223	25,487	26,434	26,731	26,612	26,327	26,304	25,965
North Cotabato	3,111	3,002	3,033	3,057	3,062	3,069	2,997	2,985	2,795	2,432
Sarangani	667	675	682	900	1,130	1,220	1,150	1,162	1,232	1,227
Sultan Kudarat	19,064	19,064	19,079	19,079	19,729	19,929	20,004	19,695	19,714	19,714
South Cotabato	2,329	2,376	2,429	2,451	2,513	2,513	2,461	2,485	2,563	2,593
CARAGA	4,045	4,019	4,368	4,368	4,397	4,417	4,486	4,486	4,674	4,694
Agusan del Norte	435	415	476	476	476	476	495	495	495	495
Agusan del Sur	1,493	1,491	1,480	1,480	1,508	1,528	1,528	1,528	1,528	1,548
Dinagat Islands	..	..	..	1	1	1	1	1	189	189
Surigao del Norte	17	13	12	11	12	12	12	12	12	12
Surigao del Sur	2,100	2,100	2,400	2,400	2,400	2,400	2,450	2,450	2,450	2,450
ARMM	13,735	13,749	13,746	13,679	13,707	13,946	13,936	13,958	13,964	13,975
Basilan	3,296	3,296	3,296	3,296	3,296	3,296	3,296	3,296	3,296	3,296
Lanao del Sur	2,440	2,440	2,440	2,440	2,440	2,691	2,691	2,691	2,691	2,691
Maguindanao	4,291	4,275	4,275	4,268	4,268	4,268	4,258	4,257	4,257	4,268
Sulu	3,579	3,610	3,610	3,552	3,580	3,564	3,564	3,585	3,589	3,586
Tawi-tawi	129	128	125	123	123	127	127	129	131	134

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Arabica										
PHILIPPINES	**19,622**	**19,369**	**19,369**	**19,190**	**19,300**	**18,768**	**18,637**	**18,134**	**18,104**	**18,041**
CAR	585	594	618	619	629	627	615	607	593	578
Abra	21	21	21	21	21	21	21	21	21	20
Apayao	25	18	50	50	40	34	34	30	30	35
Benguet	236	236	236	236	256	256	256	256	256	320
Ifugao	50	50	50	51	51	51	51	51	51	51
Kalinga	168	184	184	184	184	186	184	184	170	90
Mountain Province	85	85	77	77	77	79	69	65	65	62
ILOCOS REGION	23	23	24	25	56	143	367	469	516	562
Ilocos Norte	1	1	1	1	31	34	253	353	400	446
Ilocos Sur	8	8	8	8	8	8	10	10	10	10
La Union	12	12	13	13	14	14	16	18	18	18
Pangasinan	2	2	3	3	3	88	88	88	88	88
CAGAYAN VALLEY	573	526	528	534	534	536	554	527	534	537
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	165	165	170	175	175	175	193	165	165	161
Isabela	14	14	14	14	14	14	14	13	13	14
Nueva Vizcaya	384	339	339	339	339	341	341	343	348	354
Quirino	10	8	5	6	6	6	6	6	8	8
CENTRAL LUZON	263	263	263	261	253	303	54	51	51	46
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	3	3	3	3	3	3	3	..	..	..
Nueva Ecija	260	260	260	258	250	250	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	50	51	51	51	46
CALABARZON	131	117	111	106	88	35	35	27	10	10
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	40	35	35	30	20	18	18	11	10	10
Quezon	75	66	60	60	52	1	1	..	..	..
Rizal	16	16	16	16	16	16	16	16	..	..
MIMAROPA	44	36	31	32	28	24	22	21	20	20
Marinduque	5	5	5	5	5	3	3	3	3	3
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	1	1	1	7	7	7	6	6	6	6
Palawan	38	30	25	20	16	14	13	12	11	11
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	266	264	263	262	262	235	229	216	168	161
Albay	124	124	124	124	124	100	100	95	48	44
Camarines Norte	17	16	15	16	16	16	16	16	16	16
Camarines Sur	89	89	89	89	89	88	88	80	80	77
Catanduanes	11	11	11	11	11	11	9	9	9	9
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	25	24	24	22	22	20	16	16	15	15
WESTERN VISAYAS	1,792	1,792	1,792	1,791	1,789	1,772	1,772	1,772	1,771	1,771
Aklan	1	1	1	1	1	1	1	1	1	1
Antique	51	51	51	50	50	49	49	49	49	49
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	4	4	4	4	2	2	2	2	1	1
Iloilo	1,736	1,736	1,736	1,736	1,736	1,720	1,720	1,720	1,720	1,720
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	491	489	489	489	489	489	495	495	500	495
Bohol	162	162	162	162	162	162	162	162	162	157
Cebu	4	3	3	3	3	3	2	2	2	2
Negros Oriental	323	323	323	323	323	323	330	330	335	335
Siquijor	2	1	1	1	1	1	1	1	1	1
EASTERN VISAYAS	113	111	105	102	73	30	29	27	29	30
Biliran	4	4	3	3	2	2	2	3	5	7
Eastern Samar	3	3	3	3	3	3	3	3	3	2
Leyte	72	70	67	64	42	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	4	4	4	4	4	4	4	4	4	4
Southern Leyte	30	30	28	28	21	21	20	18	17	17
ZAMBOANGA PENINSULA	522	390	369	330	317	318	306	217	204	195
Zamboanga del Norte	315	198	198	198	200	200	185	98	90	80
Zamboanga del Sur	47	32	23	15	12	12	15	13	8	8
Zamboanga Sibugay	72	72	60	40	40	41	41	41	41	41
City of Zamboanga	88	88	88	77	65	65	65	65	65	66
NORTHERN MINDANAO	604	607	614	618	618	467	466	369	363	348
Bukidnon	10	13	20	25	25	25	25	25	25	25
Camiguin	2	2	2	1	1	1	1	1	0	0
Lanao del Norte	550	550	550	550	550	400	399	300	295	290
Misamis Occidental	38	38	38	38	38	37	37	40	40	30
Misamis Oriental	4	4	4	4	4	4	4	3	3	3
DAVAO REGION	3,854	3,814	3,765	3,524	3,552	3,081	3,059	2,977	2,966	2,924
Davao del Norte	315	318	320	322	338	342	331	325	314	292
Davao del Sur	1,385	1,385	1,385	1,385	1,405	1,405	1,405	1,405	1,405	1,405
City of Davao	1,548	1,516	1,515	1,509	1,507	1,071	1,071	1,021	1,021	1,001
Davao Oriental	196	195	195	180	182	182	180	190	190	190
Davao de Oro (Compostela Valley)	410	400	350	128	120	81	72	36	36	36
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	8,547	8,536	8,593	8,706	8,820	8,910	8,839	8,555	8,567	8,547
North Cotabato	324	310	300	300	300	300	295	290	285	250
Sarangani	292	295	300	425	500	590	550	555	555	560
Sultan Kudarat	6,700	6,700	6,700	6,700	6,700	6,700	6,700	6,392	6,342	6,342
South Cotabato	1,231	1,231	1,293	1,281	1,320	1,320	1,294	1,318	1,385	1,395
CARAGA	2	2	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	2	2	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	1,812	1,805	1,804	1,790	1,793	1,798	1,796	1,805	1,811	1,817
Basilan	287	287	287	287	287	287	287	287	287	287
Lanao del Sur	40	40	40	40	40	41	41	41	41	41
Maguindanao	736	720	720	715	715	715	713	713	713	716
Sulu	690	700	700	692	695	697	697	705	710	711
Tawi-tawi	59	58	57	56	56	58	58	59	60	62

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Excelsa										
PHILIPPINES	**9,576**	**9,115**	**8,916**	**8,589**	**8,453**	**8,007**	**7,969**	**7,775**	**7,730**	**7,525**
CAR	190	223	221	215	205	201	201	195	187	175
Abra	5	5	5	5	5	5	5	5	5	5
Apayao	18	36	35	30	20	17	17	12	12	13
Benguet	22	22	21	21	21	20	20	20	20	20
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	143	159	159	159	159	159	159	158	150	137
Mountain Province	2	1	1	..	..	..	..	..	..	..
ILOCOS REGION	18	19	19	19	20	20	25	27	28	52
Ilocos Norte	..	..	..	..	..	..	..	..	..	25
Ilocos Sur	13	14	14	14	14	14	18	18	19	18
La Union	5	5	5	5	6	6	7	9	9	9
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	372	271	261	268	268	268	267	263	293	295
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	2	2	3	5	5	5	7	3	3	3
Isabela	2	2	2	2	2	2	2	2	2	2
Nueva Vizcaya	338	241	241	241	241	241	238	238	238	240
Quirino	30	26	15	20	20	20	20	20	50	50
CENTRAL LUZON	53	53	53	53	53	45	38	26	26	13
Aurora	50	50	50	50	50	42	35	25	25	12
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	3	3	3	3	3	3	3	1	1	1
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	2,713	2,426	2,406	2,404	2,353	2,326	2,326	2,288	2,286	2,286
Batangas	1,692	1,438	1,438	1,438	1,438	1,438	1,438	1,400	1,400	1,400
Cavite	600	600	600	598	597	570	570	570	570	570
Laguna	110	110	110	110	110	110	110	110	110	110
Quezon	303	270	250	250	200	200	200	200	198	198
Rizal	8	8	8	8	8	8	8	8	8	8
MIMAROPA	148	136	127	111	100	92	94	92	90	87
Marinduque	5	5	5	5	5	3	3	3	3	2
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	53	52	52	49	42	42	45	45	45	45
Palawan	90	79	70	57	53	47	46	44	42	40
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	1	1	1	1	1	1	1	1	1	1
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1	1	1	1	1	1	1	1	1	1
WESTERN VISAYAS	11	11	11	10	9	9	9	9	9	9
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	11	11	11	10	9	9	9	9	9	9
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	0	0	0	0	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	1	1	1	1	1	1	1	1	1	1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	1	1	1	1	1	1	1	1	1	1
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	101	100	90	84	39	65	64	63	62	62
Biliran	1	1	1	1	1	1	1	1	1	1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	58	57	55	54	17	43	43	43	43	43
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2
Southern Leyte	40	40	32	27	19	19	18	17	16	16
ZAMBOANGA PENINSULA	175	160	146	124	110	118	120	83	66	63
Zamboanga del Norte	68	60	60	60	60	60	55	20	10	10
Zamboanga del Sur	25	18	10	7	5	5	12	10	3	3
Zamboanga Sibugay	26	26	20	10	10	10	10	10	10	10
City of Zamboanga	56	56	56	47	35	43	43	43	43	40
NORTHERN MINDANAO	767	767	767	767	767	749	753	700	706	692
Bukidnon	9	9	9	9	9	9	9	9	9	9
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	188	188	188	188	188	170	169	116	115	108
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	570	570	570	570	570	570	575	575	582	575
DAVAO REGION	2,343	2,316	2,217	1,935	1,905	1,503	1,491	1,443	1,410	1,334
Davao del Norte	171	173	175	178	183	185	183	176	168	152
Davao del Sur	620	620	620	620	635	635	635	635	610	580
City of Davao	881	870	869	860	858	498	498	498	498	468
Davao Oriental	105	103	103	93	95	95	93	93	93	93
Davao de Oro (Compostela Valley)	566	550	450	184	134	90	82	41	41	41
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	953	913	914	938	949	954	932	931	912	802
North Cotabato	875	835	836	855	860	865	850	848	830	730
Sarangani	70	70	70	75	80	80	75	77	77	67
Sultan Kudarat	4	4	4	4	4	4	4	3	2	2
South Cotabato	4	4	4	4	5	5	3	3	3	3
CARAGA	178	156	122	122	121	121	116	116	116	116
Agusan del Norte	135	115	90	90	90	90	85	85	85	85
Agusan del Sur	40	38	30	30	28	28	28	28	28	28
Dinagat Islands	..	..	..	1	1	1	1	1	1	1
Surigao del Norte	3	3	2	1	2	2	2	2	2	2
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	1,552	1,561	1,560	1,537	1,552	1,534	1,531	1,537	1,538	1,537
Basilan	102	102	102	102	102	102	102	102	102	102
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	121	120	120	118	118	118	115	115	115	118
Sulu	1,259	1,270	1,270	1,250	1,265	1,245	1,245	1,250	1,250	1,245
Tawi-tawi	70	69	68	67	67	69	69	70	71	72

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Liberica										
PHILIPPINES	**1,410**	**1,378**	**1,360**	**1,308**	**1,281**	**1,280**	**1,310**	**1,300**	**1,290**	**1,304**
CAR	16	16	16	16	16	16	16	16	16	15
Abra	16	16	16	16	16	16	16	16	16	15
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	17
Ilocos Norte	..	..	..	..	..	..	..	..	..	17
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	38	30	33	35	35	36	39	32	32	29
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	15	15	18	20	20	20	23	15	15	12
Isabela	2	2	2	2	2	2	2	2	2	2
Nueva Vizcaya	21	13	13	13	13	14	14	15	15	15
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	2	2	2	2	2	2	32	31	31	31
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	2	2	2	2	2	2	2	1	1	1
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	30	30	30	30
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	205	201	198	201	195	197	197	197	193	193
Batangas	55	47	47	47	47	52	52	52	52	52
Cavite	85	85	85	83	83	80	80	80	79	79
Laguna	10	20	20	25	25	25	25	25	25	25
Quezon	55	49	46	46	40	40	40	40	37	37
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	125	115	105	88	71	69	66	64	63	65
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	67	67	70	61	51	51	49	49	49	51
Palawan	58	48	35	27	20	18	17	15	14	14
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	8	8	8	8	8	8	7	7	6	6
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	8	8	8	8	8	8	7	7	6	6
WESTERN VISAYAS	271	271	271	271	270	260	260	260	260	260
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	1	1	1	1	0	0	0	0	0	0
Iloilo	270	270	270	270	270	260	260	260	260	260
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	38	30	25	3	3	3	3	2	2	2
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	38	30	25	3	3	3	3	2	2	2
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	16	15	13	13	4	12	12	12	12	12
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	16	15	13	13	4	12	12	12	12	12
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	19	17	17	14	9	9	12	9	6	6
Zamboanga del Norte	1	1	2	2	5	2	2	..	..	..
Zamboanga del Sur	5	3	3	3	2	2	5	4	1	1
Zamboanga Sibugay	3	3	2	2	..	..	..	..	..	..
City of Zamboanga	10	10	10	7	2	5	5	5	5	5
NORTHERN MINDANAO	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	72	70	70	65	70	70	68	68	67	67
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	14	14	14	14	15	15	15	15	14	14
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	58	56	56	51	55	55	53	53	53	53
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	2	2	2	2	2	2	2	2	2	2
North Cotabato	2	2	2	2	2	2	2	2	2	2
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
CARAGA	2	1	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	2	1	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	595	600	600	590	595	596	596	600	600	599
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	595	600	600	590	595	596	596	600	600	599
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Robusta										
PHILIPPINES	**90,320**	**89,774**	**90,355**	**87,374**	**88,417**	**85,683**	**86,923**	**85,634**	**86,228**	**85,154**
CAR	5,645	5,887	5,861	5,845	5,831	5,787	5,490	5,471	5,187	4,180
Abra	5	5	5	5	5	5	5	5	5	5
Apayao	55	55	50	60	70	70	72	63	63	63
Benguet	64	64	64	64	64	64	64	64	64	64
Ifugao	2,470	2,463	2,463	2,460	2,460	2,460	2,200	2,200	2,200	1,500
Kalinga	2,752	3,088	3,088	3,084	3,084	3,084	3,084	3,084	2,800	2,500
Mountain Province	299	212	191	172	148	104	65	55	55	48
ILOCOS REGION	77	77	78	78	97	188	224	241	241	241
Ilocos Norte	4	3	3	3	7	7	41	47	47	47
Ilocos Sur	65	66	66	66	80	160	160	168	168	168
La Union	6	6	7	7	8	8	10	13	13	13
Pangasinan	2	2	2	2	2	13	13	13	13	13
CAGAYAN VALLEY	1,889	1,750	1,700	1,813	2,076	2,082	2,684	2,854	3,539	3,596
Batanes	..	..	1	1	1	1	0	..	..	..
Cagayan	63	63	67	82	82	82	138	306	306	281
Isabela	19	19	19	109	109	109	109	106	126	130
Nueva Vizcaya	1,657	1,531	1,531	1,531	1,531	1,537	1,537	1,542	1,552	1,585
Quirino	150	137	82	90	353	353	900	900	1,555	1,600
CENTRAL LUZON	1,569	1,574	1,574	1,595	1,598	1,607	1,579	1,366	1,376	1,375
Aurora	690	695	695	715	715	724	680	810	820	820
Bataan	350	350	350	340	343	343	343	340	340	340
Bulacan	525	525	525	540	540	540	540	200	200	205
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	4	4	4	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	16	16	16	10
CALABARZON	11,303	10,855	10,848	10,853	10,830	10,851	10,914	10,807	10,807	10,806
Batangas	2,832	2,407	2,407	2,407	2,407	2,407	2,407	2,300	2,300	2,300
Cavite	7,650	7,650	7,650	7,650	7,630	7,600	7,600	7,600	7,600	7,600
Laguna	455	460	460	465	465	465	468	468	469	469
Quezon	330	302	295	295	292	343	403	403	403	400
Rizal	36	36	36	36	36	36	36	36	35	37
MIMAROPA	564	568	577	569	748	748	748	755	756	758
Marinduque	13	15	15	13	142	142	142	142	138	138
Occidental Mindoro	..	..	..	..	..	..	..	7	7	7
Oriental Mindoro	76	78	79	71	121	121	121	121	121	123
Palawan	475	475	483	485	485	485	485	485	490	490
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	563	542	542	522	522	493	457	382	300	303
Albay	211	211	211	211	211	200	200	135	60	65
Camarines Norte	28	27	27	27	27	27	27	27	27	27
Camarines Sur	124	124	124	124	124	122	122	112	112	110
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	200	180	180	160	160	144	108	108	101	101
WESTERN VISAYAS	7,882	7,887	7,883	7,882	7,810	7,816	7,856	7,864	7,866	7,870
Aklan	21	21	19	19	15	15	15	15	12	12
Antique	53	53	53	52	52	51	51	51	51	52
Capiz	2,020	2,015	2,013	2,013	1,913	1,933	1,933	1,931	1,931	1,931
Guimaras	98	108	108	113	113	100	97	107	112	115
Iloilo	3,723	3,723	3,723	3,718	3,750	3,750	3,760	3,760	3,760	3,760
Negros Occidental	1,967	1,967	1,967	1,967	1,967	1,967	2,000	2,000	2,000	2,000
CENTRAL VISAYAS	1,016	1,264	1,376	1,310	1,225	1,210	2,033	1,625	1,630	1,650
Bohol	120	129	240	240	240	245	245	245	245	265
Cebu	15	250	250	180	95	75	838	428	428	428
Negros Oriental	881	885	886	890	890	890	950	952	957	957
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	85	120	107	94	56	65	64	63	87	91
Biliran	1	1	1	1	1	1	1	2	26	28
Eastern Samar	8	9	9	9	8	8	8	8	8	7
Leyte	19	18	15	15	5	14	14	14	14	14
Northern Samar	9	9	9	9	9	9	10	10	11	11
Samar (Western Samar)	8	8	8	8	8	8	8	8	8	8
Southern Leyte	40	75	65	52	25	25	23	21	20	23
ZAMBOANGA PENINSULA	587	513	497	460	454	474	484	594	596	618
Zamboanga del Norte	420	361	365	365	370	370	378	483	483	496
Zamboanga del Sur	51	36	24	17	14	14	16	21	21	25
Zamboanga Sibugay	82	82	74	50	50	62	62	62	62	63
City of Zamboanga	34	34	34	28	20	28	28	28	30	34
NORTHERN MINDANAO	10,255	10,259	10,457	10,457	10,467	10,493	10,530	10,532	10,581	10,610
Bukidnon	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
Camiguin	26	25	23	23	22	21	21	21	19	18
Lanao del Norte	802	802	802	802	810	815	850	850	882	885
Misamis Occidental	37	37	37	37	37	37	37	39	50	77
Misamis Oriental	390	395	595	595	598	620	622	622	630	630
DAVAO REGION	19,578	19,171	19,114	16,049	15,997	12,690	12,638	11,856	11,866	11,840
Davao del Norte	580	586	591	598	636	643	674	695	699	693
Davao del Sur	2,856	2,856	2,856	2,856	2,896	2,896	2,896	2,896	2,895	1,669
City of Davao	4,597	4,237	4,236	4,158	4,156	3,408	3,408	2,770	2,770	2,750
Davao Oriental	1,495	1,492	1,481	1,161	1,183	1,183	1,179	1,229	1,231	1,231
Davao de Oro (Compostela Valley)	10,050	10,000	9,950	7,276	7,126	4,560	4,481	4,266	4,271	4,271
Davao Occidental	..	..	..	..	..	..	..	..	..	1,226
SOCCSKSARGEN	15,669	15,666	15,714	15,841	16,663	16,865	16,839	16,839	16,823	16,615
North Cotabato	1,910	1,855	1,895	1,900	1,900	1,902	1,850	1,845	1,678	1,450
Sarangani	305	310	312	400	550	550	525	530	600	600
Sultan Kudarat	12,360	12,360	12,375	12,375	13,025	13,225	13,300	13,300	13,370	13,370
South Cotabato	1,094	1,141	1,132	1,166	1,188	1,188	1,164	1,164	1,175	1,195
CARAGA	3,863	3,860	4,246	4,246	4,276	4,296	4,370	4,370	4,558	4,578
Agusan del Norte	300	300	386	386	386	386	410	410	410	410
Agusan del Sur	1,453	1,453	1,450	1,450	1,480	1,500	1,500	1,500	1,500	1,520
Dinagat Islands	..	..	..	..	..	..	..	..	188	188
Surigao del Norte	10	7	10	10	10	10	10	10	10	10
Surigao del Sur	2,100	2,100	2,400	2,400	2,400	2,400	2,450	2,450	2,450	2,450
ARMM	9,776	9,782	9,782	9,762	9,767	10,018	10,013	10,016	10,015	10,022
Basilan	2,907	2,907	2,907	2,907	2,907	2,907	2,907	2,907	2,907	2,907
Lanao del Sur	2,400	2,400	2,400	2,400	2,400	2,650	2,650	2,650	2,650	2,650
Maguindanao	3,434	3,435	3,435	3,435	3,435	3,435	3,430	3,429	3,429	3,434
Sulu	1,035	1,040	1,040	1,020	1,025	1,026	1,026	1,030	1,029	1,031
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cotton										
PHILIPPINES	**48**	**176**	**188**	**157**	**14**	**5**	**4**	**9**	**34**	**18**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	4	3	4	4	3	1	1	1	32	14
Ilocos Norte	2	2	2	2	1	1	1	1	15	12
Ilocos Sur	2	2	2	2	2	..	..	..	2	2
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	15	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	8	4	120	47	12	4	3	8	2	2
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	4	4	4	4	4	4	3	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	4	..	116	43	8	..	..	8	2	2
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	36	169	17	3	..	..	..	..	..	2
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	36	169	17	3	..	..	..	..	..	2
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	0	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	0	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	48	104	..	..	..	..	..	..
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	48	104	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Gladiola										
PHILIPPINES	**155**	**153**	**148**	**112**	**103**	**99**	**90**	**89**	**68**	**66**
CAR	84	80	75	37	30	25	18	18	13	13
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	84	80	75	37	30	25	18	18	13	13
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	0	0	0	..	..	..	..	..	..	..
Ilocos Norte	0	0	0	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	8	8	8	8	8	8	6	6	6	6
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	2	2	2	2	2	2	2	2	2	2
Nueva Vizcaya	5	5	5	5	5	5	4	4	4	4
Quirino	1	1	1	1	1	1	0	0	0	0
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	16	15	15	15	15	15	15	14	..	..
Batangas	1	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	15	15	15	15	15	15	15	14	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	7	7	7	6	6	6	6	5	5	5
Albay	2	2	2	1	1	1	1	1	0	0
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	5	5	5	5	5	5	5	5	4	4
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	3	3	3	3	3	3	3	3	3	3
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	3	3	3	3	3	3	3	3	3	3
Guimaras	..	..	..	..	0	0	0	0	0	0
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	8	10	11	13	13	16	16	16	16	16
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	7	9	..	12	12	15	15	15	15	15
Negros Oriental	1	1	10	1	1	1	1	1	1	1
Siquijor	..	..	1	..	..	..	..	..	..	..
EASTERN VISAYAS	4	5	5	5	4	3	3	3	3	2
Biliran	1	1	1	1	1	1	1	1	1	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	2	2	2	2	1	1	1	1	1	1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	0	0	0	0	0	0	0	0	0
Southern Leyte	1	1	1	1	1	1	1	1	1	1
ZAMBOANGA PENINSULA	1	1	1	1	1	1	1	1	1	1
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	1	1	1	1	1	1	1	1	1	1
NORTHERN MINDANAO	12	12	12	13	13	12	12	12	12	12
Bukidnon	3	3	4	4	4	4	4	4	4	4
Camiguin	0	0	0	0	0	0	0	0	0	0
Lanao del Norte	7	7	7	7	7	6	6	6	6	6
Misamis Occidental	1	1	1	1	1	1	1	1	1	1
Misamis Oriental	1	1	1	1	1	1	1	1	1	1
DAVAO REGION	11	11	10	10	10	10	10	10	9	8
Davao del Norte	3	3	3	3	3	3	3	3	3	2
Davao del Sur	1	1	1	1	1	1	1	1	1	1
City of Davao	7	7	6	6	6	6	6	6	5	5
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1	1	1	1	0	0	0	0	0	0
North Cotabato	1	1	1	1	0	0	0	0	0	0
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
CARAGA	1	1	1	1	1	1	1	1	1	1
Agusan del Norte	1	1	1	1	1	1	1	1	1	1
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Oil Palm										
PHILIPPINES	**45,044**	**49,328**	**53,015**	**53,856**	**55,083**	**59,754**	**60,069**	**60,069**	**62,671**	**62,835**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3,800	5,725	5,725	5,840	5,852	5,852	5,900	5,915	5,920	5,920
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	3,800	5,725	5,725	5,840	5,852	5,852	5,900	5,915	5,920	5,920
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500
Bohol	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	3	10	18	4,568	4,568	4,618	4,663	4,731
Zamboanga del Norte	..	..	3	3	3	4,553	4,553	4,553	4,598	4,600
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	26
Zamboanga Sibugay	..	..	..	7	15	15	15	65	65	65
City of Zamboanga	..	..	..	..	..	..	..	..	..	40
NORTHERN MINDANAO	1,575	2,250	4,210	4,260	4,290	4,290	4,340	4,040	4,020	3,960
Bukidnon	1,290	1,400	1,450	1,470	1,500	1,500	1,550	1,550	1,560	1,560
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	285	850	2,760	2,790	2,790	2,790	2,790	2,490	2,460	2,400
DAVAO REGION	1,060	1,060	1,060	807	961	993	1,069	1,224	1,336	1,337
Davao del Norte	..	..	..	72	106	118	122	110	111	112
Davao del Sur	..	..	..	..	..	..	..	..	111	111
City of Davao	..	..	..	..	..	20	20	20	20	20
Davao Oriental	..	..	..	..	..	..	72	119	119	119
Davao de Oro (Compostela Valley)	1,060	1,060	1,060	735	855	855	855	975	975	975
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	14,609	15,588	16,258	17,125	17,775	17,840	17,845	17,850	20,310	20,465
North Cotabato	3,710	4,595	5,005	5,750	6,100	6,110	6,115	6,120	8,450	8,620
Sarangani	3	3	3	50	250	250	250	250	230	230
Sultan Kudarat	9,755	9,755	9,800	9,800	9,900	9,955	9,955	9,955	10,105	10,105
South Cotabato	1,141	1,235	1,450	1,525	1,525	1,525	1,525	1,525	1,525	1,510
CARAGA	16,695	16,725	17,324	17,374	17,369	17,393	17,397	17,467	17,467	17,467
Agusan del Norte	300	300	321	371	371	371	372	372	372	372
Agusan del Sur	16,365	16,385	16,395	16,395	16,390	16,394	16,397	16,397	16,397	16,397
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	3	3	3	3	3	3	3	3
Surigao del Sur	30	40	605	605	605	625	625	695	695	695
ARMM	805	1,480	1,935	1,940	2,318	2,318	2,450	2,455	2,455	2,455
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	805	1,480	1,935	1,940	2,318	2,318	2,450	2,455	2,455	2,455
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Orchids										
PHILIPPINES	**326**	**313**	**307**	**305**	**300**	**299**	**295**	**293**	**292**	**292**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	8	8	8	5	5	4	4	4	3	3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	3	3	3	3	3	2	2	2	2	2
Pangasinan	4	4	5	2	2	2	2	2	2	2
CAGAYAN VALLEY	12	12	12	12	12	11	11	11	11	11
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	1	1	1	1	1	1	1	1	1	1
Isabela	9	9	9	9	9	9	9	9	8	8
Nueva Vizcaya	2	2	2	2	2	1	2	2	2	2
Quirino	1	1	1	1	1	1	0	0	0	0
CENTRAL LUZON	54	52	48	47	43	42	37	37	37	36
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	15	13	9	8	4	3	2	2	2	2
Bulacan	38	38	38	38	38	39	34	34	34	33
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	1	1	1	1	1	1	1	1	1	1
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	15	14	13	12	12	12	12	12	12	11
Batangas	4	3	2	1	1	1	1	1	1	0
Cavite	3	3	3	3	3	3	3	3	3	3
Laguna	4	4	4	4	4	4	4	4	4	4
Quezon	3	3	3	3	3	3	3	3	3	3
Rizal	1	1	1	1	1	1	1	1	1	1
MIMAROPA	6	6	6	6	6	6	6	6	6	6
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	6	6	6	6	6	6	6	6	6	6
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	10	10	10	10	10	10	10	10	10	10
Albay	6	6	6	6	6	6	6	6	7	7
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	3	3	3	3	3	3	3	3	3	3
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	1	1	1	1	1	1	1	1	1	1
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	43	44	45	45	43	43	43	44	44	44
Aklan	5	5	5	5	5	5	5	5	4	4
Antique	3	3	2	2	2	3	3	3	2	2
Capiz	20	21	22	22	21	21	21	22	22	22
Guimaras	3	3	3	3	3	3	2	2	2	2
Iloilo	9	9	9	9	9	9	9	9	10	10
Negros Occidental	4	4	4	4	4	4	4	4	4	4
CENTRAL VISAYAS	15	16	16	17	18	19	19	19	19	19
Bohol	1	1	1	1	1	1	1	1	1	1
Cebu	5	6	7	8	9	9	9	9	9	9
Negros Oriental	5	5	5	5	5	5	5	5	5	5
Siquijor	4	4	4	4	4	4	4	4	4	4
EASTERN VISAYAS	25	25	25	24	23	22	22	21	21	21
Biliran	6	6	6	6	6	6	6	5	5	6
Eastern Samar	3	3	3	3	3	3	3	3	2	2
Leyte	6	6	6	6	5	5	5	5	5	5
Northern Samar	2	2	2	2	2	2	2	2	2	2
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2
Southern Leyte	6	6	6	5	5	5	5	5	5	5
ZAMBOANGA PENINSULA	31	32	32	32	32	32	32	33	33	32
Zamboanga del Norte	8	8	8	8	8	8	8	9	9	9
Zamboanga del Sur	17	17	17	18	18	18	18	18	17	17
Zamboanga Sibugay	4	4	4	4	4	3	3	3	4	3
City of Zamboanga	3	3	3	3	3	3	3	3	3	3
NORTHERN MINDANAO	32	34	33	33	34	33	33	33	34	34
Bukidnon	2	2	2	2	2	2	2	2	2	2
Camiguin	5	4	4	4	3	3	3	3	3	4
Lanao del Norte	15	15	15	15	15	15	15	15	15	15
Misamis Occidental	5	6	6	6	6	6	6	6	6	6
Misamis Oriental	5	7	7	7	7	7	7	7	7	7
DAVAO REGION	46	33	31	33	33	33	32	32	31	30
Davao del Norte	7	7	7	7	7	7	7	7	7	6
Davao del Sur	4	5	5	5	5	5	5	5	5	5
City of Davao	26	15	13	14	14	14	14	14	14	13
Davao Oriental	5	3	3	3	3	3	2	2	2	2
Davao de Oro (Compostela Valley)	4	4	4	4	4	4	4	4	4	4
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	19	19	20	20	21	22	25	23	23	26
North Cotabato	7	7	7	7	8	8	11	11	12	15
Sarangani	3	3	3	3	3	3	3	3	3	3
Sultan Kudarat	5	5	6	4	4	4	3	3	2	2
South Cotabato	..	..	..	6	7	7	7	6	6	6
CARAGA	4	4	4	9	9	9	9	9	8	8
Agusan del Norte	9	9	9	2	2	2	2	2	2	2
Agusan del Sur	2	2	2	1	1	1	1	1	1	1
Dinagat Islands	1	1	1	..	..	..	0	0	0	0
Surigao del Norte	4	4	4	4	4	4	4	4	2	2
Surigao del Sur	2	2	2	2	2	2	2	2	2	2
ARMM	4	1	1	1	1	1	0	0	0	0
Basilan	2	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2	1	1	1	1	1	0	0	0	0
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pili Nut										
PHILIPPINES	**2,158**	**2,292**	**2,292**	**2,293**	**2,285**	**2,288**	**2,281**	**2,283**	**2,262**	**2,164**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	31	26	23	21	18	18	16	15	13	12
Batangas	2	2	2	2	2	2	2	1	1	0
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1	1	1	1	1	1	1	1	1	1
Quezon	28	23	20	18	15	15	13	13	11	11
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3	3	3	3	3	3	3	3	3	3
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	3	3	3	3	3	3	3	3	3	3
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	1,763	1,901	1,904	1,910	1,910	1,911	1,908	1,928	1,929	1,932
Albay	330	340	340	345	345	345	345	345	345	350
Camarines Norte	64	67	67	68	68	68	68	82	82	82
Camarines Sur	110	111	111	111	111	112	112	112	113	113
Catanduanes	11	11	11	11	11	11	11	11	11	12
Masbate	2	2	2	2	2	2	2	5	5	5
Sorsogon	1,246	1,370	1,373	1,373	1,373	1,373	1,370	1,373	1,373	1,370
WESTERN VISAYAS	212	213	213	213	212	212	211	206	196	101
Aklan	1	1	1	1	1	1	1	1	1	1
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	1	1	1	1	1	1	1	1	1
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	211	211	211	211	211	211	210	205	195	100
CENTRAL VISAYAS	1	1	1	1	1	1	1	1	1	1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	1	1	1	1	1	1	1	1	1	1
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	137	137	138	136	131	131	131	118	109	103
Biliran	3	3	3	3	3	3	3	0	0	0
Eastern Samar	40	40	40	40	40	40	40	30	20	15
Leyte	10	10	11	11	6	6	6	6	6	6
Northern Samar	64	64	64	62	62	62	62	62	62	62
Samar (Western Samar)	20	20	20	20	20	20	20	20	20	20
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	1	1	2	2	2	2	2	2	2	2
Bukidnon	..	..	1	1	1	1	1	1	1	1
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	1	1	1	1	1	1	1	1	1	1
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	8	8	7	7	7	9	9	9	9	9
Davao del Norte	3	3	3	3	3	3	3	3	3	3
Davao del Sur	1	1	1	1	1	1	1	1	1	1
City of Davao	1	1	1	1	1	3	3	3	3	3
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	3	3	2	2	2	2	2	2	2	2
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	3	2	2	1	1	1	1	1	1	1
North Cotabato	3	2	2	1	1	1	1	1	1	1
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Roses										
PHILIPPINES	**270**	**269**	**273**	**277**	**278**	**265**	**269**	**273**	**271**	**296**
CAR	49	49	49	49	49	48	47	52	47	70
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	49	49	49	49	49	48	47	52	47	70
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	1	1	1	1	1	1	1	1	1	1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1	1	1	1	1	1	1	1	1	1
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	4	4	4	4	5	4	4	4	4	4
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	0	0	0	0	0	0	0	0	0	0
Isabela	1	1	1	1	2	2	2	2	2	2
Nueva Vizcaya	2	2	2	2	2	1	2	2	2	2
Quirino	1	1	1	1	1	1	1	1	1	1
CENTRAL LUZON	13	13	13	13	13	13	12	12	12	12
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	9	9	9	9	9	9	8	8	8	8
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	4	4	4	4	4	4	4	4	4	4
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	15	14	14	14	14	5	5	4	4	4
Batangas	1	1	1	1	1	1	1	1	1	1
Cavite	1	1	1	1	1	1	1	1	1	1
Laguna	2	2	2	2	2	2	2	2	2	2
Quezon	11	10	10	10	10	1	1	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	6	6	7	7	7	7	7	7	7	7
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	1	1	1	1	1	2	2	2	1	1
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	5	5	5	5	5	5	5	5	5	5
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	8	8	7	7	7	7	7	7	7	7
Albay	1	1	1	1	1	1	1	1	1	1
Camarines Norte	3	3	3	3	3	3	3	3	3	3
Camarines Sur	2	2	2	2	2	2	2	2	2	2
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	2	2	2	2	2	2	2	2	2	2
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	21	17	17	18	15	15	15	16	16	16
Aklan	3	3	3	3	3	3	3	3	3	3
Antique	1	1	1	1	0	0	0	0	0	0
Capiz	9	9	9	10	9	9	9	10	10	10
Guimaras	4	0	0	1	0	0	0	0	0	0
Iloilo	3	3	3	3	2	2	2	2	2	2
Negros Occidental	1	1	1	1	1	1	1	1	1	1
CENTRAL VISAYAS	30	31	32	34	34	36	39	39	39	39
Bohol	1	1	1	1	1	1	1	1	1	1
Cebu	26	27	28	30	30	32	35	35	35	35
Negros Oriental	1	1	1	1	1	1	1	1	1	2
Siquijor	2	2	2	2	2	2	2	2	2	2
EASTERN VISAYAS	15	15	16	15	15	15	15	15	14	14
Biliran	2	2	2	2	2	2	2	2	2	2
Eastern Samar	2	2	2	2	2	2	2	2	1	1
Leyte	3	3	3	3	2	2	2	2	2	2
Northern Samar	2	2	2	2	2	2	2	2	2	2
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2
Southern Leyte	4	4	5	5	4	4	4	4	4	4
ZAMBOANGA PENINSULA	23	23	24	24	24	23	23	22	22	22
Zamboanga del Norte	4	4	4	4	4	3	3	3	3	3
Zamboanga del Sur	13	13	13	14	14	14	14	13	13	13
Zamboanga Sibugay	1	1	1	1	2	2	2	2	2	2
City of Zamboanga	5	5	6	5	5	5	5	5	5	5
NORTHERN MINDANAO	44	46	48	50	53	51	51	52	54	56
Bukidnon	16	17	18	20	22	20	20	20	20	20
Camiguin	1	1	1	1	1	1	0	0	0	0
Lanao del Norte	15	15	15	15	15	15	15	15	15	15
Misamis Occidental	..	..	0	0	0	0	0	0	0	0
Misamis Oriental	12	13	14	15	15	15	15	16	18	20
DAVAO REGION	22	22	22	21	21	21	24	24	26	26
Davao del Norte	8	8	8	8	7	7	7	7	7	6
Davao del Sur	3	3	3	3	3	3	3	3	3	3
City of Davao	8	8	8	8	9	9	12	12	14	14
Davao Oriental	0	0	0	0	0	0	0	0	0	0
Davao de Oro (Compostela Valley)	3	3	3	2	2	2	2	2	2	2
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	10	10	9	9	9	10	10	10	9	11
North Cotabato	2	2	2	2	2	2	2	2	2	3
Sarangani	2	2	2	2	2	2	2	2	1	1
Sultan Kudarat	1	1	1	1	1	1	1	1	0	0
South Cotabato	5	5	5	5	6	6	6	6	6	6
CARAGA	9	10	9	9	9	9	9	9	8	8
Agusan del Norte	1	1	1	1	1	1	1	1	1	1
Agusan del Sur	1	1	1	1	1	1	1	1	1	1
Dinagat Islands	..	..	..	..	..	..	0	0	0	0
Surigao del Norte	2	2	2	2	2	2	2	2	1	1
Surigao del Sur	6	6	6	6	6	6	6	6	6	6
ARMM	1	1	1	0	0	0	0	0	0	0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	1	1	1	0	0	0	0	0	0	0
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rubber										
PHILIPPINES	**138,710**	**161,565**	**176,244**	**185,476**	**217,687**	**222,602**	**223,283**	**226,285**	**228,944**	**229,431**
CAR	..	..	27	27	27	27	27	27	12	12
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	12	12	12	12	12	12	12	12
Kalinga	..	..	15	15	15	15	15	15	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	152	122	203	210	305	305	275
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	150	120	145	145	238	238	208
Isabela	..	..	..	..	..	..	5	5	5	5
Nueva Vizcaya	..	..	..	2	2	58	60	62	62	62
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	227	221	221	435	435	435	435	435	435	435
Batangas	5	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	212	211	211	211	211	211	211	211	211	211
Quezon	10	10	10	224	224	224	224	224	224	224
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	616	616	742	766	1,766	1,778	1,876	1,879	1,879	1,879
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	12	12	15	15	15
Oriental Mindoro	16	16	17	36	66	66	64	64	64	64
Palawan	600	600	725	730	1,700	1,700	1,800	1,800	1,800	1,800
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	4	4	4	4	4	4	4
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	4	4	4	4	4	4	4
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	1,005	1,005	1,015	1,018	1,018	978	966	966	966	966
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	1,005	1,005	1,015	1,018	1,018	978	966	966	966	966
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	3	4	4
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	3	4	4
ZAMBOANGA PENINSULA	65,084	79,138	80,375	86,033	86,452	89,837	90,297	90,918	91,195	91,312
Zamboanga del Norte	8,459	8,643	8,650	8,860	9,037	12,537	12,599	13,050	13,307	13,360
Zamboanga del Sur	5,910	5,915	5,935	6,200	6,200	6,070	6,080	6,250	6,260	6,260
Zamboanga Sibugay	50,150	64,000	65,180	70,180	70,205	70,220	70,220	70,220	70,220	70,220
City of Zamboanga	565	580	610	793	1,010	1,010	1,398	1,398	1,408	1,472
NORTHERN MINDANAO	4,567	6,847	6,851	6,929	8,876	8,776	8,776	8,797	8,797	8,818
Bukidnon	4,365	6,639	6,639	6,639	7,500	7,400	7,400	7,400	7,400	7,400
Camiguin	1	1	1	1	6	6	6	6	6	6
Lanao del Norte	..	..	..	68	112	112	112	112	112	112
Misamis Occidental	11	11	11	11	679	679	679	679	679	700
Misamis Oriental	190	196	200	210	579	579	579	600	600	600
DAVAO REGION	6,409	6,622	6,693	3,533	8,518	8,872	8,832	10,421	10,442	10,502
Davao del Norte	549	560	575	581	615	628	651	670	685	670
Davao del Sur	1,132	1,250	1,300	1,300	1,301	1,301	1,301	1,301	1,301	1,126
City of Davao	300	312	318	324	325	471	471	521	521	596
Davao Oriental	55	100	100	155	1,404	1,404	1,341	1,484	1,390	1,390
Davao de Oro (Compostela Valley)	4,373	4,400	4,400	1,173	4,873	5,068	5,068	6,445	6,545	6,545
Davao Occidental	..	..	..	..	..	..	..	..	..	175
SOCCSKSARGEN	31,927	35,681	36,713	40,916	60,516	60,966	61,026	61,063	63,423	63,543
North Cotabato	30,355	32,700	33,388	37,000	55,600	55,600	55,610	55,620	57,980	58,100
Sarangani	455	425	445	585	800	800	775	780	780	780
Sultan Kudarat	1,012	2,241	2,260	2,260	3,045	3,495	3,570	3,570	3,570	3,570
South Cotabato	105	315	620	1,071	1,071	1,071	1,071	1,093	1,093	1,093
CARAGA	6,840	6,860	11,528	11,548	11,837	12,450	12,519	12,651	12,666	12,851
Agusan del Norte	700	700	755	765	765	765	770	770	770	770
Agusan del Sur	6,050	6,070	9,980	9,990	10,279	10,890	10,948	11,045	11,060	11,245
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	120	120	120	120	120	120	120	120
Surigao del Sur	90	90	673	673	673	675	681	716	716	716
ARMM	22,034	24,575	32,079	34,115	38,115	38,275	38,315	38,815	38,815	38,830
Basilan	20,849	23,000	30,000	32,000	36,000	36,160	36,200	36,700	36,700	36,700
Lanao del Sur	75	75	79	100	100	100	100	100	100	100
Maguindanao	1,110	1,500	2,000	2,015	2,015	2,015	2,015	2,015	2,015	2,030
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugarcane										
PHILIPPINES	**354,878**	**439,698**	**433,303**	**437,070**	**432,026**	**421,312**	**410,104**	**437,471**	**437,506**	**379,253**
CAR	171	170	170	339	1,217	1,213	1,085	1,101	1,017	1,233
Abra	18	18	18	18	18	18	18	18	18	18
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	5	5	5	8	8	6
Ifugao	..	..	..	10	15	11	11	11	11	4
Kalinga	130	130	130	289	1,156	1,156	1,029	1,027	952	1,177
Mountain Province	23	22	22	22	23	23	22	37	28	28
ILOCOS REGION	454	444	448	451	441	446	446	448	448	443
Ilocos Norte	189	189	189	191	191	194	193	193	193	193
Ilocos Sur	52	53	55	56	55	56	58	58	60	60
La Union	26	27	28	28	30	32	34	36	35	36
Pangasinan	187	175	177	176	165	165	161	161	159	154
CAGAYAN VALLEY	5,796	5,480	6,399	12,205	16,212	16,159	15,676	13,477	12,328	10,973
Batanes	..	..	2	2	2	1	1	1	1	1
Cagayan	4,743	4,355	4,677	5,428	5,168	5,570	5,425	5,160	4,650	3,622
Isabela	1,038	1,109	1,706	6,758	11,025	10,573	10,236	8,297	7,658	7,332
Nueva Vizcaya	3	4	2	2	2	1	2	2	2	2
Quirino	12	12	12	15	15	15	12	17	16	16
CENTRAL LUZON	17,816	18,826	20,233	18,976	17,664	15,372	15,407	16,683	16,338	9,704
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	128	68	58	53	43	41	41	41	41	36
Bulacan	1	1	1	1	1	1	1	1	1	1
Nueva Ecija	45	45	40	42	100	100	110	145	100	100
Pampanga	5,950	5,350	6,990	5,755	4,500	4,570	4,600	4,600	4,553	3,257
Tarlac	11,674	13,344	13,120	13,100	12,995	10,635	10,630	11,872	11,620	6,291
Zambales	18	18	25	25	25	25	25	24	23	19
CALABARZON	29,136	33,495	31,553	29,607	26,102	29,885	27,305	28,228	28,390	25,965
Batangas	28,491	32,833	30,390	28,433	24,920	28,272	25,693	26,672	26,672	24,290
Cavite	514	524	1,025	1,036	1,036	1,384	1,385	1,387	1,462	1,383
Laguna	131	138	138	138	146	144	142	144	143	142
Quezon	..	..	..	..	..	85	85	25	113	150
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	5,523	6,181	6,060	5,533	5,530	5,030	5,030	5,030	4,905	3,910
Albay	1,042	1,042	1,060	1,060	1,030	1,030	1,030	1,030	1,030	1,080
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	4,481	5,139	5,000	4,473	4,500	4,000	4,000	4,000	3,875	2,830
Catanduanes	0	0	0	0	0	0	0	0	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	0	0	0	0	0	0	0	0	0	0
WESTERN VISAYAS	170,262	214,657	214,338	221,230	215,532	217,758	209,500	201,833	219,332	200,476
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	917	917	908	916	926	918	916	916	910	910
Capiz	7,732	10,355	9,355	7,539	8,430	7,603	7,500	8,855	8,470	6,320
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	12,927	20,417	21,024	18,396	19,387	19,024	18,824	18,974	19,929	19,201
Negros Occidental	148,685	182,968	183,051	194,379	186,788	190,213	182,260	173,088	190,023	174,044
CENTRAL VISAYAS	41,884	44,074	42,749	44,988	48,278	44,083	45,834	45,947	44,905	44,344
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	5,879	9,504	6,622	5,808	9,127	5,046	6,919	7,108	5,737	5,459
Negros Oriental	36,005	34,570	36,127	39,180	39,150	39,037	38,915	38,839	39,168	38,885
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	8,412	8,412	8,557	6,512	8,542	7,458	6,456	10,205	10,205	10,205
Biliran	..	..	..	..	..	..	..	0	0	0
Eastern Samar	1	1	1	1	0	0	0	0	0	0
Leyte	8,408	8,408	8,552	6,507	8,538	7,454	6,452	10,201	10,201	10,201
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	4	4	4	4	4	4	4	4	4	4
Southern Leyte	0	0	0	0	0	0	0	0	0	0
ZAMBOANGA PENINSULA	98	97	91	90	87	33	33	32	32	28
Zamboanga del Norte	78	78	76	76	73	20	20	20	20	16
Zamboanga del Sur	2	2	2	2	2	3	3	2	2	2
Zamboanga Sibugay	8	8	4	4	4	3	2	2	2	2
City of Zamboanga	10	10	9	8	8	8	8	8	8	8
NORTHERN MINDANAO	55,297	82,700	76,373	70,871	72,008	65,321	61,427	90,945	76,455	49,598
Bukidnon	55,297	82,700	76,373	70,863	72,000	65,315	61,427	90,945	76,455	49,598
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	8	8	6	..	..	..	..
DAVAO REGION	7,332	11,317	9,598	9,607	7,999	4,425	10,174	8,551	9,301	8,739
Davao del Norte	16	14	12	10	6	5	4	4	4	3
Davao del Sur	7,310	11,299	9,582	9,594	7,992	4,419	10,168	8,545	9,295	8,733
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	0	0	0	0	0	0	0	0	0	0
Davao de Oro (Compostela Valley)	6	4	4	2	2	1	2	2	2	2
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	11,726	12,942	15,238	15,128	11,115	12,317	10,114	13,375	12,230	11,998
North Cotabato	7,755	8,512	10,086	9,941	6,665	7,971	7,168	10,553	9,509	9,060
Sarangani	1,857	1,808	2,130	1,678	1,498	1,457	981	956	940	1,165
Sultan Kudarat	1,253	1,816	2,101	2,465	2,186	2,109	1,481	1,499	1,419	1,436
South Cotabato	861	807	922	1,044	765	780	483	368	362	336
CARAGA	3	3	3	3	2	2	2	2	7	7
Agusan del Norte	1	1	1	1	0	0	0	0	0	0
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	0
Surigao del Norte	..	..	..	..	..	..	..	..	0	0
Surigao del Sur	2	2	2	2	2	2	2	2	6	6
ARMM	968	901	1,494	1,531	1,297	1,808	1,614	1,614	1,614	1,632
Basilan	2	2	2	2	0	..	..	..	..	..
Lanao del Sur	850	745	1,395	1,442	1,256	1,611	1,612	1,612	1,612	1,630
Maguindanao	114	152	95	85	39	195	0	0	0	0
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	2	2	2	2	2	2	2	2	2	2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tobacco										
PHILIPPINES	**29,707**	**32,235**	**34,025**	**34,451**	**36,082**	**33,096**	**32,501**	**30,829**	**28,212**	**28,008**
CAR	2,018	2,013	2,052	2,051	2,051	2,051	2,082	2,066	2,046	2,044
Abra	2,010	2,005	2,046	2,046	2,046	2,046	2,046	2,046	2,041	2,041
Apayao	2	2	2	2	2	2	2	2	2	1
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	1	1	1	1	1	1	1	1	1	1
Kalinga	5	5	3	2	2	2	33	17	2	1
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	20,021	21,509	22,278	23,055	23,747	23,221	21,973	20,503	18,828	18,454
Ilocos Norte	2,644	2,987	3,233	3,313	3,755	3,089	2,865	2,508	2,000	1,534
Ilocos Sur	12,171	13,375	13,758	14,498	14,751	14,836	13,966	13,024	12,428	12,272
La Union	2,841	2,752	2,911	3,035	3,082	3,139	2,985	2,952	2,400	2,385
Pangasinan	2,365	2,396	2,376	2,209	2,159	2,157	2,157	2,019	2,000	2,263
CAGAYAN VALLEY	6,595	7,716	8,403	7,371	7,980	5,541	5,784	4,389	4,894	5,440
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	1,690	2,210	2,159	1,557	1,500	1,290	708	471	575	734
Isabela	4,873	5,498	6,235	5,805	6,465	4,236	5,047	3,894	4,297	4,676
Nueva Vizcaya	10	8	9	9	15	15	28	24	22	30
Quirino	22	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	100	100	100	100	90	45	40	42	50	50
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	100	100	100	100	90	45	40	42	50	50
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	265	308	301	700	1,121	690	702	327	2	2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	262	305	299	698	1,119	688	700	325	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	3	3	2	2	2	2	2	2	2	2
BICOL REGION	4	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	4	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	184	182	181	107	169	171	169	168	165	164
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	11	12	10	10	11	11	12	11	9	9
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	148	145	146	72	133	135	132	135	134	134
Negros Occidental	25	25	25	25	25	25	25	22	22	21
CENTRAL VISAYAS	26	25	20	19	19	13	13	9	10	13
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	10	10	8	5	3	2	..	..	..	..
Negros Oriental	16	15	12	14	16	11	13	9	10	13
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	29	26	24	22	17	15	10	10	10	10
Biliran	1	1	1	1	1	1	1	1	1	1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	25	22	20	19	14	12	7	7	7	7
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2
Southern Leyte	1	1	1	1	0	0	0	0	0	0
ZAMBOANGA PENINSULA	30	28	23	30	31	29	28	24	14	15
Zamboanga del Norte	3	2	2	2	2	3	3	3	3	4
Zamboanga del Sur	18	17	15	15	16	16	15	10	..	..
Zamboanga Sibugay	8	8	5	12	12	9	9	10	10	10
City of Zamboanga	1	1	1	1	1	1	1	1	1	1
NORTHERN MINDANAO	350	250	576	943	810	1,280	1,647	3,251	2,170	1,795
Bukidnon	..	..	..	..	..	10	67	150	156	110
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	350	250	576	943	810	1,270	1,580	3,101	2,014	1,685
DAVAO REGION	17	15	14	12	12	12	12	11	10	9
Davao del Norte	5	4	4	4	4	4	4	4	4	4
Davao del Sur	5	4	4	3	3	3	3	2	2	2
City of Davao	1	1	1	1	1	1	1	1	0	0
Davao Oriental	4	4	3	3	3	3	3	3	3	2
Davao de Oro (Compostela Valley)	2	2	2	1	1	1	1	1	1	1
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	40	38	34	28	22	21	38	26	11	10
North Cotabato	22	22	20	15	12	11	10	7	5	5
Sarangani	14	12	10	9	6	6	5	5	4	4
Sultan Kudarat	2	2	2	2	2	2	2	2	0	0
South Cotabato	2	2	2	2	2	2	21	13	2	1
CARAGA	6	6	5	3	3	1	1	1	1	1
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	6	6	5	3	3	1	1	1	1	1
ARMM	22	20	15	10	9	6	3	3	2	2
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	22	20	15	10	9	6	3	3	2	2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tobacco Native										
PHILIPPINES	**7,143**	**7,965**	**7,723**	**7,074**	**6,127**	**4,891**	**3,690**	**4,662**	**4,335**	**4,800**
CAR	7	7	41	18	18	18	19	18	17	16
Abra	..	..	36	14	14	14	14	14	13	13
Apayao	2	2	2	2	2	2	2	2	2	1
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	5	5	3	2	2	2	2	2	2	1
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	2,507	2,490	2,507	2,193	2,263	2,303	2,391	2,471	2,342	2,366
Ilocos Norte	195	102	72	55	15	12	154	233	192	240
Ilocos Sur	809	787	850	727	831	858	823	824	885	861
La Union	789	886	930	965	975	992	995	995	850	850
Pangasinan	715	715	655	447	442	441	419	419	415	415
CAGAYAN VALLEY	3,918	4,877	4,284	3,692	2,882	1,681	244	389	488	902
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	1,098	1,579	1,544	1,036	982	815	94	173	263	304
Isabela	2,820	3,298	2,740	2,656	1,900	866	150	216	225	598
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3	3	2	2	2	2	2	2	2	2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	3	3	2	2	2	2	2	2	2	2
BICOL REGION	4	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	4	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	184	182	181	107	169	171	169	168	165	164
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	11	12	10	10	11	11	12	11	9	9
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	148	145	146	72	133	135	132	135	134	134
Negros Occidental	25	25	25	25	25	25	25	22	22	21
CENTRAL VISAYAS	25	24	19	18	18	12	13	9	10	13
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	10	10	8	5	3	2	..	..	..	..
Negros Oriental	15	14	11	13	15	10	13	9	10	13
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	29	26	24	22	17	15	10	10	10	10
Biliran	1	1	1	1	1	1	1	1	1	1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	25	22	20	19	14	12	7	7	7	7
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2
Southern Leyte	1	1	1	1	0	0	0	0	0	0
ZAMBOANGA PENINSULA	30	28	23	30	31	29	28	24	14	15
Zamboanga del Norte	3	2	2	2	2	3	3	3	3	4
Zamboanga del Sur	18	17	15	15	16	16	15	10	..	..
Zamboanga Sibugay	8	8	5	12	12	9	9	10	10	10
City of Zamboanga	1	1	1	1	1	1	1	1	1	1
NORTHERN MINDANAO	350	250	575	938	680	620	780	1,541	1,264	1,290
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	350	250	575	938	680	620	780	1,541	1,264	1,290
DAVAO REGION	17	15	14	12	12	12	12	11	10	9
Davao del Norte	5	4	4	4	4	4	4	4	4	4
Davao del Sur	5	4	4	3	3	3	3	2	2	2
City of Davao	1	1	1	1	1	1	1	1	0	0
Davao Oriental	4	4	3	3	3	3	3	3	3	2
Davao de Oro (Compostela Valley)	2	2	2	1	1	1	1	1	1	1
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	40	38	34	28	22	21	19	15	11	10
North Cotabato	22	22	20	15	12	11	10	7	5	5
Sarangani	14	12	10	9	6	6	5	5	4	4
Sultan Kudarat	2	2	2	2	2	2	2	2	0	0
South Cotabato	2	2	2	2	2	2	2	2	2	1
CARAGA	6	6	5	3	3	1	1	1	1	1
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	6	6	5	3	3	1	1	1	1	1
ARMM	22	20	15	10	9	6	3	3	2	2
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	22	20	15	10	9	6	3	3	2	2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tobacco Virginia										
PHILIPPINES	**17,392**	**18,731**	**19,508**	**20,539**	**21,133**	**21,107**	**20,091**	**19,578**	**17,407**	**16,336**
CAR	2,010	2,005	2,010	2,010	2,010	2,010	2,010	2,010	2,007	2,007
Abra	2,010	2,005	2,010	2,010	2,010	2,010	2,010	2,010	2,007	2,007
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	15,381	16,725	17,481	18,509	18,980	18,436	17,178	15,858	14,494	13,824
Ilocos Norte	2,250	2,612	2,865	2,963	3,319	2,711	2,432	2,101	1,749	1,225
Ilocos Sur	11,217	12,402	12,905	13,771	13,871	13,930	13,100	12,155	11,495	11,364
La Union	1,914	1,710	1,711	1,775	1,790	1,795	1,646	1,602	1,250	1,235
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	15	13	12	..	36	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	15	13	12	..	36	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	1	1	1	2	1	1	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	1	1	1	2	1	1	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	..	1	5	130	660	867	1,710	906	505
Bukidnon	..	..	..	..	..	10	67	150	156	110
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	1	5	130	650	800	1,560	750	395
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana										
PHILIPPINES	**449,443**	**450,125**	**454,262**	**446,017**	**442,751**	**443,370**	**442,865**	**446,764**	**447,889**	**449,030**
CAR	4,842	4,864	4,932	5,149	4,796	4,864	4,782	2,929	2,963	2,806
Abra	864	864	864	866	863	863	863	848	848	848
Apayao	2,216	2,318	2,379	2,569	2,290	2,345	2,288	535	550	644
Benguet	298	290	282	282	282	284	283	253	253	247
Ifugao	852	813	813	813	722	722	723	710	708	481
Kalinga	271	271	296	302	318	329	329	338	334	331
Mountain Province	341	308	298	317	321	321	296	245	270	255
ILOCOS REGION	7,615	7,538	7,590	7,615	7,614	7,589	7,485	7,444	7,442	7,477
Ilocos Norte	1,782	1,713	1,706	1,690	1,686	1,684	1,666	1,642	1,642	1,551
Ilocos Sur	1,492	1,487	1,485	1,492	1,492	1,488	1,497	1,491	1,491	1,491
La Union	1,104	1,105	1,126	1,159	1,165	1,148	1,163	1,163	1,163	1,163
Pangasinan	3,237	3,234	3,274	3,274	3,271	3,269	3,159	3,148	3,146	3,272
CAGAYAN VALLEY	23,651	23,656	24,130	25,504	25,806	25,807	25,992	25,454	25,472	25,468
Batanes	..	..	83	83	83	77	71	23	33	33
Cagayan	4,795	4,795	4,795	4,815	4,863	4,902	5,085	4,548	4,548	4,378
Isabela	9,801	9,811	10,202	11,557	11,810	11,747	11,737	11,737	11,748	11,645
Nueva Vizcaya	1,897	1,892	1,892	1,892	1,892	1,923	1,941	1,941	1,941	1,960
Quirino	7,158	7,158	7,158	7,158	7,158	7,158	7,158	7,205	7,202	7,452
CENTRAL LUZON	6,295	6,273	6,256	6,228	6,215	6,145	6,402	6,504	6,514	6,430
Aurora	2,055	2,055	2,067	2,073	2,126	2,118	2,250	2,359	2,362	2,086
Bataan	258	245	226	217	215	212	209	209	212	212
Bulacan	1,371	1,371	1,372	1,362	1,319	1,280	1,404	1,403	1,393	1,540
Nueva Ecija	654	654	654	654	654	654	647	647	647	647
Pampanga	492	493	493	493	493	493	493	493	493	494
Tarlac	870	870	870	870	860	850	859	860	860	862
Zambales	595	585	574	559	548	538	540	533	546	589
CALABARZON	29,663	29,706	29,925	29,879	28,670	27,375	27,095	27,050	26,983	27,009
Batangas	7,452	7,525	6,710	6,680	5,902	5,739	5,665	5,530	5,530	5,530
Cavite	3,875	3,875	3,897	3,870	3,870	3,738	3,742	3,743	3,740	3,740
Laguna	7,074	7,074	7,074	7,074	6,642	6,372	6,372	6,379	6,356	6,366
Quezon	9,220	9,190	10,202	10,213	10,213	9,781	9,781	9,863	9,813	9,813
Rizal	2,042	2,042	2,042	2,042	2,042	1,745	1,535	1,535	1,544	1,560
MIMAROPA	26,638	26,754	26,925	22,245	22,637	22,698	22,710	22,854	22,912	22,908
Marinduque	462	470	470	463	462	462	464	462	470	476
Occidental Mindoro	669	681	720	754	770	807	822	854	846	839
Oriental Mindoro	18,352	18,407	18,374	13,570	13,947	13,995	13,987	13,987	13,987	13,992
Palawan	5,453	5,485	5,650	5,743	5,756	5,785	5,783	5,861	5,901	5,924
Romblon	1,702	1,711	1,711	1,715	1,702	1,649	1,655	1,691	1,708	1,677
BICOL REGION	18,809	18,777	18,816	18,824	18,522	18,288	18,277	18,510	18,699	19,247
Albay	967	932	932	932	778	599	571	571	588	588
Camarines Norte	4,454	4,463	4,500	4,507	4,507	4,507	4,524	4,757	4,916	5,446
Camarines Sur	9,335	9,335	9,335	9,335	9,335	9,322	9,322	9,322	9,322	9,322
Catanduanes	407	407	407	407	407	407	407	407	407	425
Masbate	1,149	1,150	1,150	1,150	1,150	1,108	1,108	1,108	1,108	1,108
Sorsogon	2,497	2,490	2,492	2,493	2,345	2,345	2,345	2,345	2,358	2,358
WESTERN VISAYAS	34,427	34,698	34,900	34,964	32,575	32,731	32,662	32,667	32,779	32,876
Aklan	6,060	6,062	6,055	6,031	4,418	4,430	4,429	4,429	4,429	4,429
Antique	1,635	1,643	1,643	1,720	1,727	1,796	1,796	1,796	1,796	1,812
Capiz	2,430	2,431	2,435	2,435	1,758	1,786	1,791	1,794	1,804	1,806
Guimaras	544	564	564	570	582	586	592	593	597	595
Iloilo	14,255	14,495	14,700	14,705	14,703	14,746	14,779	14,781	14,789	14,789
Negros Occidental	9,503	9,503	9,503	9,503	9,387	9,387	9,275	9,275	9,365	9,445
CENTRAL VISAYAS	21,541	21,536	21,571	21,616	20,954	20,955	20,924	20,907	20,901	20,906
Bohol	3,035	3,035	3,035	3,093	2,367	2,367	2,367	2,361	2,363	2,360
Cebu	9,171	9,163	9,228	9,220	9,281	9,279	9,269	9,250	9,241	9,247
Negros Oriental	8,062	8,063	8,028	8,021	8,021	8,024	8,019	8,019	8,019	8,019
Siquijor	1,273	1,275	1,280	1,282	1,285	1,285	1,270	1,277	1,279	1,280
EASTERN VISAYAS	30,566	30,380	30,542	30,543	27,556	27,521	27,851	27,865	27,798	27,539
Biliran	1,428	1,430	1,430	1,431	1,235	1,234	1,241	1,242	1,137	1,127
Eastern Samar	1,440	1,431	1,434	1,434	1,407	1,407	1,407	1,407	1,407	1,338
Leyte	6,247	6,249	6,328	6,328	4,895	4,890	4,934	4,935	4,934	4,934
Northern Samar	5,390	5,390	5,390	5,390	5,396	5,379	5,379	5,379	5,389	5,392
Samar (Western Samar)	4,945	4,965	4,965	4,965	4,723	4,723	4,735	4,738	4,754	4,771
Southern Leyte	11,116	10,916	10,995	10,995	9,901	9,888	10,155	10,165	10,177	9,977
ZAMBOANGA PENINSULA	19,709	19,864	20,219	20,142	19,898	19,290	19,451	19,648	19,926	19,828
Zamboanga del Norte	7,878	8,075	8,436	8,437	8,430	8,416	8,413	8,605	8,858	8,951
Zamboanga del Sur	6,193	6,257	6,197	6,221	6,205	6,208	6,395	6,395	6,421	6,228
Zamboanga Sibugay	2,287	2,167	2,159	2,054	1,829	1,730	1,730	1,735	1,734	1,738
City of Zamboanga	3,351	3,365	3,427	3,430	3,434	2,936	2,913	2,913	2,913	2,911
NORTHERN MINDANAO	51,519	51,452	51,433	51,857	52,112	52,192	52,523	53,702	53,575	53,353
Bukidnon	20,502	20,392	20,379	20,791	20,789	20,884	20,984	21,159	21,219	21,264
Camiguin	1,260	1,260	1,257	1,246	1,245	1,245	1,235	1,237	1,236	1,221
Lanao del Norte	8,759	8,678	8,663	8,659	8,659	8,652	8,615	8,615	8,619	8,618
Misamis Occidental	4,540	4,582	4,584	4,584	4,717	4,737	4,727	5,129	5,129	5,140
Misamis Oriental	16,458	16,540	16,550	16,577	16,702	16,674	16,962	17,562	17,372	17,110
DAVAO REGION	87,313	88,379	88,320	83,628	86,482	88,275	89,087	92,650	92,438	92,397
Davao del Norte	35,359	35,933	35,603	35,320	36,153	36,368	37,309	37,279	37,287	36,639
Davao del Sur	15,072	15,192	15,374	15,373	15,384	15,413	15,353	15,353	15,357	11,693
City of Davao	5,489	5,517	5,575	5,550	5,552	6,834	6,978	7,237	7,258	7,305
Davao Oriental	9,070	9,414	9,590	8,694	10,431	10,529	10,659	10,705	10,750	10,793
Davao de Oro (Compostela Valley)	22,323	22,323	22,178	18,691	18,962	19,131	18,788	22,076	21,786	21,786
Davao Occidental	..	..	..	..	..	..	..	..	..	4,181
SOCCSKSARGEN	29,243	29,284	29,952	32,075	32,078	32,800	30,443	31,229	31,914	32,919
North Cotabato	15,263	15,283	15,368	16,675	16,663	16,212	14,040	14,250	14,274	15,192
Sarangani	3,276	3,542	3,670	3,713	3,882	3,808	3,624	3,745	3,824	3,852
Sultan Kudarat	2,738	2,588	2,235	2,422	2,361	3,700	3,980	4,456	4,828	4,817
South Cotabato	7,966	7,870	8,680	9,265	9,172	9,080	8,799	8,778	8,988	9,058
CARAGA	26,060	24,728	26,263	23,020	23,106	23,109	23,414	23,523	23,721	24,055
Agusan del Norte	9,008	8,771	8,635	5,418	5,415	5,323	5,337	5,347	5,348	5,351
Agusan del Sur	11,462	11,068	11,025	10,242	10,759	10,870	11,142	11,148	11,243	11,573
Dinagat Islands	..	..	..	77	76	76	78	80	97	97
Surigao del Norte	1,090	934	952	2,195	1,363	1,360	1,360	1,352	1,352	1,352
Surigao del Sur	4,500	3,955	5,651	5,087	5,493	5,481	5,497	5,597	5,681	5,682
ARMM	31,552	32,237	32,488	32,728	33,732	33,731	33,768	33,828	33,853	33,815
Basilan	7,094	7,094	7,104	7,119	7,104	7,104	7,104	7,104	7,104	7,104
Lanao del Sur	4,915	4,915	5,205	5,208	5,322	5,208	5,208	5,208	5,208	5,209
Maguindanao	16,286	16,993	16,942	17,162	18,077	18,192	18,225	18,225	18,247	18,247
Sulu	2,532	2,508	2,511	2,516	2,504	2,504	2,507	2,566	2,568	2,529
Tawi-tawi	725	727	726	723	725	723	724	725	726	726

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana Cavendish										
PHILIPPINES	**79,642**	**80,230**	**82,414**	**82,903**	**84,133**	**85,809**	**86,668**	**88,010**	**88,667**	**88,242**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	6	10	11	11	11	22	21	21	21	21
Batanes	..	..	1	1	1	1	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	6	10	10	10	10	21	21	21	21	21
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	44	44	44	44	44	32	32	32	32	37
Batangas	2	2	..	..	..	..	..	..	..	..
Cavite	..	..	2	2	2	2	2	2	2	2
Laguna	42	42	42	42	42	30	30	30	30	35
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	78	83	83
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	78	83	83
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	148	159	160	151	151	154	158	159	249	327
Aklan	2	3	2	2	2	5	5	5	5	5
Antique	6	7	7	8	9	9	9	9	9	9
Capiz	..	..	..	..	1	1	2	2	2	2
Guimaras	1	1	1	1	1	1	1	1	1	1
Iloilo	139	148	150	140	138	138	141	143	143	143
Negros Occidental	..	..	..	..	..	..	..	..	90	167
CENTRAL VISAYAS	94	97	112	112	170	158	137	87	80	79
Bohol	70	70	70	70	68	68	68	51	51	50
Cebu	3	5	20	20	79	64	45	12	4	4
Negros Oriental	21	22	22	22	22	25	23	23	23	23
Siquijor	..	..	..	..	1	1	1	1	2	2
EASTERN VISAYAS	34	34	36	36	28	27	27	27	26	26
Biliran	2	2	2	2	2	2	2	2	1	1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	32	32	34	34	26	25	25	25	25	25
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	30	29	98	72	68	20	17	35	34	16
Zamboanga del Norte	..	..	80	56	52	5	..	18	18	..
Zamboanga del Sur	26	25	15	13	13	13	15	15	14	14
Zamboanga Sibugay	4	4	3	3	3	2	2	2	2	2
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	16,707	16,635	16,628	17,074	17,168	17,268	17,354	17,502	17,565	17,625
Bukidnon	16,600	16,490	16,481	16,900	16,900	17,000	17,100	17,250	17,310	17,355
Camiguin	..	..	..	..	..	..	..	..	2	2
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	40	32	34	34	34	34	20	18	18	18
Misamis Oriental	67	113	113	140	234	234	234	234	235	250
DAVAO REGION	48,153	48,741	48,535	46,681	47,092	48,050	49,140	49,692	49,575	49,213
Davao del Norte	28,664	29,136	28,772	28,564	28,846	28,972	29,854	29,754	29,762	29,312
Davao del Sur	3,500	3,565	3,625	3,625	3,627	3,642	3,630	3,630	3,630	3,179
City of Davao	2,598	2,648	2,695	2,675	2,677	3,346	3,406	3,431	3,456	3,506
Davao Oriental	58	59	110	58	58	156	316	326	376	414
Davao de Oro (Compostela Valley)	13,333	13,333	13,333	11,759	11,884	11,934	11,934	12,551	12,351	12,351
Davao Occidental	..	..	..	..	..	..	..	..	..	451
SOCCSKSARGEN	9,219	9,283	10,140	11,668	11,784	12,516	12,180	12,724	13,337	12,817
North Cotabato	3,770	3,800	3,840	4,550	4,500	4,000	3,500	3,550	3,550	2,950
Sarangani	1,755	1,782	1,795	1,798	1,890	1,792	1,710	1,750	1,810	1,825
Sultan Kudarat	2	2	22	210	220	1,574	1,820	2,294	2,677	2,677
South Cotabato	3,692	3,699	4,483	5,110	5,174	5,150	5,150	5,130	5,300	5,365
CARAGA	842	804	2,105	2,146	2,546	2,545	2,545	2,595	2,608	2,941
Agusan del Norte	470	390	300	230	230	232	232	232	235	238
Agusan del Sur	4	2	1	1	1	1	1	7	17	347
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	68	50	40	15	15	12	12	6	6	6
Surigao del Sur	300	362	1,764	1,900	2,300	2,300	2,300	2,350	2,350	2,350
ARMM	4,365	4,395	4,545	4,908	5,072	5,018	5,058	5,058	5,058	5,058
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	5	5	155	408	522	408	408	408	408	408
Maguindanao	4,360	4,390	4,390	4,500	4,550	4,610	4,650	4,650	4,650	4,650
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana Lakatan										
PHILIPPINES	**56,579**	**57,032**	**58,071**	**55,908**	**56,395**	**56,473**	**54,675**	**54,978**	**55,040**	**57,128**
CAR	959	965	1,004	1,142	954	981	949	373	386	368
Abra	54	54	54	55	55	55	55	55	55	55
Apayao	750	760	800	946	760	790	760	185	204	207
Benguet	54	53	51	51	51	48	47	46	46	46
Ifugao	30	27	27	24	22	22	23	23	21	15
Kalinga	69	69	70	65	65	65	64	64	60	45
Mountain Province	2	2	2	1	1	1	..	..	..	..
ILOCOS REGION	280	282	283	283	279	260	254	254	252	242
Ilocos Norte	35	35	37	37	37	37	37	37	37	34
Ilocos Sur	21	23	25	25	25	25	25	25	25	25
La Union	118	118	118	117	117	100	100	100	100	100
Pangasinan	106	106	104	104	100	98	92	92	90	83
CAGAYAN VALLEY	3,231	3,214	3,245	3,286	3,283	3,105	3,125	3,032	3,036	3,197
Batanes	..	..	6	6	6	6	6	1	3	3
Cagayan	554	554	554	558	570	552	579	486	486	452
Isabela	1,065	1,065	1,090	1,127	1,112	952	942	942	944	930
Nueva Vizcaya	202	185	185	185	185	185	188	188	188	197
Quirino	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,415	1,415	1,615
CENTRAL LUZON	1,292	1,290	1,288	1,283	1,214	1,185	1,181	1,196	1,194	1,015
Aurora	335	335	341	342	290	260	260	276	280	198
Bataan	67	67	60	58	63	63	60	60	60	60
Bulacan	515	515	516	516	497	500	502	500	490	390
Nueva Ecija	117	117	117	117	117	117	115	115	115	115
Pampanga	145	145	145	145	145	145	145	145	145	145
Tarlac	22	22	22	22	22	22	22	23	23	24
Zambales	91	89	87	83	80	78	77	77	81	83
CALABARZON	2,423	2,406	2,391	2,388	2,349	2,253	2,251	2,303	2,271	2,273
Batangas	80	85	70	65	64	62	60	60	60	60
Cavite	795	795	795	795	795	775	775	776	775	775
Laguna	638	638	638	638	600	575	575	576	576	578
Quezon	700	678	678	680	680	651	651	701	665	665
Rizal	210	210	210	210	210	190	190	190	195	195
MIMAROPA	4,986	5,028	5,100	4,040	4,105	4,111	4,105	4,099	4,106	4,112
Marinduque	47	49	49	50	50	50	50	49	49	48
Occidental Mindoro	83	84	86	88	88	90	92	94	95	93
Oriental Mindoro	4,017	4,044	4,044	2,952	3,018	3,018	3,010	3,010	3,010	3,015
Palawan	785	795	865	893	895	899	899	899	905	909
Romblon	54	56	56	57	55	54	54	47	47	46
BICOL REGION	1,080	1,079	1,079	1,080	1,075	1,059	1,058	1,081	1,080	1,080
Albay	18	17	17	17	12	12	11	11	8	8
Camarines Norte	225	226	226	226	226	226	226	249	249	249
Camarines Sur	572	572	572	572	572	570	570	570	570	570
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	187	187	187	187	187	173	173	173	173	173
Sorsogon	78	77	77	78	78	78	78	78	80	80
WESTERN VISAYAS	1,771	1,816	1,874	1,893	1,880	1,896	1,903	1,905	1,906	1,909
Aklan	51	53	51	51	38	42	46	46	46	46
Antique	71	71	71	72	73	75	75	75	75	77
Capiz	20	20	20	20	15	17	19	20	22	22
Guimaras	12	22	22	25	26	30	30	31	29	27
Iloilo	1,167	1,200	1,260	1,275	1,278	1,282	1,286	1,286	1,287	1,287
Negros Occidental	450	450	450	450	450	450	447	447	447	450
CENTRAL VISAYAS	2,374	2,376	2,386	2,399	2,381	2,390	2,398	2,409	2,409	2,415
Bohol	507	507	507	515	494	494	494	494	494	494
Cebu	852	852	863	868	870	880	889	899	899	905
Negros Oriental	1,001	1,001	999	999	999	998	998	998	998	998
Siquijor	14	16	17	17	18	18	17	18	18	18
EASTERN VISAYAS	1,469	1,472	1,451	1,451	1,392	1,377	1,385	1,396	1,388	1,348
Biliran	113	113	113	113	94	94	94	85	68	66
Eastern Samar	185	184	184	184	184	184	184	184	184	140
Leyte	91	93	97	97	75	75	80	80	80	80
Northern Samar	597	597	597	597	598	595	595	595	599	599
Samar (Western Samar)	168	170	170	170	169	169	170	172	172	178
Southern Leyte	315	315	290	290	273	260	262	280	285	285
ZAMBOANGA PENINSULA	3,447	3,540	4,308	4,365	4,395	4,349	4,339	4,400	4,422	4,424
Zamboanga del Norte	1,685	1,688	1,965	1,980	1,986	2,017	2,020	2,079	2,098	2,108
Zamboanga del Sur	1,158	1,230	1,680	1,720	1,744	1,746	1,735	1,735	1,735	1,725
Zamboanga Sibugay	264	277	298	298	298	280	280	282	285	288
City of Zamboanga	340	345	365	367	367	306	304	304	304	303
NORTHERN MINDANAO	6,747	6,724	6,726	6,724	6,724	6,706	6,678	6,703	6,710	6,722
Bukidnon	1,710	1,710	1,704	1,704	1,704	1,704	1,704	1,730	1,730	1,730
Camiguin	10	10	11	9	9	9	9	9	9	9
Lanao del Norte	2,208	2,158	2,155	2,155	2,155	2,160	2,128	2,127	2,127	2,128
Misamis Occidental	946	946	946	946	946	946	950	950	950	955
Misamis Oriental	1,873	1,900	1,910	1,910	1,910	1,887	1,887	1,887	1,894	1,900
DAVAO REGION	11,144	11,345	11,417	10,971	11,287	11,669	11,648	12,374	12,312	12,770
Davao del Norte	1,296	1,377	1,396	1,358	1,584	1,596	1,594	1,614	1,619	1,598
Davao del Sur	3,400	3,450	3,550	3,550	3,553	3,561	3,513	3,513	3,513	3,478
City of Davao	648	698	701	703	705	1,055	1,105	1,255	1,256	1,256
Davao Oriental	4,130	4,150	4,200	4,120	4,200	4,200	4,188	4,188	4,180	4,176
Davao de Oro (Compostela Valley)	1,670	1,670	1,570	1,240	1,245	1,257	1,248	1,804	1,744	1,744
Davao Occidental	..	..	..	..	..	..	..	..	..	518
SOCCSKSARGEN	6,863	6,752	6,800	6,950	6,820	6,786	4,989	5,040	5,069	6,753
North Cotabato	3,750	3,750	3,770	3,970	4,000	4,030	2,500	2,535	2,535	4,238
Sarangani	350	375	420	440	512	515	443	485	492	495
Sultan Kudarat	364	330	340	340	290	291	411	380	380	370
South Cotabato	2,399	2,297	2,270	2,200	2,018	1,950	1,635	1,640	1,662	1,650
CARAGA	3,561	3,493	3,491	2,416	2,526	2,556	2,632	2,639	2,717	2,717
Agusan del Norte	1,290	1,290	1,290	550	547	547	545	545	545	545
Agusan del Sur	1,455	1,415	1,415	1,275	1,390	1,425	1,498	1,498	1,558	1,558
Dinagat Islands	..	..	..	1	1	1	1	2	10	10
Surigao del Norte	16	10	8	7	5	5	5	5	5	5
Surigao del Sur	800	778	778	583	583	578	583	590	600	600
ARMM	4,952	5,250	5,228	5,238	5,732	5,791	5,781	5,774	5,781	5,783
Basilan	587	587	570	570	560	560	560	560	560	560
Lanao del Sur	1,200	1,200	1,200	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Maguindanao	2,990	3,290	3,290	3,400	3,900	3,960	3,950	3,950	3,955	3,955
Sulu	127	125	120	120	122	122	122	115	117	118
Tawi-tawi	48	48	48	48	50	49	49	49	49	50

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana Saba										
PHILIPPINES	**185,800**	**186,317**	**187,428**	**183,484**	**182,416**	**182,001**	**182,414**	**185,279**	**185,700**	**185,866**
CAR	1,328	1,318	1,317	1,353	1,332	1,352	1,322	863	865	913
Abra	392	392	392	392	390	390	390	380	380	380
Apayao	497	510	511	520	510	525	511	94	83	150
Benguet	92	90	88	88	88	88	88	79	79	75
Ifugao	86	83	83	83	67	67	67	65	65	51
Kalinga	62	62	72	78	85	90	90	97	97	106
Mountain Province	199	181	171	192	192	192	176	148	161	151
ILOCOS REGION	3,161	3,104	3,113	3,144	3,151	3,151	3,053	3,039	3,039	3,006
Ilocos Norte	755	704	704	705	705	705	705	691	691	639
Ilocos Sur	542	542	542	547	547	547	547	547	547	547
La Union	319	319	330	355	362	362	363	363	363	363
Pangasinan	1,545	1,539	1,537	1,537	1,538	1,537	1,438	1,438	1,438	1,457
CAGAYAN VALLEY	14,397	14,422	14,676	15,797	15,865	16,032	16,028	15,937	15,943	15,859
Batanes	..	..	5	5	5	6	6	3	6	6
Cagayan	1,985	1,985	1,985	1,997	2,040	2,123	2,133	2,013	2,013	1,931
Isabela	7,262	7,262	7,512	8,620	8,645	8,722	8,702	8,702	8,705	8,650
Nueva Vizcaya	675	700	700	700	700	706	712	712	712	715
Quirino	4,475	4,475	4,475	4,475	4,475	4,475	4,475	4,507	4,507	4,557
CENTRAL LUZON	2,439	2,437	2,434	2,429	2,509	2,515	2,678	2,679	2,687	2,676
Aurora	999	999	1,005	1,008	1,100	1,118	1,250	1,280	1,280	1,075
Bataan	76	75	68	68	68	68	68	68	68	68
Bulacan	245	245	245	240	233	233	250	255	255	420
Nueva Ecija	242	242	242	242	242	242	242	242	242	242
Pampanga	120	121	121	121	121	121	121	121	121	122
Tarlac	473	473	473	473	470	460	463	463	463	463
Zambales	284	282	280	277	275	273	284	250	258	285
CALABARZON	17,312	17,362	17,602	17,582	17,393	16,575	16,472	16,351	16,346	16,364
Batangas	4,850	4,900	4,122	4,100	3,986	3,825	3,825	3,689	3,689	3,689
Cavite	2,185	2,185	2,185	2,178	2,178	2,100	2,102	2,102	2,102	2,104
Laguna	3,925	3,925	3,925	3,925	3,850	3,700	3,700	3,705	3,704	3,705
Quezon	5,090	5,090	6,108	6,117	6,117	5,850	5,850	5,860	5,852	5,852
Rizal	1,262	1,262	1,262	1,262	1,262	1,100	995	995	999	1,014
MIMAROPA	14,791	14,864	14,984	11,849	11,946	12,210	12,216	12,282	12,315	12,305
Marinduque	205	208	208	204	204	204	207	207	212	216
Occidental Mindoro	260	268	300	315	325	350	351	380	375	372
Oriental Mindoro	9,917	9,956	9,956	6,770	6,852	7,119	7,119	7,119	7,119	7,119
Palawan	3,120	3,140	3,228	3,266	3,276	3,296	3,296	3,296	3,316	3,324
Romblon	1,289	1,292	1,292	1,294	1,289	1,241	1,243	1,280	1,293	1,274
BICOL REGION	9,500	9,492	9,514	9,514	9,392	9,372	9,381	9,570	9,632	10,002
Albay	241	230	230	230	168	158	150	150	160	160
Camarines Norte	2,970	2,975	2,996	2,996	2,996	2,996	3,013	3,202	3,252	3,610
Camarines Sur	4,719	4,719	4,719	4,719	4,719	4,715	4,715	4,715	4,715	4,715
Catanduanes	213	213	213	213	213	213	213	213	213	225
Masbate	373	373	373	373	373	367	367	367	367	367
Sorsogon	984	982	983	983	923	923	923	923	925	925
WESTERN VISAYAS	18,721	18,825	18,887	18,929	17,274	17,354	17,315	17,318	17,327	17,332
Aklan	4,115	4,118	4,118	4,098	3,075	3,087	3,083	3,083	3,083	3,083
Antique	850	853	853	887	890	920	920	920	920	925
Capiz	2,147	2,147	2,147	2,147	1,600	1,610	1,610	1,610	1,613	1,613
Guimaras	420	425	425	428	435	435	438	438	441	441
Iloilo	7,095	7,188	7,250	7,275	7,282	7,310	7,322	7,325	7,328	7,328
Negros Occidental	4,094	4,094	4,094	4,094	3,992	3,992	3,942	3,942	3,942	3,942
CENTRAL VISAYAS	12,896	12,902	12,931	12,941	12,450	12,451	12,436	12,455	12,457	12,457
Bohol	1,520	1,520	1,520	1,540	1,049	1,049	1,049	1,061	1,063	1,063
Cebu	5,884	5,890	5,945	5,941	5,941	5,942	5,942	5,944	5,943	5,943
Negros Oriental	4,505	4,505	4,479	4,472	4,472	4,472	4,470	4,470	4,470	4,470
Siquijor	987	987	987	988	988	988	975	980	981	981
EASTERN VISAYAS	14,607	14,606	14,647	14,647	13,655	13,653	13,856	13,866	13,808	13,669
Biliran	939	940	940	940	780	781	782	784	726	722
Eastern Samar	710	707	708	708	708	708	708	708	708	710
Leyte	1,615	1,615	1,655	1,655	1,250	1,250	1,270	1,270	1,270	1,270
Northern Samar	2,578	2,578	2,578	2,578	2,579	2,576	2,576	2,576	2,576	2,578
Samar (Western Samar)	3,505	3,506	3,506	3,506	3,394	3,394	3,398	3,398	3,398	3,404
Southern Leyte	5,260	5,260	5,260	5,260	4,944	4,944	5,122	5,130	5,130	4,985
ZAMBOANGA PENINSULA	8,399	8,541	8,550	8,540	8,544	8,264	8,366	8,466	8,728	8,785
Zamboanga del Norte	3,891	4,017	4,020	4,030	4,035	4,050	4,055	4,152	4,376	4,431
Zamboanga del Sur	2,122	2,125	2,070	2,048	2,045	2,050	2,162	2,162	2,200	2,200
Zamboanga Sibugay	625	634	685	685	685	657	657	660	660	662
City of Zamboanga	1,761	1,765	1,775	1,777	1,779	1,507	1,492	1,492	1,492	1,492
NORTHERN MINDANAO	12,972	13,084	13,080	13,076	13,237	13,242	13,539	14,543	14,545	14,736
Bukidnon	1,630	1,630	1,629	1,630	1,630	1,630	1,630	1,630	1,630	1,630
Camiguin	960	960	957	952	952	952	949	950	949	940
Lanao del Norte	3,803	3,860	3,860	3,860	3,860	3,860	3,860	3,860	3,863	3,863
Misamis Occidental	2,190	2,245	2,245	2,245	2,375	2,375	2,375	2,778	2,778	2,778
Misamis Oriental	4,389	4,389	4,389	4,389	4,420	4,425	4,725	5,325	5,325	5,525
DAVAO REGION	21,943	22,150	22,165	20,136	22,110	22,306	22,182	24,177	24,160	24,065
Davao del Norte	4,353	4,365	4,378	4,356	4,561	4,682	4,745	4,784	4,772	4,637
Davao del Sur	6,680	6,685	6,685	6,685	6,687	6,691	6,691	6,691	6,695	3,600
City of Davao	1,570	1,560	1,562	1,561	1,561	1,561	1,565	1,565	1,566	1,566
Davao Oriental	4,000	4,200	4,250	3,542	5,176	5,176	5,160	5,167	5,167	5,173
Davao de Oro (Compostela Valley)	5,340	5,340	5,290	3,992	4,125	4,196	4,021	5,970	5,960	5,960
Davao Occidental	..	..	..	..	..	..	..	..	..	3,129
SOCCSKSARGEN	9,296	9,421	9,333	9,702	9,746	9,736	9,636	9,723	9,713	9,600
North Cotabato	5,960	5,960	5,975	6,335	6,345	6,350	6,300	6,325	6,325	6,200
Sarangani	730	916	925	930	934	940	935	960	960	963
Sultan Kudarat	1,700	1,635	1,517	1,517	1,517	1,494	1,425	1,458	1,447	1,447
South Cotabato	906	910	916	920	950	952	976	980	981	990
CARAGA	9,417	8,800	9,030	8,671	8,284	8,260	8,404	8,425	8,534	8,536
Agusan del Norte	3,305	3,300	3,275	2,750	2,750	2,700	2,720	2,720	2,720	2,720
Agusan del Sur	3,575	3,585	3,545	2,950	3,146	3,173	3,294	3,294	3,319	3,319
Dinagat Islands	..	..	..	35	35	35	35	36	50	50
Surigao del Norte	802	680	680	1,751	1,165	1,165	1,165	1,165	1,165	1,165
Surigao del Sur	1,735	1,235	1,530	1,185	1,188	1,187	1,190	1,210	1,280	1,282
ARMM	14,621	14,990	15,165	15,174	15,528	15,528	15,531	15,586	15,602	15,561
Basilan	3,739	3,739	3,815	3,824	3,824	3,824	3,824	3,824	3,824	3,824
Lanao del Sur	1,200	1,200	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
Maguindanao	7,750	8,138	8,138	8,138	8,500	8,500	8,500	8,500	8,515	8,515
Sulu	1,570	1,550	1,550	1,550	1,542	1,542	1,545	1,600	1,600	1,560
Tawi-tawi	362	363	362	362	362	362	362	362	363	362

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Calamansi										
PHILIPPINES	**20,987**	**21,141**	**20,843**	**20,262**	**20,065**	**19,993**	**19,824**	**19,788**	**19,778**	**19,617**
CAR	64	65	67	69	73	75	73	74	71	71
Abra	11	11	11	11	11	11	11	11	11	11
Apayao	18	18	20	20	25	25	23	24	21	21
Benguet	12	13	13	13	13	13	13	13	13	13
Ifugao	11	11	11	11	11	11	11	11	11	11
Kalinga	7	8	8	10	10	12	12	12	12	12
Mountain Province	5	4	4	4	3	3	3	3	3	3
ILOCOS REGION	1,026	1,026	1,026	1,026	1,026	1,026	1,018	1,015	1,016	981
Ilocos Norte	142	142	142	139	139	139	131	127	127	113
Ilocos Sur	113	113	113	116	116	116	116	115	115	115
La Union	141	141	141	141	141	141	141	144	144	144
Pangasinan	630	630	630	630	630	630	630	630	630	609
CAGAYAN VALLEY	1,182	1,168	1,188	1,207	1,225	1,227	1,229	1,199	1,199	1,175
Batanes	..	..	17	17	15	14	14	11	11	11
Cagayan	500	500	503	508	505	508	510	478	478	452
Isabela	546	536	536	550	570	570	570	575	575	575
Nueva Vizcaya	71	67	67	67	67	70	70	70	70	71
Quirino	65	65	65	65	68	65	65	65	65	66
CENTRAL LUZON	1,238	1,234	1,230	1,225	1,243	1,250	1,248	1,244	1,250	1,229
Aurora	220	218	220	220	255	255	253	240	240	221
Bataan	32	30	30	32	28	28	28	28	28	28
Bulacan	120	120	120	120	107	110	112	112	113	112
Nueva Ecija	450	450	450	450	450	452	450	452	452	452
Pampanga	175	175	175	175	175	175	175	180	180	180
Tarlac	129	129	120	110	110	110	110	110	110	112
Zambales	112	112	115	118	118	120	120	122	127	124
CALABARZON	1,480	1,726	1,756	1,734	1,661	1,662	1,662	1,658	1,656	1,655
Batangas	434	679	679	687	614	614	614	614	614	614
Cavite	105	105	105	105	105	105	105	105	105	104
Laguna	419	420	420	420	420	421	421	415	415	415
Quezon	450	450	480	450	450	450	450	452	452	452
Rizal	72	72	72	72	72	72	72	72	70	70
MIMAROPA	7,977	7,989	7,663	6,862	6,579	6,585	6,571	6,563	6,567	6,576
Marinduque	20	21	21	21	20	20	21	22	23	23
Occidental Mindoro	55	55	61	65	65	66	68	70	71	72
Oriental Mindoro	7,323	7,325	6,995	6,185	5,903	5,903	5,886	5,874	5,874	5,884
Palawan	536	545	547	553	553	558	558	558	560	560
Romblon	43	43	39	38	37	37	38	39	39	37
BICOL REGION	993	988	967	952	947	885	827	827	827	821
Albay	148	145	140	130	125	70	68	68	68	68
Camarines Norte	84	82	84	85	85	85	94	94	94	89
Camarines Sur	479	479	479	479	479	475	475	475	475	475
Catanduanes	11	11	11	11	11	11	11	11	11	12
Masbate	47	47	47	47	47	44	44	44	44	44
Sorsogon	224	224	206	200	200	200	135	135	135	134
WESTERN VISAYAS	934	919	899	878	841	793	791	791	792	797
Aklan	150	150	150	150	120	120	120	120	120	120
Antique	17	19	19	20	20	21	21	21	21	22
Capiz	40	40	42	42	37	38	38	38	39	43
Guimaras	435	420	400	375	375	325	325	325	325	325
Iloilo	272	270	268	271	269	269	269	269	269	269
Negros Occidental	20	20	20	20	20	20	18	18	18	18
CENTRAL VISAYAS	251	251	250	247	247	251	249	255	255	255
Bohol	25	25	25	25	25	25	25	30	30	30
Cebu	116	116	115	112	112	115	113	114	114	114
Negros Oriental	103	103	103	104	104	105	105	105	105	105
Siquijor	7	7	7	6	6	6	6	6	6	6
EASTERN VISAYAS	196	197	205	205	177	177	178	182	187	188
Biliran	10	10	10	10	9	9	10	12	13	12
Eastern Samar	46	46	47	47	47	47	47	47	50	50
Leyte	86	86	91	91	65	65	65	65	65	65
Northern Samar	13	14	14	14	14	14	14	14	15	15
Samar (Western Samar)	6	6	6	6	6	6	6	6	6	8
Southern Leyte	35	35	37	37	36	36	37	38	39	39
ZAMBOANGA PENINSULA	1,087	1,092	1,079	1,077	1,037	1,030	1,027	1,025	1,024	1,024
Zamboanga del Norte	207	210	215	215	180	182	182	180	182	182
Zamboanga del Sur	45	48	49	52	52	54	53	53	52	52
Zamboanga Sibugay	750	750	745	745	745	734	734	734	732	732
City of Zamboanga	85	84	70	65	60	60	58	58	58	58
NORTHERN MINDANAO	425	424	424	424	662	682	660	660	660	661
Bukidnon	60	60	60	60	60	60	60	60	60	60
Camiguin	7	7	7	7	7	7	7	7	7	7
Lanao del Norte	240	242	242	242	480	500	480	480	480	480
Misamis Occidental	50	50	50	50	50	50	50	50	50	52
Misamis Oriental	68	65	65	65	65	65	63	63	63	62
DAVAO REGION	1,992	1,947	1,946	1,797	1,790	1,788	1,770	1,770	1,748	1,697
Davao del Norte	1,272	1,275	1,275	1,273	1,269	1,272	1,291	1,294	1,272	1,221
Davao del Sur	102	104	105	105	105	105	105	105	105	100
City of Davao	112	62	58	54	50	45	30	28	28	28
Davao Oriental	48	48	48	44	45	45	45	46	46	46
Davao de Oro (Compostela Valley)	458	458	460	321	321	321	299	297	297	297
Davao Occidental	..	..	..	..	..	..	..	..	..	5
SOCCSKSARGEN	927	929	995	997	1,000	1,004	962	963	967	926
North Cotabato	615	615	618	618	618	618	580	580	580	535
Sarangani	45	47	47	44	40	41	40	41	40	40
Sultan Kudarat	99	99	160	160	160	162	158	158	158	158
South Cotabato	168	168	170	175	182	182	184	184	189	193
CARAGA	1,066	1,037	997	1,412	1,408	1,411	1,412	1,413	1,410	1,410
Agusan del Norte	130	120	90	41	41	42	42	40	40	40
Agusan del Sur	780	782	782	1,274	1,275	1,277	1,275	1,275	1,275	1,275
Dinagat Islands	..	..	..	9	9	9	9	9	9	9
Surigao del Norte	66	45	45	36	31	31	31	31	31	31
Surigao del Sur	90	90	80	52	52	52	55	58	55	55
ARMM	149	149	151	149	148	148	148	148	148	150
Basilan	16	16	15	15	15	15	15	15	15	15
Lanao del Sur	17	17	17	15	16	15	15	15	15	15
Maguindanao	65	65	66	66	66	66	66	66	66	66
Sulu	40	40	42	42	40	41	41	41	41	42
Tawi-tawi	11	11	11	11	11	11	11	11	11	12

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Durian										
PHILIPPINES	**18,838**	**19,001**	**19,392**	**16,366**	**16,542**	**16,623**	**16,619**	**16,672**	**16,693**	**16,678**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	1	1	1	1	1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	1	1	1	1	1
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	3	3	3	3	3	4	4	4	4	4
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	3	3	3	3	3	4	4	4	4	4
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	2	4	4	4	4	5	5	5	5
Aurora	..	2	4	4	4	4	5	5	5	5
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	34	34	37	37	37	37	38	38	38	38
Batangas	2	2	2	2	2	2	2	2	2	2
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	32	32	35	35	35	35	36	36	36	36
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	30	33	33	35	36	45	43	43	43	46
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	19	21	21	23	23	32	30	30	30	33
Palawan	11	12	12	12	13	13	13	13	13	13
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	181	181	181	181	181	171	171	172	173	173
Aklan	..	..	..	..	..	..	..	..	1	1
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	1	1	1
Iloilo	93	93	93	93	93	83	83	83	83	83
Negros Occidental	88	88	88	88	88	88	88	88	88	88
CENTRAL VISAYAS	18	19	19	20	22	24	25	25	25	26
Bohol	..	..	..	..	2	2	3	3	3	3
Cebu	3	3	4	4	4	4	4	4	4	4
Negros Oriental	14	15	15	16	16	18	18	18	18	18
Siquijor	1	1	1	1	1	1	1	1	1	1
EASTERN VISAYAS	34	38	43	43	32	32	32	24	25	31
Biliran	10	10	10	10	8	8	8	..	0	2
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	24	24	29	29	20	20	20	20	20	20
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	3
Southern Leyte	..	4	4	4	4	4	4	4	5	6
ZAMBOANGA PENINSULA	1,037	1,061	1,066	1,080	1,088	1,091	1,102	1,108	1,113	1,161
Zamboanga del Norte	874	879	882	889	895	900	900	910	915	956
Zamboanga del Sur	53	57	58	65	67	65	76	70	70	75
Zamboanga Sibugay	65	80	80	80	80	80	80	82	82	82
City of Zamboanga	45	45	46	46	46	46	46	46	46	48
NORTHERN MINDANAO	1,419	1,419	1,425	1,426	1,432	1,432	1,432	1,432	1,434	1,433
Bukidnon	750	750	750	750	750	750	750	750	750	750
Camiguin	5	5	6	6	6	6	6	6	6	6
Lanao del Norte	528	528	528	528	528	528	528	528	528	530
Misamis Occidental	46	46	46	46	52	52	52	52	52	52
Misamis Oriental	90	90	95	96	96	96	96	96	98	95
DAVAO REGION	11,409	11,510	11,540	8,083	8,238	8,330	8,344	8,395	8,400	8,301
Davao del Norte	2,342	2,346	2,375	2,327	2,469	2,514	2,520	2,514	2,415	2,314
Davao del Sur	1,205	1,300	1,300	1,300	1,300	1,300	1,305	1,305	1,305	757
City of Davao	2,830	2,832	2,833	2,834	2,834	2,834	2,834	2,860	2,960	2,960
Davao Oriental	157	157	157	160	160	162	165	169	173	175
Davao de Oro (Compostela Valley)	4,875	4,875	4,875	1,462	1,475	1,520	1,520	1,547	1,547	1,547
Davao Occidental	..	..	..	..	..	..	..	..	..	548
SOCCSKSARGEN	1,828	1,847	1,930	2,192	2,204	2,202	2,159	2,163	2,163	2,196
North Cotabato	910	925	925	960	963	960	920	920	920	950
Sarangani	118	120	125	130	131	132	131	131	131	131
Sultan Kudarat	360	360	360	400	400	400	400	400	400	400
South Cotabato	440	442	520	702	710	710	708	712	712	715
CARAGA	1,689	1,689	1,796	1,947	1,950	1,935	1,949	1,949	1,955	1,950
Agusan del Norte	45	45	65	160	160	150	150	150	150	150
Agusan del Sur	1,249	1,249	1,276	1,300	1,303	1,309	1,323	1,323	1,323	1,323
Dinagat Islands	..	..	..	2	2	2	2	2	3	3
Surigao del Norte	5	5	5	19	19	19	19	19	19	19
Surigao del Sur	390	390	450	466	466	455	455	455	460	455
ARMM	1,156	1,165	1,315	1,315	1,315	1,315	1,314	1,314	1,314	1,314
Basilan	30	30	31	31	31	31	31	31	31	31
Lanao del Sur	112	112	112	112	112	112	112	112	112	112
Maguindanao	200	200	350	350	350	350	350	350	350	350
Sulu	760	770	770	770	770	770	770	770	770	770
Tawi-tawi	54	53	52	52	52	52	51	51	51	51

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lanzones										
PHILIPPINES	**20,505**	**20,586**	**20,663**	**19,940**	**19,936**	**20,158**	**20,144**	**20,842**	**21,287**	**21,490**
CAR	26	26	28	31	38	45	41	42	40	51
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	20	20	22	25	30	30	26	27	25	30
Benguet	..	..	..	..	..	5	5	5	5	5
Ifugao	..	..	..	..	..	..	..	..	..	6
Kalinga	6	6	6	6	8	10	10	10	10	10
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	8	10	10	13	14	14	14	14	15	15
Ilocos Norte	3	3	3	3	4	4	4	4	4	4
Ilocos Sur	..	..	..	2	3	3	3	3	3	3
La Union	5	7	7	8	8	8	8	8	8	8
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	27	26	28	28	28	30	30	31	32	31
Batanes	..	..	0	0	0	0	0	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	5	5	7	5	5	5	6	6	6	5
Nueva Vizcaya	22	21	21	21	21	23	23	23	23	23
Quirino	..	..	..	2	2	2	2	2	3	3
CENTRAL LUZON	6	8	9	11	13	14	29	24	23	23
Aurora	1	3	5	7	9	10	25	20	20	20
Bataan	3	3	2	2	2	2	2	2	2	2
Bulacan	1	1	1	1	1	1	1	1	1	1
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	1	1	1	1	1	1	1	1	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	4,321	4,321	4,423	4,326	4,326	4,331	4,363	4,367	4,385	4,384
Batangas	520	520	520	520	520	520	550	550	550	550
Cavite	75	75	75	75	75	75	75	75	75	74
Laguna	3,605	3,605	3,610	3,610	3,610	3,615	3,617	3,617	3,635	3,635
Quezon	121	121	218	121	121	121	121	125	125	125
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	325	329	329	346	348	546	545	543	543	550
Marinduque	6	6	6	6	6	6	5	5	5	5
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	312	315	315	332	332	530	530	528	528	535
Palawan	7	8	8	8	10	10	10	10	10	10
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	34	35	35	35	35	33	36	36	36	36
Albay	2	2	2	2	2	..	3	3	3	3
Camarines Norte	7	8	8	8	8	8	8	8	8	8
Camarines Sur	15	15	15	15	15	15	15	15	15	15
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	10	10	10	10	10	10	10	10	10	10
WESTERN VISAYAS	486	486	487	487	463	454	456	456	457	458
Aklan	30	30	30	30	10	10	10	10	10	10
Antique	2	2	3	3	3	4	4	4	4	4
Capiz	13	13	13	13	9	9	10	10	11	12
Guimaras	1	1	1	1	1	1	2	2	2	2
Iloilo	150	150	150	150	150	140	140	140	140	140
Negros Occidental	290	290	290	290	290	290	290	290	290	290
CENTRAL VISAYAS	98	103	106	109	110	112	112	114	114	114
Bohol	3	3	3	5	5	5	5	5	5	5
Cebu	41	46	50	50	50	50	50	52	52	52
Negros Oriental	44	44	43	43	43	45	45	45	45	45
Siquijor	10	10	10	11	12	12	12	12	12	12
EASTERN VISAYAS	187	187	192	193	157	161	161	162	160	168
Biliran	38	38	39	38	23	23	23	25	25	24
Eastern Samar	2	2	2	2	2	2	2	2	1	1
Leyte	75	75	80	80	60	60	60	60	60	60
Northern Samar	7	7	7	8	8	8	8	8	7	8
Samar (Western Samar)	12	12	12	12	11	12	12	7	7	15
Southern Leyte	53	53	53	53	53	56	56	60	60	60
ZAMBOANGA PENINSULA	1,936	1,960	1,965	1,971	1,977	1,977	1,988	1,990	1,992	2,001
Zamboanga del Norte	1,750	1,752	1,755	1,762	1,768	1,768	1,768	1,778	1,780	1,783
Zamboanga del Sur	76	78	78	78	78	78	89	81	81	81
Zamboanga Sibugay	70	90	90	90	90	90	90	90	90	95
City of Zamboanga	40	40	42	41	41	41	41	41	41	42
NORTHERN MINDANAO	3,345	3,335	3,341	3,343	3,350	3,350	3,336	3,343	3,343	3,458
Bukidnon	80	80	80	80	80	80	80	80	80	80
Camiguin	1,295	1,295	1,296	1,296	1,296	1,296	1,279	1,281	1,281	1,281
Lanao del Norte	275	275	280	280	280	280	280	280	280	280
Misamis Occidental	290	280	280	280	287	287	287	287	287	287
Misamis Oriental	1,405	1,405	1,405	1,407	1,407	1,407	1,410	1,415	1,415	1,530
DAVAO REGION	2,123	2,143	2,144	1,178	1,176	1,186	1,188	1,875	2,275	2,263
Davao del Norte	363	363	363	359	361	365	366	365	358	340
Davao del Sur	155	155	155	155	157	157	157	157	156	93
City of Davao	203	203	204	205	205	205	205	350	755	755
Davao Oriental	37	57	57	50	44	44	45	47	50	56
Davao de Oro (Compostela Valley)	1,365	1,365	1,365	409	409	415	415	956	956	956
Davao Occidental	..	..	..	..	..	..	..	..	..	63
SOCCSKSARGEN	1,318	1,347	1,298	1,302	1,307	1,305	1,251	1,251	1,251	1,316
North Cotabato	772	800	750	750	752	750	700	700	700	760
Sarangani	73	73	74	78	79	79	78	78	78	78
Sultan Kudarat	88	88	88	88	88	88	88	88	88	88
South Cotabato	385	386	386	386	388	388	385	385	385	390
CARAGA	832	828	823	1,123	1,150	1,150	1,143	1,143	1,170	1,170
Agusan del Norte	15	15	15	145	145	145	140	140	140	140
Agusan del Sur	775	775	770	770	797	797	803	803	813	813
Dinagat Islands	..	..	..	4	3	3	3	3	20	20
Surigao del Norte	12	8	8	44	45	45	37	37	37	37
Surigao del Sur	30	30	30	160	160	160	160	160	160	160
ARMM	5,433	5,443	5,446	5,446	5,446	5,452	5,452	5,452	5,452	5,453
Basilan	35	35	33	33	33	33	33	33	33	33
Lanao del Sur	220	220	220	220	220	220	220	220	220	221
Maguindanao	30	30	30	30	30	36	36	36	36	36
Sulu	5,100	5,110	5,115	5,115	5,115	5,115	5,115	5,115	5,115	5,115
Tawi-tawi	48	48	48	48	48	48	48	48	48	48

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mandarin										
PHILIPPINES	**9,289**	**9,107**	**9,113**	**9,009**	**8,982**	**8,779**	**8,747**	**8,597**	**8,594**	**8,566**
CAR	177	177	185	197	204	213	206	196	189	175
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	62	62	65	68	75	75	68	61	54	52
Benguet	44	44	44	44	44	44	44	42	42	40
Ifugao	17	17	17	17	17	17	17	17	17	17
Kalinga	35	35	35	35	35	38	38	38	38	28
Mountain Province	19	19	24	33	33	39	39	38	38	38
ILOCOS REGION	20	20	21	21	23	23	23	23	23	19
Ilocos Norte	14	14	15	15	17	17	17	17	17	13
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	6	6	6	6	6	6	6	6	6	6
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	1,483	1,473	1,475	1,482	1,469	1,480	1,480	1,352	1,352	1,352
Batanes	..	..	4	4	3	3	3	2	2	2
Cagayan	348	348	348	355	342	342	342	210	210	210
Isabela	150	140	138	138	138	140	140	140	140	140
Nueva Vizcaya	900	900	900	900	900	910	910	910	910	910
Quirino	85	85	85	85	86	85	85	90	90	90
CENTRAL LUZON	401	396	392	382	373	373	361	361	385	384
Aurora	393	388	384	374	365	365	354	354	377	377
Bataan	1	1	1	1	1	1	0	..	1	1
Bulacan	7	7	7	7	7	7	7	7	7	6
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	2,150	2,148	2,168	2,153	2,200	2,090	2,095	2,075	2,070	2,068
Batangas	160	160	180	165	212	170	170	150	150	150
Cavite	20	20	20	20	20	20	20	20	20	20
Laguna	1,750	1,750	1,750	1,750	1,750	1,700	1,705	1,705	1,702	1,702
Quezon	170	168	168	168	168	150	150	150	148	148
Rizal	50	50	50	50	50	50	50	50	50	48
MIMAROPA	692	693	693	673	653	581	570	566	566	567
Marinduque	5	5	5	5	5	5	5	5	5	5
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	670	671	671	651	631	559	549	544	544	545
Palawan	17	17	17	17	17	17	17	17	17	17
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	1,741	1,720	1,720	1,720	1,720	1,713	1,713	1,723	1,723	1,723
Albay	55	55	55	55	55	50	50	50	50	50
Camarines Norte	921	900	900	900	900	900	900	910	910	910
Camarines Sur	744	744	744	744	744	744	744	744	744	744
Catanduanes	1	1	1	1	1	1	1	1	1	1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	20	20	20	20	20	18	18	18	18	18
WESTERN VISAYAS	47	47	46	54	38	37	38	38	38	38
Aklan	24	24	24	24	8	8	8	8	8	8
Antique	3	3	3	4	4	4	4	4	4	3
Capiz	..	..	..	7	6	6	6	6	7	7
Guimaras	6	6	6	7	7	7	8	8	8	8
Iloilo	14	14	13	13	13	12	12	12	12	12
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	43	43	33	32	26	24	19	19	19	19
Bohol	..	..	..	1	1	1	1	1	1	1
Cebu	30	30	20	18	12	10	7	7	7	7
Negros Oriental	13	13	13	13	13	13	11	11	11	11
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	39	40	40	38	31	17	17	18	17	20
Biliran	1	1	1	1	1	1	0	1	1	1
Eastern Samar	2	2	2	2	2	2	2	2	2	2
Leyte	31	32	32	30	24	10	10	10	10	10
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	3	3	3	3	3	3	3	3	3	5
Southern Leyte	2	2	2	2	2	2	2	2	2	2
ZAMBOANGA PENINSULA	15	10	10	10	10	8	8	8	8	8
Zamboanga del Norte	15	10	10	10	10	8	8	8	8	8
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	35	28	28	26	25	24	23	22	22	20
Bukidnon	22	15	15	15	15	15	15	15	15	15
Camiguin	..	..	..	..	..	..	..	..	0	0
Lanao del Norte	8	8	8	7	6	5	4	3	3	1
Misamis Occidental	2	2	2	2	2	2	2	2	2	2
Misamis Oriental	3	3	3	2	2	2	2	2	2	2
DAVAO REGION	656	627	623	559	549	536	536	539	524	516
Davao del Norte	54	53	52	50	48	47	47	46	46	46
Davao del Sur	45	37	37	35	34	34	34	34	34	30
City of Davao	130	120	119	118	114	105	105	90	80	80
Davao Oriental	350	340	340	331	328	328	328	312	307	300
Davao de Oro (Compostela Valley)	77	77	75	25	25	22	22	57	57	57
Davao Occidental	..	..	..	..	..	..	..	..	..	4
SOCCSKSARGEN	19	19	18	17	16	16	15	15	15	15
North Cotabato	9	9	9	7	7	7	6	6	6	6
Sarangani	3	4	4	4	4	4	4	4	4	4
Sultan Kudarat	3	2	1	1	1	1	0	0	0	0
South Cotabato	4	5	5	5	5	5	5	5	5	5
CARAGA	50	46	44	29	29	28	27	27	27	27
Agusan del Norte	8	8	5	2	2	2	1	1	1	1
Agusan del Sur	4	4	4	4	4	4	4	4	4	4
Dinagat Islands	..	..	..	2	2	2	2	2	2	2
Surigao del Norte	12	8	9	8	8	8	8	8	8	8
Surigao del Sur	26	26	26	13	13	13	12	12	12	12
ARMM	1,721	1,620	1,618	1,617	1,617	1,617	1,617	1,617	1,616	1,616
Basilan	5	5	3	3	3	3	3	3	3	3
Lanao del Sur	2	2	2	2	2	2	2	2	2	2
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	1,700	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Tawi-tawi	14	13	13	12	12	12	12	12	11	11

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mango										
PHILIPPINES	**189,437**	**187,073**	**188,718**	**187,939**	**188,092**	**188,422**	**187,834**	**186,038**	**185,858**	**186,621**
CAR	792	794	766	779	782	794	791	789	783	776
Abra	110	110	110	110	110	110	110	125	125	125
Apayao	88	90	88	88	88	88	87	79	76	77
Benguet	264	264	238	238	238	238	238	236	236	232
Ifugao	116	116	116	116	115	119	119	119	119	119
Kalinga	80	80	84	96	101	107	107	103	103	99
Mountain Province	134	134	130	131	130	132	130	127	124	124
ILOCOS REGION	21,204	21,341	21,585	22,118	22,269	22,264	21,855	21,487	21,475	22,478
Ilocos Norte	4,050	4,226	4,462	4,754	4,866	4,866	4,876	4,861	4,849	4,774
Ilocos Sur	1,231	1,276	1,276	1,312	1,312	1,312	1,312	1,312	1,312	1,312
La Union	2,100	2,100	2,110	2,316	2,357	2,355	2,476	2,476	2,476	2,476
Pangasinan	13,823	13,739	13,737	13,737	13,735	13,731	13,192	12,839	12,839	13,917
CAGAYAN VALLEY	10,496	10,002	10,046	10,410	10,417	10,416	10,419	10,250	10,243	10,237
Batanes	..	..	102	102	86	80	76	30	25	25
Cagayan	2,383	2,404	2,404	2,460	2,499	2,509	2,509	2,396	2,396	2,386
Isabela	3,445	2,930	2,872	3,153	3,144	3,144	3,154	3,141	3,139	3,136
Nueva Vizcaya	3,772	3,772	3,772	3,772	3,765	3,760	3,760	3,760	3,760	3,767
Quirino	896	896	896	923	923	923	920	923	923	923
CENTRAL LUZON	33,714	33,678	34,297	34,360	34,108	33,543	33,576	33,571	33,500	33,649
Aurora	25	25	27	28	34	34	42	42	42	44
Bataan	1,131	1,085	1,055	1,050	1,040	1,040	1,040	1,092	1,032	1,032
Bulacan	8,840	8,840	8,840	8,835	8,762	8,764	8,775	8,773	8,764	8,926
Nueva Ecija	11,040	11,040	11,404	10,800	10,800	10,178	10,178	10,178	10,178	10,178
Pampanga	915	925	1,141	1,410	1,360	1,360	1,360	1,305	1,305	1,305
Tarlac	3,455	3,455	3,455	3,455	3,330	3,330	3,330	3,330	3,328	3,328
Zambales	8,308	8,308	8,375	8,782	8,782	8,837	8,851	8,851	8,851	8,836
CALABARZON	14,773	14,777	14,557	14,185	14,185	13,972	13,950	13,783	13,782	13,582
Batangas	11,880	11,880	11,680	11,313	11,313	11,220	11,198	11,020	11,020	10,820
Cavite	1,158	1,158	1,138	1,133	1,133	1,133	1,133	1,133	1,132	1,132
Laguna	187	187	187	187	187	135	135	135	135	135
Quezon	735	739	739	739	739	674	674	685	685	685
Rizal	813	813	813	813	813	810	810	810	810	810
MIMAROPA	3,871	3,852	3,834	3,829	3,817	3,786	3,573	3,556	3,554	3,502
Marinduque	305	306	306	304	304	304	305	305	307	308
Occidental Mindoro	299	305	311	327	354	365	385	392	398	414
Oriental Mindoro	86	86	86	86	85	114	102	102	102	105
Palawan	1,884	1,872	1,867	1,865	1,865	1,865	1,865	1,865	1,865	1,865
Romblon	1,297	1,283	1,264	1,247	1,209	1,138	916	892	882	810
BICOL REGION	2,872	2,870	2,870	2,851	2,859	2,840	2,836	2,837	2,837	2,841
Albay	57	57	57	59	67	59	59	59	59	63
Camarines Norte	853	851	851	830	830	830	830	831	831	831
Camarines Sur	318	318	318	318	318	318	318	318	318	318
Catanduanes	18	18	18	18	18	18	18	18	18	18
Masbate	1,328	1,328	1,328	1,328	1,328	1,317	1,317	1,317	1,317	1,317
Sorsogon	298	298	298	298	298	298	294	294	294	294
WESTERN VISAYAS	11,392	10,327	10,343	9,869	10,016	9,957	10,105	10,273	10,283	10,538
Aklan	300	302	300	300	280	280	280	281	281	281
Antique	297	297	297	370	370	360	360	360	360	360
Capiz	120	120	120	122	71	71	71	71	72	77
Guimaras	2,380	2,430	2,430	2,433	2,733	2,682	2,833	2,983	2,983	3,233
Iloilo	3,757	3,787	3,805	3,825	3,750	3,752	3,752	3,769	3,769	3,769
Negros Occidental	4,538	3,391	3,391	2,819	2,812	2,812	2,809	2,809	2,818	2,818
CENTRAL VISAYAS	12,562	12,568	12,582	12,586	11,969	11,976	11,978	11,977	11,976	11,978
Bohol	2,791	2,791	2,791	2,791	2,791	2,791	2,791	2,791	2,791	2,791
Cebu	5,623	5,629	5,636	5,636	5,017	5,018	5,024	5,024	5,024	5,025
Negros Oriental	3,956	3,956	3,961	3,963	3,963	3,967	3,963	3,963	3,963	3,963
Siquijor	192	192	194	196	198	200	200	199	198	199
EASTERN VISAYAS	883	884	910	910	736	715	717	715	705	753
Biliran	219	219	220	220	156	136	137	138	137	177
Eastern Samar	86	86	86	86	86	86	86	86	77	77
Leyte	231	231	251	251	164	164	164	164	164	164
Northern Samar	82	85	85	85	85	85	85	85	86	87
Samar (Western Samar)	32	32	34	34	31	31	31	31	31	37
Southern Leyte	233	231	234	234	214	214	214	211	211	211
ZAMBOANGA PENINSULA	16,679	16,800	16,914	16,862	16,981	16,927	16,905	15,343	15,338	14,950
Zamboanga del Norte	11,720	11,727	11,740	11,741	11,840	11,845	11,845	10,335	10,345	10,355
Zamboanga del Sur	1,374	1,397	1,396	1,402	1,415	1,415	1,390	1,340	1,330	1,330
Zamboanga Sibugay	505	601	590	580	580	575	578	576	571	573
City of Zamboanga	3,080	3,075	3,188	3,139	3,146	3,092	3,092	3,092	3,092	2,692
NORTHERN MINDANAO	9,597	8,751	8,742	8,722	8,721	8,720	8,720	8,719	8,722	8,730
Bukidnon	2,345	2,345	2,345	2,345	2,345	2,344	2,344	2,344	2,344	2,344
Camiguin	123	123	122	122	121	121	121	120	119	119
Lanao del Norte	2,063	2,063	2,055	2,035	2,020	2,020	2,020	2,020	2,020	2,020
Misamis Occidental	3,061	2,215	2,215	2,215	2,230	2,230	2,230	2,230	2,230	2,230
Misamis Oriental	2,005	2,005	2,005	2,005	2,005	2,005	2,005	2,005	2,009	2,017
DAVAO REGION	17,982	17,761	18,043	17,439	18,296	18,299	18,315	18,639	18,572	18,563
Davao del Norte	1,543	1,545	1,545	1,542	1,553	1,576	1,582	1,589	1,615	1,603
Davao del Sur	12,998	12,998	12,998	12,998	13,813	13,813	13,823	13,823	13,823	12,026
City of Davao	1,446	1,224	1,217	1,215	1,207	1,157	1,157	1,577	1,477	1,477
Davao Oriental	726	740	1,080	1,151	1,190	1,220	1,230	1,237	1,244	1,247
Davao de Oro (Compostela Valley)	1,269	1,254	1,203	533	533	533	523	413	413	413
Davao Occidental	..	..	..	..	..	..	..	..	..	1,797
SOCCSKSARGEN	16,727	16,898	16,815	17,423	17,351	17,261	17,143	17,146	17,125	17,079
North Cotabato	7,480	7,515	7,450	7,300	7,180	7,180	7,075	7,075	7,075	7,075
Sarangani	3,162	3,367	3,369	4,160	4,264	4,263	4,252	4,263	4,252	4,252
Sultan Kudarat	1,797	1,742	1,742	1,742	1,742	1,700	1,698	1,692	1,692	1,646
South Cotabato	4,288	4,274	4,255	4,221	4,165	4,118	4,118	4,116	4,106	4,106
CARAGA	3,383	3,257	3,454	2,633	2,623	2,628	2,625	2,625	2,623	2,623
Agusan del Norte	2,931	2,850	2,849	1,697	1,697	1,697	1,699	1,699	1,697	1,697
Agusan del Sur	125	124	147	300	299	299	299	299	299	299
Dinagat Islands	..	..	..	40	40	40	40	40	40	40
Surigao del Norte	142	98	118	256	247	252	247	247	247	247
Surigao del Sur	185	185	340	340	340	340	340	340	340	340
ARMM	12,510	12,513	12,962	12,965	12,964	14,327	14,328	14,330	14,341	14,344
Basilan	93	93	100	100	100	100	100	100	100	100
Lanao del Sur	42	42	43	42	43	43	43	43	43	43
Maguindanao	10,671	10,671	11,104	11,106	11,106	12,465	12,465	12,465	12,475	12,475
Sulu	1,330	1,330	1,337	1,337	1,334	1,334	1,334	1,334	1,334	1,334
Tawi-tawi	374	377	378	380	381	385	386	388	389	392

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mango Carabao										
PHILIPPINES	**147,026**	**145,518**	**146,873**	**146,457**	**146,915**	**147,467**	**147,166**	**145,302**	**145,225**	**146,179**
CAR	699	699	669	677	680	690	686	690	684	678
Abra	110	110	110	110	110	110	110	125	125	125
Apayao	78	78	78	78	78	78	76	69	66	66
Benguet	264	264	238	238	238	238	238	236	236	232
Ifugao	108	108	108	108	107	110	110	110	110	110
Kalinga	60	60	60	68	73	80	80	80	80	78
Mountain Province	79	79	75	75	74	74	72	70	67	67
ILOCOS REGION	16,500	16,758	17,008	17,550	17,704	17,702	17,305	16,955	16,955	17,911
Ilocos Norte	2,600	2,820	3,060	3,360	3,472	3,472	3,484	3,484	3,484	3,451
Ilocos Sur	850	895	895	931	931	931	931	931	931	931
La Union	1,838	1,838	1,848	2,055	2,096	2,096	2,217	2,217	2,217	2,217
Pangasinan	11,212	11,205	11,205	11,205	11,205	11,203	10,674	10,324	10,324	11,313
CAGAYAN VALLEY	6,872	6,793	6,795	7,157	7,188	7,199	7,208	7,085	7,085	7,083
Batanes	..	..	32	32	27	26	25	8	7	7
Cagayan	1,328	1,349	1,349	1,405	1,441	1,453	1,453	1,352	1,352	1,347
Isabela	1,925	1,825	1,795	2,074	2,074	2,074	2,084	2,079	2,080	2,078
Nueva Vizcaya	3,412	3,412	3,412	3,412	3,412	3,412	3,412	3,412	3,412	3,417
Quirino	207	207	207	234	234	234	234	234	234	234
CENTRAL LUZON	24,864	24,863	25,172	25,413	25,217	24,722	24,748	24,794	24,794	24,939
Aurora	15	15	17	17	21	21	30	30	30	30
Bataan	296	285	285	280	270	270	270	318	318	318
Bulacan	7,030	7,030	7,030	7,030	6,996	6,998	7,000	6,998	6,998	7,150
Nueva Ecija	6,840	6,840	6,840	6,316	6,316	5,769	5,769	5,769	5,769	5,769
Pampanga	430	440	680	1,050	1,000	1,000	1,000	1,000	1,000	1,000
Tarlac	3,220	3,220	3,220	3,220	3,114	3,114	3,114	3,114	3,114	3,114
Zambales	7,033	7,033	7,100	7,500	7,500	7,550	7,565	7,565	7,565	7,558
CALABARZON	10,506	10,507	10,507	10,299	10,299	10,201	10,186	10,004	10,004	10,004
Batangas	9,430	9,430	9,430	9,241	9,241	9,200	9,185	9,000	9,000	9,000
Cavite	450	450	450	431	431	431	431	431	431	431
Laguna	68	68	68	68	68	40	40	40	40	40
Quezon	290	291	291	291	291	262	262	265	265	265
Rizal	268	268	268	268	268	268	268	268	268	268
MIMAROPA	2,030	2,025	2,024	2,033	2,044	2,050	2,037	2,041	2,046	2,054
Marinduque	249	249	249	249	249	249	249	249	251	251
Occidental Mindoro	158	160	161	170	182	185	190	192	195	202
Oriental Mindoro	18	18	18	18	18	22	20	20	20	21
Palawan	1,406	1,400	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398
Romblon	199	198	198	198	197	196	180	182	182	182
BICOL REGION	1,112	1,112	1,112	1,112	1,115	1,112	1,111	1,111	1,111	1,111
Albay	25	25	25	25	28	25	25	25	25	25
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	202	202	202	202	202	202	202	202	202	202
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	778	778	778	778	778	778	778	778	778	778
Sorsogon	107	107	107	107	107	107	106	106	106	106
WESTERN VISAYAS	10,265	9,180	9,186	8,672	8,856	8,813	8,961	9,112	9,121	9,373
Aklan	41	43	41	41	34	34	34	35	35	35
Antique	245	245	245	275	275	270	270	270	270	270
Capiz	65	65	65	65	40	40	40	40	40	42
Guimaras	2,200	2,250	2,250	2,250	2,550	2,500	2,650	2,800	2,800	3,050
Iloilo	3,572	3,582	3,590	3,600	3,520	3,532	3,532	3,532	3,532	3,532
Negros Occidental	4,142	2,995	2,995	2,441	2,437	2,437	2,435	2,435	2,444	2,444
CENTRAL VISAYAS	10,458	10,463	10,474	10,478	9,870	9,874	9,880	9,880	9,880	9,881
Bohol	2,310	2,310	2,310	2,310	2,310	2,310	2,310	2,310	2,310	2,310
Cebu	5,114	5,119	5,125	5,125	4,514	4,514	4,520	4,520	4,520	4,520
Negros Oriental	2,934	2,934	2,937	2,938	2,938	2,940	2,940	2,940	2,940	2,940
Siquijor	100	100	102	105	108	110	110	110	110	111
EASTERN VISAYAS	590	591	613	613	482	462	462	456	441	477
Biliran	210	210	211	211	150	130	130	125	110	145
Eastern Samar	3	3	3	3	3	3	3	3	2	2
Leyte	165	165	181	181	120	120	120	120	120	120
Northern Samar	32	33	33	33	33	33	33	33	34	34
Samar (Western Samar)	6	6	7	7	6	6	6	6	6	7
Southern Leyte	174	174	178	178	170	170	170	169	169	169
ZAMBOANGA PENINSULA	13,124	13,303	13,445	13,410	13,539	13,485	13,475	11,960	11,955	11,555
Zamboanga del Norte	9,185	9,189	9,200	9,200	9,295	9,295	9,295	7,795	7,800	7,800
Zamboanga del Sur	759	865	896	910	940	940	930	915	910	910
Zamboanga Sibugay	385	450	450	450	450	450	450	450	445	445
City of Zamboanga	2,795	2,799	2,899	2,850	2,854	2,800	2,800	2,800	2,800	2,400
NORTHERN MINDANAO	8,274	7,428	7,428	7,428	7,448	7,448	7,448	7,448	7,451	7,456
Bukidnon	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210
Camiguin	96	96	96	96	96	96	96	96	96	96
Lanao del Norte	1,055	1,055	1,055	1,055	1,060	1,060	1,060	1,060	1,060	1,060
Misamis Occidental	2,971	2,125	2,125	2,125	2,140	2,140	2,140	2,140	2,140	2,140
Misamis Oriental	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,942	1,945	1,950
DAVAO REGION	15,636	15,546	15,749	15,198	16,060	16,106	16,117	16,216	16,162	16,163
Davao del Norte	1,015	1,017	1,017	1,016	1,022	1,038	1,039	1,041	1,081	1,079
Davao del Sur	12,305	12,305	12,305	12,305	13,134	13,134	13,144	13,144	13,144	11,347
City of Davao	672	574	572	572	569	569	569	769	669	669
Davao Oriental	490	500	730	790	820	850	860	864	870	873
Davao de Oro (Compostela Valley)	1,154	1,150	1,125	515	515	515	505	398	398	398
Davao Occidental	..	..	..	..	..	..	..	..	..	1,797
SOCCSKSARGEN	15,055	15,218	15,161	15,751	15,752	15,672	15,611	15,618	15,598	15,553
North Cotabato	6,665	6,690	6,650	6,500	6,450	6,450	6,400	6,400	6,400	6,400
Sarangani	2,903	3,108	3,111	3,880	3,987	3,989	3,980	3,990	3,980	3,980
Sultan Kudarat	1,727	1,675	1,675	1,675	1,675	1,633	1,631	1,628	1,628	1,583
South Cotabato	3,760	3,745	3,725	3,696	3,640	3,600	3,600	3,600	3,590	3,590
CARAGA	2,353	2,341	2,399	1,532	1,525	1,530	1,527	1,527	1,527	1,527
Agusan del Norte	2,171	2,170	2,170	1,150	1,150	1,150	1,152	1,152	1,152	1,152
Agusan del Sur	75	75	98	251	250	250	250	250	250	250
Dinagat Islands	..	..	..	7	7	7	7	7	7	7
Surigao del Norte	32	21	41	34	28	33	28	28	28	28
Surigao del Sur	75	75	90	90	90	90	90	90	90	90
ARMM	8,688	8,691	9,132	9,134	9,137	10,401	10,403	10,405	10,411	10,414
Basilan	15	15	20	20	20	20	20	20	20	20
Lanao del Sur	20	20	21	21	22	22	22	22	22	22
Maguindanao	8,613	8,613	9,044	9,044	9,044	10,305	10,305	10,305	10,310	10,310
Sulu	10	10	12	12	12	12	12	12	12	12
Tawi-tawi	30	33	35	37	39	42	44	46	47	50

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mangosteen										
PHILIPPINES	**2,287**	**2,313**	**2,409**	**2,464**	**2,523**	**2,531**	**2,548**	**2,787**	**2,926**	**2,957**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	1	1	1	1	1	1	1	1	1	1
Ilocos Norte	1	1	1	1	1	1	1	1	1	1
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	5	5	5	5	5	5	5	5	5	5
Batanes	..	..	..	..	..	..	0	0	0	0
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	5	5	5	5	5	5	5	5	5	5
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	10	10	10	11	11	10	10	13	13	13
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1	1	1	2	2	1	1	1	1	1
Quezon	9	9	9	9	9	9	9	12	12	12
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	5	5	5	5	7	9	9	9	9	9
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	3	3	3	3	4	6	6	6	6	6
Palawan	2	2	2	2	3	3	3	3	3	3
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	171	171	171	171	171	170	170	170	170	173
Aklan	..	..	..	..	..	..	..	..	..	3
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	10	10	10	10	10	9	9	9	9	9
Negros Occidental	161	161	161	161	161	161	161	161	161	161
CENTRAL VISAYAS	22	25	22	22	22	22	22	22	22	22
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	22	25	22	22	22	22	22	22	22	22
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	443	443	452	460	469	469	479	544	571	572
Zamboanga del Norte	425	425	433	441	450	450	458	523	550	550
Zamboanga del Sur	7	7	7	7	7	7	10	10	10	11
Zamboanga Sibugay	6	6	6	6	6	6	6	6	6	7
City of Zamboanga	5	5	6	6	6	6	5	5	5	4
NORTHERN MINDANAO	58	58	58	59	64	64	63	63	63	65
Bukidnon	6	6	6	6	6	6	6	6	6	6
Camiguin	0	0	0	0	0	0	0	0	0	0
Lanao del Norte	8	8	8	8	8	8	8	8	8	8
Misamis Occidental	39	39	39	39	44	44	44	44	44	44
Misamis Oriental	5	5	5	6	6	6	5	5	5	7
DAVAO REGION	352	363	367	285	293	304	306	474	548	548
Davao del Norte	81	81	81	79	82	88	89	89	89	89
Davao del Sur	57	65	65	65	67	67	67	67	67	65
City of Davao	89	90	94	102	102	102	102	180	252	252
Davao Oriental	..	2	2	2	2	2	3	4	6	6
Davao de Oro (Compostela Valley)	125	125	125	37	40	45	45	134	134	134
Davao Occidental	..	..	..	..	..	..	..	..	..	2
SOCCSKSARGEN	261	263	273	284	289	292	284	287	296	319
North Cotabato	205	205	205	205	206	205	200	200	200	220
Sarangani	7	7	12	13	14	14	13	13	13	13
Sultan Kudarat	41	41	41	41	41	41	41	41	43	43
South Cotabato	8	10	15	25	28	32	30	33	40	43
CARAGA	33	43	109	225	257	250	264	264	293	293
Agusan del Norte	1	1	1	21	21	20	18	18	18	18
Agusan del Sur	30	40	40	134	166	166	182	182	197	197
Dinagat Islands	..	..	..	1	1	1	1	1	15	15
Surigao del Norte	2	2	2	3	3	3	3	3	3	3
Surigao del Sur	..	..	66	66	66	60	60	60	60	60
ARMM	926	926	936	935	935	935	935	935	935	936
Basilan	14	14	13	13	13	13	13	13	13	13
Lanao del Sur	5	5	6	6	6	6	6	6	6	6
Maguindanao	2	2	2	2	2	2	2	2	2	2
Sulu	900	900	910	910	910	910	910	910	910	911
Tawi-tawi	5	5	5	4	4	4	4	4	4	4

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Orange										
PHILIPPINES	**1,630**	**1,556**	**1,524**	**1,465**	**1,447**	**1,417**	**1,386**	**1,340**	**1,331**	**1,309**
CAR	178	174	170	156	151	145	136	130	129	118
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	4	4	5	5	5	5	4	4	4	4
Benguet	79	79	79	79	79	79	75	75	75	68
Ifugao	27	27	27	27	27	27	27	25	24	20
Kalinga	15	15	15	15	15	15	15	15	15	15
Mountain Province	53	49	44	30	25	19	15	11	11	11
ILOCOS REGION	17	13	13	11	11	9	8	7	7	6
Ilocos Norte	12	8	8	6	6	4	3	3	2	1
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	3	3	3	3	3	3	3	3	3	3
Pangasinan	2	2	2	2	2	2	2	2	2	2
CAGAYAN VALLEY	351	349	350	349	357	360	351	346	345	342
Batanes	..	..	3	3	2	2	2	1	1	1
Cagayan	17	17	17	16	25	25	20	16	16	16
Isabela	47	45	43	43	43	43	40	40	40	40
Nueva Vizcaya	272	272	272	272	272	275	274	274	274	274
Quirino	15	15	15	15	15	15	15	15	14	11
CENTRAL LUZON	6	5	5	4	4	3	2	2	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	2	1	1	..	..	..	..	..	..	..
Zambales	4	4	4	4	4	3	2	2	..	..
CALABARZON	11	9	3	2	2	2	2	2	2	2
Batangas	8	7	2	1	1	1	1	1	1	1
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	3	2	1	1	1	1	1	1	1	1
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3	3	3	3	3	3	3	3	3	3
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	3	3	3	3	3	3	3	3	3	3
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	484	474	464	464	464	464	464	450	450	450
Albay	1	1	1	1	1	1	1	1	1	1
Camarines Norte	320	310	300	300	300	300	300	300	300	300
Camarines Sur	144	144	144	144	144	144	144	130	130	130
Catanduanes	12	12	12	12	12	12	12	12	12	12
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	7	7	7	7	7	7	7	7	7	7
WESTERN VISAYAS	30	30	30	29	24	24	24	24	24	24
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	7	7	7	6	..	..	..	..	..	..
Guimaras	1	1	1	1	2	2	2	2	2	2
Iloilo	2	2	2	2	2	2	2	2	2	2
Negros Occidental	20	20	20	20	20	20	20	20	20	20
CENTRAL VISAYAS	16	15	15	15	15	15	10	10	10	10
Bohol	16	15	15	15	15	15	10	10	10	10
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	51	51	56	56	47	45	45	45	44	42
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	10	10	10	10	10	8	8	8	7	5
Leyte	34	34	38	38	31	31	31	31	31	31
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	7	7	8	8	6	6	6	6	6	6
ZAMBOANGA PENINSULA	32	21	14	12	12	7	7	6	5	5
Zamboanga del Norte	20	10	3	3	3	..	..	..	..	..
Zamboanga del Sur	11	11	11	9	9	7	7	6	5	5
Zamboanga Sibugay	1	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	60	49	47	47	46	39	37	37	36	34
Bukidnon	26	15	15	15	15	15	15	15	15	15
Camiguin	1	1	1	1	1	1	1	1	1	1
Lanao del Norte	23	23	23	23	23	16	14	14	13	11
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	10	10	8	8	7	7	7	7	7	7
DAVAO REGION	232	221	213	177	173	164	159	141	133	130
Davao del Norte	41	40	39	38	36	35	34	33	33	32
Davao del Sur	2	2	2	2	2	2	2	2	2	2
City of Davao	100	90	86	85	83	76	76	61	55	55
Davao Oriental	32	32	31	30	30	29	29	28	26	24
Davao de Oro (Compostela Valley)	57	57	55	22	22	22	18	17	17	17
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	21	23	24	24	24	25	25	25	31	31
North Cotabato	9	9	9	9	9	9	9	9	15	15
Sarangani	4	5	5	5	5	5	5	5	5	5
Sultan Kudarat	4	5	6	6	6	6	6	6	6	6
South Cotabato	4	4	4	4	4	5	5	5	5	5
CARAGA	68	52	48	46	45	43	43	43	43	43
Agusan del Norte	5	3	..	..	..	..	..	..	..	..
Agusan del Sur	49	49	48	46	45	43	43	43	43	43
Dinagat Islands	..	..	..	..	..	..	..	..	..	0
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	14	..	..	..	..	..	..	..	..	..
ARMM	70	68	70	70	70	70	70	70	70	70
Basilan	16	16	18	18	18	18	18	18	18	18
Lanao del Sur	4	4	4	4	4	4	4	4	4	4
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	50	48	48	48	48	48	48	48	48	48
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Papaya										
PHILIPPINES	**8,751**	**8,647**	**8,585**	**8,399**	**7,918**	**7,748**	**7,835**	**7,787**	**7,783**	**7,773**
CAR	208	207	209	212	203	202	198	181	181	161
Abra	61	60	60	60	60	60	60	56	56	56
Apayao	7	7	7	9	7	7	8	7	7	7
Benguet	46	45	45	45	45	45	45	44	44	44
Ifugao	15	15	16	16	16	16	16	16	16	14
Kalinga	60	61	62	62	55	53	48	37	36	19
Mountain Province	19	19	19	20	20	21	21	21	22	21
ILOCOS REGION	298	303	308	312	312	308	313	312	313	309
Ilocos Norte	93	88	88	87	87	83	83	82	82	79
Ilocos Sur	56	60	62	67	67	67	73	73	73	73
La Union	25	24	27	27	27	27	28	28	28	28
Pangasinan	124	130	131	131	131	131	130	130	130	130
CAGAYAN VALLEY	423	396	418	443	443	403	394	363	371	349
Batanes	..	..	21	21	17	15	15	3	3	3
Cagayan	208	208	208	218	222	182	188	168	175	168
Isabela	101	75	77	77	85	85	74	70	70	55
Nueva Vizcaya	52	51	50	50	43	43	43	42	42	45
Quirino	62	62	62	77	77	78	74	80	81	79
CENTRAL LUZON	692	697	692	694	658	663	740	727	733	786
Aurora	86	88	86	86	67	69	84	92	94	96
Bataan	15	15	15	16	17	17	17	17	17	17
Bulacan	209	213	213	213	195	195	265	243	243	278
Nueva Ecija	211	211	211	211	211	211	206	206	206	206
Pampanga	120	120	120	118	118	118	118	118	118	118
Tarlac	23	23	23	23	23	23	23	23	26	27
Zambales	28	27	24	27	27	30	27	28	29	44
CALABARZON	641	664	662	647	634	615	656	663	652	643
Batangas	38	39	40	22	23	23	45	49	50	50
Cavite	290	307	306	308	301	288	288	289	283	282
Laguna	82	92	92	93	86	80	91	92	90	89
Quezon	179	174	172	172	172	172	172	165	160	160
Rizal	52	52	52	52	52	52	60	68	69	62
MIMAROPA	367	375	384	389	381	382	374	382	377	376
Marinduque	7	7	7	7	7	7	8	8	8	8
Occidental Mindoro	113	116	119	125	129	130	137	137	140	141
Oriental Mindoro	58	58	58	56	56	58	44	46	38	39
Palawan	123	129	134	136	136	138	138	138	138	139
Romblon	66	65	65	64	53	49	48	53	53	49
BICOL REGION	587	580	564	543	536	503	504	492	531	547
Albay	98	98	94	81	81	76	75	75	75	75
Camarines Norte	147	140	130	122	115	102	104	105	135	150
Camarines Sur	166	166	166	166	166	163	163	163	163	163
Catanduanes	14	14	14	14	14	14	14	14	14	14
Masbate	21	21	21	21	21	9	9	9	9	9
Sorsogon	141	141	139	139	139	139	139	126	135	135
WESTERN VISAYAS	752	765	752	767	673	676	684	683	682	690
Aklan	95	90	90	90	32	32	34	32	32	32
Antique	100	90	90	87	85	84	84	82	80	85
Capiz	65	67	65	65	13	17	18	20	21	24
Guimaras	28	28	30	31	30	30	31	31	31	31
Iloilo	292	312	299	322	341	341	345	346	346	346
Negros Occidental	172	178	178	172	172	172	172	172	172	172
CENTRAL VISAYAS	364	348	339	331	284	275	266	266	259	258
Bohol	46	46	43	45	45	44	42	42	42	42
Cebu	168	173	175	169	140	133	131	131	125	126
Negros Oriental	112	92	84	81	66	65	64	64	64	64
Siquijor	38	37	37	37	33	32	29	29	28	26
EASTERN VISAYAS	478	479	474	471	416	416	418	419	387	376
Biliran	79	79	79	79	62	62	63	63	59	57
Eastern Samar	107	105	98	98	98	98	98	98	70	55
Leyte	86	86	93	93	60	60	60	60	60	60
Northern Samar	156	160	155	155	157	157	157	157	156	159
Samar (Western Samar)	34	34	32	32	28	28	28	28	28	31
Southern Leyte	16	15	17	15	12	12	12	13	14	14
ZAMBOANGA PENINSULA	614	621	619	614	457	455	459	464	464	464
Zamboanga del Norte	440	440	440	438	280	280	280	285	285	284
Zamboanga del Sur	52	52	50	49	50	51	56	56	56	56
Zamboanga Sibugay	27	35	34	34	34	33	34	34	34	35
City of Zamboanga	95	94	95	93	93	91	89	89	89	89
NORTHERN MINDANAO	899	856	826	807	793	738	752	727	724	704
Bukidnon	164	164	158	157	157	156	161	165	161	149
Camiguin	6	6	6	6	6	6	7	6	6	6
Lanao del Norte	255	253	235	218	208	177	179	177	178	177
Misamis Occidental	29	29	27	29	29	22	23	22	22	25
Misamis Oriental	445	404	400	397	393	377	382	357	357	347
DAVAO REGION	632	580	545	509	504	500	497	503	501	500
Davao del Norte	92	84	80	75	71	68	68	71	68	67
Davao del Sur	265	232	212	197	197	195	194	194	194	122
City of Davao	59	49	50	54	54	54	54	54	56	56
Davao Oriental	124	124	124	131	135	137	137	138	138	138
Davao de Oro (Compostela Valley)	92	91	79	52	47	46	44	46	46	46
Davao Occidental	..	..	..	..	..	..	..	..	..	71
SOCCSKSARGEN	1,387	1,379	1,396	1,385	1,352	1,345	1,319	1,341	1,345	1,343
North Cotabato	468	468	472	464	464	464	435	435	435	430
Sarangani	49	47	51	50	20	23	22	22	18	17
Sultan Kudarat	42	42	41	41	40	40	40	39	39	39
South Cotabato	828	822	832	830	828	819	822	845	853	857
CARAGA	255	244	240	118	116	108	105	105	105	109
Agusan del Norte	176	176	169	36	36	34	31	31	31	35
Agusan del Sur	9	8	10	10	10	9	9	9	9	9
Dinagat Islands	..	..	..	5	4	4	4	4	4	4
Surigao del Norte	24	14	14	21	21	21	21	21	21	21
Surigao del Sur	46	46	47	47	45	40	40	40	40	40
ARMM	154	154	158	157	157	158	159	159	159	160
Basilan	25	25	27	27	27	27	27	27	27	27
Lanao del Sur	16	16	17	16	16	16	16	16	16	16
Maguindanao	40	41	41	42	42	43	43	43	43	43
Sulu	45	45	46	46	47	47	47	47	47	47
Tawi-tawi	28	27	27	26	25	25	26	26	26	27

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pineapple										
PHILIPPINES	**58,547**	**58,457**	**58,450**	**60,759**	**61,643**	**62,812**	**65,224**	**65,998**	**66,190**	**66,048**
CAR	117	114	117	111	109	109	107	92	94	101
Abra	3	3	3	3	3	3	3	3	3	3
Apayao	32	34	38	40	40	41	42	38	40	49
Benguet	41	40	40	40	40	40	38	30	31	30
Ifugao	11	11	11	11	12	12	12	12	12	12
Kalinga	21	18	18	10	8	8	7	4	4	3
Mountain Province	9	8	7	7	6	5	5	5	4	4
ILOCOS REGION	30	27	27	26	26	26	24	24	24	24
Ilocos Norte	12	10	10	9	8	8	7	7	7	7
Ilocos Sur	6	6	6	6	6	6	6	6	6	6
La Union	9	9	9	9	9	9	9	9	9	9
Pangasinan	2	2	2	2	2	2	2	2	2	2
CAGAYAN VALLEY	1,506	1,528	1,225	1,251	1,295	1,380	1,349	1,376	1,434	1,280
Batanes	..	..	8	9	7	4	3	1	1	1
Cagayan	632	652	642	652	697	697	697	715	715	592
Isabela	598	600	300	315	316	307	290	290	348	315
Nueva Vizcaya	268	268	268	268	268	365	352	362	362	365
Quirino	8	8	7	7	7	7	7	8	8	7
CENTRAL LUZON	146	151	153	157	163	168	168	170	221	305
Aurora	92	97	98	102	112	115	115	118	169	253
Bataan	21	21	21	21	20	20	20	20	20	20
Bulacan	25	26	27	27	25	27	27	27	27	27
Nueva Ecija	3	2	2	2	1	1	1	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	5	5	5	5	5	5	5	5	5	5
CALABARZON	4,023	3,869	3,837	3,840	3,772	3,953	4,076	4,206	4,226	4,247
Batangas	20	25	25	19	4	6	8	9	8	8
Cavite	2,630	2,635	2,600	2,610	2,639	2,639	2,819	2,910	2,910	2,910
Laguna	1,264	1,100	1,101	1,102	1,020	1,025	966	1,010	1,030	1,045
Quezon	67	67	69	67	67	240	240	235	235	235
Rizal	42	42	42	42	42	43	43	42	43	49
MIMAROPA	66	70	73	75	77	82	99	105	110	108
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	5	5	4	5	6	8	8	8	15	15
Palawan	42	45	49	49	50	52	70	75	75	75
Romblon	19	20	20	21	21	22	21	22	20	18
BICOL REGION	3,079	3,084	3,093	3,083	3,078	3,079	4,773	4,778	4,773	4,612
Albay	75	70	70	60	55	55	45	45	40	40
Camarines Norte	2,510	2,520	2,525	2,525	2,525	2,528	4,231	4,231	4,231	4,070
Camarines Sur	335	335	335	335	335	333	334	339	339	339
Catanduanes	4	4	4	4	4	4	4	4	4	4
Masbate	6	6	6	6	6	6	6	6	6	6
Sorsogon	149	149	153	153	153	153	153	153	153	153
WESTERN VISAYAS	725	782	839	845	860	850	840	849	851	887
Aklan	18	16	12	12	4	7	5	5	5	5
Antique	16	16	16	17	17	17	17	17	15	18
Capiz	17	20	22	22	19	20	19	23	22	20
Guimaras	9	10	12	12	10	8	7	7	7	8
Iloilo	265	320	377	382	410	412	412	412	412	412
Negros Occidental	400	400	400	400	400	386	380	385	390	424
CENTRAL VISAYAS	451	452	452	474	470	467	467	435	434	434
Bohol	44	44	45	45	42	44	44	47	49	49
Cebu	6	6	6	4	4	3	3	3	3	3
Negros Oriental	399	400	399	424	424	420	420	385	382	382
Siquijor	2	2	2	2	1	0	0	0	0	0
EASTERN VISAYAS	560	566	583	584	552	595	646	659	648	655
Biliran	46	46	46	45	40	35	35	36	30	28
Eastern Samar	30	32	32	32	25	25	25	25	20	17
Leyte	160	162	178	178	160	200	250	260	260	260
Northern Samar	6	6	6	6	6	6	6	6	3	4
Samar (Western Samar)	265	267	275	277	277	285	285	285	285	294
Southern Leyte	53	53	46	46	44	44	45	47	50	52
ZAMBOANGA PENINSULA	398	356	350	327	305	294	292	295	209	206
Zamboanga del Norte	280	246	245	240	240	240	240	247	165	162
Zamboanga del Sur	58	50	44	41	39	34	32	30	29	29
Zamboanga Sibugay	55	55	55	40	20	14	14	12	9	9
City of Zamboanga	5	5	6	6	6	6	6	6	6	6
NORTHERN MINDANAO	21,547	21,979	21,593	23,108	24,100	25,444	26,189	26,497	26,595	26,507
Bukidnon	20,000	20,500	21,000	22,000	23,000	24,000	24,750	24,850	24,950	25,030
Camiguin	1	1	1	1	0	0	0	0	0	0
Lanao del Norte	128	120	100	102	95	95	90	88	86	84
Misamis Occidental	5	5	5	5	5	3	3	3	3	3
Misamis Oriental	1,413	1,353	487	1,000	1,000	1,346	1,346	1,556	1,556	1,390
DAVAO REGION	2,053	2,052	2,033	1,978	1,978	1,870	1,863	1,808	1,808	1,803
Davao del Norte	48	47	46	42	44	45	46	45	44	40
Davao del Sur	6	6	5	5	5	6	5	5	6	5
City of Davao	1,831	1,832	1,832	1,825	1,824	1,724	1,724	1,674	1,674	1,674
Davao Oriental	48	47	45	38	40	38	38	39	39	40
Davao de Oro (Compostela Valley)	120	120	105	68	65	57	50	45	45	43
Davao Occidental	..	..	..	..	..	..	..	..	..	1
SOCCSKSARGEN	23,269	22,850	23,485	24,580	24,545	24,182	24,029	24,394	24,445	24,561
North Cotabato	48	49	49	115	135	135	330	480	500	500
Sarangani	1,440	982	942	885	784	635	634	610	480	480
Sultan Kudarat	74	109	350	350	280	300	300	260	260	260
South Cotabato	21,707	21,710	22,144	23,230	23,346	23,112	22,765	23,044	23,205	23,321
CARAGA	488	488	499	230	219	225	214	223	232	232
Agusan del Norte	260	265	266	65	65	64	64	64	68	74
Agusan del Sur	143	145	150	85	80	93	82	82	82	82
Dinagat Islands	..	..	..	..	10	10	10	10	16	10
Surigao del Norte	35	28	28	30	19	15	15	15	15	15
Surigao del Sur	50	50	55	50	45	43	43	52	51	51
ARMM	89	90	92	91	93	88	88	87	87	87
Basilan	8	8	8	8	8	8	8	8	8	8
Lanao del Sur	55	55	57	57	60	56	56	56	56	57
Maguindanao	2	2	2	2	2	2	2	2	2	2
Sulu	9	10	11	11	10	10	10	10	10	10
Tawi-tawi	15	15	14	13	13	12	12	11	11	10

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rambutan										
PHILIPPINES	**5,743**	**5,849**	**5,889**	**6,173**	**6,263**	**5,494**	**5,485**	**5,637**	**5,727**	**5,691**
CAR	32	32	46	51	60	66	59	60	55	68
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	30	30	40	45	50	50	43	44	39	45
Benguet	..	..	..	..	..	5	5	5	5	5
Ifugao	..	..	..	..	..	..	..	..	..	7
Kalinga	2	2	6	6	10	11	11	11	11	11
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	35	36	37	42	45	49	50	50	51	51
Ilocos Norte	8	8	8	9	11	13	13	13	13	13
Ilocos Sur	21	22	23	27	28	30	30	30	30	30
La Union	6	6	6	6	7	7	7	8	8	8
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	65	65	77	264	283	295	305	308	308	323
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	32	32	42	75	78	80	85	85	85	85
Isabela	3	3	5	9	25	30	35	35	35	30
Nueva Vizcaya	30	30	30	30	30	35	35	38	38	38
Quirino	..	..	..	150	150	150	150	150	150	170
CENTRAL LUZON	8	8	8	68	71	73	74	76	76	76
Aurora	8	8	8	8	10	12	12	14	14	14
Bataan	..	..	..	..	1	1	1	1	1	1
Bulacan	..	..	..	50	50	51	51	51	51	51
Nueva Ecija	..	..	..	10	10	10	10	10	10	10
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	0	0	0
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	1,628	1,730	1,778	1,774	1,778	766	796	814	814	814
Batangas	45	45	50	45	50	50	70	70	70	70
Cavite	20	20	20	20	20	20	20	20	20	20
Laguna	1,550	1,652	1,652	1,653	1,652	640	650	653	653	653
Quezon	12	12	55	55	55	55	55	70	70	70
Rizal	1	1	1	1	1	1	1	1	1	1
MIMAROPA	675	672	665	682	682	878	855	853	855	860
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	0
Oriental Mindoro	648	645	637	654	654	850	827	825	825	830
Palawan	27	27	28	28	28	28	28	28	30	30
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	17	17	17	15	15	14	15	15	25	15
Albay	3	4	4	5	5	4	5	5	5	5
Camarines Norte	5	4	4	..	..	..	..	..	10	..
Camarines Sur	1	1	1	1	1	1	1	1	1	1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	8	8	8	9	9	9	9	9	9	9
WESTERN VISAYAS	73	73	74	77	73	75	77	79	81	82
Aklan	10	10	10	10	6	6	6	6	6	6
Antique	2	2	3	3	3	4	4	4	4	4
Capiz	8	8	8	8	5	5	6	6	8	9
Guimaras	..	0	0	1	1	2	3	3	3	3
Iloilo	25	25	25	27	32	32	32	34	34	34
Negros Occidental	28	28	28	28	26	26	26	26	26	26
CENTRAL VISAYAS	45	47	49	49	49	51	56	56	56	56
Bohol	10	10	10	10	10	10	15	15	15	15
Cebu	1	1	2	2	2	3	3	3	3	3
Negros Oriental	33	35	36	36	36	37	37	37	37	37
Siquijor	1	1	1	1	1	1	1	1	1	1
EASTERN VISAYAS	17	18	22	23	21	23	28	27	26	33
Biliran	..	..	..	..	..	..	5	5	5	5
Eastern Samar	2	2	2	2	2	2	2	2	1	1
Leyte	9	10	12	12	9	9	9	9	9	9
Northern Samar	1	1	1	2	2	2	2	2	1	2
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	6
Southern Leyte	5	5	7	7	8	10	10	9	10	10
ZAMBOANGA PENINSULA	385	397	404	411	417	421	426	424	427	426
Zamboanga del Norte	293	295	301	305	311	315	318	323	325	325
Zamboanga del Sur	49	49	49	52	52	52	54	47	46	46
Zamboanga Sibugay	35	45	45	45	45	45	45	45	47	47
City of Zamboanga	8	8	9	9	9	9	9	9	9	8
NORTHERN MINDANAO	186	186	186	187	189	189	189	189	189	188
Bukidnon	90	90	90	90	90	90	90	90	90	90
Camiguin	1	1	1	1	1	1	1	1	1	1
Lanao del Norte	38	38	38	38	38	38	38	38	38	38
Misamis Occidental	50	50	50	50	50	50	50	50	50	50
Misamis Oriental	7	7	7	8	10	10	10	10	10	9
DAVAO REGION	739	748	749	492	496	508	510	640	651	650
Davao del Norte	172	174	174	171	175	182	183	183	179	177
Davao del Sur	53	50	50	50	50	50	50	50	50	26
City of Davao	138	134	135	136	136	136	136	136	148	148
Davao Oriental	11	25	25	25	25	25	26	27	30	31
Davao de Oro (Compostela Valley)	365	365	365	110	110	115	115	244	244	244
Davao Occidental	..	..	..	..	..	..	..	..	..	24
SOCCSKSARGEN	1,357	1,339	1,296	1,300	1,303	1,305	1,237	1,237	1,238	1,175
North Cotabato	1,000	980	935	935	935	935	870	870	870	800
Sarangani	32	33	33	35	35	35	35	35	35	35
Sultan Kudarat	165	165	165	165	165	165	165	165	165	165
South Cotabato	160	161	163	165	168	170	167	167	168	175
CARAGA	455	455	455	712	756	756	782	782	848	848
Agusan del Norte	31	31	31	95	95	95	95	95	90	90
Agusan del Sur	410	410	410	410	453	453	479	479	504	504
Dinagat Islands	..	..	..	6	3	3	3	3	49	49
Surigao del Norte	2	2	2	51	55	55	55	55	55	55
Surigao del Sur	12	12	12	150	150	150	150	150	150	150
ARMM	27	27	27	27	26	26	27	27	27	27
Basilan	3	3	3	3	3	3	3	3	3	3
Lanao del Sur	16	16	16	16	16	16	16	16	16	16
Maguindanao	4	4	4	4	4	4	5	5	5	5
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	4	4	4	4	3	3	3	3	3	3

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tamarind										
PHILIPPINES	**2,598**	**2,540**	**2,525**	**2,455**	**2,266**	**2,211**	**2,172**	**2,146**	**2,251**	**2,212**
CAR	10	10	10	10	10	10	10	10	11	11
Abra	10	10	10	10	10	10	10	10	10	10
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	1	1
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	1,132	1,126	1,127	1,097	977	932	928	924	925	886
Ilocos Norte	931	931	931	902	793	749	749	745	745	712
Ilocos Sur	101	96	96	95	84	84	84	84	84	84
La Union	14	14	14	14	14	14	14	14	14	14
Pangasinan	87	86	87	86	86	86	82	82	82	76
CAGAYAN VALLEY	329	297	298	300	295	295	287	266	266	264
Batanes	..	..	1	1	1	1	1	1	1	1
Cagayan	95	95	95	97	98	98	96	75	75	75
Isabela	122	95	95	95	92	92	92	92	92	91
Nueva Vizcaya	80	75	75	75	72	72	68	68	68	67
Quirino	32	32	32	32	32	32	30	30	30	30
CENTRAL LUZON	185	187	187	183	183	187	188	188	188	192
Aurora	..	..	..	..	..	..	..	2	2	2
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	58	58	58	55	55	60	61	61	61	61
Nueva Ecija	35	35	35	34	34	33	33	33	33	33
Pampanga	4	6	6	6	6	6	6	6	6	10
Tarlac	22	22	22	22	22	22	22	22	22	22
Zambales	66	66	66	66	66	66	66	64	64	64
CALABARZON	98	98	98	92	75	75	75	75	74	73
Batangas	39	39	39	33	16	16	16	16	16	15
Cavite	26	26	26	26	26	26	26	26	26	26
Laguna	15	15	15	15	15	15	15	15	15	15
Quezon	6	6	6	6	6	6	6	6	5	5
Rizal	12	12	12	12	12	12	12	12	12	12
MIMAROPA	93	92	91	91	91	91	87	88	89	89
Marinduque	15	15	15	15	15	15	15	15	15	15
Occidental Mindoro	11	11	11	11	12	12	12	12	13	13
Oriental Mindoro	2	2	2	2	2	2	2	2	2	2
Palawan	32	31	30	30	30	30	30	30	30	30
Romblon	33	33	33	33	32	32	29	29	29	29
BICOL REGION	82	81	79	76	76	74	74	74	185	185
Albay	32	32	30	28	28	28	28	28	28	28
Camarines Norte	20	19	19	18	18	16	16	16	127	127
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	2	2	2	2	2	2	2	2	2	2
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	28	28	28	28	28	28	28	28	28	28
WESTERN VISAYAS	131	131	130	130	111	109	109	109	108	108
Aklan	2	2	2	2	1	1	1	1	1	1
Antique	3	3	3	3	3	3	3	3	2	2
Capiz	8	8	8	8	7	7	7	7	7	7
Guimaras	60	60	60	60	50	48	48	48	48	48
Iloilo	32	32	31	31	30	30	30	30	30	30
Negros Occidental	26	26	26	26	20	20	20	20	20	20
CENTRAL VISAYAS	215	197	186	166	144	134	110	110	105	105
Bohol	80	80	80	70	70	60	58	58	58	58
Cebu	24	25	25	25	23	23	21	21	21	21
Negros Oriental	110	91	80	70	50	50	30	30	25	25
Siquijor	1	1	1	1	1	1	1	1	1	1
EASTERN VISAYAS	30	29	28	27	21	21	21	21	21	22
Biliran	1	1	1	1	1	1	1	1	1	1
Eastern Samar	2	2	2	2	2	2	2	2	2	2
Leyte	11	11	11	10	8	8	8	8	8	8
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	14	13	12	12	8	8	8	8	8	9
Southern Leyte	2	2	2	2	2	2	2	2	2	2
ZAMBOANGA PENINSULA	99	103	103	102	102	102	102	99	98	98
Zamboanga del Norte	79	79	79	79	79	79	79	79	79	79
Zamboanga del Sur	11	11	11	11	11	11	11	8	7	7
Zamboanga Sibugay	1	5	5	5	5	5	5	5	5	6
City of Zamboanga	8	8	8	7	7	7	7	7	7	6
NORTHERN MINDANAO	7	7	7	7	8	9	9	10	10	10
Bukidnon	2	2	2	2	2	2	2	2	2	2
Camiguin	0	0	0	0	0	0	0	0	0	0
Lanao del Norte	2	2	2	2	3	4	4	4	4	4
Misamis Occidental	1	1	1	1	1	1	1	2	2	2
Misamis Oriental	2	2	2	2	2	2	2	2	2	2
DAVAO REGION	131	128	127	120	118	118	117	117	117	115
Davao del Norte	14	14	14	13	13	13	13	12	12	11
Davao del Sur	87	87	87	87	85	85	85	85	85	85
City of Davao	8	4	4	5	5	5	5	5	5	5
Davao Oriental	5	6	5	6	6	6	6	7	7	7
Davao de Oro (Compostela Valley)	17	17	17	9	9	9	8	8	8	8
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	45	44	44	45	45	46	45	46	45	46
North Cotabato	15	14	13	10	10	10	10	10	10	10
Sarangani	16	16	16	17	17	18	18	18	18	17
Sultan Kudarat	4	4	4	4	4	4	4	4	4	4
South Cotabato	10	10	10	14	14	14	14	14	14	15
CARAGA	6	6	6	6	6	6	6	6	6	6
Agusan del Norte	1	1	1	1	1	1	1	1	1	1
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	4	4	4	4	4	4	4	4	4	4
Surigao del Sur	1	1	1	1	1	1	1	1	1	1
ARMM	4	4	4	3	3	3	3	3	3	3
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2	2	2	2	2	2	2	2	2	2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	2	2	2	1	1	1	1	1	1	1

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Watermelon										
PHILIPPINES	**6,703**	**6,102**	**6,245**	**6,913**	**7,020**	**7,369**	**7,082**	**7,309**	**8,368**	**8,645**
CAR	20	20	20	20	20	20	20	20	21	21
Abra	20	20	20	20	20	20	20	20	20	20
Apayao	..	..	..	..	..	..	..	..	1	1
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	885	884	891	906	910	927	927	929	906	901
Ilocos Norte	190	191	196	204	204	206	199	199	183	179
Ilocos Sur	44	39	42	46	49	49	54	55	55	58
La Union	18	16	21	22	23	38	41	42	36	32
Pangasinan	633	638	632	634	634	634	634	632	632	632
CAGAYAN VALLEY	633	568	546	542	320	329	297	312	326	309
Batanes	..	..	5	4	4	2	2	1	1	1
Cagayan	536	459	459	464	243	250	216	225	230	220
Isabela	97	106	81	72	72	74	76	83	91	84
Nueva Vizcaya	..	3	2	2	1	3	3	3	3	3
Quirino	..	..	..	..	..	..	1	1	2	2
CENTRAL LUZON	1,035	998	1,006	1,096	1,035	1,044	1,035	1,169	1,223	1,214
Aurora	11	13	14	6	4	5	14	16	9	3
Bataan	90	88	87	85	80	78	58	58	71	89
Bulacan	110	70	68	143	72	100	105	105	105	105
Nueva Ecija	638	636	635	635	632	624	618	739	779	779
Pampanga	53	60	62	67	67	62	64	64	64	67
Tarlac	58	58	50	52	65	60	59	61	65	69
Zambales	75	73	90	108	115	115	117	126	130	103
CALABARZON	291	224	200	200	199	168	168	159	158	164
Batangas	..	..	..	..	..	..	..	2	..	..
Cavite	30	29	29	29	25	11	11	11	11	11
Laguna	126	65	51	46	51	58	58	47	43	44
Quezon	115	110	100	105	103	79	79	79	85	87
Rizal	20	20	20	20	20	20	20	20	18	22
MIMAROPA	206	208	233	248	273	293	329	331	309	312
Marinduque	37	35	35	36	36	37	70	71	72	73
Occidental Mindoro	34	40	46	63	78	87	93	97	74	74
Oriental Mindoro	19	17	35	25	34	43	40	33	31	37
Palawan	103	103	103	110	110	111	111	115	116	114
Romblon	13	13	14	14	15	15	15	16	16	14
BICOL REGION	187	176	168	165	159	164	163	177	981	1,204
Albay	26	26	24	20	10	10	7	10	10	10
Camarines Norte	126	123	125	126	126	131	133	143	947	1,171
Camarines Sur	20	12	4	4	8	8	8	8	8	8
Catanduanes	3	3	3	3	3	3	3	3	3	3
Masbate	4	4	4	4	4	4	4	4	4	4
Sorsogon	8	8	8	8	8	9	8	9	9	9
WESTERN VISAYAS	2,185	1,959	2,068	2,546	2,842	3,099	2,802	2,876	2,984	2,845
Aklan	22	20	32	7	12	18	22	52	58	32
Antique	40	35	30	31	32	33	37	44	55	57
Capiz	18	17	16	17	18	20	23	20	16	21
Guimaras	7	5	5	8	7	8	13	25	16	16
Iloilo	2,073	1,857	1,965	2,463	2,753	3,000	2,690	2,716	2,816	2,695
Negros Occidental	25	25	20	20	20	20	17	20	23	25
CENTRAL VISAYAS	50	31	35	42	47	52	58	58	81	99
Bohol	39	24	24	28	33	36	42	45	68	82
Cebu	9	6	10	11	12	13	12	11	11	10
Negros Oriental	2	..	..	2	2	2	2	1	1	6
Siquijor	1	1	1	1	1	1	1	1	1	1
EASTERN VISAYAS	113	110	110	98	107	121	120	112	110	116
Biliran	4	3	3	3	2	2	2	2	3	3
Eastern Samar	7	7	8	8	6	12	13	8	6	5
Leyte	48	48	50	37	48	52	48	46	46	46
Northern Samar	6	6	6	7	7	7	8	8	6	8
Samar (Western Samar)	34	34	34	33	31	32	32	32	32	36
Southern Leyte	14	12	10	11	13	16	18	16	17	18
ZAMBOANGA PENINSULA	146	78	43	46	41	50	51	43	44	48
Zamboanga del Norte	43	25	2	10	8	13	13	9	7	8
Zamboanga del Sur	61	33	27	29	25	29	32	29	30	30
Zamboanga Sibugay	40	18	12	5	4	3	3	3	3	5
City of Zamboanga	2	2	2	2	4	5	3	2	4	6
NORTHERN MINDANAO	241	224	236	266	286	302	322	323	323	330
Bukidnon	18	14	13	22	24	20	32	35	36	39
Camiguin	7	5	4	4	5	6	6	4	5	5
Lanao del Norte	175	179	184	191	186	200	201	199	193	188
Misamis Occidental	18	20	20	24	28	32	33	33	36	36
Misamis Oriental	23	6	15	25	43	44	50	53	53	62
DAVAO REGION	160	183	175	185	230	218	241	254	259	264
Davao del Norte	23	26	30	41	49	42	46	45	45	48
Davao del Sur	75	82	84	90	96	90	90	90	90	86
City of Davao	17	8	7	6	6	5	5	7	8	6
Davao Oriental	32	50	40	32	56	58	70	81	85	90
Davao de Oro (Compostela Valley)	13	17	14	16	23	23	30	31	31	30
Davao Occidental	..	..	..	..	..	..	..	..	..	5
SOCCSKSARGEN	197	162	163	217	227	254	261	264	329	374
North Cotabato	32	29	23	20	22	29	30	60	90	100
Sarangani	18	16	18	20	20	17	20	17	14	13
Sultan Kudarat	63	49	50	100	94	102	106	79	88	96
South Cotabato	84	68	72	77	91	106	105	108	137	165
CARAGA	294	262	330	312	294	290	243	237	266	395
Agusan del Norte	28	28	84	68	64	40	36	36	35	35
Agusan del Sur	25	9	10	15	24	30	20	18	23	26
Dinagat Islands	..	..	..	30	60	50	50	50	62	184
Surigao del Norte	212	210	220	178	135	154	120	120	120	120
Surigao del Sur	29	15	16	21	11	16	17	13	26	30
ARMM	61	16	22	26	30	40	46	46	49	50
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	6	6	6	8	8	8	11	11	11	12
Maguindanao	55	10	16	18	22	32	35	35	38	38
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Asparagus										
PHILIPPINES	**368**	**349**	**368**	**306**	**305**	**305**	**229**	**206**	**200**	**189**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	2	2	2	2	2	3	3	5	5	5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	2	2	2	2	2	3	3	5	5	5
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	0	0	0	0	0	0	0	0	0	0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	0	0	0	0	0	0	0	0	0	0
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	4	5	5	4	3	2	1	1	1	1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	4	5	5	4	3	2	1	1	1	1
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	4	2	1	..	..	..	0	0	0	0
Bukidnon	4	2	1	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	0	0	0	0
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	358	340	360	300	300	300	225	200	194	183
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	358	340	360	300	300	300	225	200	194	183
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ampalaya										
PHILIPPINES	**11,129**	**10,877**	**10,896**	**10,834**	**10,681**	**10,633**	**10,526**	**10,657**	**10,679**	**10,676**
CAR	105	104	107	111	113	112	105	106	104	106
Abra	69	69	69	69	69	69	69	69	69	69
Apayao	4	3	7	11	13	13	10	11	11	12
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	12	12	12	12	12	12	12	12	12	13
Kalinga	19	19	18	18	18	18	14	14	12	12
Mountain Province	1	1	1	1	1	..	..	..	..	..
ILOCOS REGION	1,251	1,235	1,234	1,214	1,214	1,215	1,214	1,280	1,269	1,286
Ilocos Norte	403	403	405	409	404	398	398	398	400	401
Ilocos Sur	145	145	145	147	150	155	150	158	156	161
La Union	304	306	312	315	316	318	323	324	319	318
Pangasinan	399	381	372	343	344	344	344	400	395	407
CAGAYAN VALLEY	1,147	1,148	1,147	1,164	1,134	1,102	1,047	969	934	925
Batanes	..	..	4	3	3	2	2	2	1	1
Cagayan	233	238	241	250	247	207	186	185	181	180
Isabela	467	465	470	480	452	461	457	462	438	426
Nueva Vizcaya	399	395	392	389	390	391	360	280	281	289
Quirino	48	50	40	42	42	42	42	41	33	29
CENTRAL LUZON	2,002	1,948	1,957	1,931	1,918	1,912	1,893	1,970	1,983	1,979
Aurora	59	60	59	58	60	46	47	49	49	51
Bataan	28	28	26	26	26	26	24	24	21	21
Bulacan	278	283	289	279	286	300	295	302	302	305
Nueva Ecija	827	827	827	827	830	830	818	884	899	886
Pampanga	622	560	560	550	525	525	525	525	526	526
Tarlac	103	105	105	100	98	95	94	95	95	100
Zambales	85	85	91	91	93	90	90	91	92	91
CALABARZON	2,362	2,369	2,350	2,338	2,319	2,319	2,311	2,304	2,317	2,325
Batangas	288	330	306	306	302	302	300	306	336	341
Cavite	296	297	297	296	296	295	295	293	287	286
Laguna	165	165	162	157	153	156	147	140	135	133
Quezon	1,593	1,557	1,565	1,558	1,547	1,545	1,548	1,544	1,538	1,545
Rizal	20	20	20	21	21	21	21	21	21	21
MIMAROPA	246	248	254	258	273	283	293	320	322	308
Marinduque	13	14	14	14	15	15	15	17	18	17
Occidental Mindoro	100	96	100	102	105	109	117	106	107	105
Oriental Mindoro	33	34	30	32	38	39	41	70	68	55
Palawan	66	70	75	75	79	82	84	86	87	88
Romblon	33	34	35	36	36	37	36	41	43	42
BICOL REGION	427	417	421	423	422	424	422	421	423	421
Albay	77	75	75	78	78	78	78	78	78	78
Camarines Norte	43	41	43	43	43	43	43	40	42	42
Camarines Sur	182	175	176	176	175	177	177	179	179	179
Catanduanes	2	2	2	2	2	2	2	2	2	2
Masbate	111	112	112	112	112	112	110	110	110	110
Sorsogon	12	12	13	12	12	12	12	12	12	11
WESTERN VISAYAS	368	381	386	357	373	385	398	407	413	417
Aklan	38	38	40	33	32	33	35	32	33	31
Antique	36	36	39	38	40	40	42	45	48	48
Capiz	66	69	74	59	64	68	68	72	72	76
Guimaras	17	17	18	17	17	19	21	24	26	29
Iloilo	114	123	118	115	125	128	135	137	138	137
Negros Occidental	97	97	97	95	95	97	97	97	96	96
CENTRAL VISAYAS	856	701	667	662	609	595	580	593	596	602
Bohol	330	200	193	196	198	196	192	197	198	203
Cebu	230	223	216	215	193	184	175	179	180	180
Negros Oriental	288	269	249	241	210	207	206	210	210	212
Siquijor	8	9	9	11	8	8	7	7	7	7
EASTERN VISAYAS	279	284	297	282	260	266	268	262	260	260
Biliran	13	14	14	14	10	10	10	11	11	9
Eastern Samar	12	12	12	12	12	14	13	10	8	8
Leyte	156	157	170	160	140	145	146	144	144	144
Northern Samar	18	18	18	18	18	23	23	23	23	23
Samar (Western Samar)	35	37	38	38	38	38	38	39	39	40
Southern Leyte	46	46	45	41	42	37	38	36	36	36
ZAMBOANGA PENINSULA	707	695	700	675	633	621	610	611	612	578
Zamboanga del Norte	71	77	77	60	61	53	49	50	50	50
Zamboanga del Sur	101	96	94	95	96	96	95	96	94	93
Zamboanga Sibugay	40	37	40	28	24	25	26	26	27	26
City of Zamboanga	495	485	489	492	452	447	440	439	441	410
NORTHERN MINDANAO	487	506	517	526	529	530	524	542	556	574
Bukidnon	68	74	77	78	78	79	81	85	87	89
Camiguin	12	12	11	10	9	10	9	11	10	10
Lanao del Norte	110	112	114	116	116	115	117	112	114	116
Misamis Occidental	53	53	54	56	56	56	54	58	63	67
Misamis Oriental	244	255	261	266	270	270	262	276	281	292
DAVAO REGION	414	391	403	426	429	418	417	424	423	426
Davao del Norte	66	65	67	67	66	54	56	56	55	57
Davao del Sur	91	91	91	93	92	93	92	93	94	79
City of Davao	110	90	105	106	106	106	104	107	108	108
Davao Oriental	56	56	56	58	61	61	61	61	62	62
Davao de Oro (Compostela Valley)	91	89	84	102	104	104	104	107	103	104
Davao Occidental	..	..	..	..	..	..	..	..	..	16
SOCCSKSARGEN	240	242	243	250	247	243	216	209	208	206
North Cotabato	119	120	123	125	125	121	103	101	101	99
Sarangani	25	26	25	25	25	31	28	28	28	28
Sultan Kudarat	51	50	50	52	51	49	44	40	38	38
South Cotabato	45	47	45	47	46	43	41	40	41	41
CARAGA	164	133	139	140	137	147	166	176	192	197
Agusan del Norte	22	13	12	17	17	23	24	24	25	25
Agusan del Sur	66	63	68	75	76	81	98	107	119	119
Dinagat Islands	..	..	..	3	3	3	3	3	4	4
Surigao del Norte	18	16	17	10	8	7	7	7	7	7
Surigao del Sur	58	41	42	35	34	34	35	36	38	42
ARMM	75	76	76	77	70	61	61	63	67	67
Basilan	11	11	11	11	11	11	11	11	11	11
Lanao del Sur	12	12	11	12	12	12	12	12	12	12
Maguindanao	17	17	18	18	19	10	10	11	14	14
Sulu	23	24	24	23	16	16	16	17	18	18
Tawi-tawi	12	13	13	13	12	12	12	12	12	13

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bottle gourd/Upo										
PHILIPPINES	**7,847**	**7,773**	**7,765**	**7,262**	**7,299**	**7,428**	**7,302**	**7,181**	**7,195**	**6,886**
CAR	177	177	180	180	181	181	179	179	180	180
Abra	156	156	156	156	156	156	156	156	156	156
Apayao	1	1	4	5	6	6	4	5	5	5
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	17	17	17	17	17	17	17	17	17	17
Kalinga	3	3	3	3	3	3	3	2	3	2
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	682	682	694	695	695	693	683	706	716	724
Ilocos Norte	215	215	212	213	212	209	213	215	215	217
Ilocos Sur	80	81	81	83	83	84	81	81	80	84
La Union	210	212	216	215	215	214	214	217	236	235
Pangasinan	177	174	185	185	185	185	175	193	185	188
CAGAYAN VALLEY	856	839	825	806	762	755	724	730	713	724
Batanes	..	..	2	2	2	2	2	2	2	2
Cagayan	244	255	266	286	281	277	261	263	252	246
Isabela	548	520	495	461	425	424	411	411	403	416
Nueva Vizcaya	39	42	40	34	33	30	32	34	35	35
Quirino	25	22	22	23	21	22	19	21	22	26
CENTRAL LUZON	636	636	645	624	632	706	687	694	694	698
Aurora	16	15	15	14	17	12	14	14	14	19
Bataan	29	29	29	23	19	19	18	18	18	18
Bulacan	85	88	90	87	91	174	135	140	140	141
Nueva Ecija	274	275	276	281	285	285	304	304	308	310
Pampanga	133	131	133	122	118	118	118	118	118	118
Tarlac	14	13	13	11	14	12	12	13	13	14
Zambales	85	85	89	86	88	86	86	86	83	78
CALABARZON	2,649	2,702	2,680	2,508	2,478	2,508	2,475	2,259	2,264	1,948
Batangas	1,764	1,826	1,825	1,644	1,635	1,640	1,620	1,410	1,408	1,090
Cavite	90	93	80	81	81	80	80	79	79	79
Laguna	83	89	88	88	75	101	92	88	95	96
Quezon	692	674	667	675	667	667	664	665	665	666
Rizal	20	20	20	20	20	20	19	17	17	17
MIMAROPA	83	89	90	92	95	97	102	120	121	135
Marinduque	12	12	12	12	12	12	13	12	13	15
Occidental Mindoro	16	19	20	23	25	27	29	31	30	35
Oriental Mindoro	7	8	8	8	8	8	12	27	27	33
Palawan	41	43	43	41	42	42	43	44	45	46
Romblon	7	7	7	7	8	8	7	7	7	7
BICOL REGION	257	255	257	258	259	263	263	284	289	278
Albay	32	32	32	34	34	34	34	34	34	34
Camarines Norte	53	53	54	54	55	55	55	76	80	69
Camarines Sur	16	15	15	15	15	16	17	18	18	18
Catanduanes	7	7	7	7	7	10	10	10	10	10
Masbate	131	131	131	131	131	131	130	130	130	130
Sorsogon	18	17	18	17	17	17	17	17	18	16
WESTERN VISAYAS	223	225	227	220	226	226	224	224	227	226
Aklan	9	9	9	9	8	8	6	6	6	6
Antique	8	6	5	5	5	5	5	5	5	5
Capiz	38	39	41	35	40	40	42	45	48	51
Guimaras	6	7	7	6	6	7	7	8	7	7
Iloilo	51	54	56	56	57	57	55	52	51	49
Negros Occidental	111	111	110	110	110	110	109	109	110	109
CENTRAL VISAYAS	537	505	512	228	292	291	282	283	280	276
Bohol	27	27	29	25	26	24	22	25	26	25
Cebu	118	100	105	117	180	188	177	175	175	174
Negros Oriental	389	375	375	80	81	75	79	79	75	75
Siquijor	3	3	3	6	5	4	4	4	4	3
EASTERN VISAYAS	309	308	309	298	293	309	310	303	296	292
Biliran	14	15	15	14	14	20	20	17	12	12
Eastern Samar	16	16	16	16	14	15	14	12	10	7
Leyte	217	216	215	206	201	204	205	203	203	203
Northern Samar	7	7	7	7	7	10	10	10	11	11
Samar (Western Samar)	41	42	43	43	43	47	47	47	47	47
Southern Leyte	14	13	13	13	14	13	14	13	13	13
ZAMBOANGA PENINSULA	446	389	355	315	345	361	345	346	349	324
Zamboanga del Norte	119	118	115	101	108	102	87	88	89	86
Zamboanga del Sur	78	56	44	35	37	34	34	35	35	34
Zamboanga Sibugay	80	65	50	33	22	17	16	15	15	15
City of Zamboanga	169	150	146	146	178	209	208	208	210	190
NORTHERN MINDANAO	356	354	371	371	372	368	368	378	385	395
Bukidnon	36	34	32	31	28	29	29	31	31	32
Camiguin	6	6	6	5	5	5	5	5	5	5
Lanao del Norte	147	145	150	153	153	151	155	156	157	157
Misamis Occidental	52	53	53	50	49	48	47	51	54	57
Misamis Oriental	115	116	130	132	137	135	132	136	138	144
DAVAO REGION	344	346	360	399	404	406	392	397	398	398
Davao del Norte	147	152	155	156	156	161	161	163	163	162
Davao del Sur	28	28	28	28	29	27	27	27	28	21
City of Davao	82	82	95	99	99	99	90	91	91	92
Davao Oriental	46	46	46	46	47	44	42	42	42	42
Davao de Oro (Compostela Valley)	41	38	36	70	73	75	72	74	74	74
Davao Occidental	..	..	..	..	..	..	..	..	..	7
SOCCSKSARGEN	120	117	116	124	125	122	114	115	109	109
North Cotabato	31	32	33	34	35	32	30	30	28	28
Sarangani	17	17	17	17	18	19	16	16	16	16
Sultan Kudarat	59	55	55	55	54	53	51	54	50	50
South Cotabato	13	13	11	18	18	18	17	16	16	16
CARAGA	112	85	82	81	74	80	93	98	110	115
Agusan del Norte	58	36	33	42	38	34	36	35	36	38
Agusan del Sur	11	11	13	17	18	27	37	43	51	52
Dinagat Islands	..	..	..	3	3	3	3	3	3	3
Surigao del Norte	23	22	20	7	4	4	4	4	4	4
Surigao del Sur	20	16	16	12	12	13	14	14	17	19
ARMM	62	64	63	64	64	63	61	63	64	64
Basilan	16	16	16	16	16	16	16	16	16	16
Lanao del Sur	11	11	10	10	10	10	10	10	10	10
Maguindanao	15	18	18	18	17	16	16	17	17	17
Sulu	17	17	18	18	19	19	18	19	19	19
Tawi-tawi	3	2	2	2	2	2	2	2	2	2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Broccoli										
PHILIPPINES	**267**	**293**	**305**	**303**	**306**	**285**	**282**	**310**	**296**	**308**
CAR	158	163	166	166	166	157	150	170	148	157
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	158	159	159	159	159	152	145	164	142	150
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	4	7	7	7	5	5	6	7	7
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	5	7	7	6	6	6	8	10	10
Batanes	..	..	0	0	0	0	0	0	0	0
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	5	7	6	6	6	6	8	10	10
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	0	0	0	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	1	0	1	0	2	0	0	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1	0	1	0	2	0	0	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	0	1	1	1	1	2	2	2	2	2
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	0	1	1	1	1	2	2	2	2	2
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	15	16	19	16	15	14	14	12	12	13
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	2	0	..	..	..	..	..	..	..	..
Negros Oriental	13	15	19	16	15	14	14	12	12	13
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	0	0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	0	0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	89	105	107	109	113	103	105	111	115	117
Bukidnon	84	97	101	104	106	97	100	106	109	111
Camiguin	0	..	..	0	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	0	..	0	..	..
Misamis Oriental	5	8	6	5	7	6	5	5	6	6
DAVAO REGION	2	2	2	2	2	2	3	4	4	4
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	2	2	2	2	2	2	3	4	4	4
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	2	2	2	2	2	2	3	4	5	5
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	2	2	2	2	2	2	3	4	5	5
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cabbage										
PHILIPPINES	**8,561**	**8,550**	**8,531**	**8,414**	**8,310**	**8,179**	**8,018**	**7,912**	**7,839**	**7,847**
CAR	5,436	5,444	5,442	5,402	5,316	5,274	5,137	5,117	5,096	5,126
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	4,438	4,440	4,425	4,385	4,291	4,281	4,166	4,106	4,030	4,060
Ifugao	29	29	29	29	30	30	28	28	28	29
Kalinga	6	6	7	8	7	8	7	6	5	4
Mountain Province	964	969	981	980	988	955	936	977	1,033	1,033
ILOCOS REGION	367	369	367	369	372	375	373	367	340	319
Ilocos Norte	21	20	19	19	20	18	19	18	18	18
Ilocos Sur	345	347	347	349	351	355	353	349	321	301
La Union	2	2	1	2	1	1	1	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	195	193	197	191	193	191	218	223	226	208
Batanes	..	..	4	3	3	3	2	3	2	2
Cagayan	74	73	73	75	72	74	79	78	75	60
Isabela	7	3	2	1	3	3	2	1	1	1
Nueva Vizcaya	115	116	118	112	115	111	131	138	145	141
Quirino	..	..	..	..	..	..	3	3	4	5
CENTRAL LUZON	..	..	..	..	..	..	0	0	0	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	130	133	132	127	130	125	128	113	103	107
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	44	52	53	50	51	49	53	54	48	50
Quezon	86	81	79	77	79	76	75	59	55	58
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	17	20	22	22	21	23	22	22	18	18
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	17	20	22	22	21	23	22	22	18	18
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	32	27	26	24	21	10	9	9	8	7
Albay	14	10	9	8	5	5	5	5	5	5
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	14	13	13	12	12	1	1	1	1	1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	4	4	4	4	4	4	3	3	2	2
WESTERN VISAYAS	67	67	69	65	65	68	67	69	72	72
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	9	10	11	10	10	9	9	9	11	11
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	36	35	37	36	36	40	39	41	42	42
Negros Occidental	22	22	21	19	19	19	19	19	19	19
CENTRAL VISAYAS	749	759	704	709	694	651	644	654	653	660
Bohol	..	..	..	..	..	..	3	6	5	5
Cebu	624	637	577	585	570	524	500	500	500	503
Negros Oriental	125	122	127	124	124	127	141	148	148	152
Siquijor	0	..	..	0	0	0	0	0	0	0
EASTERN VISAYAS	34	33	58	27	24	25	25	22	19	19
Biliran	13	13	13	12	12	12	12	8	5	4
Eastern Samar	..	..	25	..	..	..	..	..	..	..
Leyte	15	16	16	12	11	12	12	13	13	13
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	1
Southern Leyte	6	5	4	2	1	1	1	1	1	1
ZAMBOANGA PENINSULA	109	113	119	104	90	78	74	69	69	69
Zamboanga del Norte	20	21	22	18	16	12	10	10	10	10
Zamboanga del Sur	21	22	23	24	24	24	23	22	21	19
Zamboanga Sibugay	9	9	8	3	2	2	3	3	3	3
City of Zamboanga	59	61	66	59	48	40	38	35	36	37
NORTHERN MINDANAO	490	490	494	499	519	510	500	513	525	528
Bukidnon	367	368	371	375	385	386	391	407	417	420
Camiguin	..	..	..	..	0	0	0	0	0	0
Lanao del Norte	33	30	24	20	17	16	14	12	11	10
Misamis Occidental	42	46	48	50	51	49	48	46	45	42
Misamis Oriental	48	46	51	54	66	59	47	48	52	56
DAVAO REGION	616	601	592	581	577	584	573	496	489	493
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	346	346	351	350	354	359	358	360	360	345
City of Davao	238	230	223	219	213	213	204	120	118	118
Davao Oriental	3	3	1	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	29	22	17	12	10	12	11	16	11	11
Davao Occidental	..	..	..	..	..	..	..	..	..	18
SOCCSKSARGEN	223	223	230	221	219	198	176	167	161	161
North Cotabato	152	153	157	146	145	131	113	101	90	88
Sarangani	16	14	13	13	12	4	2	1	1	1
Sultan Kudarat	3	4	6	6	6	6	6	8	10	11
South Cotabato	52	52	54	55	56	57	56	57	60	62
CARAGA	18	4	8	5	2	3	4	4	5	4
Agusan del Norte	13	..	1	..	..	..	..	..	..	..
Agusan del Sur	4	4	7	5	2	3	4	4	5	4
Dinagat Islands	..	..	..	..	..	..	..	..	0	..
Surigao del Norte	2	1	1	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	79	75	71	69	67	67	69	68	56	56
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	19	19	20	18	17	17	17	18	18	18
Maguindanao	60	56	51	51	50	50	52	51	39	39
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carrots										
PHILIPPINES	**5,115**	**4,947**	**4,923**	**4,820**	**4,760**	**4,673**	**4,607**	**4,606**	**4,531**	**4,551**
CAR	3,453	3,359	3,356	3,328	3,318	3,277	3,244	3,257	3,190	3,211
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	2,926	2,927	2,938	2,913	2,903	2,889	2,876	2,889	2,840	2,860
Ifugao	48	48	48	48	48	48	47	47	47	48
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	479	384	370	367	367	340	321	321	303	303
ILOCOS REGION	1	1	1	1	1	0	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1	1	1	1	1	0	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	110	103	96	93	92	90	88	91	92	93
Batanes	..	..	2	1	2	1	1	1	1	1
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	110	103	94	92	90	89	86	87	88	89
Quirino	..	..	..	..	..	..	1	3	2	3
CENTRAL LUZON	2	2	1	..	..	..	0	0	0	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	..
Nueva Ecija	2	2	1	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	4	8	8	7	7	6	7	5	7	8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	0	0	1	1	1	1	1	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	4	8	7	6	6	6	6	5	7	8
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	1	1	1	1	1	1	1
Marinduque	..	..	..	1	1	1	1	1	1	1
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	4	5	5	5	5	5	5	5	5	5
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	4	5	5	5	5	5	5	5	5	5
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	24	24	23	24	25	25	25	24	24	24
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	4	4	3	4	4	4	5	5	5	6
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	0	..
Iloilo	10	11	10	11	12	11	10	9	9	8
Negros Occidental	10	10	10	10	10	10	10	10	10	10
CENTRAL VISAYAS	788	699	690	621	584	570	569	574	581	586
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	419	357	345	344	312	308	301	300	301	301
Negros Oriental	369	342	345	277	272	262	268	274	280	285
Siquijor	..	..	..	0	..	..	..	..	..	..
EASTERN VISAYAS	4	4	4	4	4	4	4	2	2	1
Biliran	4	4	4	4	4	4	4	2	2	1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	0	0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	90	94	95	92	82	73	72	68	66	61
Zamboanga del Norte	25	27	26	24	22	18	17	17	16	16
Zamboanga del Sur	8	7	5	6	7	8	7	7	6	6
Zamboanga Sibugay	5	6	6	3	3	3	3	3	3	3
City of Zamboanga	52	55	58	59	50	45	45	41	40	36
NORTHERN MINDANAO	140	137	136	131	132	123	120	119	117	117
Bukidnon	103	99	104	100	102	95	96	100	102	103
Camiguin	..	..	..	..	..	..	0	0	..	..
Lanao del Norte	12	11	9	8	6	5	2	..	..	..
Misamis Occidental	20	20	19	21	20	20	20	16	12	11
Misamis Oriental	5	7	5	3	4	3	3	3	3	3
DAVAO REGION	351	362	354	362	360	350	344	333	323	320
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	248	265	272	275	275	268	272	273	273	270
City of Davao	35	32	34	32	33	34	24	24	24	25
Davao Oriental	9	9	9	11	12	12	12	12	12	12
Davao de Oro (Compostela Valley)	59	56	39	44	40	36	36	24	14	13
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	143	147	154	151	149	149	129	128	125	124
North Cotabato	57	60	65	65	67	67	61	58	54	52
Sarangani	57	57	58	54	52	53	39	40	40	40
Sultan Kudarat	6	6	8	8	8	8	7	9	9	10
South Cotabato	23	24	24	24	22	21	21	22	22	22
CARAGA	1	2	..	1	2	..	..	..	0	..
Agusan del Norte	1	2	..	..	1	..	..	..	..	..
Agusan del Sur	..	..	..	1	1	..	..	..	0	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cassava										
PHILIPPINES	**217,622**	**221,235**	**217,259**	**217,146**	**216,775**	**222,993**	**229,769**	**234,540**	**227,644**	**222,441**
CAR	317	313	489	632	655	659	877	1,171	1,099	730
Abra	16	16	16	16	16	16	16	16	16	16
Apayao	85	84	290	438	443	445	445	448	445	493
Benguet	156	153	121	112	112	112	111	108	107	98
Ifugao	18	18	18	19	36	31	266	562	502	102
Kalinga	26	26	28	31	32	38	23	20	13	6
Mountain Province	16	16	16	16	16	17	16	18	16	15
ILOCOS REGION	2,312	2,264	1,944	1,905	1,897	1,916	1,930	1,926	1,914	1,901
Ilocos Norte	468	411	392	395	399	403	406	410	408	409
Ilocos Sur	105	107	112	119	120	125	122	124	122	118
La Union	208	212	223	219	223	233	240	231	222	226
Pangasinan	1,532	1,534	1,217	1,172	1,155	1,155	1,162	1,162	1,162	1,149
CAGAYAN VALLEY	3,336	4,859	4,843	4,895	8,637	14,175	19,114	22,069	20,618	19,112
Batanes	..	..	4	4	5	4	1	1	1	2
Cagayan	933	946	946	986	1,023	1,310	1,717	1,676	1,523	1,391
Isabela	2,021	3,571	3,563	3,575	7,084	10,859	13,762	16,224	14,627	13,544
Nueva Vizcaya	117	120	130	130	145	173	239	246	250	250
Quirino	265	222	200	200	379	1,830	3,394	3,922	4,217	3,925
CENTRAL LUZON	1,207	1,312	1,577	1,681	1,786	1,935	1,926	2,046	2,065	2,099
Aurora	158	159	165	179	196	370	373	496	516	495
Bataan	46	46	200	200	198	196	195	195	195	195
Bulacan	57	56	103	95	103	103	94	95	95	93
Nueva Ecija	86	86	84	84	84	83	80	82	81	76
Pampanga	710	690	740	755	796	796	796	797	811	844
Tarlac	15	15	20	38	52	55	56	56	65	73
Zambales	135	260	265	330	357	332	332	326	302	323
CALABARZON	7,894	7,885	7,803	7,896	7,641	7,253	7,231	7,223	7,204	7,215
Batangas	850	972	940	1,019	979	885	860	865	850	862
Cavite	330	330	302	316	305	302	305	307	307	310
Laguna	136	140	147	152	150	154	157	154	157	156
Quezon	6,475	6,337	6,308	6,299	6,097	5,802	5,795	5,785	5,780	5,777
Rizal	103	106	106	110	110	110	114	112	110	110
MIMAROPA	2,346	2,389	2,471	2,602	2,600	2,618	2,830	2,817	2,753	2,741
Marinduque	76	80	80	81	82	82	88	84	85	88
Occidental Mindoro	552	562	567	569	574	578	808	815	817	786
Oriental Mindoro	463	474	485	566	589	610	622	636	607	635
Palawan	873	888	953	1,015	1,046	1,056	1,056	1,026	985	986
Romblon	382	385	386	371	309	292	257	257	258	247
BICOL REGION	22,830	22,750	22,753	22,825	22,254	22,396	22,330	21,485	21,409	20,661
Albay	1,820	1,800	1,725	1,725	1,700	1,710	1,910	1,910	1,810	1,690
Camarines Norte	695	692	698	705	705	730	730	732	786	761
Camarines Sur	16,724	16,716	16,785	16,677	16,665	16,665	16,657	15,810	15,765	15,371
Catanduanes	90	90	90	90	90	156	154	154	154	159
Masbate	845	845	845	1,120	1,120	1,185	1,185	1,185	1,185	1,192
Sorsogon	2,656	2,607	2,610	2,508	1,974	1,950	1,694	1,694	1,709	1,488
WESTERN VISAYAS	6,682	6,749	6,807	6,726	6,574	6,432	6,244	6,119	5,865	5,840
Aklan	784	783	780	727	635	633	627	631	632	629
Antique	392	395	394	409	417	426	436	436	440	433
Capiz	702	700	698	624	617	627	628	619	616	614
Guimaras	66	78	85	71	80	73	62	70	66	66
Iloilo	1,670	1,715	1,765	1,810	1,740	1,593	1,426	1,305	1,053	1,045
Negros Occidental	3,068	3,078	3,085	3,085	3,085	3,080	3,065	3,058	3,058	3,053
CENTRAL VISAYAS	15,131	15,894	11,521	10,624	8,759	9,400	9,862	9,689	8,021	7,174
Bohol	8,117	8,917	5,193	4,505	3,083	3,813	4,054	3,806	2,146	1,806
Cebu	2,450	2,423	2,483	2,395	2,445	2,420	2,636	2,570	2,570	2,565
Negros Oriental	3,555	3,669	3,160	3,262	2,749	2,680	2,685	2,820	2,820	2,399
Siquijor	1,009	885	685	462	482	487	487	493	485	405
EASTERN VISAYAS	22,714	22,533	21,441	19,675	16,672	15,803	15,444	15,393	14,427	14,128
Biliran	625	617	560	505	429	432	450	405	365	342
Eastern Samar	2,173	2,173	2,173	2,172	2,058	2,054	2,074	2,027	1,766	1,414
Leyte	7,611	7,940	7,022	6,813	4,826	4,990	4,620	4,630	4,530	4,530
Northern Samar	2,575	2,600	2,420	2,340	2,140	2,200	2,187	2,187	1,740	1,745
Samar (Western Samar)	4,840	4,420	4,440	4,440	4,080	4,088	4,091	4,112	3,995	4,074
Southern Leyte	4,890	4,783	4,826	3,405	3,139	2,039	2,022	2,031	2,030	2,022
ZAMBOANGA PENINSULA	7,052	7,015	6,989	6,499	6,027	5,986	6,640	6,935	6,438	6,244
Zamboanga del Norte	1,659	1,620	1,579	1,350	1,098	1,060	1,079	1,487	1,242	1,182
Zamboanga del Sur	2,748	2,754	2,733	2,739	2,744	2,746	3,490	3,405	3,147	3,056
Zamboanga Sibugay	449	480	464	380	350	354	356	330	328	315
City of Zamboanga	2,196	2,161	2,213	2,030	1,835	1,826	1,716	1,713	1,721	1,691
NORTHERN MINDANAO	20,938	24,358	24,440	25,168	25,821	27,904	27,837	28,607	27,621	26,884
Bukidnon	11,510	13,700	13,750	16,150	16,550	18,221	18,151	18,811	17,931	17,508
Camiguin	280	272	252	273	273	266	221	221	206	199
Lanao del Norte	1,310	1,316	1,330	1,305	1,220	1,227	1,239	1,244	1,225	1,223
Misamis Occidental	1,888	1,897	2,048	1,830	1,760	1,650	1,652	1,761	1,749	1,715
Misamis Oriental	5,950	7,173	7,060	5,610	6,018	6,540	6,574	6,570	6,510	6,240
DAVAO REGION	2,174	2,159	2,103	2,175	2,342	2,399	2,591	2,627	2,559	2,491
Davao del Norte	410	420	429	453	457	472	499	501	458	407
Davao del Sur	705	685	647	648	652	663	698	709	709	333
City of Davao	249	256	272	301	319	323	326	336	336	337
Davao Oriental	340	340	333	363	494	497	492	499	506	506
Davao de Oro (Compostela Valley)	470	458	422	410	420	444	576	582	550	556
Davao Occidental	..	..	..	..	..	..	..	..	..	352
SOCCSKSARGEN	1,984	2,111	2,215	3,497	4,282	4,128	3,870	4,332	3,951	3,754
North Cotabato	983	987	990	990	929	870	865	812	707	685
Sarangani	96	98	98	100	103	105	94	94	85	79
Sultan Kudarat	170	195	175	157	160	165	99	103	71	19
South Cotabato	735	831	952	2,250	3,090	2,988	2,812	3,323	3,088	2,972
CARAGA	6,678	4,474	4,085	2,860	2,740	2,722	2,789	2,746	2,764	2,612
Agusan del Norte	1,068	950	770	510	488	425	400	440	445	446
Agusan del Sur	547	415	425	480	490	514	520	450	465	471
Dinagat Islands	..	..	..	140	166	166	105	106	107	105
Surigao del Norte	2,458	1,349	1,130	400	248	269	254	260	260	260
Surigao del Sur	2,605	1,760	1,760	1,330	1,348	1,348	1,510	1,490	1,487	1,330
ARMM	94,029	94,171	95,777	97,486	98,089	97,266	98,253	99,355	98,938	98,855
Basilan	17,224	17,469	17,474	17,479	17,479	17,479	17,479	17,479	17,479	17,479
Lanao del Sur	29,220	29,220	31,000	33,000	33,500	32,500	32,500	32,500	32,500	32,500
Maguindanao	815	718	700	745	850	1,000	1,990	2,490	2,071	2,071
Sulu	27,826	27,826	27,665	27,325	27,325	27,350	27,350	27,950	27,950	27,950
Tawi-tawi	18,944	18,938	18,938	18,937	18,935	18,937	18,934	18,936	18,938	18,855

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cauliflower										
PHILIPPINES	**987**	**1,067**	**1,081**	**1,105**	**1,095**	**1,079**	**1,069**	**1,098**	**1,042**	**1,058**
CAR	340	341	339	334	332	329	324	351	323	328
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	337	338	337	332	330	328	323	350	323	328
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	3	3	2	2	2	1	1	1	0	0
ILOCOS REGION	421	423	422	439	438	440	438	433	402	408
Ilocos Norte	1	1	0	0	0	0	0	0	0	0
Ilocos Sur	420	422	422	438	438	440	437	433	401	408
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	30	100	101	96	95	85	86	86	86	87
Batanes	..	..	1	0	0	0	0	1	0	0
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	30	100	100	96	95	85	86	86	86	87
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	5	5	4	3	1	1	0	0	0	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	..
Nueva Ecija	5	5	4	3	1	1	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	1	1	1	1	2	0	0	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	1	1	1	1	2	0	0	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	2	2	2	2	2	2	2
Marinduque	..	..	..	2	2	2	2	2	2	2
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	1	6	11	11	10	12	11	12	12	12
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	1	6	11	11	10	12	11	12	12	12
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	22	23	29	35	27	27	28	26	28	29
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	11	13	17	19	18	19	17	17	19	19
Negros Oriental	11	10	12	16	10	8	10	9	9	10
Siquijor	..	..	..	..	..	-	..	0	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	0	0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	0	0
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	2	3	4	4	4	4	4	3	3	3
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	2	3	4	4	4	4	4	3	3	3
NORTHERN MINDANAO	104	112	117	125	129	124	126	130	134	136
Bukidnon	99	105	110	116	119	115	118	122	126	128
Camiguin	0	..	..	0	..	0	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	0	..	..	..	..
Misamis Oriental	5	7	7	9	10	9	8	8	8	9
DAVAO REGION	33	26	25	25	24	23	22	22	22	22
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	15	15	15	15	15	14	13	13	13	13
City of Davao	14	9	7	6	5	5	6	6	7	7
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	4	2	3	4	4	4	4	3	3	2
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	29	28	29	31	32	30	29	33	31	30
North Cotabato	7	7	7	8	9	9	9	8	7	6
Sarangani	7	5	5	5	5	4	3	3	2	2
Sultan Kudarat	0	0	..	..	..	..	..	..	..	..
South Cotabato	15	16	17	17	18	17	17	23	22	22
CARAGA	..	..	0	1	0	0	0	0	..	..
Agusan del Norte	..	..	0	0	..	..	0	..	..	..
Agusan del Sur	..	..	..	0	0	0	0	0	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Eggplant										
PHILIPPINES	**21,423**	**21,377**	**21,485**	**21,239**	**21,159**	**21,008**	**21,038**	**21,446**	**21,651**	**21,819**
CAR	134	133	137	142	147	147	155	157	159	164
Abra	59	59	59	59	59	59	59	59	59	59
Apayao	6	5	11	16	21	23	20	21	27	28
Benguet	2	2	2	2	2	3	2	4	4	12
Ifugao	29	29	29	29	30	30	43	43	43	43
Kalinga	34	34	33	33	32	31	28	28	24	21
Mountain Province	4	4	3	3	3	2	2	2	2	2
ILOCOS REGION	4,815	4,866	4,905	4,938	4,969	5,036	5,112	5,152	5,159	5,289
Ilocos Norte	603	611	620	627	640	648	652	663	666	671
Ilocos Sur	310	315	316	331	340	349	355	363	367	370
La Union	163	161	187	196	203	205	211	213	220	224
Pangasinan	3,738	3,780	3,781	3,785	3,787	3,835	3,894	3,912	3,907	4,024
CAGAYAN VALLEY	1,743	1,875	1,893	1,923	1,963	1,905	1,817	1,828	1,818	1,847
Batanes	..	..	4	3	3	4	3	3	3	3
Cagayan	647	726	740	750	743	661	609	598	598	597
Isabela	930	991	988	1,005	1,040	1,063	1,029	1,021	1,014	1,032
Nueva Vizcaya	105	105	109	111	123	123	125	145	146	151
Quirino	61	53	52	54	54	54	51	60	57	64
CENTRAL LUZON	2,908	2,914	2,938	2,718	2,786	2,843	2,823	2,895	3,015	3,007
Aurora	96	98	101	99	102	92	101	104	105	93
Bataan	106	106	106	106	105	105	105	105	106	111
Bulacan	150	153	153	148	155	198	198	201	201	205
Nueva Ecija	1,547	1,547	1,547	1,538	1,548	1,555	1,529	1,590	1,697	1,694
Pampanga	131	126	135	135	132	132	133	134	135	135
Tarlac	785	785	785	574	620	640	640	645	656	661
Zambales	93	99	111	118	124	121	117	116	116	108
CALABARZON	1,775	1,877	1,803	1,798	1,752	1,515	1,483	1,533	1,549	1,563
Batangas	640	750	685	657	602	369	354	359	360	362
Cavite	96	97	86	85	85	85	75	70	71	71
Laguna	170	160	157	156	159	155	154	161	173	180
Quezon	801	800	805	830	836	836	828	873	875	880
Rizal	68	70	70	70	70	70	72	70	71	71
MIMAROPA	956	984	988	963	980	1,029	1,043	1,145	1,172	1,157
Marinduque	179	182	182	182	180	180	180	184	189	196
Occidental Mindoro	455	470	476	447	455	482	491	505	517	508
Oriental Mindoro	69	76	69	74	77	95	98	180	186	173
Palawan	148	149	155	153	160	163	165	167	169	171
Romblon	104	107	105	107	109	110	109	110	111	109
BICOL REGION	1,383	1,355	1,363	1,359	1,359	1,363	1,353	1,388	1,369	1,362
Albay	368	363	363	363	363	363	363	363	363	363
Camarines Norte	44	43	45	45	45	45	41	33	14	14
Camarines Sur	686	667	673	673	673	672	674	717	717	714
Catanduanes	11	11	11	11	11	18	18	18	18	18
Masbate	214	214	214	214	214	214	209	209	209	209
Sorsogon	60	57	57	53	53	51	48	48	48	45
WESTERN VISAYAS	1,469	1,495	1,527	1,478	1,516	1,552	1,579	1,563	1,601	1,595
Aklan	41	41	39	38	40	41	41	39	38	38
Antique	76	76	78	80	81	78	70	82	81	84
Capiz	107	110	119	90	106	103	101	101	97	97
Guimaras	26	26	27	26	28	26	24	26	28	29
Iloilo	818	835	855	835	852	895	929	897	941	931
Negros Occidental	401	407	409	409	409	409	414	418	416	415
CENTRAL VISAYAS	1,918	1,649	1,632	1,642	1,401	1,393	1,314	1,404	1,407	1,388
Bohol	637	390	418	423	406	405	325	398	400	392
Cebu	943	944	894	852	705	705	691	690	691	691
Negros Oriental	313	289	296	355	280	273	288	306	306	295
Siquijor	25	26	24	12	10	10	10	10	10	10
EASTERN VISAYAS	343	352	355	344	324	328	328	315	296	273
Biliran	18	23	23	22	21	22	23	17	10	9
Eastern Samar	69	69	70	68	66	64	64	55	43	19
Leyte	162	163	165	164	146	150	148	149	149	149
Northern Samar	31	31	31	30	31	33	34	34	34	35
Samar (Western Samar)	32	33	32	32	31	31	31	33	33	34
Southern Leyte	31	33	33	28	29	28	28	27	27	28
ZAMBOANGA PENINSULA	594	593	602	559	545	500	491	492	498	480
Zamboanga del Norte	107	110	109	86	88	64	57	60	60	59
Zamboanga del Sur	64	59	56	60	60	59	61	62	62	60
Zamboanga Sibugay	107	103	109	100	81	62	64	65	68	66
City of Zamboanga	316	321	328	313	316	315	310	305	308	296
NORTHERN MINDANAO	775	795	814	831	839	828	845	872	895	921
Bukidnon	175	185	195	195	198	192	197	207	218	224
Camiguin	18	17	16	16	16	16	17	18	19	19
Lanao del Norte	248	250	252	256	256	252	256	254	254	254
Misamis Occidental	132	137	142	144	144	145	148	151	152	154
Misamis Oriental	202	206	209	220	225	223	227	242	252	270
DAVAO REGION	1,219	1,173	1,162	1,174	1,162	1,140	1,101	1,108	1,109	1,115
Davao del Norte	348	338	345	345	310	288	291	296	296	294
Davao del Sur	78	83	90	91	94	90	90	92	96	75
City of Davao	356	320	323	327	327	327	296	297	300	301
Davao Oriental	180	180	181	181	198	198	190	190	190	191
Davao de Oro (Compostela Valley)	257	252	223	230	233	237	234	233	227	230
Davao Occidental	..	..	..	..	..	..	..	..	..	25
SOCCSKSARGEN	624	631	638	626	642	641	644	642	578	573
North Cotabato	434	440	442	407	420	419	421	415	358	353
Sarangani	47	49	49	50	51	53	51	52	52	52
Sultan Kudarat	75	74	75	76	74	74	77	78	95	72
South Cotabato	68	68	71	93	98	95	95	97	73	96
CARAGA	544	468	499	510	560	574	735	734	802	857
Agusan del Norte	34	31	31	37	39	45	48	53	56	56
Agusan del Sur	416	355	385	385	440	450	600	580	635	686
Dinagat Islands	..	..	..	3	3	3	2	3	5	8
Surigao del Norte	17	9	10	12	6	5	5	5	6	6
Surigao del Sur	77	73	74	73	72	72	80	93	100	102
ARMM	225	219	230	236	215	215	216	218	226	226
Basilan	14	16	17	18	18	18	18	18	18	18
Lanao del Sur	28	28	29	34	33	33	33	33	33	33
Maguindanao	150	140	146	146	145	146	146	148	155	155
Sulu	23	25	27	27	11	10	11	11	11	11
Tawi-tawi	10	11	11	11	8	8	8	8	8	8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Garlic										
PHILIPPINES	**3,039**	**2,830**	**2,676**	**2,539**	**2,555**	**2,744**	**2,647**	**2,569**	**2,654**	**2,612**
CAR	12	8	8	7	7	7	6	6	2	2
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	4	..	..	..	..	..	..	..	..	..
Kalinga	8	8	8	7	7	7	6	6	2	2
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	2,251	2,057	1,839	1,864	1,879	2,075	2,014	1,991	1,987	1,969
Ilocos Norte	2,130	1,935	1,715	1,740	1,750	1,933	1,880	1,856	1,852	1,845
Ilocos Sur	115	117	119	120	125	138	130	131	131	120
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	6	5	5	4	4	4	4	4	4	4
CAGAYAN VALLEY	51	51	131	142	153	147	149	125	126	131
Batanes	..	..	85	90	93	97	96	76	76	77
Cagayan	17	17	17	17	16	14	13	11	10	11
Isabela	5	4	2	1	1	0	0	0	0	0
Nueva Vizcaya	29	30	27	35	44	35	40	38	40	43
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	141	140	135	133	133	135	118	118	230	241
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	141	140	135	133	133	130	118	118	230	241
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	5	..	..	..	..
CALABARZON	83	71	67	65	61	50	46	42	40	3
Batangas	21	16	17	17	16	6	3	1	1	1
Cavite	10	9	5	5	5	5	5	4	2	2
Laguna	2	1	2	5	3	2	2	..	..	..
Quezon	50	45	43	38	37	37	37	37	37	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	489	492	488	301	299	307	292	265	245	241
Marinduque	10	10	10	10	8	8	6	5	5	5
Occidental Mindoro	438	442	440	253	254	255	245	216	198	190
Oriental Mindoro	25	26	25	27	28	35	35	38	36	40
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	16	14	13	12	9	8	6	6	6	6
BICOL REGION	1	1	1	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	1	1	1	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	9	8	5	25	21	22	20	20	22	24
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	9	8	5	25	21	22	20	20	22	24
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	..	..	..	..	0	0	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	0	0	..	..	..	..
EASTERN VISAYAS	2	2	2	2	2	2	2	2	2	2
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	2	2	2	2	2	2	2	2	2	2
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ginger										
PHILIPPINES	**3,967**	**4,037**	**4,012**	**3,963**	**3,850**	**3,805**	**3,831**	**3,908**	**3,930**	**3,924**
CAR	151	145	143	139	137	136	131	133	127	130
Abra	18	18	18	18	18	18	18	18	18	18
Apayao	13	12	9	9	10	9	9	9	9	10
Benguet	41	39	39	39	36	34	31	33	25	27
Ifugao	72	70	70	67	67	67	62	62	62	61
Kalinga	5	5	5	5	5	6	9	10	10	10
Mountain Province	2	2	2	2	2	2	2	2	4	4
ILOCOS REGION	123	130	133	135	138	144	152	159	168	170
Ilocos Norte	42	42	43	45	48	51	56	63	69	69
Ilocos Sur	17	19	21	21	20	22	24	25	27	26
La Union	29	34	35	35	36	37	38	38	38	39
Pangasinan	35	35	34	34	34	34	33	33	33	35
CAGAYAN VALLEY	797	776	755	776	778	762	762	684	686	700
Batanes	..	..	7	7	7	4	3	3	3	3
Cagayan	158	164	164	171	167	161	150	155	158	157
Isabela	92	62	35	25	21	22	19	18	19	18
Nueva Vizcaya	533	536	534	558	568	558	566	483	481	493
Quirino	14	14	15	15	15	17	24	25	26	29
CENTRAL LUZON	174	176	180	183	184	188	189	202	200	200
Aurora	26	29	31	34	36	34	39	43	43	43
Bataan	12	12	12	13	12	12	12	12	12	12
Bulacan	23	22	22	21	24	30	27	27	27	27
Nueva Ecija	69	68	67	66	63	63	62	70	70	70
Pampanga	2	2	2	3	3	3	3	3	3	3
Tarlac	24	23	23	23	23	23	23	23	23	23
Zambales	18	20	23	23	23	23	23	23	21	22
REGION IV-A (CALABARZON)	411	428	378	374	362	333	333	378	390	384
Batangas	156	166	115	103	91	61	62	111	111	107
Cavite	40	40	37	35	35	33	32	29	29	29
Laguna	19	21	25	26	23	25	25	25	26	27
Quezon	189	192	192	200	204	204	205	203	214	212
Rizal	7	9	9	10	10	10	10	10	9	10
MIMAROPA	107	126	128	132	137	138	145	170	164	173
Marinduque	13	13	13	13	13	13	11	12	13	13
Occidental Mindoro	17	20	22	24	25	24	25	26	27	26
Oriental Mindoro	25	25	26	27	28	30	39	60	51	59
Palawan	38	53	52	53	56	55	55	57	59	59
Romblon	14	15	15	16	15	16	16	16	16	16
BICOL REGION	73	73	77	82	82	82	82	85	89	88
Albay	17	16	19	22	23	23	23	25	28	28
Camarines Norte	3	5	5	6	6	6	6	6	6	6
Camarines Sur	33	32	33	33	32	32	32	34	34	33
Catanduanes	4	4	4	4	4	4	4	4	4	4
Masbate	10	10	10	10	10	10	10	10	10	10
Sorsogon	6	6	6	7	7	7	7	7	7	7
WESTERN VISAYAS	211	219	221	222	214	204	207	216	225	221
Aklan	39	40	40	41	41	37	38	41	43	42
Antique	45	43	41	40	38	38	36	37	38	38
Capiz	32	37	39	41	40	36	39	43	47	46
Guimaras	1	1	1	1	1	1	1	2	2	2
Iloilo	42	46	48	47	42	41	38	40	42	41
Negros Occidental	52	52	52	52	52	52	54	54	53	52
CENTRAL VISAYAS	335	342	335	319	317	326	342	354	346	343
Bohol	121	127	123	128	134	133	132	137	130	126
Cebu	191	189	176	164	150	165	182	182	182	178
Negros Oriental	18	20	30	22	30	25	25	31	30	36
Siquijor	5	6	6	5	4	4	3	4	4	4
EASTERN VISAYAS	275	279	284	281	250	261	264	276	275	276
Biliran	29	31	31	29	27	29	30	33	31	31
Eastern Samar	10	10	10	10	10	13	13	16	16	15
Leyte	180	179	181	177	147	150	150	154	154	154
Northern Samar	10	10	10	10	10	14	14	14	14	14
Samar (Western Samar)	35	38	40	40	40	41	41	43	43	46
Southern Leyte	11	12	12	15	15	14	16	17	17	16
ZAMBOANGA PENINSULA	115	123	137	126	113	112	110	110	111	106
Zamboanga del Norte	29	29	29	29	29	29	27	26	26	26
Zamboanga del Sur	42	45	47	47	47	44	44	45	46	44
Zamboanga Sibugay	28	30	39	29	20	23	24	24	24	23
City of Zamboanga	16	19	22	21	17	16	16	15	15	13
NORTHERN MINDANAO	671	692	719	739	707	703	699	706	711	707
Bukidnon	54	58	66	61	57	48	49	52	55	55
Camiguin	5	5	5	5	4	3	3	4	4	4
Lanao del Norte	504	514	525	540	525	533	531	532	532	527
Misamis Occidental	82	85	90	91	91	90	89	90	90	89
Misamis Oriental	26	30	33	42	30	29	27	28	30	32
DAVAO REGION	260	265	256	255	237	239	234	245	253	241
Davao del Norte	30	33	30	29	27	30	31	31	31	30
Davao del Sur	90	98	106	105	100	98	95	96	96	89
City of Davao	38	36	38	39	36	35	34	39	39	38
Davao Oriental	6	6	10	12	13	13	16	18	20	21
Davao de Oro (Compostela Valley)	96	92	72	70	61	63	59	61	66	62
Davao Occidental	..	..	..	..	..	..	..	..	..	1
SOCCSKSARGEN	100	106	106	103	97	91	89	89	86	83
North Cotabato	51	63	65	63	58	53	54	56	53	50
Sarangani	17	14	14	13	11	11	9	10	10	10
Sultan Kudarat	5	5	5	4	4	4	4	4	5	5
South Cotabato	28	25	23	24	24	23	21	20	19	18
CARAGA	44	35	34	32	27	22	29	35	35	38
Agusan del Norte	15	10	8	8	6	5	5	4	4	4
Agusan del Sur	13	13	15	11	11	7	13	19	17	18
Dinagat Islands	..	..	..	1	1	1	1	1	2	2
Surigao del Norte	5	5	3	4	2	2	2	2	2	2
Surigao del Sur	11	8	8	8	8	8	9	10	10	12
ARMM	121	123	127	66	69	65	65	66	65	65
Basilan	4	4	4	5	5	5	5	5	5	5
Lanao del Sur	98	98	99	38	38	38	38	38	38	38
Maguindanao	16	18	20	20	22	18	18	19	18	18
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	2	3	3	4	4	4	4	4	4	4

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Greater yam/Ubi										
PHILIPPINES	**4,744**	**2,975**	**2,688**	**2,621**	**2,616**	**2,433**	**2,476**	**2,457**	**2,446**	**2,447**
CAR	28	29	31	33	34	33	33	35	33	32
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	2	3	3	4	4	4	4	4	4	4
Benguet	24	24	24	24	24	23	23	25	24	24
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	2	2	4	5	6	6	6	6	5	5
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	20	18	20	31	45	45	45	45	45	46
Ilocos Norte	10	9	10	10	11	11	11	11	12	11
Ilocos Sur	..	..	..	10	22	22	21	21	21	21
La Union	10	9	10	11	12	12	13	13	13	13
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	293	275	335	329	330	317	305	298	293	291
Batanes	..	..	63	58	61	51	38	37	35	34
Cagayan	206	196	196	202	207	207	202	194	190	189
Isabela	44	35	33	29	25	25	23	23	22	21
Nueva Vizcaya	33	34	33	30	27	24	29	30	30	31
Quirino	10	10	10	10	10	10	13	15	15	17
CENTRAL LUZON	90	94	92	93	94	94	100	102	101	103
Aurora	36	39	37	40	42	41	47	52	50	51
Bataan	10	10	10	9	9	9	9	9	9	9
Bulacan	20	20	20	19	20	21	21	19	19	19
Nueva Ecija	5	5	5	5	3	3	2	2	2	2
Pampanga	4	4	4	4	4	4	4	4	4	4
Tarlac	..	..	..	..	..	..	..	..	0	1
Zambales	15	16	16	16	16	16	17	16	16	17
CALABARZON	114	114	113	117	119	121	206	208	210	209
Batangas	24	23	19	19	21	22	23	24	23	24
Cavite	48	48	50	51	51	51	52	52	55	55
Laguna	18	18	19	20	20	21	21	21	21	21
Quezon	24	25	25	27	27	27	110	111	111	109
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	93	100	104	105	109	108	109	114	115	115
Marinduque	14	15	15	15	15	13	13	15	15	15
Occidental Mindoro	18	19	20	23	24	25	25	26	26	25
Oriental Mindoro	7	7	7	7	7	7	8	9	10	9
Palawan	29	34	36	40	44	44	44	44	45	44
Romblon	24	25	26	20	19	19	19	20	20	21
BICOL REGION	97	94	92	91	88	88	82	82	77	77
Albay	67	64	62	61	58	58	53	53	48	48
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	3	3	3	3	3	3	3	3	3	3
Catanduanes	2	2	2	2	2	2	2	2	2	2
Masbate	21	21	21	21	21	21	21	21	21	21
Sorsogon	4	4	4	4	4	4	3	3	3	3
WESTERN VISAYAS	99	99	100	98	93	99	90	84	84	82
Aklan	31	31	32	32	30	28	26	24	24	24
Antique	7	7	6	7	6	6	6	6	6	6
Capiz	8	7	9	9	11	12	11	11	12	10
Guimaras	12	11	12	10	8	13	9	7	6	6
Iloilo	19	20	19	18	17	19	18	18	17	17
Negros Occidental	22	22	22	22	22	22	20	20	20	20
CENTRAL VISAYAS	3,178	1,449	1,091	1,066	1,062	915	920	913	915	916
Bohol	3,095	1,370	1,015	992	994	847	854	850	854	854
Cebu	47	43	38	38	37	37	34	32	31	31
Negros Oriental	34	34	36	34	30	30	30	30	29	30
Siquijor	2	2	2	2	1	1	1	1	1	1
EASTERN VISAYAS	233	232	242	205	199	199	195	180	176	183
Biliran	40	40	40	36	36	36	35	24	20	19
Eastern Samar	24	24	24	24	22	21	19	15	14	20
Leyte	124	124	133	100	97	98	97	97	98	98
Northern Samar	5	5	5	5	5	5	5	5	5	5
Samar (Western Samar)	10	30	30	30	30	30	30	30	31	33
Southern Leyte	31	9	10	10	9	9	8	8	8	8
ZAMBOANGA PENINSULA	59	59	63	60	61	61	60	62	62	60
Zamboanga del Norte	13	13	13	12	12	10	8	8	8	8
Zamboanga del Sur	21	21	24	24	27	24	26	26	26	25
Zamboanga Sibugay	15	16	16	14	13	19	18	19	19	19
City of Zamboanga	10	10	10	10	9	8	8	9	9	9
NORTHERN MINDANAO	189	184	183	184	184	169	166	165	168	167
Bukidnon	9	8	6	4	4	4	3	4	4	4
Camiguin	7	5	5	4	2	2	1	2	2	2
Lanao del Norte	148	148	148	152	152	140	138	136	137	135
Misamis Occidental	15	15	15	15	15	14	13	13	13	13
Misamis Oriental	10	8	9	9	11	10	10	10	12	13
DAVAO REGION	83	76	69	62	58	54	45	46	44	45
Davao del Norte	10	9	8	8	7	7	7	7	6	6
Davao del Sur	24	24	24	22	22	22	21	21	21	21
City of Davao	22	19	19	17	16	16	9	9	9	9
Davao Oriental	4	4	2	3	2	2	1	1	..	..
Davao de Oro (Compostela Valley)	23	20	16	12	11	8	8	9	8	8
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	74	74	73	72	69	64	57	58	57	55
North Cotabato	30	30	30	30	29	27	27	26	26	26
Sarangani	17	17	17	16	14	13	10	10	10	10
Sultan Kudarat	9	9	9	8	8	8	8	7	7	7
South Cotabato	18	18	17	18	18	16	13	14	14	13
CARAGA	44	27	29	22	16	12	9	10	10	11
Agusan del Norte	6	4	3	4	4	4	2	2	2	2
Agusan del Sur	4	3	3	3	2	2	1	1	2	2
Dinagat Islands	..	..	..	1	0	0	1	1	0	0
Surigao del Norte	22	9	12	11	6	2	2	2	1	1
Surigao del Sur	12	11	11	5	5	5	4	4	4	6
ARMM	52	51	51	55	56	56	56	56	56	56
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	24	24	24	28	28	28	28	28	28	28
Maguindanao	28	27	27	27	28	28	28	28	28	28
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lady's finger/Okra										
PHILIPPINES	**3,570**	**3,497**	**3,570**	**3,587**	**3,648**	**3,693**	**3,688**	**3,845**	**3,941**	**4,011**
CAR	16	16	19	21	21	22	19	20	19	19
Abra	7	7	7	7	7	7	7	7	7	7
Apayao	1	1	4	7	8	8	6	7	7	7
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	8	8	8	7	6	7	6	6	5	5
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	169	174	173	178	181	189	201	210	211	215
Ilocos Norte	73	73	74	77	80	83	86	91	93	93
Ilocos Sur	16	16	16	16	16	21	23	23	23	23
La Union	33	33	35	35	35	36	38	38	37	38
Pangasinan	47	52	49	49	50	50	54	58	58	61
CAGAYAN VALLEY	630	657	653	657	656	621	588	613	593	609
Batanes	..	..	2	2	2	1	1	1	1	1
Cagayan	337	355	350	362	360	330	307	310	294	302
Isabela	210	210	210	204	204	195	191	193	190	197
Nueva Vizcaya	72	82	80	77	78	83	78	96	98	99
Quirino	11	10	11	12	12	12	12	12	11	10
CENTRAL LUZON	743	719	729	749	764	803	820	839	916	956
Aurora	48	49	49	47	48	46	50	50	56	55
Bataan	9	9	9	9	10	10	10	10	12	12
Bulacan	95	99	98	98	100	138	160	166	166	166
Nueva Ecija	367	365	365	366	364	358	342	358	373	378
Pampanga	82	73	76	78	79	79	78	78	78	78
Tarlac	90	70	72	90	100	110	117	114	168	205
Zambales	52	54	60	61	63	62	63	63	64	62
CALABARZON	159	169	172	171	169	181	175	193	196	194
Batangas	31	31	32	34	33	33	33	33	34	34
Cavite	43	43	48	49	49	48	42	42	42	42
Laguna	30	40	37	36	30	42	43	64	67	67
Quezon	45	45	45	42	47	48	47	45	43	41
Rizal	10	10	10	10	10	10	11	10	10	10
MIMAROPA	99	104	109	110	118	119	127	154	157	161
Marinduque	12	12	12	12	14	15	13	13	13	13
Occidental Mindoro	18	18	20	21	23	26	29	32	33	31
Oriental Mindoro	11	11	11	12	15	11	17	39	39	44
Palawan	41	45	47	47	47	48	49	50	52	53
Romblon	18	18	19	19	19	20	20	21	21	21
BICOL REGION	176	172	176	176	176	177	175	175	175	168
Albay	14	14	14	16	16	16	16	16	16	16
Camarines Norte	17	15	17	17	17	17	17	17	17	15
Camarines Sur	13	13	13	13	13	13	13	13	13	14
Catanduanes	5	5	5	5	5	6	6	6	6	6
Masbate	90	90	90	90	90	90	89	89	89	89
Sorsogon	37	35	37	35	35	35	34	34	34	28
WESTERN VISAYAS	231	245	253	241	256	264	264	277	288	298
Aklan	11	11	12	12	12	12	11	13	15	16
Antique	14	15	16	16	16	16	15	15	17	18
Capiz	39	43	44	31	36	38	40	43	41	45
Guimaras	12	12	13	14	14	13	14	15	17	19
Iloilo	76	84	88	89	98	103	102	109	116	117
Negros Occidental	80	80	80	80	80	82	82	82	82	83
CENTRAL VISAYAS	290	209	208	222	240	235	233	252	252	249
Bohol	130	39	41	45	50	48	43	48	48	47
Cebu	60	64	61	66	80	83	85	89	89	87
Negros Oriental	97	102	103	108	108	102	103	113	113	113
Siquijor	3	4	3	3	2	2	2	2	2	2
EASTERN VISAYAS	154	155	157	144	142	148	149	145	143	141
Biliran	5	6	6	5	4	4	4	4	3	3
Eastern Samar	6	6	6	6	9	10	10	11	9	7
Leyte	127	126	127	113	110	112	113	109	109	109
Northern Samar	4	4	4	4	4	6	6	6	6	6
Samar (Western Samar)	3	3	3	3	3	3	3	3	3	3
Southern Leyte	9	11	12	13	13	13	13	13	13	13
ZAMBOANGA PENINSULA	139	146	152	134	126	120	121	121	123	119
Zamboanga del Norte	27	28	28	24	24	22	20	21	21	21
Zamboanga del Sur	44	46	47	47	51	49	51	52	54	53
Zamboanga Sibugay	33	39	42	27	15	15	16	15	15	16
City of Zamboanga	35	33	35	36	36	34	34	33	34	30
NORTHERN MINDANAO	308	309	324	338	341	335	334	345	359	369
Bukidnon	34	37	43	47	43	38	39	42	45	46
Camiguin	6	6	6	6	6	6	6	6	6	5
Lanao del Norte	200	193	195	198	198	195	197	199	199	200
Misamis Occidental	42	42	44	46	47	50	50	52	54	58
Misamis Oriental	26	31	36	41	47	46	42	47	56	60
DAVAO REGION	190	183	197	213	215	223	229	241	246	246
Davao del Norte	49	51	54	53	53	58	57	56	56	57
Davao del Sur	34	35	35	35	31	29	30	30	31	26
City of Davao	48	40	50	51	51	51	60	70	71	71
Davao Oriental	23	23	23	24	27	30	30	30	30	30
Davao de Oro (Compostela Valley)	36	34	35	50	53	55	52	55	58	58
Davao Occidental	..	..	..	..	..	..	..	..	..	5
SOCCSKSARGEN	108	111	112	115	119	121	121	119	114	113
North Cotabato	51	53	54	56	58	59	61	58	53	53
Sarangani	26	26	27	25	25	25	23	23	24	24
Sultan Kudarat	17	18	18	18	18	17	18	18	18	20
South Cotabato	14	14	14	16	19	19	19	20	20	17
CARAGA	139	106	115	99	102	116	113	119	126	130
Agusan del Norte	17	17	18	20	22	23	25	28	29	29
Agusan del Sur	41	37	46	49	55	66	61	62	64	65
Dinagat Islands	..	..	..	3	3	4	3	3	4	5
Surigao del Norte	23	12	10	7	4	5	5	6	6	6
Surigao del Sur	58	41	41	20	18	18	19	21	24	25
ARMM	19	22	22	20	22	20	20	21	23	23
Basilan	5	5	5	5	5	5	5	5	5	5
Lanao del Sur	4	5	5	2	2	2	2	2	2	2
Maguindanao	10	12	12	12	14	12	12	13	15	15
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	0	0	0	1	1	1	1	1	1	1

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lettuce										
PHILIPPINES	**466**	**482**	**501**	**543**	**512**	**484**	**482**	**494**	**492**	**505**
CAR	160	159	165	168	167	157	162	161	148	153
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	143	143	148	148	145	136	138	141	127	132
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	17	16	17	20	22	21	24	20	21	21
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	0	1	4	3	3	3	3	2	2
Batanes	..	..	0	0	0	0	0	0	0	0
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	0	1	3	2	2	1	1	1	1
Nueva Vizcaya	..	..	..	1	1	1	1	2	1	1
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	1	0	3	5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	0
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	3	5
Tarlac	..	..	..	..	..	..	1	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	13	13	16	20	21	26	27	31	33	33
Batangas	1	1	1	0	0	2	2	1	..	..
Cavite	11	11	13	14	14	16	15	19	22	22
Laguna	1	1	2	6	7	8	10	11	11	12
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	2	2	2	2	2	3	3
Marinduque	..	..	..	2	2	2	2	2	3	3
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	4	6	6	7	7	9	9	9	10	10
Aklan	1	1	0	0	0	0	0	0	0	0
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	0
Guimaras	..	..	..	..	0	0	0	0	0	0
Iloilo	3	5	6	7	7	9	9	9	9	10
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	96	106	111	142	114	116	105	105	108	109
Bohol	1	1	1	1	1	1	1	1	2	3
Cebu	25	29	30	30	25	32	30	30	30	30
Negros Oriental	70	76	80	111	88	83	74	74	76	76
Siquijor	0	..	0	0	0	0	0	0	0	0
EASTERN VISAYAS	4	4	4	1	1	1	2	3	2	2
Biliran	..	..	..	..	..	..	..	1	0	0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	2	2	2	1	1	1	2	2	2	2
Northern Samar	2	2	2	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	0	1
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	4	5	6	5	5	4	4	4	4	4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	0
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	4	5	6	5	5	4	4	4	4	4
NORTHERN MINDANAO	164	168	167	167	164	138	142	147	151	154
Bukidnon	162	165	163	162	158	133	137	143	146	148
Camiguin	0	1	0	0	0	0	0	0	0	0
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	0	..	..
Misamis Oriental	2	2	4	5	6	5	5	5	5	6
DAVAO REGION	4	4	4	4	4	4	8	11	11	12
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	0	0	0	0	0	0	0	0	0	0
City of Davao	4	4	4	4	4	4	8	11	11	12
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	17	18	20	21	23	23	18	18	18	17
North Cotabato	17	18	20	21	23	22	18	18	17	17
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
South Cotabato	1	0	0	0	0	0	0	0	0	0
CARAGA	0	0	0	..	0	..	0	0	0	0
Agusan del Norte	0	0	0	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	0	..	0	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	0	0	0
Surigao del Sur	..	..	..	..	..	..	..	0	0	0
ARMM	..	..	..	..	..	..	..	..	..	0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	0
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mung bean/Mongo										
PHILIPPINES	**40,080**	**45,283**	**44,351**	**43,589**	**42,978**	**41,450**	**41,349**	**41,933**	**41,581**	**41,728**
CAR	168	184	183	172	167	163	157	135	127	127
Abra	..	15	15	15	15	15	15	15	15	15
Apayao	6	7	7	7	8	8	9	7	6	8
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	76	76	76	76	72	67	59	52	48	48
Kalinga	43	43	43	44	44	45	47	34	31	28
Mountain Province	43	43	42	30	28	28	27	27	27	27
ILOCOS REGION	10,489	10,264	10,137	9,994	9,921	9,858	9,837	9,601	9,512	9,616
Ilocos Norte	5,362	5,152	5,038	4,895	4,810	4,740	4,702	4,671	4,622	4,597
Ilocos Sur	704	704	704	703	704	706	707	705	707	707
La Union	206	205	207	211	219	224	218	219	219	227
Pangasinan	4,218	4,203	4,188	4,185	4,188	4,188	4,210	4,006	3,965	4,086
CAGAYAN VALLEY	9,687	15,580	14,643	14,032	13,591	13,667	13,997	13,853	13,678	13,852
Batanes	..	..	4	5	4	2	2	2	2	2
Cagayan	1,130	1,191	1,164	1,173	1,194	1,093	1,162	1,190	1,162	1,202
Isabela	8,529	14,362	13,451	12,835	12,304	12,431	12,652	12,472	12,326	12,460
Nueva Vizcaya	..	1	2	2	75	123	160	171	172	170
Quirino	28	26	22	18	14	18	21	18	17	19
CENTRAL LUZON	3,057	3,364	3,723	4,224	4,414	4,594	4,614	5,812	5,859	5,747
Aurora	..	..	..	..	..	..	..	1	2	2
Bataan	20	20	20	20	21	21	20	20	20	20
Bulacan	16	21	20	22	23	51	71	36	36	36
Nueva Ecija	140	140	138	137	137	135	135	134	135	138
Pampanga	113	44	50	51	45	45	45	45	40	40
Tarlac	2,685	3,050	3,400	3,898	4,087	4,237	4,237	5,463	5,514	5,395
Zambales	83	89	95	96	101	105	106	113	112	117
CALABARZON	182	176	160	143	138	138	141	138	128	124
Batangas	30	25	13	1	2	3	3	4	3	..
Cavite	9	9	10	11	11	10	9	10	11	9
Laguna	..	0	0	0	0	0	5	0	..	..
Quezon	135	135	130	124	118	118	117	117	115	115
Rizal	8	7	7	7	7	7	7	7	..	..
MIMAROPA	836	865	912	971	966	984	1,148	1,061	1,063	1,035
Marinduque	73	71	71	71	70	71	73	66	67	69
Occidental Mindoro	633	661	707	762	748	752	806	808	810	815
Oriental Mindoro	12	13	16	18	36	46	155	77	74	44
Palawan	35	37	38	38	39	40	40	40	40	40
Romblon	84	83	80	82	74	75	74	72	72	68
BICOL REGION	254	242	255	244	232	233	224	220	218	213
Albay	78	75	65	55	43	36	31	28	27	27
Camarines Norte	1	1	1	1	1	1	1	1	1	1
Camarines Sur	93	90	90	90	89	82	81	81	81	80
Catanduanes	18	18	18	18	18	34	34	33	33	33
Masbate	23	23	46	46	46	46	46	46	46	46
Sorsogon	41	35	35	34	35	34	31	31	30	27
WESTERN VISAYAS	5,345	5,153	5,148	5,210	5,242	5,774	5,258	5,098	5,056	5,047
Aklan	136	134	126	130	115	118	119	120	122	119
Antique	2,763	2,481	2,353	2,403	2,341	2,345	2,368	2,130	1,973	2,069
Capiz	62	68	64	66	59	62	63	61	56	53
Guimaras	38	38	39	35	39	41	32	35	39	43
Iloilo	1,835	1,926	2,060	2,070	2,183	2,700	2,170	2,250	2,360	2,260
Negros Occidental	512	506	506	506	505	508	506	502	506	504
CENTRAL VISAYAS	1,853	1,639	1,460	1,395	1,148	1,060	1,018	1,054	1,001	1,009
Bohol	66	54	57	56	54	53	20	46	54	59
Cebu	1,135	880	705	652	440	392	372	375	370	370
Negros Oriental	576	631	631	622	592	555	576	584	531	537
Siquijor	76	75	67	65	62	60	50	49	46	43
EASTERN VISAYAS	436	435	436	305	255	257	255	246	244	244
Biliran	7	8	7	7	7	7	7	5	4	4
Eastern Samar	11	11	12	12	11	10	9	1	..	..
Leyte	369	370	372	248	202	207	207	207	207	207
Northern Samar	5	5	5	5	5	4	4	4	4	4
Samar (Western Samar)	22	22	22	20	19	19	19	21	21	22
Southern Leyte	22	19	17	13	11	10	9	9	8	8
ZAMBOANGA PENINSULA	331	298	296	260	246	217	211	207	211	204
Zamboanga del Norte	110	110	116	96	98	73	64	64	68	65
Zamboanga del Sur	101	76	70	70	72	66	68	65	66	69
Zamboanga Sibugay	70	61	56	41	24	31	31	31	30	30
City of Zamboanga	50	51	54	53	52	47	48	47	48	40
NORTHERN MINDANAO	511	507	501	498	489	501	488	501	497	499
Bukidnon	36	36	34	37	40	40	42	47	50	52
Camiguin	3	3	2	2	1	1	1	1	1	1
Lanao del Norte	358	350	354	342	333	338	331	317	306	299
Misamis Occidental	57	59	59	62	67	73	71	69	60	56
Misamis Oriental	57	59	52	55	48	49	43	67	80	92
DAVAO REGION	1,507	1,349	1,352	1,355	1,354	1,338	1,350	1,369	1,366	1,366
Davao del Norte	515	527	523	524	526	520	527	535	526	525
Davao del Sur	678	662	676	694	697	681	683	693	694	649
City of Davao	209	76	74	72	69	71	74	74	78	80
Davao Oriental	63	63	62	58	56	56	56	56	56	55
Davao de Oro (Compostela Valley)	42	21	17	7	6	10	10	12	12	12
Davao Occidental	..	..	..	..	..	..	..	..	..	44
SOCCSKSARGEN	638	587	602	602	595	574	554	533	496	517
North Cotabato	408	407	408	404	397	375	375	358	329	330
Sarangani	45	44	46	46	45	49	37	38	39	38
Sultan Kudarat	152	101	102	85	80	81	83	69	64	79
South Cotabato	34	35	47	67	73	69	59	68	65	70
CARAGA	185	146	203	182	207	219	235	241	260	263
Agusan del Norte	29	18	24	16	17	15	14	12	12	12
Agusan del Sur	100	78	133	120	146	163	171	178	198	200
Dinagat Islands	..	..	..	1	1	1	1	1	5	4
Surigao del Norte	22	17	13	10	6	4	5	5	5	5
Surigao del Sur	34	33	33	35	36	36	44	46	41	42
ARMM	4,602	4,495	4,341	4,003	4,014	1,875	1,862	1,863	1,865	1,865
Basilan	9	9	9	9	12	12	6	6	4	4
Lanao del Sur	31	31	24	24	22	22	22	23	22	22
Maguindanao	4,455	4,355	4,210	3,874	3,885	1,748	1,748	1,749	1,754	1,754
Sulu	103	96	94	92	91	89	82	82	82	82
Tawi-tawi	4	4	4	4	4	4	4	4	4	3

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Onion										
PHILIPPINES	**15,169**	**14,641**	**15,012**	**15,437**	**15,844**	**14,861**	**12,988**	**18,259**	**17,905**	**19,948**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	4,689	4,753	4,725	4,622	4,588	4,601	4,401	4,479	4,295	4,296
Ilocos Norte	2,174	2,254	2,262	2,214	2,164	2,145	2,132	2,137	2,137	2,139
Ilocos Sur	1,706	1,703	1,673	1,624	1,639	1,662	1,520	1,573	1,577	1,568
La Union	5	4	4	3	3	11	17	18	21	30
Pangasinan	805	793	787	782	782	783	732	752	560	560
CAGAYAN VALLEY	383	477	599	648	660	609	669	711	713	719
Batanes	..	..	21	21	22	22	19	22	20	21
Cagayan	11	11	11	11	10	9	8	6	5	6
Isabela	12	6	5	4	4	6	4	3	3	4
Nueva Vizcaya	360	460	562	612	623	572	637	680	685	688
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	8,195	8,178	8,126	8,171	8,522	7,407	6,105	10,706	10,523	11,378
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	1
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	8,170	8,170	8,120	8,161	8,511	7,396	6,094	10,695	10,442	11,168
Pampanga	1	1	1	1	1	1	1	1	1	..
Tarlac	19	2	..	4	5	5	5	5	75	205
Zambales	5	5	5	5	5	5	5	5	5	5
CALABARZON	38	78	73	92	89	45	36	30	29	12
Batangas	8	50	46	64	61	23	21	15	17	4
Cavite	30	28	27	28	28	22	15	15	13	8
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	1,806	1,106	1,406	1,832	1,920	2,117	1,696	2,246	2,262	3,457
Marinduque	1	1	1	1	1	1	1	1	1	1
Occidental Mindoro	1,800	1,100	1,400	1,825	1,913	1,950	1,502	1,920	1,945	3,100
Oriental Mindoro	5	5	5	6	7	166	194	325	316	356
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	42	39	70	58	51	67	65	70	74	77
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	42	39	70	58	51	67	65	70	74	77
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	0	0	1	1	3	3	5	9	7	7
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	2	3	5	9	7	7
Siquijor	0	0	1	1	2	0	0	0	0	0
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	13	5	3	3	3	3	3	2	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	3	3	3	3	3	3	3	2	..	..
Zamboanga Sibugay	10	2	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	0	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	0	..	..	..	..	..	..	..	..
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	4	4	9	9	9	8	8	5	3	2
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	0	0	0	0	0	0	..	..	..	..
South Cotabato	4	4	9	9	9	8	8	5	3	2
CARAGA	..	..	..	..	..	1	..	0	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	1	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	0	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Peanut										
PHILIPPINES	**27,123**	**26,902**	**26,110**	**25,602**	**25,048**	**24,580**	**23,522**	**23,774**	**23,898**	**23,915**
CAR	254	252	249	250	239	229	224	212	210	194
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	5	5	5	5	5	5	5	4	4	4
Benguet	26	26	24	24	23	23	23	23	21	13
Ifugao	92	92	92	92	92	92	92	92	92	86
Kalinga	25	25	17	18	15	14	11	10	9	8
Mountain Province	106	104	111	111	104	95	94	83	83	83
ILOCOS REGION	7,808	7,593	7,515	7,421	7,439	7,508	7,356	7,361	7,483	7,439
Ilocos Norte	1,093	1,093	1,104	1,114	1,118	1,129	1,130	1,140	1,135	1,135
Ilocos Sur	1,135	1,135	1,135	1,170	1,191	1,209	1,210	1,215	1,210	1,216
La Union	2,079	2,099	2,008	2,005	1,997	2,040	1,982	1,976	2,157	2,134
Pangasinan	3,501	3,265	3,268	3,131	3,133	3,130	3,034	3,030	2,981	2,954
CAGAYAN VALLEY	3,159	3,780	3,516	3,508	3,439	3,171	2,613	2,548	2,549	2,488
Batanes	..	..	2	2	2	1	1	0	0	0
Cagayan	1,551	1,605	1,607	1,593	1,571	1,570	1,021	1,025	1,055	1,018
Isabela	1,071	1,647	1,412	1,426	1,402	1,142	1,109	1,126	1,108	1,080
Nueva Vizcaya	492	480	451	446	424	421	440	356	351	352
Quirino	45	48	44	41	40	37	42	40	34	38
CENTRAL LUZON	1,403	1,285	1,267	1,283	1,275	1,202	1,204	1,211	1,209	1,370
Aurora	603	605	581	597	604	558	561	572	572	737
Bataan	61	61	58	54	42	41	40	40	40	40
Bulacan	32	34	35	36	36	37	34	35	35	30
Nueva Ecija	62	61	60	58	56	54	55	55	53	53
Pampanga	256	134	141	145	139	139	139	139	139	139
Tarlac	376	376	376	376	381	356	356	351	351	351
Zambales	13	14	16	17	17	17	20	20	20	20
CALABARZON	849	804	584	543	497	487	488	482	450	460
Batangas	337	287	94	55	30	27	26	26	26	26
Cavite	164	169	143	144	131	131	123	120	91	103
Laguna	4	6	7	10	9	5	6	7	2	3
Quezon	278	286	284	278	271	268	269	264	266	263
Rizal	66	56	56	56	56	56	64	65	65	65
MIMAROPA	1,173	1,182	1,177	1,155	1,156	1,165	1,255	1,248	1,217	1,195
Marinduque	131	129	129	129	122	122	129	135	135	137
Occidental Mindoro	435	442	448	424	430	433	442	452	450	441
Oriental Mindoro	9	10	11	12	14	15	89	63	33	20
Palawan	550	552	540	540	540	543	543	545	546	547
Romblon	48	49	49	50	51	52	52	53	54	52
BICOL REGION	1,367	1,338	1,332	1,276	1,214	1,214	1,203	1,182	1,189	1,175
Albay	833	820	815	760	700	640	640	640	640	640
Camarines Norte	22	21	22	22	22	22	22	22	29	29
Camarines Sur	308	297	295	295	293	293	294	279	279	272
Catanduanes	84	84	84	84	84	144	138	132	132	129
Masbate	59	59	59	59	59	59	59	59	59	59
Sorsogon	61	57	57	56	56	56	50	50	50	46
WESTERN VISAYAS	3,314	3,337	3,349	3,377	3,387	3,409	3,157	3,227	3,325	3,285
Aklan	67	69	75	75	69	65	60	61	53	59
Antique	671	623	590	596	585	585	580	582	635	607
Capiz	87	86	89	93	91	90	89	92	94	95
Guimaras	13	15	17	17	17	17	14	15	16	15
Iloilo	1,840	1,905	1,939	1,958	1,986	2,000	1,760	1,823	1,874	1,859
Negros Occidental	636	639	639	639	639	652	654	654	653	650
CENTRAL VISAYAS	1,553	1,477	1,419	1,349	1,221	1,183	1,047	1,291	1,187	1,208
Bohol	395	393	363	360	360	355	204	352	353	357
Cebu	501	476	475	467	345	333	330	321	319	319
Negros Oriental	434	396	386	341	339	317	359	459	358	380
Siquijor	223	212	195	182	177	178	154	159	158	152
EASTERN VISAYAS	869	869	849	807	690	688	683	648	647	643
Biliran	16	20	20	19	18	18	18	13	9	8
Eastern Samar	49	49	49	44	33	30	32	1	..	-
Leyte	496	499	479	458	356	361	360	360	360	361
Northern Samar	37	36	36	36	37	36	34	34	34	34
Samar (Western Samar)	217	215	216	211	211	212	212	214	218	215
Southern Leyte	54	50	49	39	35	31	27	26	25	25
ZAMBOANGA PENINSULA	940	899	843	718	692	618	618	611	615	609
Zamboanga del Norte	152	149	157	139	141	85	83	81	85	83
Zamboanga del Sur	502	490	469	471	472	473	475	473	472	470
Zamboanga Sibugay	219	193	150	48	23	20	20	20	21	22
City of Zamboanga	67	67	67	60	56	40	40	37	37	34
NORTHERN MINDANAO	2,047	1,967	1,924	1,843	1,787	1,717	1,736	1,770	1,798	1,821
Bukidnon	415	425	425	426	430	392	406	430	447	463
Camiguin	9	9	8	8	7	7	7	7	7	6
Lanao del Norte	1,571	1,480	1,440	1,360	1,305	1,275	1,278	1,279	1,280	1,283
Misamis Occidental	33	36	37	32	31	30	29	30	27	27
Misamis Oriental	19	17	14	17	14	13	16	24	37	42
DAVAO REGION	733	522	501	515	517	529	513	522	532	523
Davao del Norte	91	95	99	100	103	106	106	105	104	100
Davao del Sur	148	142	135	138	140	146	148	153	156	140
City of Davao	318	120	117	118	118	118	106	110	115	113
Davao Oriental	49	49	45	43	43	43	41	41	41	40
Davao de Oro (Compostela Valley)	127	116	105	116	113	116	112	114	116	114
Davao Occidental	..	..	..	..	..	..	..	..	..	16
SOCCSKSARGEN	525	532	544	536	539	511	479	505	512	526
North Cotabato	251	247	247	250	251	244	243	220	212	212
Sarangani	29	29	30	31	30	22	17	18	18	17
Sultan Kudarat	215	228	237	222	221	210	174	219	236	248
South Cotabato	30	28	30	34	37	36	45	48	46	49
CARAGA	138	105	113	119	137	148	148	158	174	176
Agusan del Norte	25	18	19	15	17	15	15	13	14	15
Agusan del Sur	60	41	51	61	77	90	87	99	105	105
Dinagat Islands	..	..	..	1	0	0	0	0	4	3
Surigao del Norte	16	10	7	4	4	3	3	3	3	3
Surigao del Sur	37	36	36	38	39	39	43	43	48	51
ARMM	991	961	928	903	821	801	798	798	804	804
Basilan	37	37	37	37	34	34	34	34	36	36
Lanao del Sur	452	452	440	430	430	430	430	431	432	432
Maguindanao	176	146	130	120	127	110	110	110	113	113
Sulu	238	239	236	233	170	168	166	166	166	167
Tawi-tawi	88	87	85	83	60	59	58	58	57	56

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pechay, Chinese										
PHILIPPINES	**3,735**	**3,742**	**3,759**	**3,775**	**3,697**	**3,625**	**3,601**	**3,554**	**3,521**	**3,552**
CAR	2,819	2,791	2,791	2,786	2,787	2,770	2,749	2,685	2,647	2,667
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	0	0	0
Benguet	2,584	2,584	2,584	2,579	2,580	2,572	2,561	2,500	2,460	2,480
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	2	2	2	1	..	..	..	..	..	..
Mountain Province	233	205	205	206	207	198	188	185	187	187
ILOCOS REGION	0	0	0	0	0	0	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	0	0	0	0	0	0	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	23	26	31	27	27	21	27	32	34	36
Batanes	..	..	..	..	..	0	0	0	0	0
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	23	26	31	27	27	21	27	32	33	36
Quirino	..	..	..	..	..	..	..	0	0	0
CENTRAL LUZON	..	..	..	..	..	..	0	0	5	5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	0
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	5	5
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	36	34	35	35	31	31	30	28	28	28
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	17	16	17	17	13	13	12	12	12	12
Quezon	19	18	18	18	18	18	18	16	16	16
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	479	496	487	474	380	348	348	351	351	355
Bohol	5	4	3	2	1	0	1	1	1	1
Cebu	454	474	463	456	365	335	331	333	333	334
Negros Oriental	20	18	21	16	15	12	16	17	17	20
Siquijor	..	..	..	..	0	0	..	..	..	..
EASTERN VISAYAS	2	2	2	2	2	2	2	1	0	1
Biliran	2	2	2	2	2	2	2	1	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	0	1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	9	10	11	12	12	12	11	11	11	11
Zamboanga del Norte	5	6	7	7	7	6	6	6	6	6
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	4	4	5	5	5	6	5	5	5	5
NORTHERN MINDANAO	208	228	240	274	294	279	279	287	284	288
Bukidnon	169	185	193	232	236	223	231	240	252	257
Camiguin	0	..	0	0	0	0	0	0	0	0
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	7	8	9	9	9	10	9	8	7	6
Misamis Oriental	32	35	38	33	49	46	39	39	25	25
DAVAO REGION	99	97	99	99	95	100	98	100	102	102
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	85	85	87	87	84	88	85	87	87	87
City of Davao	6	6	8	8	8	8	9	10	11	11
Davao Oriental	2	2	1	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	6	4	3	4	3	4	4	3	3	4
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	60	59	64	67	69	62	58	61	60	60
North Cotabato	50	50	52	53	55	49	46	47	46	45
Sarangani	5	4	3	3	3	2	2	1	1	1
Sultan Kudarat	..	..	1	1	1	1	1	1	12	1
South Cotabato	5	5	8	11	11	11	10	12	1	13
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pechay, Native										
PHILIPPINES	**7,097**	**7,079**	**7,122**	**7,108**	**7,103**	**7,132**	**7,156**	**7,215**	**7,231**	**7,229**
CAR	536	529	530	526	523	507	501	468	437	427
Abra	11	11	11	11	11	11	11	11	11	11
Apayao	2	2	2	3	3	3	2	2	2	2
Benguet	447	440	442	437	435	422	419	386	355	350
Ifugao	22	23	24	24	24	24	25	24	24	24
Kalinga	21	21	20	21	22	22	22	21	20	16
Mountain Province	32	32	31	30	28	25	23	24	25	24
ILOCOS REGION	452	452	456	451	456	462	466	482	485	487
Ilocos Norte	91	91	93	95	100	104	106	110	112	112
Ilocos Sur	21	21	21	21	21	22	23	23	23	22
La Union	20	21	22	22	23	22	23	24	24	23
Pangasinan	320	319	321	312	313	314	314	325	327	329
CAGAYAN VALLEY	858	857	863	867	883	878	881	905	892	901
Batanes	..	..	6	5	6	4	5	5	5	5
Cagayan	418	419	412	418	430	430	439	449	435	436
Isabela	281	296	302	308	305	308	308	305	301	304
Nueva Vizcaya	147	130	133	127	128	121	115	131	133	135
Quirino	12	12	10	10	14	15	15	15	18	21
CENTRAL LUZON	310	348	355	362	352	392	387	392	391	393
Aurora	30	31	33	32	32	28	25	25	26	29
Bataan	7	7	7	7	7	7	7	7	7	7
Bulacan	62	62	64	69	75	120	115	117	117	117
Nueva Ecija	56	91	91	91	88	88	87	90	93	90
Pampanga	47	45	46	48	45	45	45	45	40	40
Tarlac	65	65	65	65	55	55	58	58	58	58
Zambales	43	47	49	50	50	50	50	50	50	51
CALABARZON	766	780	791	791	791	801	811	810	814	812
Batangas	48	49	46	41	43	44	42	42	42	38
Cavite	44	44	59	58	60	60	60	59	63	64
Laguna	88	91	90	85	79	86	97	102	99	100
Quezon	518	525	525	536	538	540	542	536	539	539
Rizal	68	71	71	71	71	71	70	72	72	72
MIMAROPA	190	192	197	203	207	211	227	277	271	269
Marinduque	22	22	22	22	22	22	23	24	25	26
Occidental Mindoro	26	30	32	37	39	41	40	44	45	42
Oriental Mindoro	25	26	26	30	33	34	49	90	80	80
Palawan	103	100	102	98	98	99	101	102	103	103
Romblon	14	15	15	15	15	16	16	18	19	19
BICOL REGION	2,258	2,248	2,239	2,240	2,238	2,246	2,251	2,207	2,216	2,212
Albay	567	562	549	549	549	549	555	555	555	555
Camarines Norte	46	46	48	49	49	48	48	49	56	59
Camarines Sur	1,521	1,516	1,517	1,517	1,515	1,518	1,519	1,504	1,505	1,501
Catanduanes	22	22	22	22	22	28	27	27	27	27
Masbate	93	93	93	93	93	93	93	63	63	63
Sorsogon	9	9	10	10	10	10	9	10	10	8
WESTERN VISAYAS	256	264	264	249	260	262	266	272	282	286
Aklan	44	44	42	34	38	34	29	29	28	28
Antique	23	23	25	25	26	27	28	28	29	27
Capiz	33	37	34	28	30	33	33	37	41	45
Guimaras	7	6	7	8	8	9	9	11	11	11
Iloilo	58	62	62	61	65	66	74	74	80	81
Negros Occidental	92	92	94	92	93	93	93	93	94	94
CENTRAL VISAYAS	296	220	229	214	196	173	167	177	182	172
Bohol	194	134	136	142	119	105	97	105	107	103
Cebu	15	16	18	20	22	23	22	23	23	23
Negros Oriental	84	67	72	50	53	43	46	48	51	44
Siquijor	3	3	3	2	2	2	2	2	2	2
EASTERN VISAYAS	167	166	170	158	148	153	153	147	143	142
Biliran	23	21	21	20	18	18	18	14	11	9
Eastern Samar	13	13	14	14	15	16	15	14	13	14
Leyte	86	87	90	79	70	73	73	72	72	72
Northern Samar	3	3	3	3	3	4	5	5	5	5
Samar (Western Samar)	22	23	22	22	22	23	23	24	24	24
Southern Leyte	20	19	20	21	21	20	20	19	19	18
ZAMBOANGA PENINSULA	254	262	253	247	238	241	239	239	239	238
Zamboanga del Norte	42	46	46	41	41	39	31	33	32	32
Zamboanga del Sur	32	33	33	33	34	37	41	40	40	40
Zamboanga Sibugay	17	20	23	20	18	20	19	19	19	18
City of Zamboanga	163	163	152	153	145	146	148	147	148	148
NORTHERN MINDANAO	195	200	207	212	212	212	214	214	230	240
Bukidnon	34	35	36	36	33	33	34	36	38	39
Camiguin	8	9	9	9	9	10	9	10	10	10
Lanao del Norte	84	85	86	89	91	90	94	93	92	93
Misamis Occidental	32	33	35	37	38	40	42	44	46	49
Misamis Oriental	37	38	41	42	41	39	35	32	45	50
DAVAO REGION	206	209	216	231	245	256	250	255	266	265
Davao del Norte	51	53	51	50	54	64	61	61	62	61
Davao del Sur	61	61	64	64	68	69	70	68	68	27
City of Davao	21	23	25	27	28	28	29	35	36	37
Davao Oriental	43	44	46	46	49	49	45	45	45	45
Davao de Oro (Compostela Valley)	30	28	30	44	46	46	45	46	55	54
Davao Occidental	..	..	..	..	..	..	..	..	..	41
SOCCSKSARGEN	131	128	126	128	131	119	108	109	111	111
North Cotabato	82	82	85	85	89	81	72	72	72	71
Sarangani	24	20	18	15	14	11	8	9	9	9
Sultan Kudarat	9	9	9	9	9	9	8	8	9	9
South Cotabato	17	17	14	18	19	18	19	20	21	22
CARAGA	128	125	128	131	127	129	143	168	176	179
Agusan del Norte	28	34	33	22	22	19	20	21	20	19
Agusan del Sur	53	50	54	58	62	63	76	95	99	100
Dinagat Islands	..	..	..	1	1	1	1	1	3	3
Surigao del Norte	15	11	10	17	10	14	13	13	13	13
Surigao del Sur	32	30	31	33	32	32	33	38	42	44
ARMM	95	99	98	98	98	91	92	93	96	96
Basilan	9	9	9	9	9	9	9	9	9	9
Lanao del Sur	26	26	24	24	23	23	23	23	23	23
Maguindanao	15	14	12	12	13	8	8	8	9	9
Sulu	37	42	44	44	44	43	43	44	46	46
Tawi-tawi	8	8	9	9	9	9	9	9	9	9

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Radish										
PHILIPPINES	**1,375**	**1,352**	**1,350**	**1,357**	**1,349**	**1,355**	**1,330**	**1,311**	**1,305**	**1,281**
CAR	135	133	130	128	132	128	125	130	118	115
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	125	123	120	118	123	120	118	123	110	107
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	10	10	10	10	9	8	7	7	8	8
ILOCOS REGION	15	13	12	10	10	10	9	9	8	8
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	3	2	2	3	3	3	3	3	3	2
La Union	1	1	1	1	1	1	1	1	0	0
Pangasinan	12	9	8	7	7	6	6	5	5	5
CAGAYAN VALLEY	35	25	22	23	22	21	22	21	22	22
Batanes	..	..	0	0	0	0	0	0	0	0
Cagayan	6	7	7	7	7	7	8	8	8	8
Isabela	11	5	4	4	3	3	3	3	2	2
Nueva Vizcaya	18	14	11	12	12	11	11	10	10	10
Quirino	..	..	..	..	..	..	..	1	1	1
CENTRAL LUZON	85	86	88	90	83	81	78	78	80	78
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	2	1	1	1	1	1	1	1	1	1
Bulacan	14	15	15	16	16	17	17	17	17	17
Nueva Ecija	33	32	31	31	31	29	23	23	24	22
Pampanga	15	16	20	20	17	17	17	17	17	17
Tarlac	8	8	8	8	4	3	6	6	7	7
Zambales	13	14	14	14	14	14	14	14	14	14
CALABARZON	308	292	283	271	257	257	265	238	243	240
Batangas	27	24	21	11	7	7	7	7	7	7
Cavite	46	43	34	35	34	33	34	33	31	31
Laguna	142	133	134	129	120	119	125	103	107	107
Quezon	73	72	74	76	76	78	78	76	79	77
Rizal	20	20	20	20	20	20	21	19	19	19
MIMAROPA	44	50	51	52	56	57	59	64	66	63
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	10	12	13	14	15	18	19	18	19	15
Oriental Mindoro	1	1	1	1	1	2	2	7	6	7
Palawan	22	26	26	26	28	26	27	28	29	29
Romblon	10	11	11	11	11	11	12	12	12	12
BICOL REGION	59	59	59	61	61	60	61	62	61	58
Albay	20	20	19	21	21	20	22	22	22	22
Camarines Norte	2	2	2	2	2	2	2	2	2	1
Camarines Sur	24	24	24	24	24	23	23	24	23	22
Catanduanes	3	3	3	3	3	4	4	4	4	4
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	10	10	11	11	11	11	10	10	10	9
WESTERN VISAYAS	136	140	138	132	140	139	137	141	146	147
Aklan	10	10	10	10	11	11	11	10	10	9
Antique	8	9	10	10	12	12	13	15	16	15
Capiz	9	11	11	12	15	15	14	14	16	19
Guimaras	5	4	4	4	4	2	2	2	2	2
Iloilo	53	54	51	45	46	47	45	48	52	52
Negros Occidental	52	52	52	52	52	52	52	52	51	51
CENTRAL VISAYAS	61	52	57	72	84	96	94	92	93	95
Bohol	..	..	..	..	..	..	..	..	..	1
Cebu	40	31	34	33	34	34	31	29	30	30
Negros Oriental	21	21	23	39	50	62	63	63	63	65
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	5	5	5	7	7	7	7	6	5	5
Biliran	1	1	1	2	2	2	2	1	0	0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	3	4	4	5	5	5	5	5	5	5
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	85	92	100	94	72	69	67	63	60	59
Zamboanga del Norte	5	6	6	7	7	7	6	6	6	6
Zamboanga del Sur	14	14	16	16	17	17	18	17	15	15
Zamboanga Sibugay	11	10	10	7	6	6	6	6	6	6
City of Zamboanga	55	62	68	64	42	40	37	34	33	33
NORTHERN MINDANAO	27	29	30	34	37	31	26	23	21	18
Bukidnon	7	7	5	4	5	4	4	5	5	5
Camiguin	..	..	..	..	-	..	0	0	0	0
Lanao del Norte	15	14	16	18	18	14	10	9	6	3
Misamis Occidental	4	4	7	8	8	8	7	5	5	4
Misamis Oriental	1	4	2	4	6	5	5	5	6	6
DAVAO REGION	225	231	226	236	242	246	240	238	240	233
Davao del Norte	17	16	14	13	15	14	13	14	14	13
Davao del Sur	23	23	24	21	21	22	22	22	22	22
City of Davao	27	39	42	44	44	45	42	44	44	45
Davao Oriental	8	8	8	8	10	10	11	11	11	11
Davao de Oro (Compostela Valley)	150	145	138	150	152	155	152	147	149	143
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	109	110	112	109	111	110	99	105	101	101
North Cotabato	50	51	54	54	56	55	47	46	41	41
Sarangani	22	21	22	18	17	17	15	16	16	15
Sultan Kudarat	25	26	26	27	27	27	26	32	33	11
South Cotabato	13	13	11	11	12	11	11	11	11	33
CARAGA	12	7	7	5	5	6	3	2	3	1
Agusan del Norte	5	3	3	2	1	2	2	1	1	1
Agusan del Sur	3	3	3	3	2	2	0	0	2	..
Dinagat Islands	..	..	..	..	..	..	..	0	0	..
Surigao del Norte	2	0	..	..	..	..	..	..	..	..
Surigao del Sur	2	1	1	1	2	2	1	0	0	0
ARMM	35	30	32	34	31	39	39	39	39	39
Basilan	4	4	4	4	4	4	4	4	4	4
Lanao del Sur	5	5	6	8	4	8	8	8	8	8
Maguindanao	17	12	13	13	14	18	18	18	18	18
Sulu	9	9	9	9	9	9	9	9	9	9
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Snap beans/Habitchuelas										
PHILIPPINES	**3,770**	**3,632**	**3,567**	**3,504**	**3,397**	**3,241**	**3,131**	**3,150**	**3,103**	**3,093**
CAR	1,289	1,292	1,286	1,283	1,283	1,235	1,172	1,160	1,105	1,080
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	4	4	4	5	6	6	5	6	6	7
Benguet	694	695	694	690	691	685	671	663	645	654
Ifugao	392	392	392	392	393	378	364	362	347	314
Kalinga	26	26	26	26	27	29	25	19	17	15
Mountain Province	173	175	170	170	167	137	107	110	90	90
ILOCOS REGION	180	173	177	180	181	178	147	152	152	148
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	2	2	3	3	3	3	3	3	3	3
La Union	108	104	108	110	112	112	98	107	107	107
Pangasinan	70	67	66	67	66	63	46	42	42	39
CAGAYAN VALLEY	840	697	657	642	632	555	548	546	545	543
Batanes	..	..	2	1	1	1	1	1	1	1
Cagayan	44	44	44	47	45	46	43	38	42	38
Isabela	156	63	31	20	6	5	5	4	4	4
Nueva Vizcaya	619	569	560	554	560	483	479	483	482	485
Quirino	21	21	20	20	20	20	20	20	17	16
CENTRAL LUZON	30	29	28	26	21	17	15	15	15	14
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0	0	0	..
Nueva Ecija	30	29	28	26	21	17	15	15	15	14
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	67	69	77	79	82	83	80	85	91	110
Batangas	..	..	..	..	..	..	..	2	0	0
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	35	35	42	42	43	44	45	48	50	67
Quezon	32	34	35	37	39	39	35	35	41	43
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	1	0	1	1	1
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	1	0	1	1	1
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	222	221	227	227	222	223	224	224	222	238
Albay	80	83	88	88	85	85	85	85	85	100
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	142	138	139	139	137	137	138	138	136	138
Catanduanes	0	0	0	0	0	1	1	1	1	1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	31	32	33	34	38	38	36	37	38	39
Aklan	2	2	2	2	2	2	2	2	2	2
Antique	2	3	4	4	4	4	4	4	4	4
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	0
Iloilo	15	15	16	17	20	20	19	19	21	21
Negros Occidental	12	12	12	12	12	12	12	12	12	12
CENTRAL VISAYAS	568	575	543	534	464	452	449	454	451	447
Bohol	18	14	11	9	5	4	2	4	4	6
Cebu	450	460	460	417	350	340	332	332	330	327
Negros Oriental	100	101	72	108	109	108	115	118	117	115
Siquijor	0	0	0	0	0	0	0	0	0	0
EASTERN VISAYAS	160	160	149	103	78	77	77	75	75	75
Biliran	3	1	2	2	2	2	2	2	1	1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	108	107	106	73	60	62	62	61	61	61
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	49	52	41	28	17	14	13	13	13	12
ZAMBOANGA PENINSULA	76	74	83	63	50	45	40	41	40	38
Zamboanga del Norte	18	19	20	14	14	9	8	8	8	8
Zamboanga del Sur	18	19	19	20	20	20	20	20	19	18
Zamboanga Sibugay	8	..	6	3	1	1	2	2	2	2
City of Zamboanga	32	36	38	26	15	15	10	11	11	10
NORTHERN MINDANAO	92	94	99	100	108	93	97	100	108	110
Bukidnon	45	46	51	54	56	44	46	50	52	53
Camiguin	1	1	1	0	0	0	0	0	0	0
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	12	14	16	18	20	20	20	19	19	18
Misamis Oriental	34	33	31	28	32	29	31	31	37	39
DAVAO REGION	131	131	123	144	143	150	151	155	157	154
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	9	9	9	9	9	9	10	10	10	11
City of Davao	61	61	63	65	63	63	63	66	66	65
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	61	61	51	70	71	78	78	79	81	78
Davao Occidental	..	..	..	..	..	..	..	..	..	0
SOCCSKSARGEN	58	60	61	63	66	63	68	73	73	73
North Cotabato	22	23	23	23	25	21	25	25	23	22
Sarangani	5	4	4	3	3	3	2	2	2	2
Sultan Kudarat	6	6	5	5	5	5	4	4	5	5
South Cotabato	26	28	29	31	34	34	37	42	43	45
CARAGA	22	21	22	24	25	30	26	29	30	21
Agusan del Norte	1	1	2	1	1	1	1	0	0	0
Agusan del Sur	21	20	20	23	24	29	25	29	30	21
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	0	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	0	..	..
ARMM	4	4	3	3	3	2	2	2	2	2
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	4	4	3	3	3	2	2	2	2	2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Stringbeans										
PHILIPPINES	**14,681**	**14,298**	**14,205**	**13,770**	**13,786**	**13,808**	**13,754**	**13,939**	**13,907**	**13,915**
CAR	174	172	181	187	191	185	174	168	156	150
Abra	25	25	25	25	25	25	25	25	25	25
Apayao	7	6	11	15	20	21	13	13	13	14
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	106	106	106	106	104	96	93	87	77	78
Kalinga	31	31	34	36	37	38	38	38	36	30
Mountain Province	5	4	5	5	5	5	5	5	4	4
ILOCOS REGION	1,330	1,338	1,348	1,366	1,369	1,395	1,420	1,435	1,423	1,437
Ilocos Norte	544	544	539	542	541	544	547	536	535	536
Ilocos Sur	179	182	182	184	185	195	199	205	201	205
La Union	285	285	298	311	314	324	340	343	341	349
Pangasinan	321	327	329	329	329	332	333	352	347	347
CAGAYAN VALLEY	1,736	1,700	1,763	1,801	1,792	1,773	1,664	1,734	1,688	1,692
Batanes	..	..	5	4	5	4	4	3	2	3
Cagayan	682	695	721	748	743	713	650	654	625	611
Isabela	275	295	350	360	358	370	358	353	337	346
Nueva Vizcaya	656	612	595	595	595	594	560	630	635	634
Quirino	123	98	92	94	91	91	92	94	89	99
CENTRAL LUZON	1,967	1,927	1,932	1,913	1,932	1,940	2,038	2,120	2,110	2,129
Aurora	102	98	99	99	102	85	86	92	90	89
Bataan	38	38	38	33	31	31	30	30	30	30
Bulacan	672	680	674	647	668	698	800	830	830	835
Nueva Ecija	662	661	661	659	661	660	656	695	681	651
Pampanga	283	243	245	260	252	252	252	252	252	252
Tarlac	25	22	22	22	22	20	20	22	22	22
Zambales	185	185	193	193	196	194	194	199	203	249
CALABARZON	1,482	1,500	1,535	1,509	1,503	1,493	1,496	1,482	1,490	1,485
Batangas	218	238	255	234	234	229	243	243	243	240
Cavite	86	89	106	108	107	107	107	107	105	105
Laguna	136	140	139	134	129	124	125	120	131	130
Quezon	937	938	940	938	938	938	923	917	917	918
Rizal	105	95	95	95	95	95	98	95	93	92
MIMAROPA	317	324	324	328	342	360	365	421	421	425
Marinduque	18	20	20	20	22	23	26	27	28	28
Occidental Mindoro	154	152	151	152	155	162	166	172	172	172
Oriental Mindoro	29	30	31	32	39	46	44	89	86	90
Palawan	73	44	78	78	80	82	83	85	87	88
Romblon	43	78	45	45	46	47	47	48	48	48
BICOL REGION	1,324	1,313	1,328	1,320	1,331	1,335	1,327	1,312	1,324	1,299
Albay	401	401	401	395	405	405	410	410	410	410
Camarines Norte	106	104	105	106	107	108	108	107	119	116
Camarines Sur	475	472	474	475	475	477	477	462	462	461
Catanduanes	9	9	9	9	9	12	12	12	12	12
Masbate	160	160	160	160	160	160	160	160	160	160
Sorsogon	173	167	179	175	175	173	160	161	161	140
WESTERN VISAYAS	863	865	883	849	869	860	841	847	853	858
Aklan	54	54	54	46	48	46	45	48	50	48
Antique	73	72	75	76	78	79	85	89	95	96
Capiz	81	80	75	59	76	78	73	75	76	78
Guimaras	49	51	53	51	53	48	37	36	31	32
Iloilo	260	261	280	276	273	267	254	252	254	253
Negros Occidental	346	346	346	341	341	342	347	347	347	351
CENTRAL VISAYAS	1,085	1,031	788	388	389	401	395	409	415	415
Bohol	164	106	110	113	110	108	97	106	110	109
Cebu	147	154	147	153	149	155	165	168	168	168
Negros Oriental	764	760	521	114	122	130	126	127	129	131
Siquijor	10	11	10	8	8	8	8	8	8	8
EASTERN VISAYAS	385	388	392	355	319	334	338	332	331	329
Biliran	12	12	12	11	9	12	12	12	10	10
Eastern Samar	16	16	16	15	15	16	14	11	11	8
Leyte	293	292	296	262	226	236	237	235	235	235
Northern Samar	9	9	9	9	9	12	12	12	13	13
Samar (Western Samar)	23	25	25	25	25	27	27	27	28	28
Southern Leyte	32	34	34	33	34	31	36	35	35	35
ZAMBOANGA PENINSULA	596	597	600	581	569	537	505	516	520	503
Zamboanga del Norte	307	308	308	289	292	259	227	233	237	235
Zamboanga del Sur	78	71	69	71	72	72	72	73	73	72
Zamboanga Sibugay	39	38	42	38	26	31	31	32	30	30
City of Zamboanga	172	180	181	183	179	175	175	178	180	166
NORTHERN MINDANAO	335	427	442	450	459	456	459	476	485	496
Bukidnon	46	48	52	54	54	53	55	58	60	62
Camiguin	6	6	6	6	6	6	6	6	6	6
Lanao del Norte	47	49	51	54	54	53	56	57	58	60
Misamis Occidental	49	131	132	133	135	137	138	142	143	145
Misamis Oriental	187	193	201	203	210	207	205	214	218	224
DAVAO REGION	2,651	2,320	2,301	2,327	2,331	2,326	2,306	2,250	2,240	2,236
Davao del Norte	388	389	392	392	391	380	379	382	382	381
Davao del Sur	188	188	188	188	183	186	187	184	184	163
City of Davao	1,653	1,325	1,320	1,315	1,315	1,315	1,309	1,259	1,242	1,240
Davao Oriental	150	150	150	152	157	157	145	145	140	140
Davao de Oro (Compostela Valley)	272	268	251	280	285	288	286	280	292	290
Davao Occidental	..	..	..	..	..	..	..	..	..	22
SOCCSKSARGEN	200	207	203	208	210	223	220	221	219	220
North Cotabato	73	75	79	82	84	96	94	93	90	88
Sarangani	38	40	40	39	38	38	33	33	33	33
Sultan Kudarat	15	15	16	15	15	15	14	14	14	14
South Cotabato	74	77	68	72	74	75	80	81	82	85
CARAGA	170	120	114	117	109	120	135	141	155	163
Agusan del Norte	79	54	46	50	44	45	48	49	51	51
Agusan del Sur	27	23	25	28	31	41	54	56	65	69
Dinagat Islands	..	..	..	4	4	4	4	4	5	5
Surigao del Norte	39	20	19	15	10	10	9	10	10	10
Surigao del Sur	25	23	24	20	20	20	21	22	24	28
ARMM	67	70	71	71	73	73	71	75	77	77
Basilan	10	10	10	10	10	10	10	10	10	10
Lanao del Sur	1	1	1	2	2	2	2	2	2	2
Maguindanao	11	14	13	13	15	14	14	15	17	17
Sulu	43	44	45	44	44	44	42	46	46	45
Tawi-tawi	2	2	2	2	3	3	3	3	3	3

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Squash Fruit										
PHILIPPINES	**13,427**	**12,877**	**12,873**	**12,771**	**12,757**	**12,829**	**12,902**	**13,083**	**13,046**	**12,985**
CAR	247	238	252	272	275	275	252	254	251	265
Abra	131	131	131	131	131	131	122	122	122	122
Apayao	20	13	28	50	54	55	47	47	50	63
Benguet	19	18	18	18	18	17	17	17	16	16
Ifugao	22	22	22	22	23	23	20	20	20	22
Kalinga	19	19	17	15	13	13	12	12	12	11
Mountain Province	36	35	36	36	36	36	35	36	32	32
ILOCOS REGION	1,276	1,226	1,219	1,193	1,178	1,173	1,177	1,216	1,192	1,195
Ilocos Norte	533	508	493	466	448	436	428	409	401	406
Ilocos Sur	86	89	89	90	91	99	100	114	118	116
La Union	236	237	243	247	248	249	235	238	220	229
Pangasinan	420	391	393	390	391	389	414	455	453	445
CAGAYAN VALLEY	2,459	2,314	2,257	2,164	2,137	2,180	2,188	2,087	2,026	1,964
Batanes	..	..	5	4	4	4	3	3	3	3
Cagayan	534	553	553	563	553	496	379	308	283	275
Isabela	326	287	281	280	275	275	254	251	246	250
Nueva Vizcaya	1,454	1,359	1,308	1,205	1,210	1,310	1,455	1,427	1,404	1,358
Quirino	145	115	110	112	95	95	97	97	89	77
CENTRAL LUZON	1,090	1,070	1,080	1,085	1,082	1,112	1,085	1,034	1,052	1,080
Aurora	57	59	59	55	61	56	62	63	64	56
Bataan	12	12	12	14	13	13	13	13	13	13
Bulacan	33	33	33	34	35	92	100	103	103	103
Nueva Ecija	756	755	756	760	763	763	722	671	686	722
Pampanga	83	75	78	78	74	74	74	74	76	76
Tarlac	75	60	58	58	48	28	30	27	27	27
Zambales	74	76	83	86	88	86	85	84	84	83
CALABARZON	1,980	2,007	1,966	1,943	1,914	1,924	1,927	1,926	1,938	1,935
Batangas	364	424	394	384	364	366	368	373	377	377
Cavite	137	138	138	137	137	132	133	132	132	126
Laguna	222	221	215	216	205	216	212	212	221	221
Quezon	1,238	1,205	1,200	1,187	1,189	1,191	1,191	1,186	1,185	1,188
Rizal	19	19	19	19	19	19	23	23	23	23
MIMAROPA	190	200	203	211	226	231	262	341	339	361
Marinduque	24	24	24	24	24	25	25	28	29	31
Occidental Mindoro	68	75	75	78	81	83	85	87	88	88
Oriental Mindoro	25	27	22	25	32	33	58	129	123	143
Palawan	44	44	50	51	55	57	58	60	60	59
Romblon	29	30	32	32	34	34	36	37	39	40
BICOL REGION	1,107	1,084	1,089	1,088	1,079	1,102	1,102	1,099	1,094	1,003
Albay	675	655	655	655	645	665	665	665	665	600
Camarines Norte	128	128	131	131	132	133	133	126	122	102
Camarines Sur	164	162	162	162	162	164	164	168	168	166
Catanduanes	34	34	34	34	34	34	34	34	34	33
Masbate	76	76	76	76	76	76	76	76	76	76
Sorsogon	30	29	31	30	30	30	30	30	30	27
WESTERN VISAYAS	937	903	896	854	867	866	888	906	910	916
Aklan	48	47	50	38	35	41	36	37	39	40
Antique	39	35	35	35	36	34	34	39	41	41
Capiz	91	84	84	60	71	71	70	68	71	74
Guimaras	17	17	18	19	22	20	18	20	21	22
Iloilo	312	298	292	284	285	285	315	325	325	326
Negros Occidental	431	421	418	418	418	415	415	417	413	413
CENTRAL VISAYAS	948	795	807	814	841	834	821	821	829	822
Bohol	72	61	67	67	63	62	64	66	65	62
Cebu	324	295	295	306	398	421	408	404	412	411
Negros Oriental	526	411	419	414	355	327	326	329	329	327
Siquijor	26	28	26	27	25	24	23	23	24	22
EASTERN VISAYAS	381	381	393	372	345	350	346	334	321	315
Biliran	33	31	31	29	28	29	29	25	21	20
Eastern Samar	76	76	77	76	68	65	60	55	45	41
Leyte	141	140	146	132	113	120	121	119	119	119
Northern Samar	9	9	15	15	15	14	14	14	14	15
Samar (Western Samar)	96	97	98	98	98	100	100	100	100	101
Southern Leyte	26	28	27	22	23	22	21	21	21	21
ZAMBOANGA PENINSULA	541	536	542	546	562	554	556	547	551	545
Zamboanga del Norte	115	120	123	118	119	113	112	110	110	109
Zamboanga del Sur	102	88	86	84	84	81	81	82	83	81
Zamboanga Sibugay	134	130	132	141	144	144	143	137	136	133
City of Zamboanga	190	198	201	203	215	216	220	218	222	222
NORTHERN MINDANAO	1,024	1,069	1,079	1,106	1,109	1,068	1,081	1,112	1,130	1,148
Bukidnon	515	553	555	574	586	547	560	576	587	592
Camiguin	7	6	6	6	6	6	6	6	5	5
Lanao del Norte	164	166	170	174	165	164	172	168	165	165
Misamis Occidental	150	158	167	169	175	178	172	177	180	179
Misamis Oriental	188	186	181	183	177	173	172	185	192	207
DAVAO REGION	562	535	540	556	558	578	569	574	571	574
Davao del Norte	160	158	160	160	157	180	182	183	183	183
Davao del Sur	127	120	122	122	122	115	113	113	114	104
City of Davao	88	75	86	88	90	92	88	98	100	101
Davao Oriental	70	70	67	62	62	62	58	58	58	60
Davao de Oro (Compostela Valley)	117	112	105	124	127	129	128	122	116	115
Davao Occidental	..	..	..	..	..	..	..	..	..	12
SOCCSKSARGEN	221	212	234	248	266	264	254	294	298	308
North Cotabato	64	67	67	69	77	79	79	71	62	62
Sarangani	44	44	44	44	45	45	37	38	38	38
Sultan Kudarat	75	63	86	96	102	97	94	144	155	163
South Cotabato	38	38	37	39	43	43	44	42	44	46
CARAGA	309	166	170	184	187	184	261	403	403	413
Agusan del Norte	195	75	73	91	95	87	90	92	94	94
Agusan del Sur	57	47	51	55	61	64	135	275	265	271
Dinagat Islands	..	..	..	2	2	2	2	2	7	7
Surigao del Norte	19	17	19	12	6	8	8	8	8	8
Surigao del Sur	38	27	27	24	23	23	26	26	30	33
ARMM	155	143	147	137	132	134	132	136	142	141
Basilan	13	13	13	13	13	13	13	13	13	13
Lanao del Sur	30	30	31	22	22	22	22	22	22	22
Maguindanao	62	50	53	53	55	58	58	61	66	66
Sulu	30	30	31	30	30	30	28	29	30	30
Tawi-tawi	21	20	20	19	12	11	11	12	11	11

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sweet Potato										
PHILIPPINES	**109,438**	**103,704**	**101,087**	**94,844**	**88,968**	**85,843**	**84,752**	**84,974**	**84,045**	**83,338**
CAR	3,033	3,018	3,069	3,049	3,021	2,892	2,806	2,600	2,194	1,671
Abra	63	63	63	63	63	63	63	63	63	63
Apayao	15	15	18	21	27	29	23	21	25	27
Benguet	792	792	769	759	763	761	748	719	670	520
Ifugao	1,712	1,712	1,712	1,712	1,698	1,600	1,573	1,443	1,175	811
Kalinga	53	53	55	55	58	58	57	43	42	30
Mountain Province	399	383	452	439	412	381	342	311	220	220
ILOCOS REGION	3,060	3,015	3,017	2,990	2,995	3,003	2,983	2,852	2,813	2,790
Ilocos Norte	380	380	380	376	380	380	379	379	375	376
Ilocos Sur	299	307	309	310	310	313	308	311	312	309
La Union	536	560	569	574	577	582	602	601	632	614
Pangasinan	1,845	1,769	1,760	1,730	1,728	1,728	1,694	1,561	1,494	1,490
CAGAYAN VALLEY	1,843	1,751	1,736	1,650	1,483	1,432	1,311	1,177	1,187	1,196
Batanes	..	..	54	52	50	48	40	42	48	53
Cagayan	499	513	518	519	526	538	423	437	441	446
Isabela	391	305	231	153	79	67	63	53	55	53
Nueva Vizcaya	911	890	888	881	785	734	740	604	601	603
Quirino	42	43	45	45	43	45	45	41	42	41
CENTRAL LUZON	6,793	6,789	6,942	6,932	6,951	5,879	5,920	5,981	5,920	5,976
Aurora	392	394	396	401	409	405	443	443	487	546
Bataan	464	464	465	440	422	371	351	351	267	297
Bulacan	60	60	60	62	63	40	62	64	64	62
Nueva Ecija	217	217	216	216	216	210	209	267	248	236
Pampanga	540	525	533	530	503	503	503	500	500	500
Tarlac	4,980	4,980	5,100	5,100	5,150	4,150	4,150	4,153	4,148	4,148
Zambales	140	149	172	183	188	200	202	203	207	187
CALABARZON	3,865	3,862	3,851	3,954	3,936	3,942	3,957	3,967	3,920	3,930
Batangas	15	17	14	72	51	53	49	49	47	48
Cavite	192	192	194	196	196	194	189	188	188	188
Laguna	156	152	154	158	157	161	162	164	164	169
Quezon	3,397	3,405	3,393	3,432	3,436	3,438	3,440	3,443	3,395	3,399
Rizal	105	96	96	96	96	96	117	124	127	127
MIMAROPA	2,482	2,527	2,551	2,556	2,545	2,555	2,575	2,587	2,578	2,604
Marinduque	257	261	261	261	262	262	288	297	299	303
Occidental Mindoro	700	718	730	732	736	744	753	759	755	745
Oriental Mindoro	569	582	588	597	609	613	614	611	603	644
Palawan	745	753	758	758	762	765	765	765	766	761
Romblon	211	213	214	208	175	170	155	155	156	151
BICOL REGION	19,603	19,422	19,454	18,978	18,039	17,583	17,402	17,405	17,399	17,209
Albay	5,830	5,700	5,700	5,700	5,150	5,150	5,150	5,150	5,150	5,150
Camarines Norte	216	215	216	220	220	220	220	220	219	201
Camarines Sur	8,602	8,598	8,626	8,588	8,555	8,550	8,536	8,536	8,531	8,530
Catanduanes	1,684	1,684	1,684	1,684	1,684	1,260	1,255	1,255	1,255	1,211
Masbate	1,012	1,012	1,012	1,012	1,012	1,012	982	982	982	982
Sorsogon	2,259	2,213	2,216	1,774	1,418	1,391	1,259	1,262	1,262	1,135
WESTERN VISAYAS	6,648	6,709	6,748	6,639	6,641	6,754	6,450	6,572	6,545	6,498
Aklan	518	518	511	493	495	492	485	484	486	484
Antique	567	553	544	514	500	492	500	520	527	526
Capiz	645	635	625	608	596	600	597	598	603	597
Guimaras	325	355	375	395	415	385	305	317	273	250
Iloilo	2,150	2,205	2,252	2,189	2,192	2,353	2,131	2,221	2,221	2,213
Negros Occidental	2,443	2,443	2,441	2,441	2,443	2,432	2,432	2,432	2,435	2,428
CENTRAL VISAYAS	11,548	10,237	8,432	7,301	5,968	5,638	5,729	5,811	5,631	5,723
Bohol	7,189	6,009	4,151	3,008	1,720	1,500	1,385	1,480	1,446	1,428
Cebu	2,170	2,170	2,205	2,262	2,195	2,189	2,147	2,140	2,158	2,158
Negros Oriental	2,035	1,910	1,929	1,919	1,969	1,870	2,130	2,119	1,955	2,070
Siquijor	154	148	147	112	84	79	68	72	72	68
EASTERN VISAYAS	25,491	24,876	24,655	22,809	20,574	19,293	18,858	18,619	18,381	18,100
Biliran	433	421	406	366	301	306	307	265	230	218
Eastern Samar	2,266	2,272	2,274	2,270	2,213	2,189	1,900	1,700	1,550	1,411
Leyte	4,616	4,615	4,872	4,622	3,663	3,810	3,805	3,800	3,800	3,800
Northern Samar	7,624	7,710	7,310	7,170	6,770	5,716	5,623	5,623	5,575	5,575
Samar (Western Samar)	4,115	3,627	3,647	3,630	3,130	3,135	3,136	3,166	3,166	3,121
Southern Leyte	6,437	6,231	6,146	4,751	4,497	4,137	4,087	4,065	4,060	3,975
ZAMBOANGA PENINSULA	3,076	3,041	2,956	2,605	2,425	2,378	2,323	2,332	2,322	2,298
Zamboanga del Norte	367	367	368	372	372	322	273	271	247	242
Zamboanga del Sur	1,395	1,405	1,367	1,367	1,368	1,376	1,375	1,385	1,398	1,387
Zamboanga Sibugay	1,061	1,015	960	610	450	453	454	455	454	471
City of Zamboanga	253	254	261	256	235	227	221	221	223	198
NORTHERN MINDANAO	2,602	2,644	2,674	2,717	2,731	2,709	2,744	2,814	2,864	2,880
Bukidnon	578	605	620	620	627	616	621	672	697	710
Camiguin	95	91	86	89	86	84	110	114	113	107
Lanao del Norte	1,272	1,279	1,290	1,306	1,312	1,307	1,310	1,316	1,334	1,338
Misamis Occidental	289	297	305	323	325	317	316	325	329	331
Misamis Oriental	368	372	373	379	382	385	387	387	391	395
DAVAO REGION	4,155	3,833	3,742	3,729	3,717	3,738	3,628	3,622	3,648	3,647
Davao del Norte	756	757	749	740	722	724	731	716	714	711
Davao del Sur	1,138	838	838	839	839	844	749	750	785	374
City of Davao	276	273	273	276	275	284	273	280	281	282
Davao Oriental	665	665	658	658	663	663	652	652	648	648
Davao de Oro (Compostela Valley)	1,320	1,300	1,224	1,216	1,218	1,224	1,224	1,224	1,220	1,220
Davao Occidental	..	..	..	..	..	..	..	..	..	412
SOCCSKSARGEN	1,574	1,574	1,550	1,549	1,479	1,386	1,293	1,270	1,221	1,211
North Cotabato	1,252	1,256	1,261	1,261	1,190	1,105	1,044	1,014	965	960
Sarangani	127	127	107	106	104	102	83	84	85	85
Sultan Kudarat	103	98	101	100	100	97	97	100	102	98
South Cotabato	92	93	81	82	85	82	69	72	70	69
CARAGA	11,099	7,915	7,229	5,149	4,746	4,762	4,873	5,465	5,523	5,704
Agusan del Norte	3,128	2,615	1,700	788	789	780	800	700	700	750
Agusan del Sur	2,608	1,910	2,419	2,298	2,320	2,310	2,403	3,060	3,080	3,096
Dinagat Islands	..	..	..	158	85	85	80	79	81	82
Surigao del Norte	2,343	1,480	1,200	542	170	205	175	181	181	181
Surigao del Sur	3,020	1,910	1,910	1,363	1,382	1,382	1,415	1,445	1,481	1,596
ARMM	2,566	2,491	2,481	2,238	1,718	1,899	1,899	1,899	1,900	1,900
Basilan	687	687	687	687	447	687	687	687	687	687
Lanao del Sur	1,170	1,170	1,165	930	930	930	930	931	931	934
Maguindanao	306	234	232	232	108	50	50	50	51	51
Sulu	136	136	136	130	89	89	89	89	89	88
Tawi-tawi	267	264	261	259	144	143	143	142	142	140

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Swamp cabbage/Kangkong										
PHILIPPINES	**7,255**	**7,209**	**6,963**	**7,041**	**6,803**	**6,737**	**6,425**	**6,482**	**6,465**	**6,426**
CAR	5	5	5	5	5	5	7	6	6	5
Abra	3	3	3	3	3	3	3	3	3	3
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	2	2	2	2	2	2	4	3	3	2
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	162	163	167	167	168	170	169	171	171	165
Ilocos Norte	79	79	81	81	82	82	80	80	82	85
Ilocos Sur	19	20	20	20	20	20	20	20	20	20
La Union	21	22	23	24	24	25	25	25	25	25
Pangasinan	43	42	42	43	43	44	44	46	44	35
CAGAYAN VALLEY	188	197	196	221	220	217	219	226	224	220
Batanes	..	..	0	0	0	0	0	0	0	0
Cagayan	48	52	55	62	61	58	58	61	62	61
Isabela	60	65	62	79	81	81	80	79	74	72
Nueva Vizcaya	44	44	45	44	44	44	47	51	52	52
Quirino	36	36	34	36	34	34	34	35	36	35
CENTRAL LUZON	124	121	116	115	119	142	135	153	160	160
Aurora	16	15	15	15	15	16	14	14	14	13
Bataan	24	22	21	20	19	18	18	18	18	18
Bulacan	49	49	45	45	50	72	69	71	71	72
Nueva Ecija	20	20	20	20	20	21	19	19	15	15
Pampanga	..	..	..	..	..	..	..	15	25	25
Tarlac	15	15	15	15	15	15	15	16	18	18
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	664	690	683	681	676	643	643	513	512	511
Batangas	42	55	54	53	47	38	36	37	37	37
Cavite	22	23	20	18	18	18	20	19	19	19
Laguna	19	30	31	31	32	29	29	39	40	39
Quezon	549	549	545	545	545	525	525	387	387	387
Rizal	32	33	33	34	34	33	33	31	29	29
MIMAROPA	285	292	297	299	303	300	293	309	318	319
Marinduque	13	12	12	12	12	12	12	11	12	12
Occidental Mindoro	188	193	198	200	203	206	200	204	210	209
Oriental Mindoro	30	31	32	32	33	28	26	36	37	39
Palawan	47	48	48	48	48	47	47	48	48	48
Romblon	7	7	8	7	7	7	8	10	11	10
BICOL REGION	924	893	813	771	676	680	645	636	640	627
Albay	640	610	525	485	390	390	370	360	360	355
Camarines Norte	52	51	49	48	48	46	46	47	50	45
Camarines Sur	149	150	151	151	151	152	146	146	147	146
Catanduanes	23	23	23	23	23	28	27	27	27	26
Masbate	8	8	12	12	12	12	12	12	12	12
Sorsogon	52	51	53	52	52	52	44	44	45	43
WESTERN VISAYAS	634	637	641	618	602	587	572	555	551	543
Aklan	164	165	165	150	140	139	134	126	120	118
Antique	62	63	62	59	56	56	54	54	57	58
Capiz	59	62	67	67	68	64	63	59	59	56
Guimaras	50	41	38	34	31	27	22	22	20	18
Iloilo	138	145	148	147	146	142	140	133	134	132
Negros Occidental	161	161	161	161	161	159	159	161	161	161
CENTRAL VISAYAS	465	342	322	329	281	272	272	289	286	286
Bohol	100	58	47	40	36	34	34	37	34	33
Cebu	44	40	36	40	43	45	46	45	45	45
Negros Oriental	318	241	236	245	200	191	191	205	205	207
Siquijor	3	3	3	3	2	2	2	2	2	2
EASTERN VISAYAS	595	585	366	476	430	424	408	396	393	395
Biliran	4	4	3	4	4	8	7	7	7	6
Eastern Samar	10	10	10	10	12	13	12	11	9	8
Leyte	163	164	168	146	135	137	132	128	128	128
Northern Samar	6	7	7	7	7	6	6	6	6	6
Samar (Western Samar)	252	258	62	210	203	196	188	180	179	182
Southern Leyte	160	142	115	99	69	65	62	64	64	64
ZAMBOANGA PENINSULA	693	699	720	702	694	672	584	577	549	539
Zamboanga del Norte	509	503	500	491	489	480	395	390	360	357
Zamboanga del Sur	53	59	64	67	68	68	74	75	75	71
Zamboanga Sibugay	39	46	63	54	51	46	40	42	42	39
City of Zamboanga	92	91	93	91	86	78	75	70	72	72
NORTHERN MINDANAO	385	389	405	409	403	395	402	413	422	420
Bukidnon	95	80	80	78	74	69	71	75	77	80
Camiguin	11	11	12	12	12	12	12	13	13	13
Lanao del Norte	49	62	73	75	76	75	80	80	80	80
Misamis Occidental	113	115	115	113	114	114	113	115	116	118
Misamis Oriental	117	121	125	131	127	125	126	131	135	129
DAVAO REGION	1,128	1,143	1,141	1,160	1,123	1,064	948	1,058	1,062	1,061
Davao del Norte	573	577	578	579	544	492	488	498	498	497
Davao del Sur	172	172	172	169	165	156	149	151	151	151
City of Davao	182	191	193	198	196	198	97	198	198	196
Davao Oriental	74	74	74	74	78	78	74	74	73	73
Davao de Oro (Compostela Valley)	127	129	124	140	140	140	140	137	142	144
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	294	292	294	297	301	299	277	273	253	252
North Cotabato	148	152	156	158	160	160	149	147	130	130
Sarangani	24	25	24	24	24	24	21	21	21	21
Sultan Kudarat	51	51	52	52	52	52	50	50	50	47
South Cotabato	71	64	62	63	66	63	57	54	51	54
CARAGA	376	352	356	334	331	398	385	438	441	444
Agusan del Norte	38	38	40	41	36	30	29	30	28	27
Agusan del Sur	248	236	260	237	243	318	306	358	361	362
Dinagat Islands	..	..	..	2	2	2	2	1	2	2
Surigao del Norte	55	44	21	18	14	12	11	11	11	11
Surigao del Sur	35	35	35	36	36	36	37	38	40	42
ARMM	333	409	444	458	472	469	468	471	478	477
Basilan	13	13	13	13	12	12	12	12	12	12
Lanao del Sur	2	2	2	2	3	3	3	3	3	3
Maguindanao	303	380	415	430	445	442	441	444	451	451
Sulu	8	8	8	7	6	6	6	6	6	6
Tawi-tawi	7	6	6	6	6	6	6	6	6	5

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Taro/Gabi										
PHILIPPINES	**16,998**	**16,827**	**16,362**	**15,819**	**15,384**	**15,345**	**15,143**	**15,011**	**14,923**	**14,877**
CAR	421	420	425	434	441	440	436	437	420	418
Abra	19	19	19	19	19	19	19	19	19	19
Apayao	12	12	15	22	27	27	26	26	26	31
Benguet	349	349	349	349	349	348	346	346	332	327
Ifugao	26	26	26	26	26	26	26	26	25	25
Kalinga	12	12	15	17	19	19	20	19	17	15
Mountain Province	3	2	1	1	1	1	1	1	1	1
ILOCOS REGION	495	494	492	477	479	471	455	451	451	451
Ilocos Norte	155	152	152	152	155	152	151	150	149	149
Ilocos Sur	16	18	21	21	22	22	22	22	21	21
La Union	105	112	114	114	113	116	108	107	107	107
Pangasinan	219	213	205	190	190	181	174	173	174	174
CAGAYAN VALLEY	1,644	1,691	1,685	1,699	1,689	1,699	1,699	1,628	1,639	1,633
Batanes	..	..	10	9	9	8	5	5	5	5
Cagayan	595	625	625	638	628	637	627	528	538	543
Isabela	673	683	686	688	689	689	689	688	683	664
Nueva Vizcaya	310	314	295	295	294	296	302	325	326	326
Quirino	66	69	69	69	69	69	75	82	87	96
CENTRAL LUZON	963	970	972	974	986	985	985	975	976	972
Aurora	155	156	156	157	175	176	173	179	178	180
Bataan	90	90	90	87	84	84	81	81	81	81
Bulacan	48	51	52	53	53	53	64	65	65	57
Nueva Ecija	132	132	132	132	132	130	126	121	129	129
Pampanga	290	283	277	275	268	268	267	267	267	266
Tarlac	73	75	77	77	80	80	80	80	79	78
Zambales	175	183	188	193	194	194	194	183	178	182
CALABARZON	989	985	983	932	856	831	787	774	767	769
Batangas	313	313	314	273	197	176	133	133	130	131
Cavite	45	43	46	47	46	47	48	47	47	47
Laguna	105	105	106	106	106	101	105	96	96	97
Quezon	526	524	517	506	507	507	502	499	494	494
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	685	704	712	716	730	710	698	703	709	721
Marinduque	99	102	102	101	102	102	103	100	105	105
Occidental Mindoro	18	20	22	23	25	26	26	26	27	25
Oriental Mindoro	349	357	363	369	380	358	346	354	352	364
Palawan	122	126	125	122	124	123	123	123	124	125
Romblon	97	99	101	101	99	101	100	99	101	102
BICOL REGION	1,547	1,504	1,462	1,427	1,377	1,322	1,288	1,283	1,280	1,259
Albay	850	810	760	725	675	665	654	652	644	644
Camarines Norte	40	42	41	43	43	43	43	40	45	46
Camarines Sur	282	281	282	282	282	281	281	281	282	281
Catanduanes	91	91	91	91	91	48	47	47	47	47
Masbate	16	16	16	16	16	16	16	16	16	16
Sorsogon	268	264	272	270	270	269	247	247	247	225
WESTERN VISAYAS	659	661	657	623	629	623	617	616	618	611
Aklan	209	207	205	173	181	181	179	173	174	174
Antique	103	104	100	102	102	104	105	105	106	109
Capiz	80	79	79	78	79	78	76	78	75	70
Guimaras	17	17	19	18	18	17	15	14	14	14
Iloilo	148	152	152	151	147	144	143	147	150	147
Negros Occidental	102	102	102	102	102	99	99	99	99	97
CENTRAL VISAYAS	1,482	1,408	1,156	1,150	1,049	1,025	1,001	980	979	974
Bohol	1,137	1,049	802	801	700	688	687	689	682	673
Cebu	181	184	178	168	166	160	138	135	135	135
Negros Oriental	146	155	156	162	164	159	159	139	144	149
Siquijor	18	20	20	19	19	18	17	17	18	17
EASTERN VISAYAS	4,707	4,714	4,566	4,537	4,355	4,469	4,467	4,456	4,392	4,375
Biliran	234	181	181	172	161	162	162	135	110	107
Eastern Samar	29	29	30	30	30	27	27	27	25	24
Leyte	1,372	1,376	1,378	1,355	1,193	1,230	1,230	1,233	1,233	1,233
Northern Samar	2,259	2,284	2,124	2,124	2,133	2,228	2,217	2,218	2,173	2,166
Samar (Western Samar)	453	468	473	473	473	479	479	484	490	494
Southern Leyte	360	376	380	383	365	343	352	359	361	352
ZAMBOANGA PENINSULA	308	302	304	243	219	209	193	193	195	193
Zamboanga del Norte	93	89	89	87	87	80	73	73	72	72
Zamboanga del Sur	70	67	66	63	65	64	60	61	64	63
Zamboanga Sibugay	99	99	100	46	35	32	32	33	33	33
City of Zamboanga	46	47	49	48	32	33	27	26	26	26
NORTHERN MINDANAO	280	291	297	300	303	303	305	312	312	322
Bukidnon	19	20	21	19	16	15	15	16	17	24
Camiguin	21	22	22	24	23	21	22	23	23	23
Lanao del Norte	130	132	132	132	134	137	136	139	135	134
Misamis Occidental	93	95	97	99	100	101	104	104	104	106
Misamis Oriental	17	22	25	27	30	29	29	30	33	36
DAVAO REGION	345	397	401	421	436	436	433	436	431	431
Davao del Norte	37	39	41	40	42	38	37	37	37	37
Davao del Sur	70	70	70	69	69	66	65	63	63	58
City of Davao	24	72	85	91	96	100	101	111	111	112
Davao Oriental	41	41	41	41	42	42	39	39	39	39
Davao de Oro (Compostela Valley)	173	175	164	180	187	190	191	186	181	181
Davao Occidental	..	..	..	..	..	..	..	..	..	5
SOCCSKSARGEN	289	291	296	303	304	284	241	235	216	215
North Cotabato	225	228	231	240	242	222	184	175	155	154
Sarangani	30	30	30	26	26	26	22	23	23	22
Sultan Kudarat	24	22	22	24	24	24	23	26	26	26
South Cotabato	10	11	13	13	13	13	11	11	12	12
CARAGA	2,041	1,856	1,822	1,450	1,401	1,411	1,413	1,405	1,410	1,406
Agusan del Norte	57	51	61	72	75	79	76	81	82	102
Agusan del Sur	1,258	1,167	1,195	1,015	1,035	1,050	1,050	1,035	1,038	1,042
Dinagat Islands	..	..	..	35	33	33	39	37	35	34
Surigao del Norte	585	508	435	175	100	91	85	87	85	85
Surigao del Sur	141	130	131	153	158	158	163	166	170	144
ARMM	143	137	132	131	133	129	127	127	127	126
Basilan	23	23	23	23	23	23	23	23	23	23
Lanao del Sur	48	48	47	46	46	46	46	46	46	46
Maguindanao	20	16	14	14	16	14	14	14	14	14
Sulu	50	48	46	46	46	44	42	42	43	42
Tawi-tawi	2	2	2	2	2	2	2	2	2	2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tomato										
PHILIPPINES	**17,663**	**17,556**	**17,345**	**17,231**	**16,742**	**16,165**	**16,197**	**16,491**	**16,494**	**16,360**
CAR	357	360	359	355	356	342	336	335	301	300
Abra	53	53	53	53	53	53	53	50	50	50
Apayao	2	2	2	2	2	2	2	3	2	2
Benguet	229	230	230	229	231	230	224	203	163	153
Ifugao	4	4	4	4	4	7	11	16	16	27
Kalinga	21	21	19	16	16	14	12	12	14	12
Mountain Province	48	50	51	51	50	37	34	52	56	56
ILOCOS REGION	3,773	3,730	3,739	3,785	3,821	3,827	3,789	3,826	3,659	3,637
Ilocos Norte	1,359	1,376	1,386	1,390	1,387	1,377	1,361	1,351	1,345	1,339
Ilocos Sur	1,165	1,144	1,137	1,180	1,217	1,237	1,217	1,245	1,034	974
La Union	144	145	148	150	154	154	166	173	173	173
Pangasinan	1,105	1,065	1,068	1,065	1,064	1,059	1,045	1,057	1,107	1,150
CAGAYAN VALLEY	893	883	851	849	873	801	855	820	829	818
Batanes	..	..	2	2	3	2	2	2	2	2
Cagayan	46	51	48	50	52	54	51	55	58	60
Isabela	197	161	139	142	151	145	141	137	137	122
Nueva Vizcaya	642	663	652	646	658	591	649	615	620	625
Quirino	8	8	9	9	10	10	11	11	12	10
CENTRAL LUZON	3,379	3,374	3,396	3,399	3,482	3,214	3,260	3,265	3,350	3,301
Aurora	1	2	2	2	2	2	9	12	13	13
Bataan	33	33	33	33	32	32	32	32	35	35
Bulacan	163	170	176	172	179	183	177	182	182	178
Nueva Ecija	1,393	1,393	1,391	1,396	1,481	1,483	1,530	1,535	1,605	1,573
Pampanga	212	193	205	206	198	198	198	198	208	208
Tarlac	1,498	1,500	1,498	1,498	1,495	1,223	1,221	1,221	1,221	1,221
Zambales	79	83	91	92	95	93	93	87	87	73
CALABARZON	1,354	1,406	1,306	1,361	1,243	1,147	1,135	1,196	1,258	1,203
Batangas	276	310	282	286	184	123	119	120	120	124
Cavite	66	68	70	72	74	58	48	48	49	53
Laguna	592	599	522	547	520	501	501	556	617	557
Quezon	399	406	409	434	442	442	443	451	452	449
Rizal	21	23	23	23	23	23	24	21	20	20
MIMAROPA	266	280	294	310	329	344	353	425	443	428
Marinduque	9	9	9	9	9	9	10	10	10	11
Occidental Mindoro	133	144	155	163	168	173	175	173	179	175
Oriental Mindoro	7	7	7	13	22	28	31	106	116	105
Palawan	89	91	95	97	101	104	107	107	109	109
Romblon	28	29	28	28	29	30	30	29	30	29
BICOL REGION	581	564	557	552	546	550	550	550	550	549
Albay	245	240	230	225	220	220	220	220	220	220
Camarines Norte	6	6	7	7	7	7	7	7	6	6
Camarines Sur	306	294	296	296	295	298	299	299	299	298
Catanduanes	3	3	3	3	3	4	4	4	4	4
Masbate	16	16	16	16	16	16	16	16	16	16
Sorsogon	5	5	5	5	5	5	5	5	5	5
WESTERN VISAYAS	823	785	787	786	803	862	870	908	917	908
Aklan	28	28	28	25	25	25	23	25	26	27
Antique	62	56	54	54	55	54	57	63	60	65
Capiz	28	33	35	28	32	30	32	35	33	34
Guimaras	3	3	2	2	2	2	3	3	3	4
Iloilo	645	610	612	622	634	696	700	728	739	724
Negros Occidental	57	55	55	55	55	55	55	54	55	55
CENTRAL VISAYAS	1,400	1,326	1,220	1,159	653	620	563	601	618	614
Bohol	487	457	427	432	202	200	158	186	190	187
Cebu	640	600	520	507	280	263	243	246	257	257
Negros Oriental	267	262	266	216	168	154	159	166	169	167
Siquijor	6	7	7	4	3	3	3	3	3	3
EASTERN VISAYAS	105	106	108	101	96	100	101	98	95	96
Biliran	16	20	18	17	14	15	15	13	10	10
Eastern Samar	6	6	6	6	6	6	6	5	5	5
Leyte	24	25	27	26	24	26	25	26	26	26
Northern Samar	8	8	8	8	8	10	10	10	10	10
Samar (Western Samar)	20	20	20	20	19	20	20	21	21	21
Southern Leyte	31	27	29	24	25	23	24	24	23	23
ZAMBOANGA PENINSULA	511	516	499	472	434	409	402	402	408	400
Zamboanga del Norte	123	126	129	98	101	82	73	77	73	70
Zamboanga del Sur	96	90	62	89	91	91	94	96	101	96
Zamboanga Sibugay	36	38	41	32	29	30	32	32	33	33
City of Zamboanga	256	262	267	253	213	206	203	197	201	201
NORTHERN MINDANAO	2,697	2,748	2,727	2,648	2,629	2,529	2,525	2,595	2,589	2,611
Bukidnon	1,956	2,000	1,985	2,000	2,015	1,940	1,930	2,004	2,067	2,106
Camiguin	7	8	7	8	8	8	8	9	8	8
Lanao del Norte	72	74	76	79	78	76	78	67	72	71
Misamis Occidental	37	40	41	43	43	43	41	47	47	48
Misamis Oriental	625	626	618	518	485	462	468	468	395	378
DAVAO REGION	653	637	644	641	651	640	647	653	658	664
Davao del Norte	21	19	21	21	21	16	17	17	17	17
Davao del Sur	306	309	319	322	320	314	316	319	323	306
City of Davao	139	131	137	142	144	144	144	148	148	147
Davao Oriental	57	58	60	60	70	70	72	72	73	74
Davao de Oro (Compostela Valley)	130	120	107	96	96	96	98	97	97	104
Davao Occidental	..	..	..	..	..	..	..	..	..	16
SOCCSKSARGEN	664	666	676	642	657	652	660	648	640	647
North Cotabato	490	495	500	470	483	474	476	460	454	455
Sarangani	32	32	32	31	32	33	29	30	30	30
Sultan Kudarat	82	77	81	80	80	80	81	79	75	79
South Cotabato	60	62	63	61	63	65	73	79	81	83
CARAGA	75	55	58	49	50	53	78	93	98	103
Agusan del Norte	34	25	28	15	17	15	16	16	17	17
Agusan del Sur	16	14	15	16	18	23	46	60	63	64
Dinagat Islands	..	..	..	..	..	..	0	0	1	1
Surigao del Norte	7	4	3	6	4	4	4	4	4	4
Surigao del Sur	18	12	12	13	11	11	12	13	14	17
ARMM	131	121	125	120	119	75	75	75	80	80
Basilan	10	10	10	10	10	10	10	10	10	10
Lanao del Sur	13	13	14	10	10	10	10	10	10	10
Maguindanao	94	84	86	86	85	41	41	42	46	46
Sulu	10	10	10	9	9	9	9	9	9	9
Tawi-tawi	4	5	5	5	5	5	5	5	5	5

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.11.2
OTHER CROPS: AREA PLANTED/HARVESTED BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(In hectares)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White/Irish Potato										
PHILIPPINES	**8,129**	**8,171**	**8,096**	**7,890**	**7,868**	**7,843**	**7,744**	**7,793**	**7,571**	**7,514**
CAR	6,069	6,116	6,083	5,892	5,885	5,894	5,788	5,820	5,587	5,525
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	5,174	5,176	5,157	4,969	4,969	5,014	4,981	4,997	4,795	4,735
Ifugao	10	10	10	10	10	10	9	8	6	4
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	885	930	916	913	906	870	798	815	786	786
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	70	69	66	64	64	61	66	65	66	66
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	1	1	1	1	1	1	1	1	1	1
Nueva Vizcaya	69	68	65	63	63	60	65	64	64	64
Quirino	..	..	..	..	..	..	..	..	0	1
CENTRAL LUZON	1	1	1	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	1	1	1	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	21	21	18	13	3	2	3	1	1	2
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	0	..	..	..	..	..	..	..	..	..
Negros Oriental	21	21	18	13	3	2	3	1	1	2
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	568	560	550	543	537	500	505	519	528	536
Bukidnon	568	560	550	543	537	500	505	519	528	536
Camiguin	..	..	..	..	..	..	0	0	0	0
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	1,329	1,330	1,303	1,300	1,300	1,311	1,312	1,313	1,313	1,313
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	1,325	1,325	1,298	1,295	1,296	1,308	1,309	1,310	1,310	1,310
City of Davao	4	5	5	5	4	3	3	3	3	3
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	72	74	75	78	79	75	70	75	76	74
North Cotabato	17	19	20	22	23	22	16	15	14	14
Sarangani	15	14	14	14	13	13	11	11	11	11
Sultan Kudarat	11	10	10	10	10	9	9	13	14	13
South Cotabato	30	31	31	33	33	32	34	36	37	35
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Sugarcane, Mongo and Watermelon

Table 2.12.1
PALAY AND CORN: VOLUME OF PRODUCTION BY ECOSYSTEM/CROPTYPE & GEOLOCATION
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Palay										
PHILIPPINES	**15,772,319**	**16,684,062**	**18,032,525**	**18,439,420**	**18,967,826**	**18,149,838**	**17,627,245**	**19,276,347**	**19,066,094**	**18,814,827**
CAR	400,415	428,949	453,461	460,170	452,609	400,911	382,848	445,006	391,105	418,321
Abra	77,611	80,428	82,333	79,444	75,500	66,716	65,159	69,477	62,120	82,430
Apayao	96,689	98,489	105,891	106,741	101,158	96,453	86,430	103,335	76,346	86,819
Benguet	15,780	15,790	16,696	17,491	17,355	18,144	18,145	20,276	19,918	20,448
Ifugao	60,350	61,903	62,465	63,379	63,076	63,362	60,866	62,387	60,077	53,940
Kalinga	134,266	155,895	168,854	174,012	176,529	141,094	137,784	173,292	156,269	158,285
Mountain Province	15,719	16,444	17,222	19,103	18,991	15,142	14,464	16,239	16,376	16,400
ILOCOS REGION	1,558,373	1,602,814	1,737,695	1,750,057	1,796,229	1,777,121	1,805,126	1,872,052	1,720,044	1,851,265
Ilocos Norte	301,934	306,726	315,712	318,444	308,317	313,089	309,488	329,744	281,562	329,693
Ilocos Sur	183,182	191,152	208,380	209,302	205,302	210,875	209,719	230,228	201,992	248,126
La Union	132,557	146,666	156,023	157,275	168,885	172,000	175,354	187,015	159,451	169,054
Pangasinan	940,700	958,270	1,057,580	1,065,036	1,113,725	1,081,157	1,110,565	1,125,065	1,077,039	1,104,392
CAGAYAN VALLEY	1,745,722	2,144,766	2,425,536	2,423,200	2,514,934	2,489,647	2,332,654	2,656,979	2,379,771	2,644,702
Batanes	..	..	103	13	86	73	13	74	70	75
Cagayan	616,321	784,622	875,721	829,737	895,580	884,334	764,303	1,006,120	832,941	905,594
Isabela	865,839	1,068,275	1,216,535	1,249,873	1,277,623	1,256,390	1,212,725	1,285,685	1,188,584	1,369,050
Nueva Vizcaya	200,572	218,446	241,956	253,755	252,896	269,120	269,824	273,517	270,070	270,001
Quirino	62,990	73,423	91,221	89,822	88,749	79,730	85,789	91,583	88,106	99,984
CENTRAL LUZON	2,958,415	2,616,083	3,220,607	3,409,468	3,765,150	3,304,310	3,342,883	3,634,807	3,615,115	3,730,180
Aurora	84,994	85,433	90,791	87,900	94,785	86,971	77,040	100,179	104,687	103,402
Bataan	131,610	123,511	134,960	140,067	155,056	151,610	122,393	136,269	130,490	116,964
Bulacan	298,376	227,607	351,307	366,927	372,110	351,437	360,237	378,088	365,689	368,658
Nueva Ecija	1,374,173	1,313,487	1,587,163	1,672,666	1,930,996	1,580,620	1,684,352	1,884,091	1,886,709	1,955,961
Pampanga	393,328	310,456	388,187	419,721	433,106	425,609	421,647	429,406	432,172	451,360
Tarlac	562,180	450,757	549,299	585,077	638,906	570,095	564,992	579,013	568,862	595,463
Zambales	113,754	104,832	118,900	137,110	140,191	137,968	112,222	127,761	126,506	138,372
CALABARZON	390,189	399,193	389,272	411,785	405,582	392,907	407,124	410,833	420,233	380,782
Batangas	53,423	49,569	43,206	52,198	46,375	40,009	39,797	42,246	47,310	44,983
Cavite	46,614	38,482	38,495	42,177	46,280	42,361	35,646	34,732	37,039	29,995
Laguna	123,127	126,108	120,953	128,905	130,904	133,138	130,808	129,358	131,336	149,545
Quezon	139,092	154,525	160,951	159,773	154,780	146,988	168,112	173,228	177,370	137,444
Rizal	27,933	30,509	25,667	28,732	27,243	30,411	32,761	31,269	27,179	18,815
MIMAROPA	857,532	981,669	1,030,606	1,033,942	1,081,878	1,081,833	1,080,408	1,159,830	1,230,988	1,195,197
Marinduque	21,453	24,654	17,757	17,364	15,069	15,889	16,038	21,932	17,101	11,526
Occidental Mindoro	290,962	322,645	334,114	335,839	346,525	362,514	357,837	339,989	374,223	347,849
Oriental Mindoro	308,469	360,400	375,206	391,866	413,508	392,213	383,608	420,465	435,709	420,002
Palawan	204,807	238,488	267,663	256,394	274,150	280,240	291,681	341,265	367,032	381,704
Romblon	31,841	35,482	35,866	32,479	32,626	30,977	31,244	36,179	36,923	34,116
BICOL REGION	1,081,078	1,070,917	1,173,307	1,243,241	1,258,147	1,264,448	1,275,492	1,335,077	1,350,438	1,192,904
Albay	182,472	201,037	206,808	220,980	225,700	204,345	201,811	204,824	206,019	188,013
Camarines Norte	72,815	77,188	85,526	92,411	95,784	89,615	89,909	107,099	110,850	93,458
Camarines Sur	568,327	520,322	563,749	601,480	583,797	658,548	666,413	683,385	689,722	612,987
Catanduanes	34,556	43,947	32,330	29,488	35,452	35,741	34,065	37,789	39,945	27,331
Masbate	112,609	113,441	154,463	168,653	180,173	147,754	149,871	158,832	156,032	147,660
Sorsogon	110,299	114,982	130,431	130,230	137,241	128,445	133,423	143,148	147,870	123,456
WESTERN VISAYAS	1,789,693	2,245,038	2,292,201	2,090,790	2,052,574	2,056,824	1,896,230	2,230,837	2,232,293	2,077,790
Aklan	103,625	126,657	129,645	135,293	104,712	106,329	101,471	121,797	106,608	94,163
Antique	211,466	287,036	273,468	286,622	280,084	285,203	274,929	293,098	307,458	312,708
Capiz	335,608	349,094	360,914	322,388	291,158	256,823	274,900	348,477	347,129	301,768
Negros Occidental	436,308	471,599	477,347	477,969	478,782	491,239	452,582	474,874	486,038	483,589
Guimaras	42,716	51,413	55,425	46,066	51,202	40,154	42,649	55,322	45,728	47,726
Iloilo	659,970	959,239	995,402	822,452	846,636	877,076	749,699	937,269	939,332	837,837
CENTRAL VISAYAS	270,449	322,862	327,120	347,697	338,822	336,194	231,982	325,209	309,459	223,087
Bohol	191,174	231,569	237,836	256,405	255,053	252,816	161,003	238,728	225,548	153,405
Cebu	15,315	16,938	16,935	17,660	16,765	14,291	13,546	14,514	13,898	11,409
Negros Oriental	61,053	71,220	69,663	71,173	64,612	66,393	55,744	69,305	67,590	56,885
Siquijor	2,907	3,135	2,686	2,459	2,392	2,694	1,689	2,662	2,423	1,388
EASTERN VISAYAS	964,145	984,017	994,972	989,794	982,596	955,709	954,844	945,565	946,877	900,246
Biliran	67,033	66,604	66,543	66,309	66,343	66,567	67,881	65,211	55,728	53,690
Eastern Samar	51,795	53,632	59,413	63,225	63,605	62,388	61,902	59,754	59,588	57,514
Leyte	522,901	526,762	521,115	502,746	502,146	489,405	473,580	481,487	486,878	463,786
Northern Samar	98,381	106,048	111,206	116,713	117,965	117,240	111,086	112,585	104,971	94,213
Southern Leyte	99,951	92,653	96,166	94,871	92,572	92,581	91,088	75,336	88,145	80,540
Samar	124,084	138,318	140,529	145,930	139,965	127,528	149,307	151,192	151,567	150,503
ZAMBOANGA PENINSULA	552,645	622,203	618,831	639,113	656,777	661,775	581,111	700,590	728,673	677,437
Zamboanga del Norte	85,061	98,184	96,868	116,808	114,392	125,065	85,815	104,810	132,312	105,399
Zamboanga del Sur	301,386	328,079	323,170	321,487	341,395	333,192	309,531	380,052	382,022	367,792
Zamboanga City	23,771	27,281	28,616	27,552	27,455	28,503	28,016	26,842	29,510	25,629
Zamboanga Sibugay	142,427	168,659	170,177	173,266	173,535	175,015	157,749	188,886	184,829	178,616
NORTHERN MINDANAO	586,442	610,990	637,348	674,903	713,764	725,120	711,284	745,733	761,400	761,139
Bukidnon	336,512	353,487	373,221	400,491	426,641	436,575	425,116	457,102	470,174	469,468
Camiguin	2,231	2,377	2,473	2,537	2,574	2,623	2,158	1,986	2,339	2,038
Lanao del Norte	144,755	152,247	158,407	165,327	171,770	173,586	179,003	179,510	180,855	182,351
Misamis Occidental	77,080	76,407	77,237	81,185	87,203	87,467	83,948	82,771	83,170	82,620
Misamis Oriental	25,864	26,472	26,010	25,363	25,576	24,869	21,059	24,365	24,864	24,662
DAVAO REGION	402,811	416,543	448,703	421,692	452,267	441,868	417,948	433,665	488,105	450,369
Davao del Norte	110,995	115,888	133,555	122,789	123,928	125,919	110,623	124,645	129,632	127,404
Davao del Sur	113,981	125,013	135,492	126,256	137,306	136,322	120,805	126,862	148,763	118,567
Davao City	14,198	15,214	15,847	16,644	16,493	14,237	13,594	14,389	15,392	13,630
Davao Oriental	60,387	62,706	62,046	61,463	65,205	69,443	69,152	67,632	71,206	71,446
Davao de Oro (Compostela Valley)	103,250	97,722	101,763	94,540	109,335	95,947	103,774	100,137	123,112	117,560
Davao Occidental	..	..	..	..	..	..	..	..	..	1,760
SOCCSKSARGEN	1,185,196	1,244,148	1,270,901	1,347,646	1,364,849	1,291,644	1,200,642	1,319,505	1,343,125	1,187,279
Cotabato (North Cotabato)	459,458	481,006	494,052	525,675	530,029	475,085	433,957	500,238	523,959	467,737
Sarangani	43,440	48,534	47,157	49,687	49,432	46,272	41,247	41,618	39,364	38,495
South Cotabato	289,223	310,410	309,941	329,429	344,892	337,445	307,464	358,563	348,806	304,298
Sultan Kudarat	393,075	404,198	419,751	442,855	440,496	432,842	417,974	419,086	430,996	376,749
CARAGA	405,871	416,997	469,205	583,838	574,499	481,312	462,182	482,675	510,071	449,370
Agusan del Norte	68,070	70,835	73,595	95,434	99,786	76,191	87,312	80,952	81,388	78,867
Agusan del Sur	175,333	195,010	240,381	305,171	292,019	233,526	222,420	247,353	258,979	214,124
Surigao del Norte	61,871	64,179	64,852	69,721	63,694	60,576	49,608	52,559	61,934	67,010
Surigao del Sur	91,888	80,380	84,550	106,585	112,493	104,883	96,942	94,752	99,916	83,316
Dinagat Islands	8,709	6,593	5,827	6,927	6,507	6,136	5,900	7,059	7,854	6,052
BARMM	623,343	576,873	542,760	612,083	557,149	488,215	544,486	577,984	638,397	674,761
Basilan	4,740	4,246	4,116	5,178	3,799	2,710	2,156	1,689	2,031	1,111
Lanao del Sur	177,760	170,950	186,680	189,853	164,117	149,354	137,666	181,662	199,964	190,040
Maguindanao	436,957	398,097	348,123	414,060	386,534	333,258	402,536	391,924	433,197	480,713
Sulu	2,925	2,622	2,945	2,349	2,050	2,402	1,850	2,456	3,170	2,646
Tawi-tawi	961	958	896	643	649	491	278	253	35	250

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.12.1
PALAY AND CORN: VOLUME OF PRODUCTION BY ECOSYSTEM/CROPTYPE & GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Irrigated Palay										
PHILIPPINES	**11,992,459**	**12,358,931**	**13,396,483**	**13,823,149**	**14,405,716**	**13,937,924**	**13,539,873**	**14,557,319**	**14,347,993**	**14,468,945**
CAR	335,343	364,657	385,958	394,671	389,732	345,847	334,494	389,558	349,285	363,372
Abra	51,656	53,373	55,219	54,639	52,363	47,320	44,332	48,119	42,945	57,228
Apayao	67,715	71,224	76,320	77,589	72,925	71,204	68,741	81,192	62,938	69,004
Benguet	13,843	14,038	14,560	15,295	15,201	15,905	15,588	17,816	17,590	18,078
Ifugao	58,482	60,202	60,660	61,566	61,263	61,551	59,102	60,591	58,384	52,000
Kalinga	129,611	151,020	163,961	168,616	171,213	136,463	133,565	167,849	153,133	153,100
Mountain Province	14,036	14,800	15,238	16,966	16,767	13,404	13,166	13,991	14,296	13,962
ILOCOS REGION	1,108,293	1,144,248	1,245,655	1,270,037	1,305,464	1,290,575	1,305,193	1,360,204	1,255,234	1,349,712
Ilocos Norte	251,805	257,121	264,071	268,106	260,937	266,451	261,892	279,471	236,377	279,869
Ilocos Sur	102,006	106,939	120,119	125,518	124,588	127,320	126,051	143,162	129,919	159,945
La Union	79,418	91,155	99,290	98,287	104,818	111,336	115,169	120,940	103,445	107,645
Pangasinan	675,064	689,033	762,175	778,126	815,121	785,468	802,081	816,631	785,493	802,253
CAGAYAN VALLEY	1,633,085	1,924,301	2,177,340	2,225,221	2,310,297	2,303,173	2,181,739	2,429,032	2,159,707	2,462,159
Batanes	..	..	4	4	9	3	1	-	-	-
Cagayan	548,071	645,666	727,269	726,371	767,655	768,404	676,619	856,840	690,568	794,319
Isabela	831,542	1,002,162	1,135,271	1,173,490	1,215,738	1,200,602	1,165,053	1,223,410	1,124,488	1,310,684
Nueva Vizcaya	192,367	208,545	229,271	241,263	244,824	259,144	258,649	263,474	261,789	261,956
Quirino	61,105	67,928	85,525	84,093	82,071	75,020	81,417	85,308	82,862	95,200
CENTRAL LUZON	2,712,810	2,386,583	2,939,815	3,093,762	3,423,053	3,059,780	3,114,840	3,342,794	3,346,165	3,504,637
Aurora	79,549	80,571	85,142	82,768	89,958	82,176	72,993	93,680	98,933	99,413
Bataan	129,557	121,627	133,389	138,256	152,624	149,562	121,095	134,787	129,062	115,585
Bulacan	235,294	190,734	291,355	307,236	308,408	292,908	311,737	313,224	308,404	311,063
Nueva Ecija	1,275,979	1,193,138	1,452,825	1,520,319	1,758,634	1,474,352	1,576,079	1,737,108	1,740,011	1,860,078
Pampanga	382,521	300,539	375,868	405,770	416,811	410,240	416,692	423,177	426,207	450,212
Tarlac	527,609	422,775	513,321	537,763	592,121	545,825	522,975	543,430	545,226	563,189
Zambales	82,301	77,199	87,915	101,650	104,497	104,717	93,269	97,388	98,322	105,098
CALABARZON	320,595	320,479	309,406	321,378	332,796	322,856	326,911	324,459	336,836	328,086
Batangas	39,133	37,983	34,236	37,409	33,819	32,196	30,072	30,524	32,390	32,780
Cavite	43,175	34,993	35,782	39,373	44,484	40,688	34,301	33,343	35,465	28,501
Laguna	121,511	124,500	119,114	127,498	130,383	132,837	130,596	129,142	130,359	148,970
Quezon	90,123	94,295	95,889	94,594	102,003	91,604	104,594	105,758	114,259	101,224
Rizal	26,653	28,708	24,385	22,504	22,107	25,531	27,348	25,692	24,363	16,612
MIMAROPA	594,515	666,073	711,572	726,402	779,339	791,572	791,547	845,481	895,044	858,673
Marinduque	8,534	9,735	7,390	8,098	7,206	7,508	8,196	12,291	9,105	7,685
Occidental Mindoro	201,929	215,950	227,453	233,258	237,388	252,496	246,490	239,592	258,095	230,373
Oriental Mindoro	249,624	287,901	311,254	325,999	356,563	345,219	336,078	364,153	377,321	363,328
Palawan	115,914	130,998	143,986	139,805	159,390	168,385	182,874	208,941	229,539	238,309
Romblon	18,514	21,489	21,489	19,242	18,792	17,964	17,909	20,504	20,984	18,978
BICOL REGION	791,987	735,577	815,197	872,206	881,474	923,012	918,904	955,709	971,552	869,719
Albay	147,111	159,599	165,703	179,205	183,787	170,430	170,595	175,189	177,659	168,769
Camarines Norte	52,681	51,842	56,364	62,149	61,313	59,925	60,298	69,631	72,594	63,315
Camarines Sur	461,725	394,503	434,964	464,196	461,297	529,138	521,988	539,115	546,469	488,526
Catanduanes	17,170	18,717	14,854	15,105	17,681	18,898	19,938	19,519	22,159	14,348
Masbate	23,930	26,218	45,413	51,919	53,387	42,500	40,080	44,796	42,905	40,681
Sorsogon	89,370	84,698	97,899	99,632	104,009	102,121	106,005	107,459	109,765	94,080
WESTERN VISAYAS	1,007,228	1,188,422	1,156,461	1,087,993	1,085,142	1,113,382	993,869	1,114,054	1,102,620	1,043,647
Aklan	61,936	66,450	70,517	74,014	57,547	59,118	57,935	71,591	62,205	51,412
Antique	131,307	183,984	175,255	181,521	182,435	183,861	174,426	182,215	191,613	195,655
Capiz	110,997	106,370	105,768	98,006	104,106	97,562	98,944	114,004	108,263	96,806
Negros Occidental	317,281	332,452	335,453	336,084	334,979	345,389	316,867	337,227	343,258	341,857
Guimaras	11,301	14,949	16,622	10,666	12,819	10,182	9,256	12,009	11,307	12,057
Iloilo	374,406	484,217	452,846	387,702	393,256	417,270	336,441	397,008	385,974	345,861
CENTRAL VISAYAS	175,798	205,841	208,926	223,090	215,066	217,166	166,024	216,966	209,718	156,774
Bohol	106,274	129,727	134,055	145,861	145,083	145,601	104,476	143,303	139,470	98,137
Cebu	14,512	15,797	15,688	16,493	15,695	13,763	13,135	13,786	12,880	10,739
Negros Oriental	52,313	57,524	56,693	58,457	52,089	55,262	46,724	57,501	55,121	46,576
Siquijor	2,699	2,793	2,490	2,279	2,199	2,540	1,689	2,376	2,247	1,322
EASTERN VISAYAS	562,586	568,222	570,250	554,227	550,832	549,640	542,684	532,995	532,732	523,000
Biliran	66,492	66,255	66,282	66,063	66,144	66,368	67,704	65,160	55,728	53,690
Eastern Samar	12,092	15,735	17,895	19,807	19,985	19,248	19,409	18,848	18,054	17,979
Leyte	363,440	371,612	367,956	349,196	347,760	347,963	339,089	346,354	350,240	347,539
Northern Samar	15,726	15,109	14,459	15,484	15,740	15,714	15,231	15,269	10,324	10,730
Southern Leyte	88,995	82,279	86,286	86,220	84,168	84,614	84,036	70,571	82,406	76,472
Samar	15,841	17,232	17,372	17,457	17,035	15,733	17,215	16,793	15,980	16,590
ZAMBOANGA PENINSULA	376,603	408,745	401,351	409,538	424,100	424,822	381,776	453,535	445,997	441,594
Zamboanga del Norte	43,912	47,416	51,560	58,929	57,792	62,661	41,363	57,092	67,710	57,836
Zamboanga del Sur	246,307	268,150	253,588	252,834	268,786	260,713	246,146	290,905	269,315	279,046
Zamboanga City	18,056	19,643	20,574	19,733	19,814	21,886	20,846	19,392	22,276	20,235
Zamboanga Sibugay	68,328	73,536	75,629	78,042	77,708	79,562	73,422	86,146	86,696	84,477
NORTHERN MINDANAO	535,695	551,111	574,426	609,684	643,114	655,526	647,705	672,083	685,437	686,013
Bukidnon	311,594	322,019	340,441	364,490	386,817	396,354	389,385	410,606	420,907	419,246
Camiguin	2,219	2,365	2,461	2,528	2,571	2,620	2,157	1,986	2,339	2,038
Lanao del Norte	124,794	130,085	134,335	142,944	148,184	151,226	157,337	159,000	159,315	162,110
Misamis Occidental	72,268	71,576	72,270	75,477	81,443	81,779	78,603	77,226	79,107	78,801
Misamis Oriental	24,820	25,066	24,919	24,245	24,099	23,547	20,223	23,265	23,771	23,818
DAVAO REGION	367,215	378,753	405,435	377,302	406,793	409,053	385,528	393,250	443,089	407,499
Davao del Norte	104,274	108,480	125,155	112,049	113,764	118,745	103,823	116,086	120,566	118,135
Davao del Sur	112,655	124,568	134,967	125,478	136,431	135,441	120,210	125,656	147,416	118,567
Davao City	9,553	9,549	10,275	11,359	11,054	10,499	11,074	11,026	11,325	10,337
Davao Oriental	49,942	52,360	49,854	49,533	52,069	59,633	59,460	56,177	59,942	60,315
Davao de Oro (Compostela Valley)	90,791	83,796	85,184	78,883	93,475	84,735	90,961	84,305	103,840	98,893
Davao Occidental	..	..	..	..	..	..	..	..	..	1,252
SOCCSKSARGEN	985,124	1,017,609	1,028,961	1,101,859	1,115,486	1,069,446	1,003,147	1,101,570	1,122,010	1,008,193
Cotabato (North Cotabato)	357,187	367,939	375,602	413,326	418,669	377,350	348,735	402,130	419,615	385,328
Sarangani	30,176	34,840	33,616	37,838	36,964	34,364	31,733	33,049	31,660	31,772
South Cotabato	255,755	268,258	265,021	279,787	292,688	292,233	265,219	306,390	302,318	267,260
Sultan Kudarat	342,006	346,572	354,722	370,908	367,165	365,499	357,460	360,001	368,417	323,833
CARAGA	282,251	281,702	297,475	353,868	355,957	308,837	311,108	306,385	334,428	289,994
Agusan del Norte	52,830	56,148	59,683	76,453	79,300	61,438	72,762	66,210	66,036	65,756
Agusan del Sur	109,804	110,651	126,499	147,264	145,525	124,672	123,306	132,396	143,731	111,011
Surigao del Norte	44,270	48,084	50,053	52,581	48,714	44,671	38,972	38,674	45,525	48,938
Surigao del Sur	68,910	61,719	56,867	72,640	77,720	73,690	71,824	64,151	73,636	60,286
Dinagat Islands	6,437	5,100	4,373	4,930	4,698	4,366	4,244	4,954	5,500	4,003
BARMM	203,331	216,608	168,256	201,911	187,071	153,237	134,403	119,244	158,140	175,872
Basilan	3,020	2,797	3,146	4,789	3,397	2,360	2,002	1,446	1,739	946
Lanao del Sur	59,864	52,399	54,190	58,784	67,191	37,028	33,282	48,763	48,117	52,848
Maguindanao	140,292	161,187	110,620	138,043	116,483	113,549	98,919	68,735	107,874	121,658
Sulu	155	225	300	295	..	300	200	300	410	420
Tawi-tawi	..	..	..	..	..	..	..	-	-	-

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.12.1
PALAY AND CORN: VOLUME OF PRODUCTION BY ECOSYSTEM/CROPTYPE & GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfed Palay										
PHILIPPINES	**3,779,860**	**4,325,131**	**4,636,042**	**4,616,270**	**4,562,110**	**4,211,913**	**4,087,371**	**4,719,028**	**4,718,101**	**4,345,883**
CAR	65,072	64,292	67,503	65,499	62,877	55,064	48,354	55,448	41,820	54,948
Abra	25,955	27,055	27,114	24,805	23,137	19,396	20,827	21,358	19,175	25,202
Apayao	28,974	27,265	29,571	29,152	28,233	25,249	17,689	22,143	13,408	17,814
Benguet	1,937	1,752	2,136	2,196	2,154	2,239	2,557	2,460	2,328	2,370
Ifugao	1,868	1,701	1,805	1,813	1,813	1,811	1,764	1,796	1,693	1,939
Kalinga	4,655	4,875	4,893	5,396	5,316	4,631	4,219	5,443	3,136	5,185
Mountain Province	1,683	1,644	1,984	2,137	2,224	1,738	1,298	2,248	2,080	2,438
ILOCOS REGION	450,080	458,566	492,040	480,020	490,765	486,546	499,933	511,848	464,810	501,553
Ilocos Norte	50,129	49,605	51,641	50,338	47,380	46,638	47,596	50,273	45,185	49,824
Ilocos Sur	81,176	84,213	88,261	83,784	80,714	83,555	83,668	87,066	72,073	88,181
La Union	53,139	55,511	56,733	58,988	64,067	60,664	60,185	66,075	56,006	61,409
Pangasinan	265,636	269,237	295,405	286,910	298,604	295,689	308,484	308,434	291,546	302,139
CAGAYAN VALLEY	112,637	220,465	248,197	197,979	204,637	186,474	150,915	227,947	220,064	182,544
Batanes	..	..	100	9	77	70	12	74	70	75
Cagayan	68,250	138,956	148,452	103,366	127,925	115,930	87,684	149,280	142,373	111,275
Isabela	34,297	66,113	81,264	76,383	61,885	55,788	47,672	62,275	64,096	58,366
Nueva Vizcaya	8,205	9,901	12,685	12,492	8,072	9,976	11,175	10,043	8,281	8,045
Quirino	1,885	5,495	5,696	5,729	6,678	4,710	4,372	6,275	5,244	4,784
CENTRAL LUZON	245,605	229,500	280,792	315,706	342,097	244,530	228,043	292,013	268,950	225,543
Aurora	5,445	4,862	5,649	5,132	4,827	4,795	4,047	6,499	5,754	3,989
Bataan	2,053	1,884	1,571	1,811	2,432	2,048	1,298	1,482	1,428	1,379
Bulacan	63,082	36,873	59,952	59,691	63,702	58,529	48,500	64,864	57,285	57,596
Nueva Ecija	98,194	120,349	134,338	152,347	172,362	106,268	108,273	146,983	146,698	95,883
Pampanga	10,807	9,917	12,319	13,951	16,295	15,369	4,955	6,229	5,965	1,148
Tarlac	34,571	27,982	35,978	47,314	46,785	24,270	42,017	35,583	23,636	32,274
Zambales	31,453	27,633	30,985	35,460	35,694	33,251	18,953	30,373	28,184	33,274
CALABARZON	69,594	78,714	79,866	90,407	72,786	70,051	80,213	86,374	83,398	52,695
Batangas	14,290	11,586	8,970	14,789	12,556	7,813	9,725	11,722	14,919	12,203
Cavite	3,439	3,489	2,713	2,804	1,796	1,673	1,345	1,389	1,573	1,494
Laguna	1,616	1,608	1,839	1,407	521	301	212	216	977	576
Quezon	48,969	60,230	65,062	65,179	52,777	55,384	63,518	67,470	63,111	36,220
Rizal	1,280	1,801	1,282	6,228	5,136	4,880	5,413	5,577	2,816	2,204
MIMAROPA	263,017	315,596	319,034	307,540	302,539	290,261	288,861	314,349	335,944	336,524
Marinduque	12,919	14,919	10,367	9,266	7,863	8,381	7,842	9,641	7,996	3,841
Occidental Mindoro	89,033	106,695	106,661	102,581	109,137	110,018	111,347	100,397	116,128	117,476
Oriental Mindoro	58,845	72,499	63,952	65,867	56,945	46,994	47,530	56,312	58,388	56,674
Palawan	88,893	107,490	123,677	116,589	114,760	111,855	108,807	132,324	137,493	143,395
Romblon	13,327	13,993	14,377	13,237	13,834	13,013	13,335	15,675	15,939	15,138
BICOL REGION	289,091	335,340	358,110	371,035	376,673	341,436	356,588	379,368	378,887	323,185
Albay	35,361	41,438	41,105	41,775	41,913	33,915	31,216	29,635	28,361	19,244
Camarines Norte	20,134	25,346	29,162	30,262	34,471	29,690	29,611	37,468	38,256	30,143
Camarines Sur	106,602	125,819	128,785	137,284	122,500	129,410	144,425	144,270	143,253	124,461
Catanduanes	17,386	25,230	17,476	14,383	17,771	16,843	14,127	18,270	17,785	12,983
Masbate	88,679	87,223	109,050	116,734	126,786	105,254	109,791	114,036	113,127	106,978
Sorsogon	20,929	30,284	32,532	30,598	33,232	26,324	27,418	35,689	38,105	29,376
WESTERN VISAYAS	782,465	1,056,616	1,135,740	1,002,797	967,432	943,442	902,361	1,116,783	1,129,672	1,034,143
Aklan	41,689	60,207	59,128	61,279	47,165	47,211	43,536	50,206	44,403	42,751
Antique	80,159	103,052	98,213	105,101	97,649	101,342	100,503	110,883	115,845	117,053
Capiz	224,611	242,724	255,146	224,382	187,052	159,261	175,956	234,473	238,866	204,962
Negros Occidental	119,027	139,147	141,894	141,885	143,803	145,850	135,715	137,647	142,780	141,732
Guimaras	31,415	36,464	38,803	35,400	38,383	29,972	33,393	43,313	34,421	35,669
Iloilo	285,564	475,022	542,556	434,750	453,380	459,806	413,258	540,261	553,358	491,976
CENTRAL VISAYAS	94,651	117,021	118,194	124,607	123,756	119,028	65,958	108,243	99,741	66,313
Bohol	84,900	101,842	103,781	110,544	109,970	107,215	56,527	95,425	86,078	55,268
Cebu	803	1,141	1,247	1,167	1,070	528	411	728	1,018	670
Negros Oriental	8,740	13,696	12,970	12,716	12,523	11,131	9,020	11,804	12,469	10,309
Siquijor	208	342	196	180	193	154	..	286	176	66
EASTERN VISAYAS	401,559	415,795	424,722	435,567	431,764	406,069	412,160	412,570	414,145	377,245
Biliran	541	349	261	246	199	199	177	51	-	-
Eastern Samar	39,703	37,897	41,518	43,418	43,620	43,140	42,493	40,906	41,534	39,535
Leyte	159,461	155,150	153,159	153,550	154,386	141,442	134,491	135,133	136,638	116,246
Northern Samar	82,655	90,939	96,747	101,229	102,225	101,526	95,855	97,316	94,647	83,483
Southern Leyte	10,956	10,374	9,880	8,651	8,404	7,967	7,052	4,765	5,739	4,068
Samar	108,243	121,086	123,157	128,473	122,930	111,795	132,092	134,399	135,587	133,913
ZAMBOANGA PENINSULA	176,042	213,458	217,480	229,575	232,677	236,953	199,335	247,055	282,677	235,843
Zamboanga del Norte	41,149	50,768	45,308	57,879	56,600	62,404	44,452	47,718	64,602	47,563
Zamboanga del Sur	55,079	59,929	69,582	68,653	72,609	72,479	63,385	89,147	112,707	88,746
Zamboanga City	5,715	7,638	8,042	7,819	7,641	6,617	7,170	7,450	7,235	5,394
Zamboanga Sibugay	74,099	95,123	94,548	95,224	95,827	95,453	84,328	102,740	98,133	94,140
NORTHERN MINDANAO	50,747	59,879	62,922	65,219	70,650	69,594	63,579	73,651	75,963	75,125
Bukidnon	24,918	31,468	32,780	36,001	39,824	40,221	35,731	46,496	49,267	50,222
Camiguin	12	12	12	9	3	3	1	-	-	-
Lanao del Norte	19,961	22,162	24,072	22,383	23,586	22,360	21,666	20,510	21,540	20,241
Misamis Occidental	4,812	4,831	4,967	5,708	5,760	5,688	5,345	5,545	4,063	3,819
Misamis Oriental	1,044	1,406	1,091	1,118	1,477	1,322	836	1,100	1,093	844
DAVAO REGION	35,596	37,790	43,268	44,390	45,474	32,815	32,420	40,415	45,016	42,870
Davao del Norte	6,721	7,408	8,400	10,740	10,164	7,174	6,800	8,559	9,066	9,269
Davao del Sur	1,326	445	525	778	875	881	595	1,206	1,347	-
Davao City	4,645	5,665	5,572	5,285	5,439	3,738	2,520	3,363	4,067	3,294
Davao Oriental	10,445	10,346	12,192	11,930	13,136	9,810	9,692	11,455	11,264	11,131
Davao de Oro (Compostela Valley)	12,459	13,926	16,579	15,657	15,860	11,212	12,813	15,832	19,272	18,667
Davao Occidental	..	..	..	..	..	..	..	..	..	508
SOCCSKSARGEN	200,072	226,539	241,940	245,787	249,363	222,198	197,495	217,935	221,115	179,086
Cotabato (North Cotabato)	102,271	113,067	118,450	112,349	111,360	97,735	85,222	98,108	104,344	82,409
Sarangani	13,264	13,694	13,541	11,849	12,468	11,908	9,514	8,569	7,704	6,723
South Cotabato	33,468	42,152	44,920	49,642	52,204	45,212	42,245	52,173	46,488	37,038
Sultan Kudarat	51,069	57,626	65,029	71,947	73,331	67,343	60,514	59,085	62,579	52,916
CARAGA	123,620	135,295	171,730	229,970	218,542	172,475	151,074	176,290	175,643	159,376
Agusan del Norte	15,240	14,687	13,912	18,981	20,486	14,753	14,550	14,742	15,352	13,111
Agusan del Sur	65,529	84,359	113,882	157,907	146,494	108,854	99,114	114,957	115,248	103,113
Surigao del Norte	17,601	16,095	14,799	17,140	14,980	15,905	10,636	13,885	16,409	18,072
Surigao del Sur	22,978	18,661	27,683	33,945	34,773	31,193	25,118	30,601	26,280	23,031
Dinagat Islands	2,272	1,493	1,454	1,997	1,809	1,770	1,656	2,105	2,354	2,049
BARMM	420,012	360,265	374,504	410,172	370,078	334,978	410,083	458,740	480,256	498,889
Basilan	1,720	1,449	970	389	402	350	154	243	292	166
Lanao del Sur	117,896	118,551	132,490	131,069	96,926	112,326	104,384	132,899	151,847	137,192
Maguindanao	296,665	236,910	237,503	276,017	270,051	219,709	303,617	323,189	325,323	359,055
Sulu	2,770	2,397	2,645	2,054	2,050	2,102	1,650	2,156	2,760	2,226
Tawi-tawi	961	958	896	643	649	491	278	253	35	250

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.12.1
PALAY AND CORN: VOLUME OF PRODUCTION BY ECOSYSTEM/CROPTYPE & GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Corn										
PHILIPPINES	**6,376,796**	**6,971,221**	**7,407,068**	**7,377,293**	**7,770,603**	**7,518,756**	**7,218,817**	**7,914,908**	**7,771,919**	**7,978,845**
CAR	172,195	218,788	225,135	242,074	244,576	237,823	199,355	242,850	207,439	232,351
Abra	12,102	15,841	16,139	16,153	16,618	16,170	16,152	16,262	16,167	16,209
Apayao	16,666	22,946	26,001	32,748	32,211	31,885	29,323	35,986	26,281	25,741
Benguet	38	34	34	36	37	37	42	40	348	453
Ifugao	84,285	93,847	97,183	106,449	119,409	111,658	93,265	103,540	98,072	109,728
Kalinga	46,112	65,505	64,166	64,944	54,975	53,771	44,145	63,076	43,346	56,474
Mountain Province	12,992	20,615	21,612	21,744	21,326	24,302	16,428	23,946	23,225	23,745
ILOCOS REGION	358,445	387,882	434,720	447,503	476,741	490,943	508,024	556,462	560,885	574,852
Ilocos Norte	53,553	52,157	53,698	55,731	58,382	60,898	61,424	62,672	64,592	65,123
Ilocos Sur	55,341	63,579	69,447	73,267	76,508	78,711	83,765	89,485	99,476	112,674
La Union	19,030	23,076	26,395	28,898	32,166	32,216	31,644	38,440	38,927	39,585
Pangasinan	230,521	249,070	285,180	289,607	309,685	319,118	331,191	365,865	357,890	357,470
CAGAYAN VALLEY	1,263,614	1,601,687	1,875,623	1,713,891	1,856,715	1,801,194	1,678,813	1,837,480	1,625,325	1,866,918
Batanes	..	..	238	217	397	219	178	246	236	209
Cagayan	261,240	371,800	432,333	361,171	431,235	456,344	405,570	499,775	368,946	492,627
Isabela	863,899	1,049,954	1,209,524	1,177,200	1,175,322	1,118,942	1,043,743	1,097,314	1,015,643	1,135,479
Nueva Vizcaya	43,389	58,966	66,705	59,488	73,342	74,180	67,275	77,491	75,429	73,813
Quirino	95,086	120,967	166,823	115,815	176,419	151,509	162,047	162,654	165,072	164,791
CENTRAL LUZON	197,890	188,494	210,574	227,765	240,870	271,319	259,546	258,746	271,945	284,715
Aurora	18,395	13,386	21,146	21,527	22,583	23,696	26,403	22,557	17,133	15,865
Bataan	9,361	8,814	7,230	10,753	7,391	9,555	8,380	7,424	6,991	6,931
Bulacan	2,532	2,267	2,580	3,270	3,666	4,684	3,975	4,096	5,959	5,008
Nueva Ecija	15,103	15,135	19,352	24,435	25,804	33,071	31,930	38,459	38,964	51,360
Pampanga	49,447	47,478	49,021	54,331	58,157	60,487	62,360	60,805	64,618	71,218
Tarlac	102,666	100,888	110,633	112,107	122,226	138,616	124,800	124,368	134,945	131,507
Zambales	386	526	612	1,342	1,043	1,210	1,698	1,037	3,335	2,826
CALABARZON	60,209	57,557	58,657	75,165	74,329	64,823	96,821	92,762	91,418	69,787
Batangas	24,280	21,187	15,323	22,918	21,350	12,354	15,371	14,794	12,725	13,877
Cavite	1,944	2,497	2,559	2,654	1,704	2,323	1,765	2,130	1,957	1,635
Laguna	2,708	2,622	2,864	2,804	2,249	3,543	3,842	4,291	4,819	5,278
Quezon	30,333	30,271	36,776	45,449	47,366	44,622	75,095	69,625	69,905	47,368
Rizal	944	980	1,135	1,340	1,660	1,981	748	1,922	2,012	1,629
MIMAROPA	67,712	84,173	87,223	104,678	107,723	125,492	114,604	121,098	130,146	106,940
Marinduque	147	160	149	267	164	312	278	393	243	449
Occidental Mindoro	57,098	59,478	67,621	85,500	84,827	100,185	86,988	92,120	101,304	78,605
Oriental Mindoro	444	1,280	822	1,272	3,824	4,808	5,685	5,713	5,510	3,609
Palawan	9,084	22,527	17,873	16,909	18,272	19,517	20,566	21,421	21,418	22,825
Romblon	939	728	758	730	636	670	1,087	1,451	1,671	1,452
BICOL REGION	174,479	215,025	230,545	258,115	285,647	243,908	259,375	287,005	279,732	248,243
Albay	49,391	51,500	57,556	59,436	60,665	53,469	58,775	56,130	51,895	40,038
Camarines Norte	797	1,446	1,617	1,800	1,558	2,048	2,138	2,297	2,416	1,681
Camarines Sur	85,667	125,730	136,233	161,863	187,260	153,320	161,904	187,432	187,143	167,260
Catanduanes	226	243	261	322	373	555	538	1,658	1,282	879
Masbate	38,313	36,056	34,692	34,470	35,397	33,987	35,440	39,086	36,524	37,885
Sorsogon	85	50	186	224	394	529	580	402	472	501
WESTERN VISAYAS	247,997	309,915	330,782	345,527	368,404	350,391	283,671	301,286	310,839	313,975
Aklan	795	2,817	1,857	3,158	2,661	2,431	2,688	3,004	3,626	3,717
Antique	1,720	4,749	5,502	4,538	5,370	4,248	4,533	6,219	8,821	9,778
Capiz	41,550	47,083	50,798	52,658	59,066	62,915	56,241	56,299	65,690	68,636
Negros Occidental	81,088	89,712	96,067	109,749	151,637	137,029	130,167	146,742	152,900	157,155
Guimaras	703	715	613	626	923	637	796	1,111	2,461	1,146
Iloilo	122,141	164,839	175,945	174,798	148,747	143,131	89,246	87,911	77,341	73,544
CENTRAL VISAYAS	178,413	177,297	172,138	173,225	164,197	150,051	156,729	146,470	127,602	105,584
Bohol	12,905	11,954	11,611	12,703	12,363	11,904	11,736	10,764	11,216	11,110
Cebu	98,844	95,503	90,518	91,059	86,517	84,300	84,346	78,209	69,711	46,837
Negros Oriental	60,402	63,721	64,535	63,949	60,576	48,718	55,850	52,258	43,340	45,574
Siquijor	6,262	6,119	5,474	5,514	4,741	5,129	4,797	5,239	3,335	2,063
EASTERN VISAYAS	90,215	83,992	87,333	89,327	88,162	91,145	81,603	73,481	74,197	74,220
Biliran	722	733	745	729	748	747	752	703	635	592
Eastern Samar	559	534	593	571	609	640	456	595	615	491
Leyte	59,441	52,427	55,392	58,175	58,601	62,238	53,955	47,442	48,300	50,089
Northern Samar	12,774	13,779	14,352	14,800	15,351	15,204	14,922	14,427	13,182	12,625
Southern Leyte	7,590	7,321	7,118	5,809	5,631	5,149	4,205	3,153	2,668	2,116
Samar	9,129	9,198	9,133	9,243	7,222	7,167	7,313	7,161	8,797	8,307
ZAMBOANGA PENINSULA	195,349	200,091	211,331	207,787	223,342	220,180	258,951	234,455	258,910	184,637
Zamboanga del Norte	41,161	31,475	30,352	38,247	55,490	42,719	56,860	58,552	61,648	49,865
Zamboanga del Sur	125,186	141,189	154,724	142,238	137,204	144,596	164,625	134,013	155,964	94,793
Zamboanga City	9,049	9,769	10,384	11,389	13,105	13,486	14,079	13,895	16,174	15,975
Zamboanga Sibugay	19,953	17,658	15,871	15,913	17,543	19,379	23,388	27,995	25,124	24,004
NORTHERN MINDANAO	1,153,239	1,212,208	1,228,754	1,185,036	1,196,542	1,216,302	1,223,116	1,287,303	1,289,538	1,312,926
Bukidnon	777,642	810,054	845,514	804,487	805,845	821,380	802,065	844,368	858,484	860,366
Camiguin	495	508	550	516	436	376	361	567	795	714
Lanao del Norte	232,986	244,669	223,899	221,899	220,483	232,668	254,779	267,310	264,427	284,384
Misamis Occidental	49,541	48,785	49,438	50,455	57,641	55,834	56,105	58,415	56,800	56,714
Misamis Oriental	92,575	108,192	109,353	107,679	112,137	106,044	109,806	116,643	109,032	110,748
DAVAO REGION	202,354	191,213	198,627	227,013	280,293	224,100	219,089	256,735	274,675	244,810
Davao del Norte	23,531	22,595	21,648	20,697	26,272	20,135	18,682	24,874	25,183	25,093
Davao del Sur	56,473	57,687	63,302	85,722	111,515	96,308	83,854	98,448	100,571	41,734
Davao City	20,880	20,444	19,774	24,444	26,860	24,015	22,406	23,569	24,053	23,036
Davao Oriental	53,064	44,794	43,777	48,976	47,217	37,783	44,208	55,807	55,761	52,837
Davao de Oro (Compostela Valley)	48,406	45,693	50,126	47,174	68,429	45,859	49,939	54,037	69,106	61,465
Davao Occidental	..	..	..	..	..	..	..	..	..	40,646
SOCCSKSARGEN	1,064,448	1,170,554	1,201,331	1,305,607	1,338,065	1,239,275	1,144,010	1,257,177	1,231,074	1,108,187
Cotabato (North Cotabato)	325,173	379,947	385,478	414,394	414,630	369,766	317,336	343,070	355,917	294,569
Sarangani	124,405	134,949	145,479	163,069	169,456	153,288	136,363	151,274	144,807	138,213
South Cotabato	412,832	428,718	435,981	472,945	500,738	472,567	452,607	496,459	463,451	429,901
Sultan Kudarat	202,038	226,940	234,393	255,199	253,241	243,654	237,704	266,374	266,899	245,504
CARAGA	94,571	75,684	89,521	107,476	125,406	118,774	144,529	119,980	135,627	135,727
Agusan del Norte	8,907	9,750	9,840	13,018	15,153	16,370	24,856	19,276	18,735	9,217
Agusan del Sur	77,849	60,357	70,673	82,921	97,864	93,791	109,559	88,507	101,487	112,863
Surigao del Norte	1,332	924	725	1,096	1,558	1,386	983	895	1,046	1,550
Surigao del Sur	6,470	4,646	8,267	10,422	10,768	7,105	8,916	11,004	13,975	11,810
Dinagat Islands	13	7	16	19	63	122	215	298	384	287
BARMM	855,666	796,661	764,774	667,104	699,591	673,036	590,580	841,618	902,567	1,114,973
Basilan	316	344	338	160	186	197	165	186	232	80
Lanao del Sur	296,070	281,718	269,458	280,023	232,513	241,671	238,625	370,425	360,782	464,837
Maguindanao	556,558	512,078	492,737	384,912	464,984	429,164	350,133	469,162	539,717	647,835
Sulu	1,025	1,064	1,021	1,042	1,104	1,167	1,037	1,185	1,392	1,287
Tawi-tawi	1,697	1,457	1,220	967	804	837	620	660	444	934

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.12.1
PALAY AND CORN: VOLUME OF PRODUCTION BY ECOSYSTEM/CROPTYPE & GEOLOCATION *(continued)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White Corn										
PHILIPPINES	**2,169,103**	**2,150,222**	**2,165,548**	**2,129,091**	**2,262,234**	**2,134,673**	**2,022,508**	**2,104,201**	**2,145,306**	**2,070,887**
CAR	15,677	20,147	20,345	20,256	20,680	19,871	17,993	17,888	16,673	16,192
Abra	11,193	14,937	15,260	15,278	15,733	15,333	15,287	15,397	15,302	15,343
Apayao	835	1,351	1,057	997	918	922	840	984	706	438
Benguet	33	31	31	33	34	34	30	30	19	39
Ifugao	1,527	1,395	1,765	1,747	1,830	1,768	760	222	280	74
Kalinga	1,802	2,184	1,933	1,912	1,860	1,724	1,016	1,068	323	274
Mountain Province	287	249	299	289	305	90	60	187	43	25
ILOCOS REGION	47,413	52,753	51,461	52,737	51,094	48,202	45,921	47,717	47,960	43,827
Ilocos Norte	15,068	14,040	14,290	15,718	13,957	13,284	12,801	12,358	11,949	12,174
Ilocos Sur	8,361	8,970	8,878	11,364	10,991	10,156	9,674	11,037	11,887	12,402
La Union	7,773	8,621	7,448	7,954	9,406	9,114	7,497	8,645	7,979	7,937
Pangasinan	16,211	21,122	20,845	17,701	16,740	15,648	15,949	15,677	16,145	11,314
CAGAYAN VALLEY	50,907	56,787	66,645	53,933	46,489	43,846	38,071	34,129	34,913	34,044
Batanes	..	..	44	35	59	42	27	37	33	31
Cagayan	18,276	25,819	35,675	31,238	27,133	27,255	23,321	15,618	12,707	13,809
Isabela	28,897	25,768	26,401	19,094	14,488	11,998	10,472	14,202	18,401	15,500
Nueva Vizcaya	3,294	4,507	3,982	3,180	4,201	3,979	3,555	2,614	2,300	2,357
Quirino	440	693	543	386	608	572	696	1,658	1,472	2,347
CENTRAL LUZON	22,948	21,321	24,238	29,340	29,450	32,014	31,216	37,188	41,041	40,894
Aurora	717	421	792	934	1,445	2,003	2,189	2,278	2,050	1,296
Bataan	1,836	1,571	1,214	1,878	1,493	1,814	1,678	1,602	1,413	1,449
Bulacan	2,423	2,170	2,480	3,166	3,552	4,348	3,818	4,096	5,959	5,008
Nueva Ecija	10,045	9,738	11,861	12,268	12,872	13,229	13,624	19,215	19,600	20,444
Pampanga	7,064	6,120	6,648	7,432	7,790	8,095	7,212	7,517	8,024	9,858
Tarlac	718	1,152	1,083	3,323	2,011	1,951	2,229	2,212	2,328	2,210
Zambales	145	149	160	339	287	574	466	268	1,667	629
CALABARZON	35,665	32,717	30,090	36,217	30,936	25,402	30,867	29,998	26,662	23,914
Batangas	18,551	16,982	10,018	16,677	16,250	8,266	10,408	12,617	8,107	10,720
Cavite	905	1,567	1,511	1,554	684	1,198	1,438	1,548	1,409	1,401
Laguna	2,265	2,118	2,297	2,120	1,455	1,452	2,155	2,664	3,093	3,677
Quezon	13,757	11,759	15,677	15,242	11,788	13,466	16,577	12,717	13,707	7,580
Rizal	187	291	587	624	759	1,020	289	452	346	537
MIMAROPA	10,654	14,438	14,238	15,463	16,345	16,407	17,287	17,597	15,449	15,726
Marinduque	134	160	149	267	164	157	227	248	110	304
Occidental Mindoro	6,852	6,879	7,160	8,350	7,893	8,932	9,022	9,138	8,446	8,155
Oriental Mindoro	143	148	52	150	485	660	690	477	709	439
Palawan	2,732	6,694	6,189	5,966	7,167	6,027	6,410	6,684	5,145	5,696
Romblon	793	557	688	730	636	631	938	1,050	1,039	1,132
BICOL REGION	45,564	47,208	47,714	49,177	57,440	55,472	57,685	64,960	65,026	62,221
Albay	2,980	2,220	2,316	3,071	3,874	4,375	5,788	4,698	4,577	3,963
Camarines Norte	500	919	1,041	1,223	1,076	1,438	1,475	1,557	1,650	1,140
Camarines Sur	5,588	8,246	9,595	11,813	18,128	16,601	15,842	20,144	22,715	19,992
Catanduanes	167	172	164	198	219	314	312	939	812	565
Masbate	36,274	35,612	34,476	32,719	33,877	32,552	33,908	37,358	34,989	36,248
Sorsogon	55	39	122	153	266	192	360	264	283	313
WESTERN VISAYAS	54,249	67,512	74,727	79,528	100,638	95,509	80,871	88,771	87,729	86,462
Aklan	202	224	485	1,065	761	757	598	526	680	718
Antique	252	479	568	518	586	515	472	509	725	931
Capiz	428	462	653	599	1,613	845	782	923	975	1,075
Negros Occidental	35,278	39,397	41,812	44,744	70,173	68,408	62,694	72,657	73,222	72,795
Guimaras	387	565	537	473	605	425	351	695	752	703
Iloilo	17,702	26,385	30,672	32,129	26,900	24,559	15,974	13,461	11,375	10,240
CENTRAL VISAYAS	176,985	176,025	171,387	170,026	162,158	148,672	154,614	143,565	124,555	103,642
Bohol	12,708	11,837	11,522	12,193	11,708	11,888	11,732	10,722	11,040	10,833
Cebu	97,935	94,734	90,122	89,323	85,933	83,449	82,817	75,892	67,611	45,618
Negros Oriental	60,142	63,398	64,323	63,253	59,779	48,215	55,268	51,712	42,569	45,128
Siquijor	6,200	6,056	5,420	5,257	4,738	5,120	4,797	5,239	3,335	2,063
EASTERN VISAYAS	77,580	71,228	74,160	76,102	74,783	77,741	68,966	64,535	66,539	67,254
Biliran	494	497	507	497	512	512	516	465	449	434
Eastern Samar	281	261	294	303	307	325	258	330	341	275
Leyte	52,396	45,710	48,374	50,995	51,221	54,733	47,006	43,504	45,209	47,251
Northern Samar	9,520	10,064	10,537	10,890	11,340	11,262	11,068	11,072	10,507	10,156
Southern Leyte	6,889	6,641	6,431	5,282	5,112	4,621	3,728	2,742	2,268	1,795
Samar	8,000	8,055	8,017	8,135	6,291	6,288	6,390	6,422	7,766	7,344
ZAMBOANGA PENINSULA	163,986	149,950	167,571	174,905	193,017	185,359	217,648	192,226	211,330	146,879
Zamboanga del Norte	35,735	26,494	28,586	36,533	53,600	39,384	53,110	55,116	54,381	45,054
Zamboanga del Sur	104,115	101,710	120,078	118,158	116,272	121,420	135,490	106,492	124,999	72,506
Zamboanga City	5,535	5,252	4,899	5,968	7,267	6,983	7,831	7,650	10,365	8,603
Zamboanga Sibugay	18,601	16,494	14,008	14,246	15,878	17,572	21,217	22,968	21,585	20,716
NORTHERN MINDANAO	372,834	349,754	363,919	355,241	400,628	407,259	463,292	471,610	459,389	485,303
Bukidnon	65,388	48,103	65,247	74,306	116,279	118,668	148,611	141,095	143,377	145,693
Camiguin	439	420	449	407	350	282	255	378	592	506
Lanao del Norte	209,410	200,561	205,799	190,748	186,701	193,374	209,523	221,456	214,497	231,930
Misamis Occidental	45,343	45,492	45,503	46,414	53,181	51,629	51,745	53,978	52,333	52,212
Misamis Oriental	52,254	55,178	46,921	43,366	44,117	43,306	53,158	54,703	48,590	54,962
DAVAO REGION	166,414	153,555	150,704	173,301	212,718	173,226	170,609	197,547	202,451	181,390
Davao del Norte	14,313	11,514	12,820	10,308	14,566	10,694	10,383	13,773	14,175	13,690
Davao del Sur	54,982	52,404	51,387	60,985	85,006	77,012	67,294	75,988	77,835	29,535
Davao City	16,120	16,310	14,929	19,001	18,764	17,802	16,415	17,738	18,502	16,816
Davao Oriental	50,409	43,459	42,854	46,802	45,673	36,355	42,375	52,636	53,643	50,923
Davao de Oro (Compostela Valley)	30,590	29,868	28,714	36,205	48,709	31,363	34,142	37,412	38,296	37,111
Davao Occidental	..	..	..	..	..	..	..	..	..	33,316
SOCCSKSARGEN	246,574	253,808	241,059	269,571	265,174	233,889	217,856	231,011	228,671	203,943
Cotabato (North Cotabato)	82,529	78,432	68,558	68,360	71,532	61,819	53,184	54,178	57,358	43,740
Sarangani	59,187	65,451	73,487	80,299	79,774	73,140	66,969	70,457	64,463	64,733
South Cotabato	54,371	58,291	53,732	65,548	62,133	56,995	54,947	53,841	51,962	47,721
Sultan Kudarat	50,487	51,634	45,282	55,364	51,735	41,935	42,756	52,535	54,888	47,749
CARAGA	48,908	35,110	44,462	54,195	57,087	56,079	66,270	47,001	53,055	54,781
Agusan del Norte	4,704	5,059	7,770	8,642	9,983	9,696	11,126	8,016	6,372	4,348
Agusan del Sur	38,160	25,467	30,648	36,910	38,846	39,582	46,693	33,779	40,220	44,427
Surigao del Norte	919	624	424	590	682	642	681	593	705	1,039
Surigao del Sur	5,112	3,953	5,604	8,034	7,562	6,051	7,616	4,413	5,516	4,778
Dinagat Islands	13	7	16	19	14	108	154	200	242	189
BARMM	632,745	647,909	622,829	519,099	543,597	515,725	343,342	418,458	463,864	504,414
Basilan	316	344	338	160	186	197	165	186	232	80
Lanao del Sur	250,040	219,303	223,782	211,421	168,935	176,046	168,277	235,553	252,398	295,073
Maguindanao	379,667	425,741	396,468	305,509	372,568	337,478	173,243	180,874	209,398	207,040
Sulu	1,025	1,064	1,021	1,042	1,104	1,167	1,037	1,185	1,392	1,287
Tawi-tawi	1,697	1,457	1,220	967	804	837	620	660	444	934

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.12.1
PALAY AND CORN: VOLUME OF PRODUCTION BY ECOSYSTEM/CROPTYPE & GEOLOCATION *(conluded)*
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Yellow Corn										
PHILIPPINES	**4,207,693**	**4,820,999**	**5,241,520**	**5,248,203**	**5,508,369**	**5,384,083**	**5,196,309**	**5,810,708**	**5,626,612**	**5,907,957**
CAR	156,518	198,641	204,790	221,818	223,896	217,952	181,362	224,962	190,766	216,158
Abra	909	904	879	875	885	837	865	865	865	866
Apayao	15,831	21,595	24,944	31,751	31,293	30,963	28,483	35,002	25,575	25,304
Benguet	5	3	3	3	3	3	12	10	329	415
Ifugao	82,758	92,452	95,418	104,702	117,579	109,890	92,505	103,318	97,792	109,654
Kalinga	44,310	63,321	62,233	63,032	53,115	52,047	43,129	62,008	43,023	56,200
Mountain Province	12,705	20,366	21,313	21,455	21,021	24,212	16,368	23,759	23,182	23,720
ILOCOS REGION	311,032	335,129	383,259	394,766	425,647	442,741	462,103	508,745	512,925	531,025
Ilocos Norte	38,485	38,117	39,408	40,013	44,425	47,614	48,623	50,314	52,643	52,949
Ilocos Sur	46,980	54,609	60,569	61,903	65,517	68,555	74,091	78,448	87,589	100,272
La Union	11,257	14,455	18,947	20,944	22,760	23,102	24,147	29,795	30,948	31,648
Pangasinan	214,310	227,948	264,335	271,906	292,945	303,470	315,242	350,188	341,745	346,156
CAGAYAN VALLEY	1,212,707	1,544,900	1,808,978	1,659,959	1,810,226	1,757,348	1,640,741	1,803,351	1,590,413	1,832,874
Batanes	..	..	194	183	338	177	150	209	203	177
Cagayan	242,964	345,981	396,658	329,933	404,102	429,089	382,249	484,157	356,239	478,818
Isabela	835,002	1,024,186	1,183,123	1,158,106	1,160,834	1,106,944	1,033,271	1,083,112	997,242	1,119,979
Nueva Vizcaya	40,095	54,459	62,723	56,308	69,141	70,201	63,720	74,877	73,129	71,456
Quirino	94,646	120,274	166,280	115,429	175,811	150,937	161,351	160,996	163,600	162,444
CENTRAL LUZON	174,942	167,173	186,336	198,425	211,420	239,305	228,330	221,558	230,903	243,821
Aurora	17,678	12,965	20,354	20,593	21,138	21,693	24,214	20,279	15,083	14,569
Bataan	7,525	7,243	6,016	8,875	5,898	7,741	6,702	5,822	5,578	5,482
Bulacan	109	97	100	104	114	336	157	-	-	-
Nueva Ecija	5,058	5,397	7,491	12,167	12,932	19,842	18,306	19,244	19,363	30,916
Pampanga	42,383	41,358	42,373	46,899	50,367	52,392	55,148	53,288	56,594	61,360
Tarlac	101,948	99,736	109,550	108,784	120,215	136,665	122,571	122,156	132,617	129,297
Zambales	241	377	452	1,003	756	636	1,232	769	1,668	2,197
CALABARZON	24,544	24,840	28,567	38,948	43,393	39,421	65,954	62,764	64,756	45,872
Batangas	5,729	4,205	5,305	6,241	5,100	4,088	4,963	2,177	4,618	3,157
Cavite	1,039	930	1,048	1,100	1,020	1,125	327	582	548	234
Laguna	443	504	567	684	794	2,091	1,687	1,627	1,725	1,601
Quezon	16,576	18,512	21,099	30,207	35,578	31,156	58,518	56,908	56,198	39,788
Rizal	757	689	548	716	901	961	459	1,470	1,666	1,092
MIMAROPA	57,058	69,735	72,985	89,215	91,378	109,085	97,317	103,501	114,697	91,214
Marinduque	13	..	..	..	..	155	51	145	133	145
Occidental Mindoro	50,246	52,599	60,461	77,150	76,934	91,253	77,966	82,982	92,858	70,450
Oriental Mindoro	301	1,132	770	1,122	3,339	4,148	4,995	5,236	4,801	3,170
Palawan	6,352	15,833	11,684	10,943	11,105	13,490	14,156	14,737	16,273	17,129
Romblon	146	171	70	..	..	39	149	401	632	320
BICOL REGION	128,915	167,817	182,831	208,938	228,207	188,436	201,690	222,045	214,706	186,021
Albay	46,411	49,280	55,240	56,365	56,791	49,094	52,987	51,432	47,318	36,074
Camarines Norte	297	527	576	577	482	610	663	740	766	541
Camarines Sur	80,079	117,484	126,638	150,050	169,132	136,719	146,062	167,288	164,428	147,268
Catanduanes	59	71	97	124	154	241	226	719	470	314
Masbate	2,039	444	216	1,751	1,520	1,435	1,532	1,728	1,535	1,637
Sorsogon	30	11	64	71	128	337	220	138	189	188
WESTERN VISAYAS	193,748	242,403	256,055	265,999	267,766	254,882	202,801	212,515	223,110	227,513
Aklan	593	2,593	1,372	2,093	1,900	1,674	2,090	2,478	2,946	2,999
Antique	1,468	4,270	4,934	4,020	4,784	3,733	4,061	5,710	8,096	8,847
Capiz	41,122	46,621	50,145	52,059	57,453	62,070	55,459	55,376	64,715	67,561
Negros Occidental	45,810	50,315	54,255	65,005	81,464	68,621	67,473	74,085	79,678	84,360
Guimaras	316	150	76	153	318	212	446	416	1,709	443
Iloilo	104,439	138,454	145,273	142,669	121,847	118,572	73,272	74,450	65,966	63,304
CENTRAL VISAYAS	1,428	1,272	751	3,199	2,039	1,379	2,115	2,905	3,047	1,942
Bohol	197	117	89	510	655	16	4	42	176	277
Cebu	909	769	396	1,736	584	851	1,529	2,317	2,100	1,219
Negros Oriental	260	323	212	696	797	503	582	546	771	446
Siquijor	62	63	54	257	3	9	..	-	-	-
EASTERN VISAYAS	12,635	12,764	13,173	13,225	13,379	13,404	12,637	8,946	7,658	6,966
Biliran	228	236	238	232	236	235	236	238	186	159
Eastern Samar	278	273	299	268	302	315	198	265	274	216
Leyte	7,045	6,717	7,018	7,180	7,380	7,505	6,949	3,938	3,091	2,839
Northern Samar	3,254	3,715	3,815	3,910	4,011	3,942	3,854	3,355	2,676	2,469
Southern Leyte	701	680	687	527	519	528	477	411	400	321
Samar	1,129	1,143	1,116	1,108	931	879	923	739	1,031	963
ZAMBOANGA PENINSULA	31,363	50,141	43,760	32,882	30,325	34,821	41,303	42,229	47,580	37,758
Zamboanga del Norte	5,426	4,981	1,766	1,714	1,890	3,335	3,750	3,436	7,267	4,811
Zamboanga del Sur	21,071	39,479	34,646	24,080	20,932	23,176	29,135	27,521	30,965	22,287
Zamboanga City	3,514	4,517	5,485	5,421	5,838	6,503	6,247	6,245	5,809	7,372
Zamboanga Sibugay	1,352	1,164	1,863	1,667	1,665	1,807	2,171	5,027	3,539	3,288
NORTHERN MINDANAO	780,405	862,454	864,835	829,795	795,914	809,043	759,824	815,693	830,149	827,623
Bukidnon	712,254	761,951	780,267	730,181	689,566	702,712	653,454	703,273	715,107	714,673
Camiguin	56	88	101	109	86	94	106	189	203	208
Lanao del Norte	23,576	44,108	18,100	31,151	33,782	39,294	45,256	45,854	49,930	52,454
Misamis Occidental	4,198	3,293	3,935	4,041	4,460	4,205	4,360	4,437	4,467	4,502
Misamis Oriental	40,321	53,014	62,432	64,313	68,020	62,738	56,648	61,940	60,442	55,786
DAVAO REGION	35,940	37,658	47,923	53,712	67,575	50,874	48,480	59,188	72,224	63,421
Davao del Norte	9,218	11,081	8,828	10,389	11,706	9,441	8,299	11,101	11,008	11,403
Davao del Sur	1,491	5,283	11,915	24,737	26,509	19,296	16,560	22,460	22,736	12,199
Davao City	4,760	4,134	4,845	5,443	8,096	6,213	5,991	5,831	5,551	6,220
Davao Oriental	2,655	1,335	923	2,174	1,544	1,428	1,833	3,171	2,118	1,914
Davao de Oro (Compostela Valley)	17,816	15,825	21,412	10,969	19,720	14,496	15,797	16,625	30,811	24,354
Davao Occidental	..	..	..	..	..	..	..	..	..	7,330
SOCCSKSARGEN	817,874	916,746	960,272	1,036,036	1,072,891	1,005,386	926,154	1,026,166	1,002,403	904,244
Cotabato (North Cotabato)	242,644	301,515	316,920	346,034	343,098	307,947	264,152	288,892	298,559	250,829
Sarangani	65,218	69,498	71,992	82,770	89,682	80,148	69,394	80,817	80,344	73,480
South Cotabato	358,461	370,427	382,249	407,397	438,605	415,572	397,660	442,618	411,489	382,180
Sultan Kudarat	151,551	175,306	189,111	199,835	201,506	201,719	194,948	213,839	212,011	197,755
CARAGA	45,663	40,574	45,059	53,281	68,320	62,695	78,259	72,979	82,572	80,946
Agusan del Norte	4,203	4,691	2,070	4,376	5,170	6,674	13,730	11,260	12,363	4,869
Agusan del Sur	39,689	34,890	40,025	46,011	59,018	54,209	62,866	54,728	61,267	68,437
Surigao del Norte	413	300	301	506	876	744	302	302	341	511
Surigao del Sur	1,358	693	2,663	2,388	3,206	1,054	1,300	6,591	8,459	7,032
Dinagat Islands	..	..	..	..	50	14	61	98	142	98
BARMM	222,921	148,752	141,945	148,005	155,994	157,311	247,238	423,160	438,703	610,559
Basilan	..	..	..	..	..	..	..	-	-	-
Lanao del Sur	46,030	62,415	45,676	68,602	63,578	65,625	70,348	134,872	108,385	169,764
Maguindanao	176,891	86,337	96,269	79,403	92,416	91,686	176,890	288,288	330,319	440,795
Sulu	..	..	..	..	..	..	..	-	-	-
Tawi-tawi	..	..	..	..	..	..	..	-	-	-

.. Data not available
Totals may not add up due to rounding off
Source: Philippine Statistics Authority

Notes:
Revised data for 2012-2013 due to inclusion of Batanes data
Negros Occidental and Negros Oriental are included in Negros Island Region (NIR) starting 2016

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Abaca										
PHILIPPINES	**66,511.8**	**68,612.7**	**68,510.5**	**64,951.6**	**68,053.0**	**70,356.4**	**71,839.8**	**68,841.5**	**71,516.0**	**72,208.6**
CAR	13.4	13.1	13.2	13.0	11.2	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	13.4	13.1	13.2	13.0	11.2	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	109.0	110.6	126.0	113.3	95.2	101.7	54.1	55.6	56.2	36.6
Aurora	109.0	110.6	126.0	113.3	95.2	101.7	54.1	55.6	56.2	36.6
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	2.2	3.9	10.9	15.1	2.3	4.1	8.6	9.2	7.5	9.2
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	2.1	2.6	2.8	2.9	2.3	2.1	3.7	3.8	3.8	4.7
Quezon	0.1	1.4	8.1	12.2	..	2.0	4.9	5.4	3.8	4.5
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	76.7	88.7	106.2	121.0	149.3	112.9	105.9	116.6	121.8	121.3
Marinduque	3.5	3.6	3.7	3.7	2.5	1.8	1.9	1.7	1.4	0.7
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	62.6	67.6	72.7	75.9	89.7	79.6	66.2	71.3	80.3	82.9
Palawan	10.6	17.5	29.9	41.4	57.0	31.4	37.9	43.6	40.1	37.6
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	20,264.1	22,645.5	23,086.1	24,078.0	28,950.6	29,561.1	30,016.5	26,196.2	28,811.6	28,939.2
Albay	1,473.1	1,440.3	1,515.6	1,617.3	1,368.1	1,365.2	1,478.3	1,354.5	1,408.1	1,523.1
Camarines Norte	121.0	113.0	115.5	119.9	123.0	127.1	139.2	143.0	133.7	153.2
Camarines Sur	391.5	792.1	908.9	911.9	856.4	841.2	897.4	809.7	794.1	760.8
Catanduanes	16,461.4	18,518.9	19,045.0	20,092.3	25,434.6	26,419.0	26,864.2	23,271.8	25,846.9	25,940.7
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1,817.2	1,781.2	1,501.1	1,336.6	1,168.6	808.6	637.4	617.3	628.9	561.6
WESTERN VISAYAS	1,492.4	1,853.4	2,236.5	1,741.3	1,599.1	1,958.8	2,969.7	3,341.7	3,267.3	2,984.3
Aklan	1,089.2	1,417.4	1,731.7	1,355.4	1,207.5	1,480.9	2,461.3	2,801.9	2,734.4	2,509.4
Antique	59.9	56.4	51.6	49.6	49.2	58.8	59.0	68.7	64.4	68.3
Capiz	11.9	15.2	19.8	19.9	61.1	93.1	152.6	201.7	206.5	214.9
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	327.1	360.6	428.2	311.0	240.8	264.8	236.7	206.9	203.6	136.1
Negros Occidental	4.4	3.8	5.2	5.4	40.5	61.4	60.1	62.5	58.4	55.6
CENTRAL VISAYAS	332.3	397.1	414.3	414.6	493.0	555.2	507.5	557.7	504.2	402.0
Bohol	38.7	56.3	30.9	16.1	6.3	2.3	1.0	..	..	..
Cebu	15.0	16.4	21.5	16.9	10.0	14.3	14.1	6.5	8.3	6.6
Negros Oriental	278.6	324.4	361.8	381.6	476.7	538.7	492.4	551.2	495.9	395.4
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	20,326.4	20,023.4	19,190.9	16,597.4	12,849.3	12,752.6	12,492.6	12,671.1	12,549.3	12,613.4
Biliran	75.1	127.0	98.9	81.4	69.8	122.8	131.5	133.0	99.0	81.0
Eastern Samar	400.0	397.3	401.0	369.9	292.0	123.0	79.5	17.5	18.1	14.0
Leyte	8,371.7	7,426.7	6,606.7	4,832.9	1,482.5	1,531.9	1,616.7	1,585.0	1,456.8	1,385.9
Northern Samar	5,447.7	7,195.9	7,329.9	7,433.6	7,579.3	7,550.2	7,241.3	7,234.9	7,149.2	7,150.7
Samar (Western Samar)	1,807.0	1,374.6	1,382.4	1,381.4	1,270.0	1,318.0	1,313.3	1,342.0	1,380.0	1,434.1
Southern Leyte	4,225.0	3,501.9	3,372.0	2,498.3	2,155.7	2,106.8	2,110.4	2,358.8	2,446.3	2,547.8
ZAMBOANGA PENINSULA	231.0	630.8	675.3	589.5	678.6	676.8	597.2	607.3	609.8	709.6
Zamboanga del Norte	73.7	160.9	167.1	174.5	187.0	197.1	169.1	171.7	159.3	188.8
Zamboanga del Sur	38.8	102.5	98.9	111.3	135.0	143.7	134.6	132.0	130.1	129.5
Zamboanga Sibugay	88.2	294.1	302.7	182.6	196.2	152.7	146.2	155.1	160.3	217.1
City of Zamboanga	30.3	73.3	106.6	121.2	160.4	183.3	147.3	148.5	160.1	174.3
NORTHERN MINDANAO	1,767.9	1,824.8	2,042.7	2,243.9	3,120.4	3,198.6	3,316.9	3,417.5	3,482.4	3,514.5
Bukidnon	1,455.0	1,515.0	1,447.0	1,470.0	2,260.7	2,317.3	2,385.0	2,517.6	2,598.3	2,646.3
Camiguin	18.6	22.1	27.1	27.5	23.2	21.3	22.2	19.0	16.4	20.1
Lanao del Norte	98.0	91.0	109.0	119.0	142.1	156.5	192.0	148.5	149.5	149.0
Misamis Occidental	75.4	77.4	79.6	76.9	79.3	68.5	107.1	98.5	69.2	63.1
Misamis Oriental	120.9	119.2	380.0	550.5	615.0	635.0	610.7	633.9	649.0	636.0
DAVAO REGION	10,241.7	9,226.2	8,839.2	7,268.6	8,127.2	8,300.2	8,088.9	8,438.6	8,587.9	9,004.0
Davao del Norte	466.5	303.3	254.7	233.4	241.9	251.7	239.5	227.5	219.1	205.9
Davao del Sur	3,134.5	2,930.6	2,979.8	3,067.3	3,205.7	3,227.8	3,141.0	3,348.0	3,518.4	389.9
City of Davao	22.4	22.1	24.5	23.9	24.2	25.1	26.8	46.2	58.9	61.8
Davao Oriental	5,118.4	4,976.0	4,732.1	3,484.4	4,138.3	4,242.7	4,185.8	4,229.8	4,202.4	4,369.4
Davao de Oro (Compostela Valley)	1,499.9	994.3	848.0	459.6	517.0	553.0	495.8	587.2	589.1	607.9
Davao Occidental	..	..	..	..	..	..	..	..	..	3,369.0
SOCCSKSARGEN	828.2	878.1	916.5	953.7	1,048.8	1,051.4	1,027.1	1,062.8	1,125.1	1,165.2
North Cotabato	13.3	13.2	24.7	47.7	52.7	63.7	46.0	43.7	45.4	47.3
Sarangani	209.5	179.1	170.5	175.0	258.4	252.8	234.0	245.0	281.0	307.0
South Cotabato	576.0	662.6	700.8	715.3	726.3	724.1	716.9	745.3	776.0	786.4
Sultan Kudarat	29.4	23.1	20.5	15.6	11.4	10.9	30.3	28.9	22.7	24.5
CARAGA	6,058.6	6,030.8	5,965.0	5,827.9	6,031.2	7,179.8	7,798.6	7,643.3	7,593.7	7,881.5
Agusan del Norte	548.1	508.4	529.2	521.2	547.0	725.4	793.2	838.2	901.1	987.3
Agusan del Sur	1,392.9	1,509.6	1,505.2	1,674.1	1,857.8	2,069.6	2,539.4	2,796.4	2,538.0	2,748.5
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	22.6	17.6	10.7	8.1	5.4	5.1	4.9	4.4	4.8	4.2
Surigao del Sur	4,095.1	3,995.3	3,920.0	3,624.5	3,621.0	4,379.7	4,461.1	4,004.4	4,149.8	4,141.5
ARMM	4,768.0	4,886.5	4,887.8	4,974.4	4,896.9	4,903.3	4,856.2	4,723.9	4,799.0	4,827.8
Basilan	60.7	55.7	48.5	44.5	33.5	24.7	21.5	18.6	13.1	12.1
Lanao del Sur	1,805.0	1,730.0	1,625.3	1,695.7	1,676.8	1,701.5	1,722.0	1,728.8	1,743.5	1,769.5
Maguindanao	50.2	46.0	58.5	37.0	33.3	31.0	27.9	25.8	25.7	24.7
Sulu	2,850.4	3,053.4	3,154.0	3,196.0	3,152.0	3,145.0	3,084.0	2,950.0	3,016.0	3,021.0
Tawi-tawi	1.7	1.4	1.4	1.3	1.3	1.2	0.9	0.8	0.7	0.6

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cacao										
PHILIPPINES	**5,019.4**	**4,856.5**	**4,831.3**	**4,875.8**	**5,427.7**	**6,023.3**	**6,262.8**	**7,009.1**	**7,983.2**	**8,488.6**
CAR	13.8	14.0	14.5	21.1	27.7	31.0	30.9	22.4	27.2	25.7
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	7.6	7.3	7.4	12.8	19.6	21.9	21.3	15.2	16.1	16.7
Benguet	4.0	3.9	3.4	3.2	3.0	3.2	3.1	3.2	3.3	3.3
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	2.2	2.9	3.7	5.1	5.1	6.0	5.5	2.9	6.4	4.4
Mountain Province	..	..	..	..	..	..	1.0	1.1	1.4	1.4
ILOCOS REGION	46.3	44.9	42.3	39.2	40.1	40.0	40.4	41.9	45.9	48.7
Ilocos Norte	6.5	7.0	7.8	8.0	8.3	8.5	9.4	9.7	10.1	11.0
Ilocos Sur	5.1	5.3	5.3	5.4	5.6	6.0	6.6	6.5	6.8	6.6
La Union	11.4	11.6	11.2	10.9	12.1	11.5	9.9	10.7	11.8	13.1
Pangasinan	23.3	21.0	18.0	14.9	14.2	14.0	14.5	15.0	17.3	18.0
CAGAYAN VALLEY	82.6	63.5	61.6	69.4	74.7	90.8	125.4	111.7	127.2	119.5
Batanes	..	..	0.2	0.2	0.1	0.2	0.1	..	..	..
Cagayan	45.6	47.4	50.6	56.5	60.9	72.2	80.9	64.4	78.0	68.7
Isabela	29.7	8.3	6.7	7.2	8.9	9.6	12.7	15.1	16.7	15.8
Nueva Vizcaya	5.3	5.0	4.0	3.3	2.8	6.1	29.3	29.7	30.2	30.3
Quirino	2.0	2.8	..	2.3	2.0	2.7	2.3	2.6	2.3	4.8
CENTRAL LUZON	42.2	43.6	45.6	44.8	47.9	54.1	87.3	95.0	182.3	262.8
Aurora	38.7	40.1	42.8	41.9	45.0	51.3	83.8	92.2	178.1	258.6
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	3.5	3.5	2.9	3.0	2.9	2.8	2.7	2.8	2.7	2.7
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	0.8	..	1.5	1.4
CALABARZON	21.6	21.5	20.1	19.5	20.4	13.9	17.1	18.9	20.6	26.0
Batangas	2.5	2.3	1.5	1.0	0.5	0.5	0.4	0.6	1.1	3.4
Cavite	7.3	7.1	7.3	7.7	7.6	7.5	7.7	8.7	9.2	7.9
Laguna	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.8	1.1	1.8
Quezon	11.4	11.7	10.8	10.3	11.8	5.4	8.6	8.8	9.0	12.6
Rizal	..	..	..	..	..	..	..	..	0.2	0.3
MIMAROPA	57.0	60.8	64.1	65.6	82.5	91.7	84.3	84.8	88.9	99.9
Marinduque	2.0	2.1	2.1	2.1	2.1	2.2	1.9	1.6	1.7	1.7
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	23.9	22.9	22.4	20.0	20.4	19.7	13.5	12.7	13.4	15.9
Palawan	29.7	34.5	38.3	42.2	58.8	68.5	67.6	69.3	72.7	81.3
Romblon	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1
BICOL REGION	31.4	31.5	33.0	34.2	34.8	35.8	38.0	37.1	37.7	39.1
Albay	13.2	12.9	13.9	14.8	14.4	14.2	15.3	15.3	16.7	18.1
Camarines Norte	1.0	1.0	1.1	1.1	1.2	1.2	1.4	1.4	1.2	1.0
Camarines Sur	9.5	9.7	9.8	9.8	10.8	11.5	12.8	11.7	10.9	11.3
Catanduanes	0.9	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.8	0.9
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	6.9	6.9	7.2	7.5	7.4	7.9	7.5	7.8	8.1	7.8
WESTERN VISAYAS	67.0	59.2	61.9	62.6	60.4	65.1	67.5	74.0	86.2	96.5
Aklan	4.5	3.4	2.6	2.4	2.1	0.9	0.6	1.8	2.1	2.2
Antique	5.0	4.8	4.6	4.5	4.4	4.3	4.0	3.8	3.3	3.1
Capiz	8.9	8.4	9.8	9.3	9.0	8.9	8.6	8.9	9.7	11.9
Guimaras	2.0	1.7	1.6	1.6	2.0	2.1	2.2	2.3	8.5	4.3
Iloilo	35.3	31.3	34.1	36.6	35.3	41.2	44.7	49.9	55.9	68.9
Negros Occidental	11.4	9.6	9.3	8.2	7.8	7.7	7.3	7.4	6.7	6.1
CENTRAL VISAYAS	54.2	52.7	54.0	57.1	55.6	62.9	76.9	90.6	96.7	106.9
Bohol	21.1	22.2	24.2	25.4	22.1	28.6	42.3	55.4	61.3	75.2
Cebu	12.3	11.4	11.6	14.6	17.3	18.3	18.7	19.1	18.7	16.7
Negros Oriental	14.9	13.7	11.8	11.1	9.5	8.9	10.5	10.2	9.8	8.8
Siquijor	5.9	5.5	6.5	5.9	6.6	7.1	5.6	5.8	6.9	6.2
EASTERN VISAYAS	122.0	116.6	114.4	95.9	78.7	75.1	72.5	69.9	66.7	67.6
Biliran	22.8	21.5	20.8	18.4	17.5	16.7	16.6	17.1	15.2	15.9
Eastern Samar	23.0	22.8	23.1	22.2	16.3	11.0	9.5	5.9	4.0	3.1
Leyte	17.5	16.8	16.3	13.7	4.7	9.2	10.2	11.0	10.9	10.6
Northern Samar	27.4	28.0	28.7	29.5	30.4	29.7	27.9	28.0	28.5	29.7
Samar (Western Samar)	2.4	2.3	2.3	2.3	2.1	2.3	2.3	2.4	2.7	2.6
Southern Leyte	29.0	25.2	23.3	9.8	7.7	6.3	6.0	5.7	5.4	5.7
ZAMBOANGA PENINSULA	121.6	112.4	115.2	103.5	128.3	131.0	127.3	144.6	155.2	217.0
Zamboanga del Norte	77.6	76.6	82.8	69.6	80.1	83.5	83.2	99.6	107.3	170.0
Zamboanga del Sur	18.7	13.6	11.6	9.5	8.5	8.4	7.7	8.1	10.3	10.1
Zamboanga Sibugay	16.4	14.8	14.9	18.2	33.7	33.2	30.4	30.8	31.2	30.7
City of Zamboanga	8.9	7.3	6.0	6.3	6.0	6.0	6.0	6.0	6.4	6.2
NORTHERN MINDANAO	554.5	396.1	220.9	196.3	175.9	164.1	180.2	194.4	212.6	247.2
Bukidnon	462.0	310.0	140.0	115.0	95.0	88.0	106.0	119.0	128.5	152.0
Camiguin	8.0	7.6	6.4	6.6	6.3	6.2	6.8	8.4	10.4	10.1
Lanao del Norte	56.9	54.0	51.3	52.9	49.0	43.5	41.6	39.6	41.0	45.6
Misamis Occidental	16.1	15.9	16.0	16.1	17.7	17.8	17.4	18.0	19.5	21.3
Misamis Oriental	11.5	8.6	7.3	5.7	7.9	8.5	8.3	9.4	13.2	18.3
DAVAO REGION	3,506.3	3,617.1	3,762.9	3,844.3	4,365.9	4,920.3	5,073.8	5,753.0	6,461.8	6,703.9
Davao del Norte	332.8	342.0	346.6	371.8	829.7	914.6	945.3	999.2	1,312.1	1,372.8
Davao del Sur	1,664.7	1,680.8	1,710.0	1,718.0	1,428.4	1,703.5	1,702.5	1,750.1	1,882.4	1,163.2
City of Davao	836.4	883.5	1,014.8	1,129.7	1,326.7	1,475.4	1,606.8	2,061.5	2,180.4	2,289.7
Davao Oriental	491.2	506.2	485.3	483.1	494.0	510.1	507.3	521.2	537.2	561.9
Davao de Oro (Compostela Valley)	181.2	204.6	206.3	141.6	287.2	316.7	311.9	421.1	549.6	572.6
Davao Occidental	..	..	..	..	..	..	..	..	..	743.7
SOCCSKSARGEN	73.4	72.7	74.0	79.1	93.5	103.8	93.2	109.3	178.9	189.6
North Cotabato	10.1	10.6	13.3	19.3	30.0	41.2	37.4	50.7	112.8	117.9
Sarangani	32.2	30.4	28.8	27.8	27.5	27.5	26.8	27.7	30.0	32.4
South Cotabato	26.3	27.6	27.8	28.1	30.1	29.0	23.1	23.7	27.7	30.4
Sultan Kudarat	4.8	4.2	4.1	4.0	5.9	6.2	6.0	7.2	8.4	8.9
CARAGA	124.1	58.6	63.4	57.8	59.4	60.3	65.3	80.7	114.5	156.8
Agusan del Norte	54.1	6.5	5.6	7.1	7.5	9.6	9.9	12.1	12.1	13.1
Agusan del Sur	23.9	23.4	31.9	25.1	29.8	30.7	37.0	49.7	67.7	81.5
Dinagat Islands	..	..	..	2.0	1.3	1.6	1.8	1.4	3.0	3.8
Surigao del Norte	28.8	14.8	11.5	8.6	7.0	4.5	2.8	2.8	2.7	2.2
Surigao del Sur	17.4	13.9	14.5	15.0	13.8	13.9	13.9	14.7	28.9	56.3
ARMM	101.5	91.4	83.3	85.5	82.1	83.7	82.9	81.0	81.0	81.4
Basilan	3.7	3.4	3.1	3.0	2.8	2.7	2.5	1.9	..	..
Lanao del Sur	59.1	55.4	52.0	56.0	53.8	56.6	56.8	56.7	58.7	58.8
Maguindanao	2.9	2.8	2.6	2.3	2.5	2.3	2.1	2.1	3.0	3.2
Sulu	33.1	27.5	23.3	22.1	21.2	20.4	19.6	18.4	17.4	17.7
Tawi-tawi	2.6	2.3	2.4	2.1	1.9	1.8	1.9	1.8	1.9	1.7

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cashew (ripe fruit with nut)										
PHILIPPINES	**134,681.2**	**133,388.0**	**132,541.1**	**146,288.7**	**170,852.7**	**205,531.1**	**216,398.1**	**222,540.7**	**228,612.2**	**242,329.3**
CAR	1.3	1.3	1.3	1.2	1.0	0.9	0.2	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	1.3	1.3	1.3	1.2	1.0	0.9	0.2	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	692.2	683.7	708.0	718.7	695.7	703.1	645.5	627.8	607.5	607.3
Ilocos Norte	9.5	8.5	8.2	8.3	8.4	8.8	9.1	9.8	10.5	12.9
Ilocos Sur	6.7	6.2	5.9	5.4	5.2	5.1	4.9	4.6	4.3	4.3
La Union	4.9	4.8	5.0	4.8	4.7	4.0	3.7	3.4	3.1	3.2
Pangasinan	671.2	664.2	688.9	700.2	677.4	685.3	627.9	610.0	589.6	587.1
CAGAYAN VALLEY	49.0	45.2	38.7	29.6	24.7	22.9	19.2	17.8	17.0	16.7
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	2.5	1.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8
Nueva Vizcaya	46.5	43.8	37.9	28.7	23.8	22.0	18.3	16.8	16.1	15.9
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	7,241.8	6,821.1	6,092.6	5,968.5	5,570.4	5,674.9	5,649.0	5,643.6	5,801.7	5,641.6
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	6,242.0	5,860.0	5,150.0	5,030.0	4,626.0	4,730.0	4,750.0	4,765.6	4,959.9	4,824.2
Bulacan	176.0	180.0	182.0	183.0	181.0	179.0	178.0	180.0	182.0	191.0
Nueva Ecija	512.1	509.7	509.0	505.7	505.0	500.0	480.0	468.0	466.0	458.3
Pampanga	1.3	1.0	0.8	0.5	0.4	0.5	0.5	0.4	0.4	0.4
Tarlac	..	3.1	2.4	2.6	2.3	2.3	2.0	2.3	2.1	2.2
Zambales	310.5	267.4	248.4	246.8	255.7	263.2	238.6	227.4	191.4	165.6
CALABARZON	47.4	43.5	44.7	44.4	44.4	45.9	44.1	41.2	30.1	30.8
Batangas	..	..	..	..	..	0.4	0.3	0.4	0.3	0.3
Cavite	31.2	27.1	28.2	27.6	28.2	27.5	26.7	21.8	16.3	16.0
Laguna	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1	..	..
Quezon	0.4	0.3	0.3	0.2	..	..	..	..	..	..
Rizal	15.6	15.8	15.9	16.3	16.0	18.0	17.0	18.9	13.5	14.5
MIMAROPA	125,863.7	125,080.1	125,006.0	138,873.9	163,821.6	198,360.2	209,378.9	215,525.4	221,532.9	235,334.7
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	135.0	143.0	152.1	165.6	175.4	188.9	195.4	216.3	220.7	222.0
Oriental Mindoro	..	..	..	..	..	3.2	2.3	2.5	2.3	2.4
Palawan	125,728.7	124,937.1	124,853.9	138,708.4	163,646.2	198,168.1	209,181.3	215,306.6	221,309.9	235,110.3
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	4.0	3.9	3.9	4.0	3.9	4.6	4.4	4.5	4.6	4.0
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	4.0	3.9	3.9	4.0	3.9	4.6	4.4	4.5	4.6	4.0
WESTERN VISAYAS	596.2	562.8	536.5	546.4	596.9	626.4	572.3	601.4	547.4	629.6
Aklan	0.9	0.5	0.4	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Antique	4.4	4.2	2.6	2.6	2.5	2.4	3.4	3.2	2.9	2.2
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	590.0	556.4	531.9	542.3	593.0	622.7	567.7	597.0	543.5	626.5
Iloilo	0.7	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7
Negros Occidental	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
CENTRAL VISAYAS	58.2	47.3	38.9	36.0	29.3	31.0	27.2	23.2	15.2	12.4
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	58.2	47.3	38.9	36.0	29.3	31.0	27.2	23.2	15.2	12.4
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	10.3	6.7	5.8	5.6	5.2	4.9	4.4	4.1	3.8	3.6
Zamboanga del Norte	1.1	0.3	0.3	0.2	0.1	..	..	..	..	..
Zamboanga del Sur	8.9	6.4	5.6	5.3	5.1	4.9	4.4	4.1	3.8	3.6
Zamboanga Sibugay	0.4	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	43.9	28.2	7.3	10.1	14.3	16.2	16.2	16.3	18.1	17.1
Bukidnon	2.0	1.5	1.0	0.5	..	0.4	1.0	0.8	0.7	0.6
Camiguin	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
Lanao del Norte	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3
Misamis Occidental	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Misamis Oriental	41.0	25.8	5.5	8.8	13.5	15.0	14.5	14.9	16.8	16.1
DAVAO REGION	55.9	49.5	44.4	39.4	35.5	31.7	29.4	27.3	25.3	22.2
Davao del Norte	6.7	6.4	5.8	5.8	6.0	6.2	6.0	5.7	5.5	5.1
Davao del Sur	6.8	7.0	6.6	6.2	6.1	5.7	5.4	4.9	4.6	4.6
City of Davao	1.7	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3
Davao Oriental	38.2	34.0	30.3	26.7	22.6	18.9	17.2	15.8	14.3	11.7
Davao de Oro (Compostela Valley)	2.5	1.7	1.5	0.5	0.6	0.7	0.5	0.5	0.5	0.5
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	11.5	10.9	10.1	9.4	8.9	8.2	6.7	7.4	8.0	8.6
North Cotabato	5.3	4.8	4.2	3.6	3.1	2.5	1.1	1.9	2.4	2.1
Sarangani	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2
South Cotabato	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.8	2.9
Sultan Kudarat	4.1	4.1	3.9	3.8	3.8	3.8	3.7	3.6	3.5	3.4
CARAGA	5.6	3.7	2.8	1.6	1.0	0.4	0.6	0.8	0.7	0.7
Agusan del Norte	..	..	..	..	..	0.0	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	0.3	0.4	0.2	0.1
Surigao del Norte	5.2	3.3	2.5	1.6	1.0	0.4	0.1	0.3	0.3	0.2
Surigao del Sur	0.4	0.4	0.3	..	..	..	0.2	0.2	0.2	0.4
ARMM	0.2	0.2	0.2	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	0.2	0.2	0.2	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chrysanthemum										
PHILIPPINES	**2,496.7**	**2,566.8**	**2,606.3**	**2,561.2**	**2,620.0**	**2,466.8**	**2,292.4**	**2,404.5**	**2,451.6**	**2,416.6**
CAR	1,360.9	1,358.0	1,401.4	1,419.6	1,364.4	1,323.0	1,186.2	1,283.0	1,348.5	1,350.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	1,360.9	1,358.0	1,401.4	1,419.6	1,364.4	1,320.8	1,186.1	1,283.0	1,348.5	1,350.5
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	2.2	0.1	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	31.0	27.8	23.5	17.8	16.8	14.9	15.8	16.5	16.8	16.9
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	31.0	27.8	23.5	17.8	16.8	14.9	15.8	16.5	16.8	16.9
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	45.9	42.6	42.4	41.3	38.5	25.2	25.1	27.4	28.0	28.5
Batangas	1.3	0.5	0.1	0.1	0.1	0.1	0.1	0.0	..	..
Cavite	18.8	18.6	19.7	20.3	19.5	20.7	20.7	22.0	28.0	28.5
Laguna	13.8	12.9	12.4	11.7	10.8	..	..	..	..	..
Quezon	12.1	10.6	10.2	9.3	8.1	4.5	4.4	5.4	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	70.0	67.1	62.3	56.7	48.2	47.9	45.1	44.9	43.3	42.4
Albay	62.0	59.0	54.1	48.4	40.1	39.8	37.6	36.2	35.1	34.8
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	8.0	8.1	8.2	8.2	8.2	8.1	7.5	8.7	8.1	7.6
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	11.5	12.7	13.3	12.5	11.9	15.5	15.2	14.1	13.5	12.2
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	8.7	9.7	10.3	9.6	8.9	8.8	8.8	8.0	7.8	6.9
Guimaras	..	..	..	..	0.1	0.1	0.1	0.1	0.1	0.1
Iloilo	..	..	..	..	..	3.6	3.4	3.3	3.1	3.0
Negros Occidental	2.7	3.0	3.0	2.8	2.9	3.0	2.9	2.8	2.6	2.3
CENTRAL VISAYAS	591.9	677.6	692.1	684.9	815.5	725.8	698.3	702.7	687.3	659.6
Bohol	1.3	1.2	1.0	0.7	0.9	1.0	0.9	0.9	0.8	0.8
Cebu	590.1	676.3	691.0	684.2	814.5	724.8	697.4	701.7	686.3	658.6
Negros Oriental	0.5	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	10.2	10.7	10.6	10.0	8.0	8.4	8.9	8.9	8.2	9.0
Biliran	3.4	3.4	3.5	3.3	3.2	3.2	3.1	2.8	1.6	2.4
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	2.7	2.7	2.7	2.4	1.0	1.1	1.2	1.2	1.4	1.4
Northern Samar	1.2	1.3	1.3	1.3	1.4	1.3	1.1	1.1	1.1	1.0
Samar (Western Samar)	2.0	2.6	2.6	2.4	2.1	2.4	2.4	2.6	2.7	2.7
Southern Leyte	1.0	0.7	0.6	0.5	0.4	0.4	1.1	1.3	1.5	1.5
ZAMBOANGA PENINSULA	31.1	32.4	31.9	33.0	33.2	34.5	33.9	34.4	34.0	31.4
Zamboanga del Norte	3.0	3.0	3.8	4.1	4.5	5.9	5.3	5.7	5.9	5.6
Zamboanga del Sur	2.8	2.9	2.8	2.8	3.1	3.1	3.1	3.1	3.1	3.1
Zamboanga Sibugay	0.3	0.3	0.4	0.4	0.7	0.6	0.6	0.6	0.6	0.6
City of Zamboanga	25.0	26.2	25.0	25.8	25.0	25.0	25.0	25.0	24.5	22.1
NORTHERN MINDANAO	50.3	55.0	57.4	62.8	69.6	65.6	73.7	77.7	76.4	74.7
Bukidnon	6.1	7.0	7.6	8.0	8.3	8.9	12.3	13.3	14.1	14.4
Camiguin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lanao del Norte	27.1	27.8	29.3	29.9	30.1	30.0	32.5	34.2	31.8	29.7
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	16.9	20.0	20.4	24.8	31.0	26.5	28.8	30.0	30.3	30.5
DAVAO REGION	246.0	231.5	216.1	166.7	158.0	153.6	146.2	142.8	138.2	132.9
Davao del Norte	107.2	97.9	91.3	85.6	79.2	75.5	70.2	65.2	60.6	58.3
Davao del Sur	4.2	4.3	4.4	4.4	4.5	4.6	5.5	5.9	6.0	6.1
City of Davao	20.9	20.4	20.0	20.2	20.2	20.8	20.5	20.8	21.3	20.1
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	113.7	108.9	100.5	56.6	54.0	52.8	49.9	51.0	50.3	48.4
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	40.0	45.2	49.5	50.3	51.2	48.8	40.3	48.8	53.6	54.3
North Cotabato	16.8	17.6	21.5	22.2	23.0	21.6	16.3	22.3	26.2	26.4
Sarangani	2.7	2.7	2.8	2.7	2.7	2.7	2.6	2.7	2.7	2.4
South Cotabato	19.9	24.5	24.9	25.1	25.2	24.3	21.3	23.7	24.5	25.4
Sultan Kudarat	0.7	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
CARAGA	3.0	2.8	3.1	3.3	3.3	2.8	3.1	2.9	3.6	4.1
Agusan del Norte	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
Agusan del Sur	2.0	1.8	2.0	2.3	2.2	1.7	1.7	1.3	1.8	2.3
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	0.2	0.3	0.4	0.4
Surigao del Sur	..	..	..	..	..	-	0.1	0.1	0.1	0.1
ARMM	4.4	3.1	2.3	1.8	1.2	0.4	0.1	0.1	0.1	0.1
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	4.4	3.1	2.3	1.8	1.2	0.4	0.1	0.1	0.1	0.1
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coconut (with husk)										
PHILIPPINES	**15,510,282.6**	**15,244,609.3**	**15,863,800.9**	**15,354,334.2**	**14,696,298.4**	**14,735,189.0**	**13,825,080.1**	**14,049,131.1**	**14,726,165.4**	**14,765,057.1**
CAR	914.0	907.2	952.2	1,078.8	1,173.0	1,165.1	1,037.4	981.4	942.3	912.5
Abra	191.9	190.5	202.8	212.8	220.0	214.9	208.3	203.9	191.6	191.6
Apayao	254.9	248.5	267.7	324.5	374.8	393.1	347.7	324.7	295.6	284.0
Benguet	15.1	15.4	15.1	15.2	15.3	15.0	14.8	15.1	15.0	15.6
Ifugao	86.8	90.3	94.7	104.0	131.1	135.3	141.7	148.7	154.5	174.2
Kalinga	192.2	190.4	195.8	243.0	257.0	238.1	160.4	134.5	134.4	106.0
Mountain Province	173.1	172.3	176.2	179.4	174.7	168.6	164.5	154.6	151.2	141.2
ILOCOS REGION	37,378.9	38,476.0	39,316.0	40,482.3	40,977.7	39,463.9	40,158.1	43,624.8	42,481.9	42,621.4
Ilocos Norte	3,933.3	4,156.2	4,438.4	4,589.2	4,896.1	5,088.6	5,198.0	5,381.8	5,608.2	5,807.1
Ilocos Sur	5,376.9	5,134.8	4,956.1	5,032.6	4,841.0	4,610.6	4,716.1	4,861.9	4,871.7	4,793.0
La Union	2,173.0	2,248.1	2,328.9	2,379.2	2,488.0	2,525.3	2,466.3	2,553.7	2,575.6	2,619.8
Pangasinan	25,895.6	26,937.0	27,592.6	28,481.3	28,752.6	27,239.4	27,777.8	30,827.4	29,426.5	29,401.5
CAGAYAN VALLEY	67,320.3	59,761.1	66,232.8	71,560.7	74,372.2	77,118.1	77,177.3	73,794.6	73,855.2	72,634.0
Batanes	..	..	1,415.1	1,134.3	895.7	816.7	664.3	523.2	545.6	558.0
Cagayan	30,641.7	32,831.6	32,602.4	32,770.6	33,007.2	35,785.4	37,802.9	34,917.6	34,211.0	32,842.8
Isabela	25,582.9	15,678.8	21,168.7	26,679.6	29,424.2	30,235.8	29,050.9	28,313.2	29,029.4	28,839.1
Nueva Vizcaya	8,796.4	9,005.0	8,829.0	8,693.0	8,721.9	7,930.5	7,333.9	7,685.8	7,754.2	7,843.7
Quirino	2,299.3	2,245.7	2,217.6	2,283.3	2,323.2	2,349.8	2,325.3	2,354.7	2,315.1	2,550.3
CENTRAL LUZON	210,442.3	212,648.3	209,025.1	179,360.2	189,174.4	167,737.8	100,754.7	106,523.6	108,071.6	118,401.1
Aurora	203,800.0	206,090.0	202,565.0	173,017.0	182,950.0	161,325.0	94,377.0	100,214.1	101,621.3	111,676.1
Bataan	3,910.9	3,782.9	3,691.0	3,563.9	3,391.8	3,622.0	3,665.2	3,610.6	3,691.0	3,880.4
Bulacan	563.2	568.5	570.0	581.0	609.5	608.0	629.0	622.5	627.0	582.8
Nueva Ecija	765.9	767.1	772.3	757.8	765.3	747.0	741.7	755.2	785.3	839.4
Pampanga	194.5	198.0	206.0	211.0	216.0	221.1	224.1	220.0	225.7	221.6
Tarlac	393.6	405.7	417.7	434.0	452.2	440.5	434.2	449.7	469.1	588.0
Zambales	814.3	836.1	803.1	795.5	789.7	774.2	683.5	651.6	652.3	612.8
CALABARZON	1,394,637.7	1,390,853.8	1,417,439.0	1,434,803.7	1,380,491.0	1,379,297.8	1,517,414.0	1,549,308.0	1,679,779.3	1,643,478.8
Batangas	132,300.0	125,930.0	107,439.0	82,952.5	69,256.4	68,371.8	76,826.5	84,506.5	99,645.2	100,709.8
Cavite	39,708.9	40,322.3	40,386.4	41,143.6	36,511.3	35,930.7	41,712.7	44,205.2	44,685.0	38,808.2
Laguna	107,215.7	109,185.6	114,450.1	119,270.9	96,110.1	63,990.1	73,231.6	81,694.9	84,748.5	80,265.5
Quezon	1,114,764.0	1,114,760.5	1,154,500.3	1,190,719.4	1,177,892.9	1,210,224.6	1,324,913.4	1,338,141.3	1,449,926.8	1,422,880.1
Rizal	649.1	655.4	663.2	717.3	720.4	780.7	729.8	760.2	773.8	815.1
MIMAROPA	659,219.3	712,899.7	745,488.5	779,134.5	806,929.0	818,146.1	758,748.5	772,478.6	790,677.7	791,120.7
Marinduque	63,289.4	65,399.2	65,093.1	75,865.4	75,961.1	83,898.9	72,727.2	68,467.4	70,461.9	70,972.0
Occidental Mindoro	10,688.1	11,096.2	11,612.7	11,871.0	12,238.0	12,851.4	13,437.8	14,201.9	14,686.5	14,904.5
Oriental Mindoro	123,770.2	126,006.3	130,224.3	105,679.1	107,130.7	83,985.0	69,713.5	71,130.1	72,730.7	78,493.5
Palawan	240,081.8	289,262.2	309,968.0	357,882.0	397,579.6	413,628.9	385,793.3	399,086.0	408,690.6	409,833.0
Romblon	221,389.8	221,135.9	228,590.5	227,837.0	214,019.5	223,781.9	217,076.8	219,593.1	224,108.2	216,917.8
BICOL REGION	1,269,538.0	1,201,706.9	1,240,458.8	1,255,507.5	1,124,411.5	1,105,743.4	1,081,111.8	1,076,257.3	1,186,963.6	1,246,478.6
Albay	161,104.1	160,986.5	171,039.8	180,333.1	105,420.1	102,844.4	109,462.1	112,264.1	121,271.2	132,755.2
Camarines Norte	235,022.0	233,187.0	239,547.0	244,048.0	242,368.5	247,011.7	249,454.5	261,449.8	288,476.6	302,734.6
Camarines Sur	331,017.9	322,149.0	333,822.3	340,451.8	323,599.4	322,705.6	328,927.0	292,177.2	334,413.2	340,132.1
Catanduanes	3,782.3	4,055.4	4,181.4	4,398.1	4,738.8	4,966.5	5,130.7	3,817.6	4,140.6	4,596.9
Masbate	307,107.9	285,829.3	317,015.1	316,654.9	300,424.4	277,812.3	270,439.1	285,080.1	313,022.7	344,434.1
Sorsogon	231,503.9	195,499.8	174,853.3	169,621.7	147,860.3	150,402.9	117,698.5	121,468.5	125,639.3	121,825.7
WESTERN VISAYAS	472,744.9	459,783.7	477,952.5	470,652.7	359,825.9	410,887.9	435,057.2	467,671.3	488,254.3	513,397.1
Aklan	109,061.9	110,727.6	109,663.8	98,632.5	44,227.4	48,472.0	50,703.0	52,380.4	52,842.3	55,102.4
Antique	67,491.7	67,434.8	70,704.0	75,411.2	72,450.8	82,600.0	84,833.0	107,346.6	122,868.4	127,798.4
Capiz	90,631.4	90,666.2	97,890.6	91,161.7	42,580.3	64,711.1	75,260.2	76,196.2	79,315.1	88,400.8
Guimaras	24,316.6	23,763.2	26,442.9	26,675.0	27,816.8	29,908.6	29,566.9	30,677.3	33,974.5	37,179.6
Iloilo	72,403.2	56,727.5	62,449.2	67,054.6	59,152.4	68,855.0	70,258.0	72,635.6	69,380.0	68,985.0
Negros Occidental	108,840.0	110,464.4	110,802.0	111,717.9	113,598.3	116,341.3	124,436.2	128,435.2	129,874.0	135,931.0
CENTRAL VISAYAS	429,717.0	438,266.5	451,037.0	458,992.5	448,110.9	432,042.8	403,757.7	433,182.4	445,357.7	422,514.3
Bohol	183,846.7	158,668.3	165,853.7	172,697.9	177,573.4	156,620.0	145,029.3	163,033.8	170,292.8	150,473.7
Cebu	87,927.2	95,694.7	109,870.4	113,280.4	103,476.2	106,882.4	107,702.6	111,379.1	112,624.0	111,647.2
Negros Oriental	147,810.9	173,375.1	164,212.8	162,757.3	156,684.3	157,974.2	142,178.4	149,381.7	153,049.7	151,635.5
Siquijor	10,132.3	10,528.5	11,100.1	10,256.9	10,377.0	10,566.3	8,847.4	9,387.8	9,391.1	8,757.9
EASTERN VISAYAS	1,769,081.8	1,769,951.5	1,771,459.4	1,623,586.0	1,191,923.3	1,165,867.0	1,072,666.0	1,087,566.9	1,095,947.8	1,123,802.1
Biliran	57,358.5	58,455.7	58,990.4	61,416.5	51,051.3	51,104.7	51,221.0	52,349.0	49,412.7	48,785.0
Eastern Samar	274,596.3	274,836.9	274,851.8	265,987.4	189,661.2	158,234.9	156,959.2	166,997.8	168,855.8	174,533.7
Leyte	688,922.2	680,139.8	676,021.1	526,558.8	194,050.2	201,123.1	206,702.4	205,705.9	207,463.8	226,710.1
Northern Samar	327,895.0	337,690.1	345,208.9	355,709.0	366,401.2	362,524.6	269,928.5	268,711.7	269,848.1	272,526.5
Samar (Western Samar)	294,840.0	292,527.0	292,607.4	286,045.0	262,955.0	266,424.0	260,420.0	266,260.0	272,617.5	273,392.0
Southern Leyte	125,470.0	126,302.0	123,779.9	127,869.3	127,804.4	126,455.8	127,435.0	127,542.6	127,750.0	127,854.8
ZAMBOANGA PENINSULA	1,713,018.1	1,557,621.3	1,730,428.2	1,743,791.8	1,659,014.2	1,682,120.6	1,529,763.1	1,700,249.6	1,771,941.0	1,746,949.0
Zamboanga del Norte	712,884.4	599,248.8	754,245.0	766,339.8	736,199.5	784,076.4	665,775.3	780,648.4	849,559.2	838,702.7
Zamboanga del Sur	583,615.2	554,971.7	564,244.4	562,416.8	506,452.6	481,633.8	462,859.8	503,165.4	515,629.1	491,527.7
Zamboanga Sibugay	203,405.6	199,413.3	204,898.7	206,066.7	204,383.6	202,975.4	204,660.9	232,234.2	223,116.3	230,195.6
City of Zamboanga	213,113.0	203,987.6	207,040.2	208,968.5	211,978.5	213,435.0	196,467.2	184,201.6	183,636.5	186,523.0
NORTHERN MINDANAO	1,757,164.5	1,745,949.5	1,816,501.5	1,816,577.7	1,838,404.7	1,851,702.1	1,802,402.6	1,807,046.2	1,839,731.5	1,836,112.4
Bukidnon	49,188.7	44,556.2	53,637.4	53,259.0	54,643.0	53,393.3	40,216.3	39,316.1	48,937.2	51,156.8
Camiguin	103,557.3	103,152.7	108,006.4	106,670.8	104,325.2	102,466.8	100,504.1	97,018.6	98,592.3	97,233.9
Lanao del Norte	570,967.8	566,848.0	578,098.0	579,225.7	586,380.0	589,234.8	580,104.6	579,396.0	580,649.0	580,500.9
Misamis Occidental	540,795.0	546,441.9	558,424.4	562,117.2	572,602.5	582,151.0	570,075.2	569,897.5	571,749.0	565,150.0
Misamis Oriental	492,655.7	484,950.8	518,335.3	515,305.0	520,454.0	524,456.3	511,502.4	521,418.0	539,804.0	542,070.8
DAVAO REGION	2,635,866.6	2,627,248.2	2,720,232.6	2,275,979.6	2,332,089.5	2,246,187.5	1,894,663.1	1,886,599.9	1,932,559.2	1,931,955.5
Davao del Norte	240,764.5	239,304.2	239,635.5	228,096.2	233,921.6	228,876.5	219,317.6	216,663.8	220,929.6	211,770.2
Davao del Sur	842,342.8	837,687.0	894,508.1	912,016.9	938,557.1	872,895.9	586,774.7	565,912.6	615,674.2	218,404.1
City of Davao	247,031.6	253,548.4	261,295.3	265,995.1	255,511.9	255,639.9	252,905.7	255,819.1	256,571.9	255,932.2
Davao Oriental	1,040,863.6	1,046,223.7	1,071,895.9	693,414.0	724,773.3	703,641.0	653,887.6	666,056.1	657,165.4	657,322.9
Davao de Oro (Compostela Valley)	264,864.2	250,484.9	252,897.8	176,457.4	179,325.7	185,134.3	181,777.6	182,148.3	182,218.1	181,877.3
Davao Occidental	..	..	..	..	..	..	..	..	..	406,648.9
SOCCSKSARGEN	864,270.4	879,867.5	985,175.4	1,040,610.0	1,071,706.8	1,159,818.1	958,350.9	938,162.3	1,136,422.0	1,160,991.1
North Cotabato	181,790.7	187,992.5	189,834.4	194,869.8	197,192.5	196,721.3	175,291.2	168,952.9	179,883.3	189,251.3
Sarangani	363,915.9	365,104.5	441,578.4	450,243.1	452,979.3	502,889.9	391,750.5	387,879.1	534,101.2	559,402.4
South Cotabato	160,762.4	164,345.4	173,572.8	178,316.5	180,604.7	181,396.1	155,583.1	150,445.6	185,392.6	174,479.7
Sultan Kudarat	157,801.4	162,425.1	180,189.8	217,180.8	240,930.3	278,810.8	235,726.1	230,884.8	237,044.8	237,857.7
CARAGA	974,213.4	879,399.5	880,883.1	834,917.2	821,512.7	804,722.8	775,472.7	781,615.4	794,555.2	781,883.6
Agusan del Norte	161,984.9	152,914.2	154,737.6	159,448.5	156,741.5	158,349.4	169,238.3	170,713.3	171,979.2	171,618.1
Agusan del Sur	42,205.3	40,950.0	43,360.8	37,552.3	42,243.0	38,137.3	49,770.3	47,544.8	47,838.5	48,683.9
Dinagat Islands	..	..	..	12,426.7	10,788.5	11,172.0	10,397.3	10,897.2	10,648.0	8,915.8
Surigao del Norte	317,371.9	265,307.6	265,752.6	222,882.9	208,105.3	199,839.7	168,335.0	165,368.4	152,814.4	136,819.8
Surigao del Sur	452,651.4	420,227.7	417,032.0	402,606.8	403,634.5	397,224.4	377,731.7	387,091.8	411,275.1	415,846.0
ARMM	1,254,755.5	1,269,268.4	1,311,218.9	1,327,299.0	1,356,181.6	1,393,167.9	1,376,545.2	1,324,068.9	1,338,625.2	1,331,805.0
Basilan	212,581.6	196,102.0	204,023.4	193,180.0	182,236.3	163,250.8	123,594.0	64,446.4	49,153.8	37,745.6
Lanao del Sur	174,120.4	175,153.5	174,345.6	171,246.7	177,145.3	184,781.1	185,224.3	186,574.3	187,276.0	187,566.5
Maguindanao	509,766.5	541,040.9	563,370.5	590,191.4	621,104.0	664,087.5	706,927.2	716,753.3	743,368.4	752,610.8
Sulu	206,796.5	200,492.0	206,917.7	207,882.9	210,234.0	215,470.5	210,185.7	214,231.0	217,286.0	217,091.1
Tawi-tawi	151,490.5	156,480.0	162,561.8	164,798.0	165,462.0	165,578.0	150,614.0	142,064.0	141,541.0	136,791.0

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee (dried berries)										
PHILIPPINES	**94,536.0**	**88,526.1**	**88,943.0**	**78,633.9**	**75,454.5**	**72,341.8**	**68,822.9**	**62,078.0**	**60,312.8**	**60,043.9**
CAR	5,608.1	5,627.1	5,673.2	5,464.8	5,251.5	5,210.0	3,735.9	1,886.2	2,199.0	1,595.9
Abra	54.4	54.1	53.5	52.4	51.5	52.4	54.7	56.3	58.9	57.2
Apayao	14.4	13.4	12.8	16.0	19.9	23.0	23.2	17.1	16.7	12.3
Benguet	487.6	486.6	491.7	501.0	535.6	540.8	523.3	520.8	515.1	527.5
Ifugao	1,075.8	1,053.8	1,061.4	1,052.4	1,029.4	985.4	943.4	893.6	722.8	507.6
Kalinga	3,803.0	3,857.2	3,898.5	3,698.5	3,470.0	3,480.4	2,080.0	311.2	801.2	413.3
Mountain Province	173.0	162.2	155.4	144.6	145.1	128.1	111.3	87.1	84.3	78.1
ILOCOS REGION	106.6	94.3	85.5	84.1	83.5	80.3	176.8	158.7	158.0	155.0
Ilocos Norte	0.7	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	1.9
Ilocos Sur	47.1	49.3	50.2	50.8	51.7	48.6	76.1	63.2	69.0	68.3
La Union	56.4	42.3	32.4	30.5	29.1	27.7	21.7	16.8	16.2	16.8
Pangasinan	2.4	2.3	2.4	2.3	2.2	3.4	78.3	78.1	72.1	68.0
CAGAYAN VALLEY	1,040.4	1,012.3	812.8	767.0	744.1	743.0	772.0	776.9	877.9	938.7
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	51.5	46.4	49.9	52.3	48.7	47.7	53.0	27.0	32.5	27.4
Isabela	30.2	18.2	19.8	21.7	22.5	23.9	21.8	20.2	21.0	19.4
Nueva Vizcaya	907.3	904.5	721.0	663.9	642.6	623.0	674.6	694.0	794.0	844.4
Quirino	51.6	43.2	22.1	29.2	30.2	48.4	22.7	35.7	30.3	47.6
CENTRAL LUZON	1,768.3	1,698.6	1,698.9	1,705.3	1,645.5	1,648.6	1,181.1	1,089.4	1,040.2	882.3
Aurora	268.5	274.4	275.2	260.0	256.8	233.0	191.0	136.5	131.7	68.0
Bataan	309.7	305.0	333.0	326.0	328.5	330.0	326.0	294.4	255.8	163.8
Bulacan	1,189.8	1,119.0	1,090.5	1,119.3	1,060.2	1,085.6	662.4	656.8	651.7	649.0
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	0.3	0.3	0.2	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	1.6	1.8	1.1	1.5
CALABARZON	8,764.1	5,549.5	8,568.1	5,237.7	4,691.2	2,272.2	2,817.5	2,109.3	2,057.7	1,496.3
Batangas	1,202.9	1,027.7	994.8	753.5	713.0	666.6	610.3	448.4	395.0	489.6
Cavite	7,000.2	4,022.3	7,086.0	3,998.9	3,514.0	1,219.4	1,811.7	1,334.4	1,330.0	739.8
Laguna	78.4	60.8	63.5	76.3	80.8	70.0	71.0	70.9	71.7	72.8
Quezon	403.2	365.7	347.9	328.8	301.4	252.7	264.0	254.9	260.5	193.3
Rizal	79.5	73.0	75.9	80.2	82.1	63.6	60.6	0.6	0.5	0.9
MIMAROPA	204.1	199.6	193.9	183.0	181.6	178.2	166.7	161.4	158.3	154.7
Marinduque	30.7	31.9	33.5	31.1	29.6	28.1	26.2	24.1	24.6	22.6
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	60.3	59.1	58.0	51.2	49.1	45.4	39.4	37.4	32.9	31.7
Palawan	113.2	108.7	102.4	100.8	102.9	104.7	101.1	99.9	100.8	100.4
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	336.3	327.2	331.5	325.5	299.0	295.7	266.8	250.8	226.4	205.9
Albay	105.9	103.7	106.9	113.7	97.9	100.5	93.9	84.9	69.4	71.8
Camarines Norte	25.4	23.9	25.1	25.8	26.0	26.5	27.5	29.3	28.8	24.7
Camarines Sur	26.3	26.5	26.8	27.0	26.2	25.6	23.5	21.4	19.1	17.1
Catanduanes	1.9	2.0	2.0	2.0	2.0	2.0	2.0	0.6	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	176.8	171.1	170.7	157.0	146.8	141.1	119.9	114.6	109.1	92.2
WESTERN VISAYAS	5,625.2	5,915.7	5,694.7	4,938.5	4,345.8	4,390.7	4,356.3	4,434.9	4,219.0	4,313.5
Aklan	4.0	1.1	..	..	..	..	..	..	..	0.5
Antique	28.6	27.4	26.3	26.0	25.4	24.9	26.5	28.1	26.9	30.0
Capiz	1,696.0	1,803.0	1,803.7	1,133.8	942.7	895.2	899.9	885.8	872.5	819.0
Guimaras	18.7	20.8	20.0	19.7	10.9	10.2	7.3	6.9	7.4	7.6
Iloilo	3,152.9	3,367.6	3,198.5	3,081.6	2,723.3	2,798.8	2,722.3	2,856.1	2,662.1	2,810.9
Negros Occidental	725.1	695.8	646.2	677.4	643.5	661.6	700.3	658.0	650.0	645.5
CENTRAL VISAYAS	213.5	234.1	239.5	235.1	218.4	208.9	191.2	197.7	191.4	177.3
Bohol	2.2	5.3	10.0	26.2	41.6	57.4	52.0	55.9	39.3	36.6
Cebu	2.5	3.6	4.7	3.3	3.5	3.3	4.1	5.7	5.7	5.4
Negros Oriental	208.6	225.1	224.9	205.6	173.3	148.2	135.1	136.1	146.4	135.3
Siquijor	0.2	0.1	..	..	..	..	..	..	..	..
EASTERN VISAYAS	212.5	201.3	192.8	128.3	61.5	59.4	70.6	63.9	60.7	57.9
Biliran	5.3	5.1	4.9	4.6	4.0	3.9	3.4	3.5	4.1	4.8
Eastern Samar	14.7	14.3	13.2	13.3	8.7	5.1	4.8	0.9	0.4	0.2
Leyte	89.9	87.8	85.2	56.4	24.4	25.1	38.1	35.3	33.0	29.3
Northern Samar	..	..	..	..	..	1.9	2.9	3.7	3.7	3.8
Samar (Western Samar)	7.7	7.6	7.6	6.5	6.0	6.1	6.1	6.4	6.7	6.3
Southern Leyte	95.0	86.5	81.9	47.5	18.5	17.3	15.3	14.2	12.8	13.5
ZAMBOANGA PENINSULA	1,202.4	1,022.9	993.3	961.1	969.3	1,007.3	777.2	513.8	508.4	491.5
Zamboanga del Norte	846.3	713.3	714.4	713.0	740.6	774.1	549.2	301.3	294.2	280.5
Zamboanga del Sur	61.2	44.6	31.7	25.6	21.2	20.3	18.7	18.8	19.8	19.0
Zamboanga Sibugay	130.0	115.2	128.8	113.4	105.0	113.1	111.5	107.8	107.3	104.3
City of Zamboanga	164.9	149.9	118.5	109.2	102.5	99.8	97.8	86.0	87.1	87.7
NORTHERN MINDANAO	5,956.8	5,858.0	5,225.3	5,334.8	5,415.7	5,436.8	5,605.0	5,695.4	5,739.1	5,839.4
Bukidnon	4,624.8	4,562.0	3,948.0	4,100.0	4,224.5	4,254.7	4,423.5	4,530.7	4,631.0	4,729.5
Camiguin	16.4	13.7	11.5	11.0	9.9	9.2	6.5	6.1	5.5	4.9
Lanao del Norte	601.3	576.6	555.3	540.8	543.0	527.3	503.2	465.2	406.5	402.7
Misamis Occidental	28.2	31.3	32.7	34.1	36.8	38.7	38.4	39.3	34.3	32.1
Misamis Oriental	686.1	674.4	677.7	648.8	601.5	606.9	633.3	654.1	661.9	670.2
DAVAO REGION	22,681.6	20,465.1	18,949.9	12,389.0	11,792.7	11,680.6	11,429.8	10,840.0	10,833.2	10,715.4
Davao del Norte	1,134.9	1,144.3	1,156.2	1,133.7	1,154.4	1,173.6	1,193.5	1,189.9	1,177.0	1,169.9
Davao del Sur	4,760.3	4,803.5	4,830.9	4,854.6	5,082.9	5,153.9	5,007.5	4,764.7	4,808.3	3,591.1
City of Davao	3,625.3	3,128.4	2,885.0	2,753.1	2,641.9	2,552.7	2,480.3	2,261.8	2,186.4	2,144.3
Davao Oriental	1,546.8	1,521.8	1,480.9	1,436.8	1,399.1	1,367.3	1,348.4	1,364.4	1,365.5	1,337.9
Davao de Oro (Compostela Valley)	11,614.3	9,867.1	8,596.8	2,210.8	1,514.4	1,433.1	1,400.0	1,259.2	1,296.1	1,296.6
Davao Occidental	..	..	..	..	..	..	..	..	..	1,175.6
SOCCSKSARGEN	27,761.4	27,423.2	27,868.5	28,891.4	28,000.2	26,957.8	25,100.8	22,118.8	19,901.9	20,560.1
North Cotabato	2,669.7	2,636.1	2,733.8	2,821.1	2,858.2	2,860.7	2,014.2	2,057.1	1,913.6	1,595.1
Sarangani	521.4	534.9	539.6	550.8	555.5	552.7	538.3	550.5	564.7	567.5
South Cotabato	1,781.0	1,897.3	1,885.7	1,957.4	1,973.5	1,947.2	1,429.1	1,465.8	1,491.3	1,472.4
Sultan Kudarat	22,789.3	22,355.0	22,709.4	23,562.1	22,613.1	21,597.3	21,119.3	18,045.3	15,932.3	16,925.1
CARAGA	2,251.7	2,007.5	1,786.8	1,497.2	1,405.5	1,646.0	1,833.9	1,583.2	1,664.5	1,774.9
Agusan del Norte	209.4	111.3	88.5	65.8	71.3	80.4	90.4	84.8	80.9	90.8
Agusan del Sur	325.5	249.1	237.2	67.8	40.7	42.4	32.7	95.5	92.8	100.5
Dinagat Islands	..	..	..	0.2	0.2	0.1	0.1	0.1	0.2	0.3
Surigao del Norte	13.7	7.7	7.1	4.8	3.1	2.0	1.6	1.6	1.4	1.1
Surigao del Sur	1,703.1	1,639.4	1,454.0	1,358.5	1,290.3	1,521.1	1,709.1	1,401.3	1,489.3	1,582.3
ARMM	10,802.9	10,889.6	10,628.6	10,491.2	10,349.2	10,526.4	10,341.6	10,197.5	10,477.2	10,685.2
Basilan	1,980.8	1,938.8	1,878.7	1,827.0	1,783.4	1,781.4	1,732.5	1,736.8	1,866.3	1,815.7
Lanao del Sur	286.5	290.9	292.5	301.1	302.9	318.2	322.5	320.6	332.0	333.2
Maguindanao	3,363.5	3,355.4	3,369.1	3,358.9	3,348.6	3,432.0	3,401.9	3,145.7	3,230.1	3,505.9
Sulu	5,050.6	5,186.7	4,985.3	4,910.5	4,831.4	4,906.5	4,802.3	4,905.6	4,952.4	4,937.3
Tawi-tawi	121.5	117.9	103.1	93.7	83.0	88.4	82.5	88.9	96.5	93.2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Arabica (dried berries)										
PHILIPPINES	**19,420.5**	**19,002.3**	**18,783.2**	**18,593.5**	**18,028.5**	**17,434.0**	**16,755.8**	**14,484.7**	**13,706.2**	**14,102.3**
CAR	550.3	549.8	555.1	548.3	578.6	582.1	531.3	521.4	518.6	526.7
Abra	24.5	24.6	24.4	23.9	23.2	23.2	24.8	25.4	27.3	26.1
Apayao	5.1	4.5	4.3	6.5	6.0	5.7	5.6	3.6	3.5	2.8
Benguet	399.1	397.8	403.0	411.0	445.3	451.7	437.6	436.0	431.0	443.3
Ifugao	18.6	16.7	16.9	16.5	15.4	15.0	13.7	12.4	11.1	9.4
Kalinga	57.0	58.2	56.5	40.0	36.0	35.0	..	..	..	..
Mountain Province	46.1	48.2	50.0	50.6	52.6	51.6	49.6	44.1	45.7	45.1
ILOCOS REGION	37.9	30.3	24.8	23.7	22.6	23.7	86.5	83.4	77.2	74.6
Ilocos Norte	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1
Ilocos Sur	5.0	5.4	5.5	5.5	5.6	5.5	6.1	5.8	5.0	4.9
La Union	31.4	23.6	17.9	16.8	15.7	15.6	11.9	9.3	8.9	9.0
Pangasinan	1.4	1.3	1.4	1.3	1.2	2.5	68.3	68.2	63.2	59.7
CAGAYAN VALLEY	210.4	201.1	150.1	151.3	144.2	139.4	153.2	138.0	160.0	155.8
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	41.9	37.7	40.7	42.6	39.9	39.1	43.3	21.5	23.2	19.1
Isabela	10.8	6.3	6.8	7.3	7.5	8.0	7.1	6.5	6.7	6.0
Nueva Vizcaya	156.0	155.6	102.0	100.0	95.2	90.9	102.1	109.0	129.2	129.5
Quirino	1.8	1.6	0.6	1.4	1.6	1.3	0.8	1.0	0.9	1.1
CENTRAL LUZON	5.8	5.5	5.3	5.4	5.1	5.2	0.1	0.1	0.1	0.4
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	5.8	5.5	5.3	5.4	5.1	5.2	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	0.1	0.1	0.1	0.4
CALABARZON	76.0	69.4	69.2	65.5	60.6	10.6	10.0	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	6.9	6.2	6.3	5.4	3.2	0.2	0.2	..	..	..
Quezon	45.3	41.4	39.6	34.7	31.4	0.2	0.1	..	..	..
Rizal	23.9	21.8	23.3	25.4	26.0	10.3	9.8	..	..	..
MIMAROPA	5.7	5.5	5.2	4.9	4.4	3.5	3.2	2.8	2.9	2.9
Marinduque	3.6	3.8	3.9	3.7	3.6	2.7	2.4	2.2	2.2	2.2
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Palawan	1.9	1.6	1.1	1.0	0.7	0.7	0.6	0.6	0.6	0.6
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	74.9	73.1	74.4	75.9	69.4	69.6	65.3	61.2	54.8	47.1
Albay	27.9	27.4	28.2	29.9	25.3	25.9	24.2	22.4	18.7	16.5
Camarines Norte	9.9	8.9	9.3	9.8	9.9	10.1	10.8	11.5	11.3	9.3
Camarines Sur	11.9	12.0	12.1	12.1	11.7	11.5	10.5	9.6	8.4	7.5
Catanduanes	1.9	2.0	2.0	2.0	2.0	2.0	2.0	0.6	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	23.4	22.8	22.8	22.1	20.5	20.1	17.8	17.1	16.4	13.8
WESTERN VISAYAS	884.6	928.0	878.9	848.8	766.6	781.8	774.1	708.0	676.3	705.7
Aklan	0.0	..	..	..	..	..	..	..	..	0.1
Antique	10.6	10.2	9.8	9.8	9.5	9.3	10.2	11.0	9.8	10.3
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	1.8	2.0	1.8	1.6	0.4	0.2	0.2	0.1	..	..
Iloilo	872.2	915.8	867.3	837.4	756.8	772.2	763.8	696.9	666.5	695.3
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	23.2	25.1	23.1	27.8	26.4	24.1	22.9	24.8	22.8	21.3
Bohol	1.5	1.5	1.8	2.9	4.3	4.5	4.0	4.9	3.6	3.1
Cebu	0.3	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2
Negros Oriental	21.2	23.2	20.9	24.6	21.9	19.4	18.7	19.6	18.9	18.0
Siquijor	0.2	0.1	..	..	..	..	..	..	..	..
EASTERN VISAYAS	64.7	61.6	58.1	41.5	22.8	11.0	8.9	8.5	8.2	8.4
Biliran	2.7	2.4	2.2	2.0	1.7	1.7	1.4	1.4	1.6	1.9
Eastern Samar	3.1	3.1	2.0	2.0	1.5	0.8	0.7	0.3	0.2	0.1
Leyte	40.3	39.4	38.0	28.0	10.9	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	3.0	3.0	3.0	2.0	1.8	1.8	1.8	2.0	2.0	1.9
Southern Leyte	15.5	13.7	13.0	7.4	7.0	6.7	5.0	4.8	4.4	4.5
ZAMBOANGA PENINSULA	507.5	429.1	420.8	405.0	406.1	424.3	313.1	139.7	134.6	127.8
Zamboanga del Norte	374.8	310.6	310.8	308.0	313.9	328.9	219.5	54.8	49.9	43.0
Zamboanga del Sur	17.9	13.1	9.3	7.6	6.7	6.5	6.1	5.7	5.3	5.1
Zamboanga Sibugay	46.1	40.6	45.0	38.4	36.1	39.7	39.2	37.7	37.0	34.6
City of Zamboanga	68.7	64.9	55.7	50.9	49.4	49.3	48.3	41.6	42.3	45.0
NORTHERN MINDANAO	386.1	381.2	378.4	379.4	380.0	372.1	335.0	295.3	229.2	207.0
Bukidnon	5.0	10.0	15.0	24.0	30.0	33.5	37.7	40.2	43.0	44.6
Camiguin	3.8	3.1	2.9	2.9	2.5	2.3	1.5	1.3	1.2	0.9
Lanao del Norte	348.6	337.5	329.0	321.8	315.5	304.1	263.0	220.2	158.9	140.6
Misamis Occidental	24.4	27.0	27.8	28.0	29.2	29.8	29.5	30.1	22.7	17.4
Misamis Oriental	4.3	3.6	3.6	2.8	2.8	2.4	3.3	3.5	3.5	3.6
DAVAO REGION	3,004.0	2,798.8	2,690.5	2,384.9	2,354.7	2,330.4	2,247.4	2,200.5	2,205.9	2,177.3
Davao del Norte	351.6	353.0	357.9	351.2	358.0	364.3	358.3	344.2	335.1	317.2
Davao del Sur	1,335.0	1,344.4	1,351.7	1,357.7	1,435.8	1,426.6	1,374.5	1,380.0	1,407.2	1,402.1
City of Davao	586.2	470.0	443.0	422.7	386.8	374.8	360.7	336.9	325.7	322.5
Davao Oriental	81.2	80.7	79.7	75.8	75.9	73.8	71.7	72.6	73.9	73.6
Davao de Oro (Compostela Valley)	650.1	550.8	458.2	177.5	98.3	90.9	82.2	66.9	64.0	61.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	11,841.4	11,712.7	11,767.3	11,984.5	11,575.5	11,023.9	10,605.2	8,674.5	7,941.1	8,379.0
North Cotabato	397.2	396.9	415.4	449.4	464.3	443.2	354.0	357.8	368.6	307.9
Sarangani	254.8	263.3	265.6	272.3	274.3	272.5	266.3	272.0	274.3	278.5
South Cotabato	871.8	903.5	889.9	932.2	940.3	924.4	856.8	878.2	887.5	876.0
Sultan Kudarat	10,317.6	10,149.0	10,196.4	10,330.7	9,896.6	9,383.8	9,128.2	7,166.5	6,410.8	6,916.6
CARAGA	1.5	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	1.5	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	1,746.4	1,731.2	1,682.0	1,646.8	1,611.5	1,632.5	1,599.6	1,626.4	1,674.7	1,668.5
Basilan	280.2	270.0	260.3	254.7	245.0	243.0	240.0	240.2	250.9	247.5
Lanao del Sur	1.0	1.0	1.0	0.9	1.0	7.1	7.2	7.2	7.4	7.5
Maguindanao	452.0	449.0	447.0	437.3	428.0	428.0	420.0	407.2	417.8	418.5
Sulu	966.4	965.0	932.0	917.0	907.0	921.0	901.0	937.0	960.5	958.6
Tawi-tawi	46.8	46.2	41.7	36.9	30.5	33.4	31.4	34.9	38.1	36.4

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Excelsa (dried berries)										
PHILIPPINES	**6,353.8**	**5,915.8**	**5,736.8**	**4,916.8**	**4,725.2**	**4,546.4**	**4,268.6**	**4,064.5**	**4,039.3**	**3,907.9**
CAR	84.6	86.4	88.4	84.1	78.6	77.5	58.0	31.3	28.2	27.6
Abra	6.6	6.6	6.5	6.4	6.4	6.9	7.2	7.4	7.5	7.4
Apayao	1.5	1.9	1.7	2.0	1.8	1.7	1.7	0.9	0.9	0.7
Benguet	22.5	22.2	21.8	22.1	21.4	20.1	19.2	18.8	18.6	18.8
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	53.0	55.0	58.0	53.5	49.0	48.8	30.0	4.2	1.2	0.8
Mountain Province	1.0	0.9	0.3	..	..	..	..	..	..	..
ILOCOS REGION	18.6	17.2	16.0	15.9	16.1	15.4	15.1	12.5	12.8	12.8
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	10.2	10.8	11.0	11.3	11.5	11.3	11.5	9.7	10.1	9.9
La Union	8.5	6.3	5.0	4.7	4.6	4.1	3.6	2.8	2.7	2.9
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	155.2	153.0	120.2	104.2	99.5	95.5	107.4	115.8	128.6	129.3
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.1
Isabela	2.2	1.4	1.5	1.6	1.7	1.8	1.6	1.4	1.5	1.4
Nueva Vizcaya	145.0	144.5	115.0	98.0	93.2	89.4	103.0	110.9	124.4	124.6
Quirino	7.8	6.9	3.5	4.3	4.4	4.1	2.6	3.4	2.5	3.2
CENTRAL LUZON	41.1	40.6	37.9	35.0	34.5	27.7	20.0	16.5	4.9	4.5
Aurora	33.5	33.4	30.9	27.8	27.5	20.5	15.0	11.5	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	7.6	7.2	7.0	7.2	7.0	7.2	5.0	5.0	4.9	4.5
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	891.0	725.1	816.1	586.9	547.1	380.8	381.7	365.7	385.1	387.8
Batangas	334.0	284.0	333.0	255.0	243.5	219.0	195.0	169.0	190.4	223.0
Cavite	406.7	310.5	356.5	209.9	191.1	66.9	87.5	91.6	89.4	76.3
Laguna	9.1	4.3	4.5	7.3	7.5	6.8	6.9	6.9	7.0	7.1
Quezon	128.7	115.6	110.4	101.8	91.9	80.7	85.4	98.2	98.3	81.4
Rizal	12.5	10.8	11.7	12.8	13.1	7.5	7.0	..	..	..
MIMAROPA	44.3	41.5	38.8	33.2	30.2	27.5	25.5	23.9	22.7	19.8
Marinduque	4.1	4.2	4.4	4.3	4.1	2.9	2.7	2.4	2.4	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	18.2	17.7	17.4	14.2	13.3	12.4	11.1	10.2	8.9	8.5
Palawan	22.1	19.5	16.9	14.7	12.8	12.2	11.7	11.4	11.4	11.3
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	1.3	1.3	1.2	1.2	1.1	1.0	0.8	0.7	0.7	0.7
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	1.3	1.3	1.2	1.2	1.1	1.0	0.8	0.7	0.7	0.7
WESTERN VISAYAS	1.6	1.6	1.5	1.5	1.4	1.5	1.5	1.4	1.5	1.7
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	1.6	1.6	1.5	1.5	1.4	1.5	1.5	1.4	1.5	1.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	0.0	..	..	..	..	..	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	0.0	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	42.8	41.9	40.4	26.4	14.4	19.5	26.3	24.3	23.0	20.3
Biliran	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.5	0.6	0.3
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	22.8	22.5	21.9	13.2	6.1	11.5	18.7	17.3	16.2	13.8
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.9	1.0	0.9
Southern Leyte	18.2	17.5	16.7	11.5	6.7	6.5	6.1	5.6	5.2	5.3
ZAMBOANGA PENINSULA	143.1	125.0	117.0	108.9	107.4	109.2	87.1	60.2	51.5	48.1
Zamboanga del Norte	64.1	54.4	54.6	53.5	55.4	58.4	37.7	16.7	8.3	6.8
Zamboanga del Sur	12.2	9.3	6.9	5.0	4.3	4.0	3.7	3.4	3.2	3.1
Zamboanga Sibugay	22.5	19.7	22.3	19.6	18.2	19.2	18.9	17.9	17.7	16.4
City of Zamboanga	44.4	41.5	33.1	30.8	29.6	27.6	26.8	22.1	22.3	21.7
NORTHERN MINDANAO	353.9	348.9	346.4	297.6	260.9	250.0	266.3	267.6	269.0	269.3
Bukidnon	7.0	7.0	3.0	6.0	7.5	8.2	8.9	9.5	10.2	10.5
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	29.1	25.8	24.3	24.1	23.3	20.8	17.5	11.8	7.4	4.0
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	317.8	316.1	319.1	267.5	230.1	221.0	240.0	246.3	251.5	254.8
DAVAO REGION	2,432.6	2,236.2	2,061.8	1,601.7	1,504.8	1,476.1	1,426.9	1,258.1	1,195.6	1,155.1
Davao del Norte	182.2	181.7	184.8	179.4	184.8	187.7	184.4	177.0	169.0	161.0
Davao del Sur	743.0	754.9	761.5	768.1	793.2	782.2	765.1	634.5	591.2	572.1
City of Davao	445.5	380.7	348.8	331.2	308.1	295.9	278.9	266.9	259.0	251.2
Davao Oriental	124.1	121.6	120.4	114.2	114.2	110.8	107.3	107.5	106.6	103.1
Davao de Oro (Compostela Valley)	937.9	797.3	646.4	208.8	104.5	99.6	91.3	72.3	69.8	67.7
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	593.6	574.6	599.4	612.6	625.5	635.2	464.4	469.6	502.7	423.5
North Cotabato	534.8	515.7	539.9	552.3	564.5	574.3	405.4	411.6	447.1	374.5
Sarangani	49.6	51.8	52.3	53.0	53.9	54.2	52.5	54.5	53.5	47.0
South Cotabato	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.4	0.5	0.4
Sultan Kudarat	8.8	6.8	6.7	6.8	6.6	6.3	6.3	3.0	1.7	1.5
CARAGA	60.8	30.5	22.2	10.1	6.8	5.1	3.8	2.4	2.0	1.7
Agusan del Norte	36.4	15.8	9.8	3.4	2.5	1.9	1.5	0.8	0.5	0.4
Agusan del Sur	22.0	13.2	10.8	5.5	3.6	2.7	1.9	1.2	1.0	1.0
Dinagat Islands	..	..	..	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Surigao del Norte	2.4	1.5	1.6	1.0	0.6	0.4	0.3	0.4	0.3	0.2
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	1,489.3	1,492.3	1,429.5	1,397.6	1,396.9	1,424.8	1,383.9	1,414.6	1,411.2	1,405.9
Basilan	25.6	24.3	23.8	23.1	22.4	23.4	22.5	22.5	25.1	24.2
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	23.8	21.4	21.3	16.8	16.1	15.5	14.3	13.8	13.7	14.9
Sulu	1,365.3	1,375.0	1,323.0	1,301.0	1,306.0	1,331.0	1,296.0	1,324.3	1,314.0	1,310.0
Tawi-tawi	74.7	71.7	61.4	56.8	52.5	55.0	51.1	54.0	58.4	56.8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Liberica (dried berries)										
PHILIPPINES	**633.4**	**629.6**	**598.4**	**563.2**	**532.9**	**514.4**	**499.4**	**496.0**	**496.4**	**483.6**
CAR	17.6	17.3	16.9	16.6	16.4	16.2	16.1	16.5	16.9	16.8
Abra	17.6	17.3	16.9	16.6	16.4	16.2	16.1	16.5	16.9	16.8
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	9.8	8.5	7.0	6.7	6.2	6.1	6.5	6.0	7.8	7.6
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	1.8	1.6	1.7	1.8	1.7	1.6	1.8	0.9	1.0	0.8
Isabela	1.8	1.2	1.2	1.3	1.4	1.5	1.4	1.3	1.4	1.3
Nueva Vizcaya	6.3	5.6	4.0	3.6	3.1	3.0	3.4	3.8	5.4	5.5
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	3.5	3.3	3.2	3.3	3.1	3.2	1.8	1.8	1.8	1.7
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	3.5	3.3	3.2	3.3	3.1	3.2	1.8	1.8	1.8	1.7
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	129.4	111.5	113.8	99.2	94.4	74.9	74.3	75.9	79.1	68.3
Batangas	27.9	24.0	25.8	21.5	19.5	20.6	18.4	20.3	22.4	23.3
Cavite	31.3	23.4	27.0	17.5	15.6	4.7	4.8	3.1	2.9	2.8
Laguna	1.3	1.1	1.2	3.6	5.6	5.0	5.1	5.1	5.2	5.2
Quezon	69.0	63.0	59.9	56.6	53.7	44.6	46.0	47.4	48.7	37.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	33.4	30.4	24.6	20.5	18.7	17.8	15.7	15.2	14.4	14.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	11.5	11.3	11.1	10.2	9.9	9.1	8.0	7.7	6.9	6.7
Palawan	22.0	19.2	13.5	10.2	8.9	8.7	7.7	7.5	7.5	7.5
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	4.6	4.3	4.3	4.1	4.3	4.0	3.3	3.1	3.0	2.8
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	4.6	4.3	4.3	4.1	4.3	4.0	3.3	3.1	3.0	2.8
WESTERN VISAYAS	156.3	166.3	161.3	156.0	140.3	142.2	137.8	131.6	126.7	130.5
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	1.0	1.1	1.1	1.0	0.2	0.2	0.2	0.1	..	..
Iloilo	155.3	165.2	160.2	155.0	140.0	142.0	137.6	131.4	126.7	130.5
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	8.9	9.1	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	8.9	9.1	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	13.2	12.8	12.6	7.9	3.4	6.5	9.4	8.5	7.9	7.1
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	13.2	12.8	12.6	7.9	3.4	6.5	9.4	8.5	7.9	7.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	5.8	4.6	4.5	4.3	3.3	3.6	1.3	1.2	1.2	1.1
Zamboanga del Norte	1.4	1.5	1.5	1.6	1.8	2.1	..	..	..	..
Zamboanga del Sur	2.5	1.6	1.3	1.2	0.9	0.9	0.8	0.7	0.7	0.6
Zamboanga Sibugay	1.0	0.9	1.1	0.9	..	..	..	..	..	..
City of Zamboanga	0.9	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
NORTHERN MINDANAO	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	83.3	83.6	83.4	81.6	83.5	78.5	76.8	75.5	73.9	71.8
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	18.1	19.6	20.1	21.2	22.5	19.2	18.8	17.4	16.5	15.9
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	65.2	64.0	63.3	60.4	61.1	59.3	57.9	58.1	57.4	55.9
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	2.0	2.3	2.4	2.6	2.8	2.7	2.2	2.9	3.1	2.1
North Cotabato	2.0	2.3	2.4	2.6	2.8	2.7	2.2	2.9	3.1	2.1
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	1.0	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	1.0	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	164.6	175.5	163.1	159.9	156.2	158.9	154.1	157.9	160.7	159.5
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	164.6	175.5	163.1	159.9	156.2	158.9	154.1	157.9	160.7	159.5
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Coffee Robusta (dried berries)										
PHILIPPINES	**67,933.1**	**62,978.4**	**63,824.6**	**54,560.3**	**52,168.0**	**49,847.1**	**47,299.1**	**43,032.8**	**42,070.9**	**41,550.1**
CAR	4,772.1	4,973.6	5,012.8	4,815.9	4,577.9	4,534.3	3,130.5	1,316.9	1,635.3	1,024.8
Abra	5.7	5.7	5.6	5.5	5.5	6.1	6.7	7.0	7.1	6.9
Apayao	7.3	7.0	6.8	7.5	12.1	15.6	16.0	12.6	12.4	8.8
Benguet	66.0	66.7	66.9	67.9	68.9	69.1	66.4	66.0	65.5	65.4
Ifugao	1,057.2	1,037.2	1,044.5	1,035.9	1,014.0	970.5	929.7	881.2	711.7	498.2
Kalinga	3,510.0	3,744.0	3,784.0	3,605.0	3,385.0	3,396.6	2,050.0	307.0	800.0	412.5
Mountain Province	125.9	113.1	105.0	94.0	92.5	76.5	61.7	43.1	38.6	33.0
ILOCOS REGION	50.0	46.9	44.7	44.5	44.8	41.3	75.1	62.8	68.0	67.6
Ilocos Norte	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.9
Ilocos Sur	31.9	33.1	33.7	34.1	34.7	31.8	58.5	47.7	54.0	53.5
La Union	16.6	12.4	9.6	9.0	8.7	8.0	6.2	4.7	4.6	4.8
Pangasinan	1.0	1.0	1.0	1.0	1.0	1.0	10.0	9.9	8.9	8.4
CAGAYAN VALLEY	665.0	649.8	535.5	504.8	494.2	502.2	504.8	517.2	581.6	646.1
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	7.5	6.8	7.2	7.6	6.9	6.8	7.7	4.5	8.2	7.4
Isabela	15.4	9.4	10.3	11.4	12.0	12.6	11.8	11.0	11.4	10.7
Nueva Vizcaya	600.0	598.9	500.0	462.3	451.0	439.7	466.1	470.4	535.0	584.8
Quirino	42.0	34.8	18.0	23.5	24.3	43.0	19.3	31.3	26.9	43.2
CENTRAL LUZON	1,718.0	1,649.3	1,652.5	1,661.7	1,602.8	1,612.5	1,159.1	1,071.1	1,033.5	875.8
Aurora	235.0	241.0	244.3	232.2	229.3	212.5	176.0	125.0	131.7	68.0
Bataan	309.7	305.0	333.0	326.0	328.5	330.0	326.0	294.4	255.8	163.8
Bulacan	1,173.0	1,103.0	1,075.0	1,103.5	1,045.0	1,070.0	655.6	650.0	645.1	642.9
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	0.3	0.3	0.2	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	1.5	1.7	1.0	1.1
CALABARZON	7,667.7	4,643.5	7,569.0	4,486.2	3,989.3	1,805.9	2,351.5	1,667.7	1,593.5	1,040.3
Batangas	841.0	719.7	636.0	477.0	450.0	427.0	396.9	259.1	182.1	243.4
Cavite	6,562.3	3,688.4	6,702.5	3,771.4	3,307.4	1,147.9	1,719.4	1,239.7	1,237.8	660.8
Laguna	61.1	49.1	51.6	60.0	64.5	58.1	58.9	58.9	59.6	60.5
Quezon	160.2	145.8	138.0	135.7	124.4	127.2	132.5	109.4	113.5	74.9
Rizal	43.1	40.5	40.9	42.0	43.0	45.8	43.8	0.6	0.5	0.9
MIMAROPA	116.4	122.2	125.3	124.5	128.2	129.5	122.4	119.4	118.4	117.8
Marinduque	18.7	23.9	25.1	23.1	22.0	22.6	21.1	19.6	20.0	20.4
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	30.5	29.9	29.3	26.6	25.7	23.7	20.2	19.4	17.1	16.4
Palawan	67.3	68.4	70.9	74.8	80.5	83.1	81.1	80.4	81.3	81.0
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	255.5	248.5	251.6	244.3	224.2	221.1	197.4	185.8	167.9	155.3
Albay	78.1	76.3	78.6	83.7	72.7	74.6	69.7	62.5	50.6	55.3
Camarines Norte	15.5	15.0	15.8	16.1	16.2	16.4	16.7	17.8	17.5	15.4
Camarines Sur	14.4	14.6	14.7	14.9	14.5	14.1	13.0	11.8	10.7	9.7
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	147.5	142.7	142.5	129.7	120.9	116.0	98.0	93.7	89.1	75.0
WESTERN VISAYAS	4,582.8	4,819.9	4,653.0	3,932.3	3,437.5	3,465.4	3,442.9	3,593.9	3,414.4	3,475.6
Aklan	3.9	1.1	..	..	..	..	..	..	..	0.4
Antique	16.4	15.6	15.0	14.8	14.5	14.2	14.8	15.8	15.6	18.1
Capiz	1,696.0	1,803.0	1,803.7	1,133.8	942.7	895.2	899.9	885.8	872.5	819.0
Guimaras	16.0	17.7	17.1	17.1	10.3	9.8	7.0	6.6	7.4	7.6
Iloilo	2,125.4	2,286.6	2,171.0	2,089.2	1,826.5	1,884.6	1,820.9	2,027.8	1,869.0	1,985.1
Negros Occidental	725.1	695.8	646.2	677.4	643.5	661.6	700.3	658.0	650.0	645.5
CENTRAL VISAYAS	181.4	199.9	215.0	206.5	191.6	184.7	168.2	172.9	168.6	156.0
Bohol	0.7	3.8	8.1	23.3	37.4	52.9	48.0	51.0	35.7	33.5
Cebu	2.2	3.4	4.3	3.0	3.2	3.0	3.8	5.4	5.4	5.1
Negros Oriental	178.5	192.7	202.6	180.3	151.1	128.7	116.4	116.5	127.5	117.4
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	87.2	85.0	81.6	52.6	20.9	22.5	25.9	22.6	21.6	22.1
Biliran	1.7	1.8	1.8	1.7	1.5	1.5	1.4	1.6	1.9	2.6
Eastern Samar	10.7	11.2	11.2	11.3	7.2	4.4	4.1	0.6	0.2	0.1
Leyte	13.5	13.1	12.8	7.4	4.0	7.2	10.0	9.5	9.0	8.4
Northern Samar	..	..	..	..	..	1.9	2.9	3.7	3.7	3.8
Samar (Western Samar)	3.7	3.6	3.7	3.6	3.4	3.5	3.4	3.5	3.7	3.5
Southern Leyte	57.5	55.3	52.2	28.6	4.9	4.1	4.1	3.8	3.2	3.7
ZAMBOANGA PENINSULA	546.0	464.2	451.0	442.9	452.5	470.3	375.7	312.7	321.2	314.5
Zamboanga del Norte	406.0	346.7	347.4	349.8	369.6	384.7	292.0	229.8	236.0	230.6
Zamboanga del Sur	28.7	20.6	14.2	11.8	9.4	8.9	8.2	9.0	10.7	10.2
Zamboanga Sibugay	60.4	54.1	60.4	54.4	50.7	54.2	53.4	52.2	52.6	53.2
City of Zamboanga	51.0	42.8	29.0	27.0	22.9	22.5	22.2	21.7	22.0	20.5
NORTHERN MINDANAO	5,214.0	5,128.0	4,500.5	4,657.8	4,774.8	4,814.8	5,003.7	5,132.5	5,240.9	5,363.1
Bukidnon	4,610.0	4,545.0	3,930.0	4,070.0	4,187.0	4,213.0	4,377.0	4,481.0	4,577.8	4,674.4
Camiguin	12.7	10.7	8.6	8.2	7.3	6.9	5.0	4.8	4.3	4.0
Lanao del Norte	223.6	213.4	202.0	195.0	204.2	202.5	222.8	233.2	240.3	258.1
Misamis Occidental	3.8	4.2	4.9	6.2	7.6	8.9	8.9	9.3	11.7	14.7
Misamis Oriental	364.0	354.7	355.0	378.5	368.6	383.5	390.0	404.3	406.9	411.9
DAVAO REGION	17,161.6	15,346.5	14,114.1	8,320.8	7,849.6	7,795.7	7,678.7	7,305.9	7,357.9	7,311.1
Davao del Norte	601.1	609.6	613.6	603.1	611.7	621.7	650.7	668.7	672.9	691.7
Davao del Sur	2,664.3	2,684.6	2,697.6	2,707.6	2,831.4	2,926.0	2,849.1	2,732.8	2,793.3	1,601.0
City of Davao	2,593.7	2,277.7	2,093.2	1,999.2	1,947.0	1,882.0	1,840.8	1,658.1	1,601.7	1,570.6
Davao Oriental	1,276.3	1,255.5	1,217.5	1,186.3	1,147.9	1,123.4	1,111.5	1,126.3	1,127.7	1,105.3
Davao de Oro (Compostela Valley)	10,026.4	8,519.1	7,492.2	1,824.5	1,311.6	1,242.7	1,226.6	1,120.0	1,162.3	1,167.0
Davao Occidental	..	..	..	..	..	..	..	..	..	1,175.6
SOCCSKSARGEN	15,324.5	15,133.6	15,499.4	16,291.7	15,796.5	15,296.1	14,029.0	12,971.9	11,455.0	11,755.5
North Cotabato	1,735.7	1,721.2	1,776.0	1,816.8	1,826.6	1,840.5	1,252.6	1,284.8	1,094.8	910.6
Sarangani	217.1	219.8	221.7	225.5	227.4	226.0	219.5	224.0	237.0	242.0
South Cotabato	908.8	993.4	995.3	1,024.8	1,032.7	1,022.3	572.0	587.3	603.4	596.0
Sultan Kudarat	12,463.0	12,199.2	12,506.3	13,224.6	12,709.8	12,207.3	11,984.9	10,875.8	9,519.8	10,006.9
CARAGA	2,188.4	1,977.1	1,764.6	1,487.1	1,398.8	1,640.9	1,830.1	1,580.8	1,662.5	1,773.2
Agusan del Norte	173.0	95.5	78.7	62.4	68.8	78.5	88.9	84.0	80.3	90.4
Agusan del Sur	303.6	235.9	226.4	62.3	37.1	39.7	30.9	94.3	91.8	99.6
Dinagat Islands	..	..	..	..	..	..	..	..	0.1	0.1
Surigao del Norte	8.8	6.2	5.5	3.9	2.6	1.6	1.3	1.2	1.1	0.8
Surigao del Sur	1,703.1	1,639.4	1,454.0	1,358.5	1,290.3	1,521.1	1,709.1	1,401.3	1,489.3	1,582.3
ARMM	7,402.6	7,490.6	7,354.0	7,286.8	7,184.6	7,310.2	7,204.0	6,998.7	7,230.6	7,451.3
Basilan	1,675.0	1,644.5	1,594.7	1,549.3	1,516.0	1,515.0	1,470.0	1,474.1	1,590.2	1,544.0
Lanao del Sur	285.5	289.9	291.5	300.2	301.9	311.0	315.3	313.3	324.6	325.7
Maguindanao	2,887.8	2,885.0	2,900.8	2,904.8	2,904.6	2,988.5	2,967.6	2,724.8	2,798.6	3,072.5
Sulu	2,554.4	2,671.2	2,567.2	2,532.6	2,462.2	2,495.7	2,451.2	2,486.5	2,517.2	2,509.2
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cotton										
PHILIPPINES	**34.6**	**51.2**	**76.7**	**55.3**	**11.3**	**5.8**	**4.7**	**9.6**	**27.2**	**23.1**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	4.5	4.6	4.7	4.1	3.4	1.6	1.5	1.5	27.0	17.8
Ilocos Norte	1.5	2.2	2.3	2.3	1.7	1.6	1.5	1.5	22.9	17.8
Ilocos Sur	3.0	2.4	2.4	1.8	1.7	..	..	..	2.9	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	1.2	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	6.9	4.5	54.6	21.4	7.9	4.3	3.2	8.1	0.3	2.2
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	4.7	4.5	4.4	4.2	4.2	4.3	3.2	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	2.3	..	50.3	17.2	3.7	..	..	8.1	0.3	2.2
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	23.0	42.1	3.8	3.5	..	..	..	..	..	3.1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	23.0	42.1	3.8	3.5	..	..	..	..	..	3.1
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	0.2	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	0.2	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	13.6	26.4	..	..	..	..	..	..
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	13.6	26.4	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Gladiola										
PHILIPPINES	**1,181.5**	**1,114.4**	**1,065.9**	**1,013.7**	**786.6**	**668.1**	**549.6**	**531.9**	**432.1**	**385.4**
CAR	972.3	894.0	832.9	739.6	515.6	406.2	294.3	275.5	216.3	177.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	972.3	894.0	832.9	739.6	515.6	406.2	294.3	275.5	216.3	177.5
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	0.1	0.1	..	..	..	..	..	..	..	..
Ilocos Norte	0.1	0.1	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	26.6	25.3	23.2	21.5	19.8	15.7	15.2	15.4	15.9	15.5
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	5.4	5.3	5.4	5.5	6.2	5.4	4.5	4.2	4.4	4.1
Nueva Vizcaya	21.1	19.8	17.7	16.0	13.6	10.4	10.7	11.2	11.4	11.4
Quirino	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	49.1	45.3	51.4	46.3	39.8	41.1	39.5	39.5	..	..
Batangas	0.1	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	49.0	45.3	51.4	46.3	39.8	41.1	39.5	39.5	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	6.0	5.9	5.7	5.4	4.1	4.1	3.9	3.9	3.7	3.5
Albay	4.9	4.7	4.5	4.1	2.9	2.9	2.7	2.6	2.4	2.2
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	4.1	4.5	4.7	4.6	4.3	4.4	4.4	4.6	4.7	4.7
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	4.1	4.5	4.7	4.6	4.3	4.4	4.3	4.5	4.6	4.6
Guimaras	..	..	..	..	0.0	0.1	0.1	0.1	0.1	0.1
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	24.3	35.9	46.4	96.1	102.8	98.1	96.1	96.9	96.3	91.5
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	22.9	33.5	43.8	93.5	100.0	95.8	94.0	94.9	94.4	89.5
Negros Oriental	1.5	2.4	2.6	2.7	2.9	2.3	2.1	2.1	1.9	2.0
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	1.4	1.8	1.8	1.6	1.2	1.2	1.2	1.0	0.8	1.3
Biliran	0.9	1.0	1.0	0.9	0.8	0.8	0.8	0.6	0.4	0.7
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.2	0.2	0.2
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.4
Southern Leyte	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
ZAMBOANGA PENINSULA	0.6	0.9	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	0.6	0.9	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9
NORTHERN MINDANAO	30.0	37.5	38.2	38.4	39.3	38.1	36.9	37.9	38.1	37.4
Bukidnon	10.3	13.0	13.9	14.5	16.8	16.1	17.0	17.3	17.9	18.1
Camiguin	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2
Lanao del Norte	15.7	16.6	16.7	16.8	16.9	16.3	14.5	14.8	14.3	13.9
Misamis Occidental	1.9	2.7	3.8	3.9	4.1	4.4	4.2	4.5	4.6	4.1
Misamis Oriental	2.0	5.0	3.6	2.9	1.3	1.1	1.1	1.1	1.2	1.2
DAVAO REGION	65.3	62.0	59.4	57.8	57.3	56.8	55.9	55.1	54.3	52.0
Davao del Norte	36.6	34.2	32.6	30.7	29.9	29.1	27.6	26.5	25.4	24.5
Davao del Sur	2.8	3.0	3.0	3.1	3.2	3.3	4.1	4.2	4.2	4.3
City of Davao	25.8	24.8	23.8	24.1	24.2	24.4	24.3	24.4	24.7	23.2
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.3	1.0	1.1	1.0	1.0	0.9	0.7	0.6	0.6	0.5
North Cotabato	1.3	1.0	1.1	1.0	1.0	0.9	0.7	0.6	0.6	0.5
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6
Agusan del Norte	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Oil Palm (fresh fruit bunch)										
PHILIPPINES	**565,459.5**	**540,913.5**	**531,294.1**	**473,416.2**	**437,439.2**	**432,496.5**	**439,528.6**	**474,792.4**	**500,465.9**	**499,307.4**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	1,840.0	10,187.1	14,283.3	16,978.6	18,760.9	19,426.8	20,441.3	20,902.3	22,807.5
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	1,840.0	10,187.1	14,283.3	16,978.6	18,760.9	19,426.8	20,441.3	20,902.3	22,807.5
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	54,166.0	47,556.2	38,600.1	34,406.0	32,398.1	28,173.1	25,468.5	20,339.6	14,873.5	16,972.6
Bohol	54,166.0	47,556.2	38,600.1	34,406.0	32,398.1	28,173.1	25,468.5	20,339.6	14,873.5	16,972.6
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	20.7	28.7	3,012.8	20,261.2	20,596.1	20,655.5
Zamboanga del Norte	..	..	..	..	..	..	2,984.5	20,222.7	20,552.6	20,548.8
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	19.0
Zamboanga Sibugay	..	..	..	..	20.7	28.7	28.3	38.5	43.5	47.1
City of Zamboanga	..	..	..	..	..	..	..	..	..	40.7
NORTHERN MINDANAO	25,238.0	29,968.0	31,955.0	35,180.0	38,620.0	40,975.0	42,397.0	45,374.0	42,534.8	42,421.0
Bukidnon	21,674.0	24,250.0	25,700.0	27,580.0	28,400.0	28,950.0	29,650.0	30,084.0	30,635.0	31,263.0
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	3,564.0	5,718.0	6,255.0	7,600.0	10,220.0	12,025.0	12,747.0	15,290.0	11,899.8	11,158.0
DAVAO REGION	6,093.7	6,126.7	5,894.3	2,975.0	3,547.0	3,982.9	4,129.9	5,437.6	5,463.3	5,474.0
Davao del Norte	..	..	..	640.4	721.7	804.0	807.8	807.5	785.5	763.1
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	102.0	168.4	197.6	201.1	207.0
Davao Oriental	..	..	..	..	..	..	76.5	331.1	340.0	352.3
Davao de Oro (Compostela Valley)	6,093.7	6,126.7	5,894.3	2,334.6	2,825.3	3,077.0	3,077.2	4,101.4	4,136.7	4,151.6
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	106,934.2	120,829.9	131,114.0	143,673.5	156,352.0	164,631.7	153,175.0	174,788.7	199,767.2	202,705.4
North Cotabato	27,379.7	37,107.2	42,904.2	51,121.3	60,177.7	66,262.9	55,913.7	62,087.0	70,100.9	74,702.3
Sarangani	30.1	27.2	26.0	25.3	25.6	25.8	24.4	32.9	47.3	53.3
South Cotabato	6,006.2	7,099.2	7,489.1	8,095.8	8,644.1	8,777.3	8,221.8	10,039.3	11,418.5	11,370.7
Sultan Kudarat	73,518.2	76,596.3	80,694.7	84,431.2	87,504.6	89,565.6	89,015.1	102,629.5	118,200.6	116,579.1
CARAGA	372,363.6	315,797.4	253,117.0	136,370.7	140,459.1	153,184.1	168,817.6	164,714.8	171,423.6	162,547.4
Agusan del Norte	1,547.2	1,585.1	1,569.7	1,315.5	1,480.0	1,544.2	1,765.0	1,812.3	1,807.5	2,192.9
Agusan del Sur	370,342.2	313,775.4	250,831.0	134,303.7	138,199.5	149,872.4	165,271.6	160,493.9	166,637.2	156,878.0
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	474.2	436.9	716.3	751.5	779.5	1,767.6	1,781.0	2,408.7	2,978.9	3,476.5
ARMM	664.0	18,795.2	60,426.8	106,527.7	49,063.7	22,760.0	23,101.0	23,435.2	24,905.0	25,724.0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	664.0	18,795.2	60,426.8	106,527.7	49,063.7	22,760.0	23,101.0	23,435.2	24,905.0	25,724.0
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Orchids										
PHILIPPINES	**1,697.7**	**1,557.0**	**1,396.5**	**1,312.6**	**1,185.2**	**1,157.4**	**1,149.0**	**1,154.4**	**1,164.8**	**1,164.9**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	154.2	152.6	124.6	109.3	71.2	66.4	63.6	51.7	39.3	34.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	118.2	117.9	89.6	75.8	39.4	35.9	35.4	32.5	26.9	22.4
Pangasinan	36.0	34.7	35.0	33.4	31.8	30.5	28.2	19.2	12.5	11.9
CAGAYAN VALLEY	73.4	72.1	69.3	66.5	66.3	63.6	62.1	59.1	59.1	57.8
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	2.9	2.9	3.1	3.4	3.4	3.4	3.5	1.6	2.0	2.1
Isabela	35.1	36.9	37.5	38.3	41.6	42.7	38.3	36.1	35.0	33.6
Nueva Vizcaya	35.1	32.0	28.5	24.7	21.2	17.5	20.2	21.5	22.0	22.0
Quirino	0.4	0.4	0.2	0.2	0.1	..	0.0	0.0	0.1	0.1
CENTRAL LUZON	64.2	65.7	66.5	66.2	67.4	68.8	67.2	67.8	68.0	67.1
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	3.0	2.7	1.8	1.2	1.0	1.3	1.0	0.9	0.9	0.8
Bulacan	55.3	56.5	57.6	57.4	57.9	58.8	57.6	58.3	58.6	57.6
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	5.9	6.6	7.1	7.6	8.5	8.7	8.6	8.6	8.6	8.7
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	117.4	109.6	103.3	97.9	92.2	82.8	81.1	79.2	83.4	82.2
Batangas	27.7	21.0	12.7	6.6	3.1	2.4	1.5	1.8	4.6	3.0
Cavite	19.7	19.6	21.7	22.3	21.7	22.5	22.5	21.9	22.1	21.6
Laguna	65.2	64.5	64.7	64.5	63.0	53.1	52.6	50.7	50.4	50.6
Quezon	1.7	1.5	1.5	1.5	1.3	1.6	1.6	1.8	3.5	4.3
Rizal	3.1	3.1	2.9	3.1	3.0	3.1	2.9	3.0	2.8	2.8
MIMAROPA	36.2	37.6	39.2	41.6	45.0	47.8	49.2	51.6	52.5	54.0
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	36.2	37.6	39.2	41.6	45.0	47.8	49.2	51.6	52.5	54.0
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	491.7	469.6	381.7	355.4	299.7	302.2	314.5	331.6	348.4	361.8
Albay	486.4	464.8	376.7	350.3	294.6	297.1	309.6	326.8	343.2	356.2
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	3.2	3.3	3.4	3.6	3.5	3.5	3.4	3.2	3.5	3.6
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	2.1	1.5	1.5	1.5	1.6	1.6	1.5	1.6	1.7	2.0
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	304.8	214.3	179.4	146.9	121.5	108.9	100.7	94.2	92.4	86.0
Aklan	3.5	2.9	2.4	2.5	2.3	2.2	2.3	2.1	2.2	2.1
Antique	6.5	6.6	6.7	6.7	6.2	6.4	5.9	5.5	5.4	5.0
Capiz	31.3	32.9	34.0	31.8	31.0	30.9	30.9	33.2	33.3	34.3
Guimaras	5.5	6.0	4.6	4.6	3.7	1.4	1.4	1.8	2.1	1.3
Iloilo	252.4	159.5	124.9	95.3	71.4	60.7	53.1	43.9	41.4	35.3
Negros Occidental	5.7	6.4	6.8	6.1	6.8	7.3	7.2	7.6	8.1	8.1
CENTRAL VISAYAS	18.0	18.8	19.5	18.0	21.0	21.4	19.8	20.7	20.8	19.8
Bohol	2.8	2.6	2.5	2.4	3.0	3.2	3.0	3.1	3.2	3.2
Cebu	7.0	8.0	8.8	8.0	10.0	9.7	9.4	9.8	9.8	9.4
Negros Oriental	6.5	6.0	5.8	5.2	5.6	6.3	5.5	5.7	5.7	5.5
Siquijor	1.8	2.2	2.4	2.4	2.4	2.2	1.9	2.1	2.2	1.8
EASTERN VISAYAS	42.4	42.9	42.5	35.7	29.2	26.2	24.1	23.5	21.8	22.8
Biliran	6.1	6.2	6.3	6.2	5.8	5.7	5.7	4.6	2.8	3.5
Eastern Samar	5.0	5.0	5.1	4.4	3.5	2.8	2.1	2.1	1.7	1.8
Leyte	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.4
Northern Samar	2.7	2.8	2.8	2.9	2.9	2.3	1.7	1.7	1.7	1.6
Samar (Western Samar)	1.0	1.0	0.9	1.0	1.6	1.7	1.7	1.8	1.9	1.7
Southern Leyte	27.0	27.2	26.8	20.6	15.2	13.5	12.7	13.1	13.5	13.8
ZAMBOANGA PENINSULA	28.1	34.8	37.3	40.8	45.9	47.5	50.8	53.5	56.3	57.9
Zamboanga del Norte	10.3	14.4	17.4	19.6	23.9	25.6	28.3	30.8	33.3	35.4
Zamboanga del Sur	8.9	9.3	9.2	9.6	9.8	9.8	10.2	10.2	10.3	10.3
Zamboanga Sibugay	0.8	1.2	2.0	2.2	2.7	2.7	2.8	2.8	2.9	2.9
City of Zamboanga	8.1	9.8	8.7	9.4	9.6	9.4	9.5	9.7	9.8	9.3
NORTHERN MINDANAO	81.5	88.4	94.0	97.4	96.1	97.1	92.9	94.8	94.8	93.0
Bukidnon	12.8	13.4	13.6	14.1	13.9	14.1	15.1	16.8	17.5	18.0
Camiguin	19.6	20.1	19.9	19.8	17.8	16.0	14.9	13.9	13.8	12.7
Lanao del Norte	35.2	36.9	37.3	38.0	38.2	40.7	36.8	37.0	35.8	34.3
Misamis Occidental	6.2	7.9	9.7	10.7	11.8	12.8	12.6	13.0	13.1	13.0
Misamis Oriental	7.7	10.1	13.6	14.9	14.4	13.5	13.6	14.1	14.4	15.0
DAVAO REGION	211.1	182.5	177.7	177.1	175.3	175.3	172.2	173.2	171.8	166.5
Davao del Norte	29.9	30.6	31.2	30.9	30.7	30.5	30.1	29.1	27.8	27.0
Davao del Sur	97.1	76.8	76.5	76.6	77.2	77.6	77.2	78.4	78.1	78.4
City of Davao	69.2	61.1	56.9	58.8	57.8	57.8	56.2	57.0	57.6	52.7
Davao Oriental	8.8	8.5	8.0	7.3	6.7	6.4	5.9	5.8	5.5	5.5
Davao de Oro (Compostela Valley)	6.1	5.6	5.2	3.5	2.9	3.0	2.8	2.9	3.0	2.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	34.8	36.5	37.6	38.7	39.7	39.2	41.1	44.0	45.7	50.6
North Cotabato	9.8	11.7	12.7	13.7	14.4	14.3	18.4	20.7	22.3	27.6
Sarangani	13.4	13.2	13.3	13.2	13.2	13.0	12.8	12.6	12.1	11.2
South Cotabato	9.4	9.7	10.1	10.4	11.0	11.0	9.2	10.2	11.0	11.6
Sultan Kudarat	2.1	1.9	1.6	1.4	1.0	0.9	0.7	0.5	0.4	0.3
CARAGA	15.3	13.6	10.2	10.5	10.8	9.6	9.6	9.3	10.2	10.9
Agusan del Norte	2.6	2.7	2.8	3.1	3.3	3.5	3.8	3.9	4.3	4.5
Agusan del Sur	1.6	1.5	2.0	2.7	2.8	1.6	1.7	1.8	2.5	2.9
Dinagat Islands	..	..	..	..	..	..	0.0	0.0	0.0	0.0
Surigao del Norte	9.1	7.9	4.1	3.6	3.5	3.2	2.6	2.0	1.7	1.5
Surigao del Sur	2.0	1.6	1.4	1.2	1.2	1.3	1.4	1.6	1.7	2.0
ARMM	24.7	17.9	13.9	10.7	4.2	0.8	0.3	0.2	0.2	0.2
Basilan	2.2	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	22.5	17.9	13.9	10.7	4.2	0.8	0.3	0.2	0.2	0.2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pili Nut (with shell)										
PHILIPPINES	**6,637.2**	**7,104.7**	**7,932.7**	**8,242.9**	**7,316.0**	**7,362.3**	**7,290.9**	**7,427.4**	**7,648.9**	**7,158.2**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	127.6	107.4	80.6	62.5	46.4	40.6	36.1	30.9	27.1	22.7
Batangas	1.9	1.5	0.6	0.3	0.3	0.2	0.1	0.1	0.0	0.0
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	0.8	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
Quezon	124.9	105.0	79.1	61.2	45.2	39.6	35.1	30.0	26.2	21.9
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	0.5	0.6	0.9	1.0	1.4	1.7	1.7	1.8	1.9	1.9
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	0.5	0.6	0.9	1.0	1.4	1.7	1.7	1.8	1.9	1.9
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	5,490.8	5,922.4	6,757.3	7,080.9	6,183.0	6,258.4	6,283.1	6,438.9	6,679.4	6,224.3
Albay	1,676.7	1,818.8	1,934.9	2,132.5	1,743.3	1,760.2	1,854.8	1,882.3	2,028.2	2,076.5
Camarines Norte	41.0	43.0	44.9	49.3	49.8	50.5	49.8	57.9	55.0	61.2
Camarines Sur	347.1	355.0	364.5	368.3	372.6	381.5	386.0	358.1	385.7	388.3
Catanduanes	11.0	11.0	11.1	11.1	11.2	12.1	11.9	10.5	10.1	10.2
Masbate	1.2	1.5	1.5	1.8	1.9	1.9	1.9	1.9	1.8	1.7
Sorsogon	3,413.8	3,693.1	4,400.4	4,518.0	4,004.2	4,052.1	3,978.6	4,128.3	4,198.6	3,686.5
WESTERN VISAYAS	92.9	90.5	87.1	83.9	75.8	73.0	66.4	62.0	58.7	31.7
Aklan	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	0.3	0.5	0.4	0.2	0.1	0.1	0.2	0.2	0.2
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	92.6	89.9	86.5	83.4	75.6	72.8	66.2	61.8	58.5	31.5
CENTRAL VISAYAS	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	914.2	973.5	995.7	1,004.5	999.2	977.5	892.9	883.3	871.8	867.4
Biliran	..	..	..	..	..	..	0.0	0.0	..	0.0
Eastern Samar	85.3	84.3	85.0	81.1	62.0	41.7	35.4	23.4	16.9	12.7
Leyte	6.0	6.1	6.2	5.2	1.8	1.9	2.1	1.9	2.0	1.8
Northern Samar	759.0	782.0	803.3	824.0	848.5	843.4	769.8	771.9	766.5	769.3
Samar (Western Samar)	63.9	101.2	101.2	94.2	87.0	90.6	85.7	86.1	86.5	83.6
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	2.9	2.8	3.4	3.2	3.1	3.0	2.6	2.0	1.5	1.6
Bukidnon	..	..	0.5	0.5	0.4	0.3	0.4	0.3	0.4	0.4
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	2.9	2.8	2.9	2.7	2.7	2.7	2.2	1.7	1.1	1.2
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	5.8	5.7	6.3	5.7	6.2	7.4	7.5	7.6	7.6	7.8
Davao del Norte	0.8	0.7	0.8	0.8	0.9	0.8	0.8	0.8	0.8	1.0
Davao del Sur	3.3	3.4	3.5	3.2	3.6	3.7	3.7	3.8	3.8	3.7
City of Davao	0.4	0.5	0.6	0.6	0.7	1.5	1.6	1.7	1.8	1.8
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	1.3	1.1	1.5	1.1	1.1	1.4	1.4	1.3	1.3	1.3
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	2.3	1.5	1.1	0.8	0.6	0.4	0.3	0.5	0.6	0.5
North Cotabato	2.3	1.5	1.1	0.8	0.6	0.4	0.3	0.5	0.6	0.5
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Roses										
PHILIPPINES	**2,328.5**	**2,336.5**	**2,392.8**	**2,437.9**	**2,443.0**	**2,336.2**	**2,232.1**	**2,423.0**	**2,586.8**	**2,970.0**
CAR	1,405.5	1,406.9	1,447.4	1,475.7	1,466.6	1,379.3	1,283.6	1,444.8	1,594.4	1,985.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	1,405.5	1,406.9	1,447.4	1,475.7	1,466.6	1,379.3	1,283.6	1,444.8	1,594.4	1,985.5
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	18.5	19.2	19.5	19.5	13.9	12.2	11.4	11.1	8.8	9.1
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	18.5	19.2	19.5	19.5	13.9	12.2	11.4	11.1	8.8	9.1
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	54.7	51.7	44.3	42.5	38.8	39.6	42.6	45.6	47.5	47.7
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	2.0	2.2	2.3	2.5	2.7	2.6	2.7	2.3	2.5	2.6
Isabela	2.8	3.1	3.2	3.3	3.7	4.6	5.6	6.1	7.2	7.1
Nueva Vizcaya	49.7	46.2	38.7	36.6	32.4	32.3	34.2	37.2	37.7	38.0
Quirino	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
CENTRAL LUZON	33.6	34.5	35.8	37.1	37.8	38.2	38.1	37.3	37.5	31.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	25.7	26.1	26.5	27.2	27.5	27.9	27.8	28.0	28.2	22.5
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	7.9	8.4	9.3	9.9	10.3	10.3	10.3	9.3	9.3	9.3
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	50.1	47.1	45.2	41.9	37.6	26.4	25.3	24.3	22.9	26.5
Batangas	7.3	4.9	3.4	2.0	1.4	1.2	1.0	1.2	2.1	2.8
Cavite	2.4	2.4	2.6	2.7	2.5	2.8	2.8	2.8	2.9	2.9
Laguna	30.2	29.5	29.5	29.7	28.4	21.9	21.6	20.3	17.9	20.8
Quezon	10.2	10.4	9.8	7.6	5.3	0.5	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3.3	4.8	5.3	6.0	7.3	8.2	8.4	8.9	9.2	9.4
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	1.3	1.6	1.8	1.9	2.0	2.1	2.1	2.2	2.1	2.0
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	2.0	3.2	3.5	4.2	5.3	6.1	6.2	6.7	7.1	7.4
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	10.4	11.4	11.5	11.7	11.4	11.4	11.0	11.7	12.4	13.2
Albay	2.0	3.3	3.2	3.1	2.8	2.7	2.7	2.9	3.3	3.4
Camarines Norte	2.2	2.2	2.3	2.4	2.4	2.5	2.1	1.9	2.1	2.4
Camarines Sur	4.6	4.7	4.7	4.8	4.8	4.8	4.8	5.5	5.5	5.6
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	1.7	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.9
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	48.0	46.0	43.1	35.3	32.3	30.3	28.9	29.6	29.5	27.8
Aklan	0.9	1.0	1.0	0.9	0.8	0.8	0.9	0.9	1.0	1.1
Antique	1.0	0.9	0.8	0.9	0.8	0.9	0.8	1.0	1.0	0.9
Capiz	13.7	14.1	14.5	14.1	14.2	14.7	14.5	15.8	16.8	16.7
Guimaras	1.4	1.3	1.3	1.3	1.0	0.6	0.4	0.5	0.6	0.4
Iloilo	29.5	27.2	23.9	16.5	13.6	11.3	10.4	9.5	8.2	6.6
Negros Occidental	1.4	1.5	1.7	1.7	1.8	2.0	2.0	1.9	2.0	2.2
CENTRAL VISAYAS	212.0	216.3	223.3	236.7	259.6	258.3	234.2	240.1	236.1	231.7
Bohol	3.8	4.3	4.4	4.5	4.8	5.2	5.1	5.5	5.5	5.7
Cebu	204.4	207.2	214.1	227.7	249.8	247.8	224.5	229.9	225.9	221.7
Negros Oriental	2.8	3.6	3.6	3.3	3.7	4.1	3.5	3.6	3.5	3.4
Siquijor	1.0	1.2	1.3	1.3	1.3	1.2	1.0	1.1	1.2	1.0
EASTERN VISAYAS	45.3	46.3	34.9	29.0	26.5	22.2	21.3	20.7	21.2	21.6
Biliran	1.0	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	1.4
Eastern Samar	1.7	1.7	1.7	1.6	1.2	0.3	0.3	0.3	0.2	0.1
Leyte	0.7	0.7	0.8	0.8	0.3	0.3	0.4	0.4	0.4	0.4
Northern Samar	2.4	2.8	2.9	3.0	3.0	2.9	2.0	2.0	2.0	1.9
Samar (Western Samar)	2.4	3.1	3.1	2.9	2.5	2.7	2.7	2.8	2.9	2.6
Southern Leyte	37.2	36.9	25.4	19.6	18.6	15.1	15.0	14.4	14.8	15.2
ZAMBOANGA PENINSULA	42.3	41.0	41.1	44.0	46.6	46.5	46.4	47.6	47.9	48.0
Zamboanga del Norte	4.3	4.4	4.9	5.2	5.8	6.0	5.7	6.1	6.1	6.5
Zamboanga del Sur	18.8	18.7	18.1	19.0	19.4	19.7	19.5	19.9	20.1	20.0
Zamboanga Sibugay	3.7	4.2	6.5	7.3	8.7	8.1	8.5	8.6	8.5	8.7
City of Zamboanga	15.6	13.8	11.7	12.5	12.7	12.8	12.8	13.0	13.2	12.8
NORTHERN MINDANAO	200.0	211.9	255.2	282.7	285.9	281.0	300.1	318.4	333.6	337.3
Bukidnon	95.0	98.0	105.6	107.0	112.0	112.5	119.0	130.5	135.2	138.8
Camiguin	1.1	1.1	1.2	1.3	1.3	1.2	1.1	1.4	1.2	1.2
Lanao del Norte	67.4	70.2	72.4	75.2	76.4	75.9	80.9	83.1	82.0	76.4
Misamis Occidental	..	..	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
Misamis Oriental	36.5	42.5	75.8	99.0	96.0	91.0	98.8	103.0	114.8	120.5
DAVAO REGION	109.2	107.6	102.6	93.7	95.5	102.6	111.8	112.7	113.3	103.5
Davao del Norte	17.3	17.6	18.1	17.8	17.8	17.7	17.1	16.5	16.1	15.4
Davao del Sur	4.6	4.8	5.1	5.2	6.1	6.4	7.0	7.5	7.3	7.5
City of Davao	52.8	55.0	53.4	53.4	56.3	63.5	73.5	74.4	75.6	66.7
Davao Oriental	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Davao de Oro (Compostela Valley)	34.4	30.0	25.9	17.2	15.2	14.9	14.2	14.3	14.3	13.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	65.4	65.7	65.1	66.4	68.1	67.3	58.6	59.2	60.9	65.2
North Cotabato	7.3	7.8	8.3	8.7	9.1	9.7	10.4	10.7	11.2	14.4
Sarangani	14.4	14.0	13.8	13.5	13.3	13.2	12.9	11.9	10.7	9.3
South Cotabato	42.6	43.1	42.2	43.4	45.1	43.8	34.8	36.3	38.8	41.3
Sultan Kudarat	1.1	0.9	0.8	0.8	0.6	0.6	0.5	0.3	0.2	0.1
CARAGA	25.3	21.6	14.5	13.3	12.8	11.7	10.6	11.1	11.7	11.7
Agusan del Norte	5.9	6.1	6.1	5.8	5.9	5.9	6.0	6.1	6.2	6.3
Agusan del Sur	0.5	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.6	0.7
Dinagat Islands	..	..	..	..	..	..	0.0	0.0	0.0	0.0
Surigao del Norte	11.0	7.7	2.2	1.2	0.9	0.9	0.6	0.5	0.4	0.4
Surigao del Sur	7.9	7.4	5.8	5.8	5.5	4.6	3.7	4.3	4.5	4.3
ARMM	5.0	4.5	3.9	2.5	2.5	1.0	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	5.0	4.5	3.9	2.5	2.5	1.0	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rubber (cuplump)										
PHILIPPINES	**395,237.2**	**425,704.8**	**442,998.2**	**444,817.7**	**453,052.5**	**398,136.6**	**362,626.0**	**406,984.5**	**423,370.9**	**431,674.8**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	12.5	27.1	35.0	72.4	64.0	34.7	35.2	21.3	13.2	12.7
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	10.5	24.0	31.7	70.0	64.0	34.7	35.2	21.3	13.2	12.7
Quezon	2.0	3.1	3.2	2.4	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	24.4	36.7	41.9	59.3	102.1	117.7	122.2	132.4	139.9	145.0
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	10.6	11.1	11.2	12.0	11.8	11.0	10.6	9.9	9.0
Palawan	24.4	26.0	30.8	48.1	90.1	105.9	111.2	121.8	130.0	136.0
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	..	..	..	9.2	18.2	34.2	38.6	33.2	30.4	37.8
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	9.2	18.2	34.2	38.6	33.2	30.4	37.8
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	12.2	25.3	27.4
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	12.2	25.3	27.4
ZAMBOANGA PENINSULA	171,125.7	188,934.0	188,854.7	195,357.0	191,609.8	176,771.9	164,413.9	155,718.9	157,493.4	161,830.1
Zamboanga del Norte	17,700.7	18,432.6	19,460.0	19,912.0	20,668.3	21,485.5	21,433.2	20,328.7	21,358.0	22,385.1
Zamboanga del Sur	24,871.7	25,601.9	26,048.3	27,744.5	25,775.4	24,900.6	21,953.4	23,097.7	22,574.2	22,299.7
Zamboanga Sibugay	126,915.3	143,143.1	141,419.5	145,744.7	143,084.2	128,280.6	119,011.3	110,259.1	111,457.7	115,006.4
City of Zamboanga	1,638.0	1,756.4	1,926.8	1,955.8	2,081.8	2,105.3	2,016.0	2,033.4	2,103.4	2,139.0
NORTHERN MINDANAO	10,198.9	10,720.0	10,791.7	11,261.0	11,872.6	12,141.9	12,402.2	12,964.1	13,377.8	13,760.6
Bukidnon	9,920.0	10,430.0	10,490.0	10,900.0	11,250.0	11,338.0	11,585.0	12,128.4	12,520.8	12,883.3
Camiguin	2.3	3.4	1.7	1.8	1.8	1.9	1.9	2.0	2.6	2.0
Lanao del Norte	..	..	..	60.0	197.6	218.3	224.0	232.6	230.5	238.3
Misamis Occidental	29.5	32.2	33.2	35.7	46.3	99.8	112.6	106.5	119.6	128.1
Misamis Oriental	247.0	254.4	266.7	263.5	377.0	484.0	478.7	494.7	504.3	509.0
DAVAO REGION	15,795.4	16,109.9	16,070.1	8,240.8	10,848.9	11,406.9	11,028.2	11,187.4	11,463.4	11,765.9
Davao del Norte	1,085.1	1,127.1	1,144.1	1,111.8	1,137.7	1,159.8	1,107.3	1,187.4	1,216.7	1,235.3
Davao del Sur	2,312.9	2,467.6	2,541.7	2,560.9	2,652.5	2,670.0	2,653.3	2,880.8	3,215.6	3,036.4
City of Davao	1,162.4	1,204.2	1,424.6	1,529.6	1,643.7	1,797.2	1,726.6	1,808.2	1,819.6	1,772.4
Davao Oriental	60.7	63.4	64.4	41.1	42.7	46.0	47.5	49.1	50.5	49.2
Davao de Oro (Compostela Valley)	11,174.4	11,247.6	10,895.3	2,997.4	5,372.3	5,733.9	5,493.5	5,261.9	5,161.0	5,200.7
Davao Occidental	..	..	..	..	..	..	..	..	..	472.0
SOCCSKSARGEN	149,964.9	158,994.7	169,745.4	172,953.9	173,976.5	126,264.2	102,376.5	147,480.0	154,672.0	152,724.5
North Cotabato	149,126.3	158,181.2	168,936.1	172,103.0	173,110.3	125,428.3	101,599.1	146,578.1	153,812.5	151,888.8
Sarangani	508.8	470.0	459.0	464.0	466.8	466.6	451.0	456.0	459.5	454.0
South Cotabato	33.5	33.4	33.9	34.7	35.0	34.9	38.2	41.0	43.2	46.8
Sultan Kudarat	296.4	310.1	316.4	352.2	364.5	334.5	288.2	404.9	356.8	334.9
CARAGA	14,618.7	15,247.7	16,610.8	10,030.8	10,509.1	12,006.0	12,845.2	14,192.7	15,616.5	16,751.1
Agusan del Norte	29.5	106.4	421.1	505.7	644.7	731.9	752.5	928.0	942.2	997.6
Agusan del Sur	14,525.3	15,077.2	16,102.2	9,428.7	9,763.7	11,141.9	11,971.3	13,139.9	14,554.5	15,618.8
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	5.0	7.5	13.0	5.0	5.8	6.4	2.4
Surigao del Sur	63.9	64.0	87.6	91.5	93.2	119.2	116.5	119.0	113.5	132.4
ARMM	33,496.7	35,634.9	40,848.6	46,833.3	54,051.3	59,359.2	59,364.1	65,242.3	70,539.0	74,619.7
Basilan	32,941.0	34,981.2	40,048.1	45,305.3	51,716.0	57,519.0	57,596.5	63,517.0	68,796.7	72,847.2
Lanao del Sur	409.7	476.7	493.5	518.0	1,028.3	555.2	552.6	556.0	552.9	554.0
Maguindanao	146.0	177.0	307.0	1,010.0	1,307.0	1,285.0	1,215.0	1,169.3	1,189.4	1,218.4
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sugarcane										
PHILIPPINES	**17,929,269.5**	**28,376,517.8**	**26,395,914.6**	**24,584,841.5**	**25,029,880.0**	**22,926,437.3**	**22,370,546.2**	**29,286,893.2**	**24,730,820.0**	**20,719,291.1**
CAR	6,992.4	7,977.0	7,567.6	12,895.2	49,709.2	51,787.0	41,816.1	24,870.4	28,977.9	29,187.6
Abra	178.1	178.9	180.9	184.2	187.2	153.2	173.2	178.0	174.6	168.7
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	10.0	9.7	10.5	14.1	13.1	11.3
Ifugao	..	..	..	103.3	190.0	114.0	93.8	49.6	12.1	12.3
Kalinga	6,000.0	6,960.0	6,530.0	11,750.0	48,461.0	50,640.8	40,736.5	23,816.0	28,107.0	28,361.5
Mountain Province	814.3	838.1	856.7	857.7	861.1	869.4	802.1	812.7	671.1	633.8
ILOCOS REGION	19,613.9	18,613.2	19,029.1	19,320.5	19,313.5	19,512.2	19,571.5	19,804.9	19,589.3	19,392.7
Ilocos Norte	9,702.8	9,905.3	10,024.5	10,289.5	10,576.4	10,698.3	10,721.1	10,727.8	10,710.6	10,718.4
Ilocos Sur	2,568.3	2,594.6	2,673.4	2,761.4	2,714.3	2,700.8	2,745.2	2,834.1	2,931.0	2,844.0
La Union	1,506.0	1,578.2	1,629.2	1,675.0	1,718.9	1,819.6	1,855.5	1,923.5	1,965.1	2,034.4
Pangasinan	5,836.9	4,535.1	4,702.0	4,594.5	4,303.8	4,293.5	4,249.7	4,319.5	3,982.7	3,795.9
CAGAYAN VALLEY	181,545.5	176,322.2	251,805.0	491,489.5	569,077.4	583,808.3	562,001.6	457,444.2	398,730.6	350,183.3
Batanes	..	..	21.4	21.4	14.0	8.5	5.5	3.2	2.9	2.5
Cagayan	142,218.3	133,833.9	178,336.1	225,301.6	176,465.1	211,206.3	193,213.5	166,901.6	161,636.4	129,423.0
Isabela	38,979.7	42,188.9	73,179.4	265,902.0	392,330.7	372,322.7	368,512.9	290,277.6	236,848.6	220,529.8
Nueva Vizcaya	60.0	53.0	24.1	17.5	16.1	8.2	12.4	11.4	11.2	11.1
Quirino	287.5	246.3	244.0	247.0	251.5	262.5	257.3	250.4	231.5	217.0
CENTRAL LUZON	840,863.0	998,977.8	1,393,963.5	996,969.6	923,074.5	678,439.4	720,327.3	837,490.3	770,326.2	403,707.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	6,000.0	3,000.0	2,500.0	2,100.0	1,050.0	1,000.0	832.1	800.0	780.0	684.7
Bulacan	30.0	20.0	15.0	14.0	15.0	16.0	5.0	4.0	3.0	1.5
Nueva Ecija	2,295.0	2,302.1	2,300.8	2,652.8	6,400.0	6,560.0	7,083.4	7,437.6	4,940.0	4,551.2
Pampanga	274,505.4	301,848.9	510,842.3	264,287.3	189,375.0	171,569.0	160,992.7	184,282.0	137,159.0	86,650.3
Tarlac	557,837.5	691,600.5	878,030.5	727,647.1	725,957.3	499,005.7	551,141.0	644,696.0	627,210.2	311,584.8
Zambales	195.1	206.3	275.0	268.5	277.2	288.7	273.2	270.8	234.0	235.4
CALABARZON	1,665,807.0	2,132,414.9	1,918,858.2	1,783,985.4	1,578,075.9	1,741,706.2	1,663,545.1	1,795,255.1	1,670,120.2	1,131,780.2
Batangas	1,627,896.2	2,093,145.8	1,857,904.9	1,722,011.3	1,512,902.8	1,647,016.0	1,563,354.7	1,698,821.4	1,562,057.3	1,075,726.8
Cavite	27,874.6	28,731.1	50,942.2	52,964.2	53,923.2	78,159.8	88,171.8	84,075.7	90,103.5	41,930.4
Laguna	10,036.2	10,538.0	10,011.1	9,010.0	11,250.0	11,136.4	10,550.2	10,876.0	11,095.8	10,511.0
Quezon	..	..	..	..	..	5,394.0	1,468.5	1,482.0	6,863.5	3,612.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	224,000.6	306,048.8	282,047.1	259,311.4	259,238.9	239,010.1	264,095.3	245,886.5	224,385.7	181,898.4
Albay	64,920.1	66,462.1	70,119.3	74,224.6	69,412.4	67,096.5	70,584.5	65,817.6	70,473.0	74,894.9
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	159,077.9	239,584.0	211,925.0	185,084.0	189,824.0	171,911.0	193,508.0	180,066.0	153,910.0	107,001.0
Catanduanes	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	2.4	2.4	2.4	2.5	2.2	2.3	2.4	2.6	2.7	2.5
WESTERN VISAYAS	9,778,749.2	15,418,668.8	14,577,516.5	13,886,059.8	14,523,885.9	13,420,517.0	13,354,407.4	16,961,167.8	14,694,816.0	12,642,927.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	53,942.4	55,295.9	55,874.5	55,066.4	54,555.3	55,823.6	55,437.3	56,441.5	52,421.4	55,525.2
Capiz	386,623.4	607,704.3	503,260.5	375,655.8	482,209.6	448,599.4	473,050.8	578,527.5	435,038.1	373,741.6
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	642,212.2	1,258,357.5	1,149,658.0	970,446.6	1,270,718.4	1,178,517.0	1,339,051.2	1,569,885.1	1,356,345.2	1,195,591.3
Negros Occidental	8,695,971.2	13,497,311.0	12,868,723.6	12,484,891.0	12,716,402.6	11,737,577.0	11,486,868.1	14,756,313.7	12,851,011.3	11,018,069.0
CENTRAL VISAYAS	1,497,816.8	2,516,978.0	2,055,411.0	2,054,460.0	2,272,491.1	1,944,254.8	1,900,575.1	2,785,082.5	2,443,676.3	2,081,972.4
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	286,468.3	523,780.0	357,475.0	310,462.0	397,247.0	241,573.0	333,360.0	331,829.0	264,145.0	253,398.0
Negros Oriental	1,211,348.5	1,993,198.0	1,697,936.0	1,743,998.0	1,875,244.1	1,702,681.8	1,567,215.1	2,453,253.5	2,179,531.3	1,828,574.4
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	352,948.5	516,705.8	395,843.9	318,296.7	348,642.4	179,362.5	333,411.6	373,161.6	315,150.3	251,115.6
Biliran	..	..	..	..	..	..	..	0.1	0.2	0.2
Eastern Samar	2.2	2.2	2.1	2.1	1.4	0.5	0.5	0.4	0.4	0.3
Leyte	352,917.1	516,674.9	395,812.0	318,265.9	348,613.5	179,333.9	333,383.1	373,132.2	315,120.4	251,088.5
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	28.8	28.5	29.6	28.5	27.4	28.0	28.0	28.9	29.2	26.5
Southern Leyte	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
ZAMBOANGA PENINSULA	368.3	354.9	315.9	294.7	287.8	106.6	101.3	96.2	96.8	93.9
Zamboanga del Norte	234.0	237.7	219.8	205.1	198.4	18.1	14.5	13.9	11.6	9.4
Zamboanga del Sur	9.0	6.8	6.2	6.3	7.4	8.0	7.3	6.6	6.1	5.9
Zamboanga Sibugay	29.6	21.2	8.4	7.5	8.0	7.6	7.5	7.5	7.6	7.3
City of Zamboanga	95.7	89.2	81.5	75.8	74.1	73.0	72.1	68.1	71.5	71.3
NORTHERN MINDANAO	2,549,196.8	4,870,724.6	4,045,378.5	3,496,229.8	3,441,055.9	3,065,463.5	2,766,783.5	4,589,614.0	3,068,055.1	2,745,207.0
Bukidnon	2,549,196.8	4,870,724.6	4,045,378.5	3,496,029.8	3,440,880.9	3,065,307.5	2,766,783.5	4,589,614.0	3,068,055.1	2,745,207.0
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	200.0	175.0	156.0	..	..	..	..
DAVAO REGION	256,801.8	535,122.2	453,209.0	438,231.4	335,683.9	208,743.2	270,396.9	402,722.6	392,646.7	255,192.9
Davao del Norte	143.1	133.3	118.0	101.2	79.1	63.0	58.3	56.1	52.9	49.8
Davao del Sur	256,434.3	534,800.1	452,913.7	438,055.1	335,541.9	208,624.3	270,291.8	402,621.9	392,550.1	255,100.2
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	4.6	4.7	4.6	4.6	4.6	4.5	4.4	4.4	4.3	4.2
Davao de Oro (Compostela Valley)	219.9	184.2	172.8	70.6	58.3	51.4	42.4	40.2	39.4	38.6
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	505,691.7	821,513.3	902,177.7	735,087.5	632,979.0	680,383.0	437,447.3	684,402.5	589,604.8	535,317.2
North Cotabato	315,435.1	550,354.9	581,822.3	451,531.8	389,770.2	431,290.9	289,750.2	522,012.6	445,784.6	389,613.5
Sarangani	68,060.3	97,518.3	112,015.9	94,761.0	84,387.1	82,661.2	55,120.5	54,675.4	48,408.0	50,323.9
South Cotabato	43,330.1	45,414.8	54,955.6	59,887.7	37,132.3	38,074.5	9,585.5	17,292.3	15,608.9	12,584.8
Sultan Kudarat	78,866.2	128,225.3	153,384.0	128,907.0	121,689.4	128,356.4	82,991.2	90,422.2	79,803.2	82,795.0
CARAGA	3.4	1.0	0.8	0.8	0.5	0.4	0.4	0.4	1.6	4.3
Agusan del Norte	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	2.5
Surigao del Norte	..	..	..	..	..	..	..	..	1.1	1.0
Surigao del Sur	3.0	0.7	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.9
ARMM	48,870.6	56,095.4	92,790.7	92,209.4	76,364.2	113,343.2	36,065.9	109,894.3	114,642.7	91,310.7
Basilan	17.5	16.7	15.9	14.1	10.7	..	..	..	..	..
Lanao del Sur	43,762.0	46,240.0	86,761.0	86,579.8	74,365.1	105,069.6	36,052.6	109,881.6	114,629.1	91,298.8
Maguindanao	5,075.7	9,824.5	6,001.7	5,601.4	1,973.9	8,260.1	0.8	0.7	0.7	0.8
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	15.3	14.3	12.2	14.2	14.6	13.5	12.5	12.0	12.9	11.1

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tobacco										
PHILIPPINES	**40,529.8**	**44,944.5**	**48,074.9**	**53,753.0**	**61,417.5**	**56,193.5**	**56,456.7**	**51,024.2**	**50,381.1**	**51,060.8**
CAR	940.8	925.8	948.7	963.5	1,256.7	1,484.1	1,804.7	1,777.4	1,618.8	1,592.8
Abra	934.7	919.8	942.6	957.2	1,250.2	1,477.6	1,696.3	1,757.2	1,613.4	1,589.9
Apayao	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.2
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	1.2	1.3	1.3	1.4	1.9	1.8	1.6	1.8	1.0	0.5
Kalinga	4.8	4.5	4.6	4.6	4.2	4.3	106.4	17.9	4.0	2.3
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	27,324.5	30,170.8	32,538.4	37,111.4	40,073.3	39,398.3	38,230.6	35,637.5	34,631.9	34,375.9
Ilocos Norte	2,728.2	3,722.4	4,102.3	4,368.3	5,691.4	4,674.1	4,285.5	3,839.0	3,373.6	2,836.6
Ilocos Sur	13,833.0	15,904.6	17,526.7	21,570.7	23,269.9	23,804.0	23,314.8	22,159.2	22,153.5	21,867.1
La Union	5,464.1	5,106.7	5,486.6	5,591.0	5,701.4	5,887.2	5,570.1	5,442.2	5,221.3	5,131.2
Pangasinan	5,299.3	5,437.1	5,422.8	5,581.6	5,410.7	5,033.0	5,060.2	4,197.2	3,883.6	4,541.1
CAGAYAN VALLEY	10,501.6	12,276.7	12,960.0	12,889.3	15,967.6	11,627.2	12,210.4	9,501.1	10,602.5	12,117.9
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	2,187.5	2,955.0	2,761.0	3,194.1	3,400.8	2,631.0	1,520.6	887.0	1,186.1	1,701.7
Isabela	8,272.7	9,309.7	10,182.9	9,678.0	12,536.9	8,960.0	10,657.5	8,583.5	9,385.9	10,374.6
Nueva Vizcaya	15.0	12.0	16.0	17.1	30.0	36.3	32.2	30.6	30.5	41.6
Quirino	26.4	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	195.1	168.2	29.3	32.8	30.1	10.4	10.0	19.2	34.6	52.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	195.1	168.2	29.3	32.8	30.1	10.4	10.0	19.2	34.6	52.3
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	562.5	622.3	596.8	1,539.6	2,701.5	1,501.4	1,568.2	748.2	1.3	1.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	560.0	620.0	595.0	1,538.0	2,700.0	1,500.0	1,566.9	746.9	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	2.5	2.3	1.8	1.6	1.5	1.4	1.4	1.3	1.3	1.2
BICOL REGION	2.8	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	2.8	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	323.1	298.5	305.3	162.7	275.1	266.4	250.4	267.4	253.4	225.9
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	6.9	7.4	7.2	7.3	8.0	7.9	9.0	8.2	7.8	6.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	301.2	274.3	280.3	137.0	249.5	242.7	227.4	247.3	237.4	211.6
Negros Occidental	15.0	16.8	17.8	18.4	17.6	15.8	14.0	11.9	8.1	7.6
CENTRAL VISAYAS	15.7	10.6	9.3	9.6	10.1	9.4	10.7	6.6	7.6	12.9
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	3.7	2.8	2.4	1.3	0.8	0.8	..	..	..	..
Negros Oriental	12.0	7.8	6.9	8.3	9.3	8.7	10.7	6.6	7.6	12.9
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	20.3	19.2	18.0	12.6	7.6	6.2	4.7	4.3	4.1	4.0
Biliran	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0	0.8	0.7
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	15.7	15.1	14.3	9.2	4.8	3.6	2.3	2.0	2.0	2.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	1.4	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.2
Southern Leyte	1.4	1.0	0.9	0.7	0.4	0.2	0.1	0.1	0.1	0.1
ZAMBOANGA PENINSULA	21.3	16.1	15.1	15.9	26.8	26.3	28.6	26.8	24.1	23.4
Zamboanga del Norte	2.1	1.9	1.8	1.5	1.7	1.9	1.7	1.5	1.6	1.1
Zamboanga del Sur	9.1	8.3	7.5	8.4	8.8	8.9	5.9	4.0	..	..
Zamboanga Sibugay	9.6	5.4	5.4	5.5	15.8	15.0	20.5	20.8	22.0	21.8
City of Zamboanga	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NORTHERN MINDANAO	481.3	311.2	546.5	935.6	1,005.0	1,812.8	2,222.2	2,953.8	3,172.3	2,626.7
Bukidnon	..	..	..	..	..	22.8	221.2	377.8	349.3	250.7
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	481.3	311.2	546.5	935.6	1,005.0	1,790.0	2,001.0	2,576.0	2,823.0	2,376.1
DAVAO REGION	21.6	20.3	18.8	17.4	17.2	16.5	15.9	14.5	13.5	12.5
Davao del Norte	5.0	4.9	5.0	5.2	5.4	5.6	5.5	5.2	4.9	4.6
Davao del Sur	7.3	6.4	6.2	6.2	6.1	5.6	5.3	4.5	4.2	4.0
City of Davao	1.3	1.1	0.8	0.6	0.6	0.5	0.4	0.2	0.1	0.1
Davao Oriental	4.8	4.8	4.3	4.2	4.2	3.9	3.8	3.7	3.6	3.0
Davao de Oro (Compostela Valley)	3.2	3.1	2.5	1.2	1.0	0.9	0.9	0.9	0.9	0.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	53.8	49.9	46.0	36.9	30.4	28.6	95.8	64.4	16.5	14.6
North Cotabato	30.9	30.7	28.4	20.4	15.1	13.8	11.3	6.9	5.5	5.1
Sarangani	12.3	9.5	8.2	7.3	6.1	5.6	5.0	4.6	4.0	3.6
South Cotabato	8.0	7.7	7.5	7.3	7.2	7.3	77.9	51.8	6.7	5.9
Sultan Kudarat	2.6	2.1	1.9	2.0	2.1	2.0	1.7	1.1	0.3	0.1
CARAGA	4.4	1.6	1.5	1.4	1.0	0.9	1.0	0.6	0.5	0.6
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	4.4	1.6	1.5	1.4	1.0	0.9	1.0	0.6	0.5	0.6
ARMM	61.0	53.5	41.3	24.3	15.2	5.0	3.6	2.6	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	61.0	53.5	41.3	24.3	15.2	5.0	3.6	2.6	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tobacco Native										
PHILIPPINES	**10,765.3**	**11,546.0**	**10,525.2**	**10,805.5**	**10,169.1**	**8,177.9**	**5,779.0**	**6,495.5**	**6,966.9**	**8,193.7**
CAR	5.0	4.7	17.4	10.1	14.0	14.8	14.8	13.5	14.2	12.1
Abra	..	..	12.6	5.1	9.4	10.1	10.0	10.1	9.8	9.7
Apayao	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.2
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	4.8	4.5	4.6	4.6	4.2	4.3	4.4	2.9	4.0	2.3
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	4,164.1	4,055.2	4,235.8	4,075.7	4,127.4	4,203.9	4,373.1	4,688.0	4,671.4	4,791.1
Ilocos Norte	293.8	155.0	112.3	86.4	24.4	18.9	238.5	368.5	327.1	435.6
Ilocos Sur	1,367.8	1,347.0	1,462.9	1,300.9	1,442.5	1,467.7	1,415.6	1,521.0	1,875.0	1,822.1
La Union	1,608.4	1,631.7	1,776.3	1,794.7	1,816.2	1,878.8	1,923.2	1,986.6	1,814.1	1,854.1
Pangasinan	894.1	921.5	884.3	893.8	844.4	838.5	795.8	811.9	655.3	679.4
CAGAYAN VALLEY	5,590.0	6,704.0	5,270.0	5,518.7	4,828.3	2,918.7	378.0	746.3	927.2	1,857.3
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	1,314.8	1,950.5	1,787.5	2,066.7	2,187.3	1,637.3	169.8	328.0	499.7	606.7
Isabela	4,275.2	4,753.5	3,482.5	3,452.0	2,641.0	1,281.5	208.2	418.3	427.5	1,250.6
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	2.5	2.3	1.8	1.6	1.5	1.4	1.4	1.3	1.3	1.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	2.5	2.3	1.8	1.6	1.5	1.4	1.4	1.3	1.3	1.2
BICOL REGION	2.8	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	2.8	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	323.1	298.5	305.3	162.7	275.1	266.4	250.4	267.4	253.4	225.9
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	6.9	7.4	7.2	7.3	8.0	7.9	9.0	8.2	7.8	6.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	301.2	274.3	280.3	137.0	249.5	242.7	227.4	247.3	237.4	211.6
Negros Occidental	15.0	16.8	17.8	18.4	17.6	15.8	14.0	11.9	8.1	7.6
CENTRAL VISAYAS	14.2	9.6	8.6	9.1	9.7	9.2	10.7	6.6	7.6	12.9
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	3.7	2.8	2.4	1.3	0.8	0.8	..	..	..	..
Negros Oriental	10.5	6.8	6.3	7.8	8.9	8.5	10.7	6.6	7.6	12.9
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	20.3	19.2	18.0	12.6	7.6	6.2	4.7	4.3	4.1	4.0
Biliran	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0	0.8	0.7
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	15.7	15.1	14.3	9.2	4.8	3.6	2.3	2.0	2.0	2.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	1.4	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.2
Southern Leyte	1.4	1.0	0.9	0.7	0.4	0.2	0.1	0.1	0.1	0.1
ZAMBOANGA PENINSULA	21.3	16.1	15.1	15.9	26.8	26.3	28.6	26.8	24.1	23.4
Zamboanga del Norte	2.1	1.9	1.8	1.5	1.7	1.9	1.7	1.5	1.6	1.1
Zamboanga del Sur	9.1	8.3	7.5	8.4	8.8	8.9	5.9	4.0	..	..
Zamboanga Sibugay	9.6	5.4	5.4	5.5	15.8	15.0	20.5	20.8	22.0	21.8
City of Zamboanga	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NORTHERN MINDANAO	481.3	311.2	545.5	919.1	815.0	680.0	672.0	704.0	1,033.0	1,238.0
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	481.3	311.2	545.5	919.1	815.0	680.0	672.0	704.0	1,033.0	1,238.0
DAVAO REGION	21.6	20.3	18.8	17.4	17.2	16.5	15.9	14.5	13.5	12.5
Davao del Norte	5.0	4.9	5.0	5.2	5.4	5.6	5.5	5.2	4.9	4.6
Davao del Sur	7.3	6.4	6.2	6.2	6.1	5.6	5.3	4.5	4.2	4.0
City of Davao	1.3	1.1	0.8	0.6	0.6	0.5	0.4	0.2	0.1	0.1
Davao Oriental	4.8	4.8	4.3	4.2	4.2	3.9	3.8	3.7	3.6	3.0
Davao de Oro (Compostela Valley)	3.2	3.1	2.5	1.2	1.0	0.9	0.9	0.9	0.9	0.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	53.8	49.9	46.0	36.9	30.4	28.6	24.9	19.6	16.5	14.6
North Cotabato	30.9	30.7	28.4	20.4	15.1	13.8	11.3	6.9	5.5	5.1
Sarangani	12.3	9.5	8.2	7.3	6.1	5.6	5.0	4.6	4.0	3.6
South Cotabato	8.0	7.7	7.5	7.3	7.2	7.3	7.0	7.0	6.7	5.9
Sultan Kudarat	2.6	2.1	1.9	2.0	2.1	2.0	1.7	1.1	0.3	0.1
CARAGA	4.4	1.6	1.5	1.4	1.0	0.9	1.0	0.6	0.5	0.6
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	4.4	1.6	1.5	1.4	1.0	0.9	1.0	0.6	0.5	0.6
ARMM	61.0	53.5	41.3	24.3	15.2	5.0	3.6	2.6	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	61.0	53.5	41.3	24.3	15.2	5.0	3.6	2.6	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tobacco Virginia										
PHILIPPINES	**18,839.2**	**21,446.9**	**23,644.0**	**28,245.4**	**31,321.0**	**32,147.9**	**31,610.8**	**30,418.3**	**29,788.5**	**27,976.6**
CAR	934.7	919.8	930.0	944.3	1,226.0	1,452.1	1,671.1	1,731.3	1,588.6	1,565.9
Abra	934.7	919.8	930.0	944.3	1,226.0	1,452.1	1,671.1	1,731.3	1,588.6	1,565.9
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	17,903.0	20,526.1	22,693.5	27,267.4	29,888.8	29,562.8	28,342.7	26,437.2	26,060.6	25,021.9
Ilocos Norte	2,120.4	3,134.4	3,495.6	3,785.2	4,909.2	4,001.3	3,558.0	3,161.4	2,931.1	2,260.7
Ilocos Sur	12,209.2	14,226.1	16,057.6	20,269.3	21,734.9	22,245.4	21,814.2	20,544.6	20,184.5	19,953.3
La Union	3,573.4	3,165.7	3,140.3	3,212.9	3,244.7	3,316.1	2,970.5	2,731.3	2,945.0	2,808.0
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	18.8	16.8	15.8	..	46.8	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	18.8	16.8	15.8	..	46.8	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	1.5	1.0	0.6	0.5	0.4	0.2	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	1.5	1.0	0.6	0.5	0.4	0.2	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	..	1.0	16.5	190.0	1,132.8	1,550.2	2,249.8	2,139.3	1,388.7
Bukidnon	..	..	..	..	..	22.8	221.2	377.8	349.3	250.7
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	1.0	16.5	190.0	1,110.0	1,329.0	1,872.0	1,790.0	1,138.1
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana										
PHILIPPINES	**9,101,341.2**	**9,165,046.4**	**9,226,768.1**	**8,646,416.6**	**8,884,857.4**	**9,083,929.0**	**8,903,684.1**	**9,166,334.3**	**9,358,784.6**	**9,157,676.1**
CAR	25,668.9	25,082.5	25,100.1	27,194.6	26,254.0	26,576.4	25,584.5	21,104.5	20,866.5	18,574.6
Abra	7,782.1	7,617.4	7,685.0	7,615.6	7,054.1	7,408.6	6,539.1	6,519.6	6,148.4	6,016.7
Apayao	6,442.6	6,404.8	6,405.5	9,440.0	8,916.4	8,838.0	9,072.4	5,443.4	5,216.8	5,362.4
Benguet	2,193.5	2,094.4	2,011.5	2,039.7	2,065.2	1,973.0	1,853.8	1,711.7	1,548.7	1,605.9
Ifugao	6,699.6	6,553.8	6,510.3	5,424.1	5,445.1	5,502.2	5,486.1	5,493.2	5,077.7	3,439.2
Kalinga	1,175.2	1,193.4	1,200.9	1,287.5	1,245.9	1,270.4	1,117.8	616.3	1,412.4	775.9
Mountain Province	1,375.9	1,218.8	1,287.0	1,387.7	1,527.4	1,584.3	1,515.4	1,320.3	1,462.5	1,374.7
ILOCOS REGION	41,220.3	40,785.2	42,559.7	43,478.9	43,880.4	43,164.2	41,505.8	42,353.1	42,181.3	41,702.1
Ilocos Norte	9,098.5	9,304.4	9,675.8	9,931.0	10,088.7	10,142.7	10,155.8	10,272.0	10,495.3	10,099.8
Ilocos Sur	9,190.5	9,619.2	10,081.5	10,498.6	10,306.3	9,974.1	9,747.5	9,593.0	9,394.0	9,111.6
La Union	6,881.9	6,884.5	7,074.3	7,254.7	7,396.1	7,453.6	7,170.8	7,920.7	8,020.6	7,534.1
Pangasinan	16,049.5	14,977.2	15,728.1	15,794.6	16,089.3	15,593.8	14,431.8	14,567.4	14,271.4	14,956.6
CAGAYAN VALLEY	368,074.2	269,193.4	309,238.9	361,063.4	376,366.0	384,134.2	354,400.4	307,605.9	346,524.0	286,305.9
Batanes	..	..	770.1	667.9	432.7	277.0	207.8	37.7	41.5	40.5
Cagayan	59,322.6	52,033.0	63,826.1	79,816.3	71,892.2	77,033.6	81,319.1	41,791.4	67,199.3	56,693.9
Isabela	188,624.1	124,822.1	195,688.4	207,312.3	214,635.2	212,297.5	195,646.3	178,876.9	192,047.7	157,535.0
Nueva Vizcaya	30,417.6	28,489.4	26,251.3	24,807.7	24,458.5	23,679.5	25,926.1	25,110.3	25,488.0	25,971.5
Quirino	89,710.0	63,848.9	22,703.0	48,459.3	64,947.4	70,846.6	51,301.1	61,789.6	61,747.6	46,065.0
CENTRAL LUZON	58,216.4	57,419.9	57,584.1	58,917.2	58,783.3	58,438.8	49,654.0	49,811.3	50,808.7	53,804.2
Aurora	12,881.0	12,362.5	12,549.0	14,661.6	15,306.1	14,453.5	6,338.0	4,587.8	4,996.7	5,198.4
Bataan	1,433.5	1,322.3	1,230.2	1,166.1	1,170.6	1,314.9	1,261.2	1,371.5	1,093.6	1,130.0
Bulacan	18,123.8	18,252.9	18,525.8	18,475.9	18,975.2	20,232.0	19,691.5	20,084.4	20,011.4	20,257.4
Nueva Ecija	7,390.6	7,354.9	7,432.1	7,350.3	7,319.6	7,205.2	7,202.3	7,505.2	7,614.9	8,162.3
Pampanga	2,622.0	2,520.0	2,479.0	2,416.0	2,364.0	2,376.0	2,507.9	2,684.6	2,721.8	2,848.2
Tarlac	4,845.3	4,909.8	4,889.6	4,932.2	4,195.4	3,866.1	3,814.8	4,592.7	5,158.4	5,519.9
Zambales	10,920.2	10,697.6	10,478.5	9,915.2	9,452.5	8,991.0	8,838.4	8,985.2	9,212.1	10,688.0
CALABARZON	105,841.8	113,587.6	116,468.5	117,974.0	104,303.5	96,306.5	111,736.0	114,129.9	114,871.2	109,261.2
Batangas	33,451.7	33,937.9	34,423.8	33,775.4	32,016.4	33,152.5	40,186.9	41,289.3	43,263.0	40,919.8
Cavite	24,775.7	25,306.0	25,420.5	25,768.4	22,528.3	19,161.3	23,521.2	24,745.0	22,419.1	20,302.6
Laguna	16,349.6	18,745.6	19,509.2	20,086.3	15,867.3	12,318.2	13,835.6	13,970.9	13,947.8	13,949.3
Quezon	28,181.4	32,337.0	33,839.3	34,894.0	30,545.0	28,260.0	30,660.4	30,300.6	31,375.2	30,281.9
Rizal	3,083.4	3,261.1	3,275.8	3,450.0	3,346.6	3,414.6	3,531.9	3,824.1	3,866.1	3,807.6
MIMAROPA	210,382.9	223,794.1	199,267.7	158,671.4	155,262.8	168,299.0	97,993.9	93,174.9	104,120.5	108,084.1
Marinduque	823.9	843.3	841.2	804.5	731.4	705.2	646.6	613.0	648.6	650.1
Occidental Mindoro	3,224.3	3,399.1	3,564.4	3,622.6	3,522.5	3,683.5	3,667.2	3,922.7	4,063.0	4,044.5
Oriental Mindoro	178,417.8	189,752.4	162,947.0	120,242.7	115,380.9	126,581.6	57,076.8	49,802.9	59,794.9	64,318.4
Palawan	20,595.2	22,365.0	24,256.5	26,421.5	28,764.8	30,585.2	30,400.9	32,397.2	32,990.2	32,935.3
Romblon	7,321.7	7,434.4	7,658.6	7,580.1	6,863.3	6,743.6	6,202.5	6,439.1	6,623.8	6,135.9
BICOL REGION	77,891.5	78,942.3	81,413.6	83,352.6	74,510.7	76,451.7	76,841.2	73,342.6	79,062.8	78,178.7
Albay	12,708.8	12,568.2	13,496.7	14,718.4	11,573.7	11,234.7	11,695.9	11,098.4	11,863.3	11,754.4
Camarines Norte	8,030.0	8,104.0	8,301.0	8,456.8	7,839.8	8,085.0	8,849.3	10,496.0	12,196.4	13,180.3
Camarines Sur	34,822.0	34,748.8	34,827.9	35,353.1	33,533.8	33,938.8	34,539.0	29,377.8	31,882.0	30,171.1
Catanduanes	1,319.1	1,289.7	1,283.5	1,320.9	1,290.9	1,338.6	1,384.9	1,126.3	1,230.0	1,251.2
Masbate	3,356.3	3,306.6	3,562.9	3,561.1	3,582.6	3,645.2	3,594.2	3,813.2	3,953.0	4,352.2
Sorsogon	17,655.4	18,925.1	19,941.6	19,942.3	16,689.8	18,209.5	16,778.0	17,430.8	17,938.1	17,469.5
WESTERN VISAYAS	332,177.7	344,588.5	353,137.7	332,761.6	270,329.9	285,578.0	284,696.6	291,136.3	302,101.9	304,644.4
Aklan	52,170.1	52,864.6	52,496.7	51,266.7	28,173.0	28,854.9	29,153.9	29,456.1	30,196.9	31,933.1
Antique	17,870.0	20,334.4	20,830.7	16,590.8	15,927.1	17,733.4	17,628.7	18,866.4	19,936.6	19,587.4
Capiz	27,623.0	27,933.2	28,234.3	26,103.3	3,503.9	7,440.1	7,805.6	8,023.2	8,110.9	9,509.7
Guimaras	5,029.1	5,513.3	5,945.4	5,936.4	5,972.5	5,569.8	5,537.1	6,195.3	6,600.0	6,969.4
Iloilo	145,811.5	152,416.0	158,444.0	147,511.0	131,642.0	140,624.0	140,384.0	143,877.0	149,069.0	146,835.0
Negros Occidental	83,674.0	85,527.1	87,186.7	85,353.5	85,111.4	85,355.8	84,187.4	84,718.3	88,188.4	89,809.9
CENTRAL VISAYAS	182,323.1	199,545.0	202,511.8	190,699.6	194,069.3	198,837.7	193,903.0	205,674.6	207,959.1	195,783.9
Bohol	40,378.6	42,445.4	44,320.9	44,793.5	34,401.2	32,801.3	28,471.0	32,803.8	33,923.5	32,535.7
Cebu	52,880.3	61,784.3	63,515.7	61,821.6	67,585.7	78,378.9	84,075.1	86,438.3	89,066.7	84,505.2
Negros Oriental	71,695.6	77,491.6	77,240.8	73,207.1	76,690.3	72,618.2	67,910.0	71,994.9	70,449.5	65,222.1
Siquijor	17,368.5	17,823.7	17,434.4	10,877.4	15,392.1	15,039.3	13,446.4	14,437.6	14,519.5	13,520.8
EASTERN VISAYAS	278,305.8	277,173.2	280,439.1	259,095.4	216,991.2	227,223.2	226,602.8	232,502.0	233,577.8	239,334.3
Biliran	16,225.1	16,235.4	16,243.9	13,918.9	10,970.2	11,020.2	11,133.0	11,004.1	9,381.0	9,033.8
Eastern Samar	5,578.1	5,415.5	5,708.4	5,413.3	4,494.1	3,103.9	3,093.1	2,936.9	2,629.5	2,528.1
Leyte	52,252.4	51,392.1	51,456.2	46,359.4	20,859.3	23,603.0	26,944.0	28,944.0	28,738.0	28,931.7
Northern Samar	19,313.2	19,870.3	20,645.9	22,002.0	22,734.4	22,542.1	18,567.6	18,502.0	18,567.2	18,464.4
Samar (Western Samar)	116,277.0	116,122.9	116,236.8	103,486.5	94,127.0	103,705.0	103,271.0	107,995.0	110,641.0	117,130.7
Southern Leyte	68,660.0	68,137.0	70,148.0	67,915.3	63,806.3	63,249.1	63,594.2	63,120.0	63,621.1	63,245.6
ZAMBOANGA PENINSULA	263,643.3	238,309.3	240,487.2	259,188.2	274,127.3	281,856.1	260,789.9	262,520.8	259,327.9	252,478.1
Zamboanga del Norte	128,580.5	101,173.0	92,678.4	90,975.1	92,684.0	103,369.1	93,440.3	91,282.6	86,520.3	82,095.6
Zamboanga del Sur	48,333.1	49,523.9	59,089.9	76,094.0	86,072.6	86,012.4	82,061.1	83,394.6	83,136.9	80,202.0
Zamboanga Sibugay	25,158.6	25,402.6	25,466.6	26,067.9	26,246.3	24,619.1	24,555.3	24,202.8	25,544.3	25,941.1
City of Zamboanga	61,571.1	62,209.8	63,252.2	66,051.2	69,124.5	67,855.7	60,733.3	63,640.9	64,126.5	64,239.5
NORTHERN MINDANAO	1,702,391.8	1,725,775.2	1,718,787.4	1,735,977.4	1,781,044.7	1,832,172.6	1,864,422.3	1,930,061.6	1,951,138.5	1,964,148.2
Bukidnon	1,173,881.0	1,170,568.8	1,156,380.0	1,171,501.0	1,199,550.0	1,251,453.0	1,288,148.0	1,347,373.3	1,365,823.0	1,382,418.0
Camiguin	6,068.8	6,167.8	5,855.1	5,457.9	5,442.4	5,331.1	5,112.9	4,874.3	4,599.9	4,369.5
Lanao del Norte	301,823.9	295,938.3	281,885.7	279,692.3	281,359.7	281,699.8	282,944.2	281,738.0	281,992.0	282,657.0
Misamis Occidental	56,233.6	62,609.4	65,038.5	68,982.9	74,724.1	78,190.3	74,372.8	75,053.2	75,933.9	75,713.4
Misamis Oriental	164,384.6	190,490.9	209,628.2	210,343.4	219,968.5	215,498.4	213,844.5	221,022.8	222,789.8	218,990.3
DAVAO REGION	3,804,460.0	3,854,844.8	3,785,421.7	3,164,641.0	3,368,175.6	3,455,014.1	3,479,472.7	3,512,941.9	3,555,285.0	3,428,963.4
Davao del Norte	1,540,535.6	1,575,008.9	1,537,830.8	1,549,552.3	1,591,007.9	1,605,354.9	1,626,145.7	1,634,153.5	1,651,145.9	1,561,441.2
Davao del Sur	577,254.9	580,243.5	580,030.5	582,532.2	593,671.6	610,905.8	611,986.4	623,809.1	635,768.0	436,101.0
City of Davao	227,651.5	232,351.8	237,680.9	240,935.1	245,838.1	253,840.5	256,574.6	268,152.5	282,951.6	289,464.8
Davao Oriental	139,815.7	152,479.3	159,284.3	149,969.3	159,673.5	159,899.0	158,776.9	163,642.9	165,354.1	167,432.6
Davao de Oro (Compostela Valley)	1,319,202.3	1,314,761.3	1,270,595.3	641,652.1	777,984.5	825,013.9	825,989.1	823,183.8	820,065.4	812,350.0
Davao Occidental	..	..	..	..	..	..	..	..	..	162,173.9
SOCCSKSARGEN	1,043,811.3	1,094,956.0	1,155,347.6	1,185,492.3	1,203,369.1	1,159,091.0	1,024,388.9	1,167,203.0	1,208,240.5	1,182,437.6
North Cotabato	604,126.2	629,150.5	644,785.9	661,100.5	664,230.5	630,014.7	483,115.4	526,062.7	540,518.6	514,955.9
Sarangani	155,132.6	179,190.9	219,067.9	218,874.3	214,183.8	202,615.5	197,884.1	206,138.4	209,296.0	203,776.3
South Cotabato	254,183.7	257,893.0	261,972.6	273,046.9	277,206.5	277,057.1	254,052.1	269,462.3	277,032.9	277,416.5
Sultan Kudarat	30,368.8	28,721.6	29,521.3	32,470.6	47,748.3	49,403.7	89,337.4	165,539.6	181,393.1	186,288.9
CARAGA	210,392.9	204,139.9	218,805.0	208,303.2	243,791.9	259,737.7	278,015.0	293,055.6	289,457.9	294,304.3
Agusan del Norte	89,470.4	80,954.7	73,975.3	64,261.0	58,698.5	62,238.6	67,112.8	68,237.4	68,467.9	71,602.1
Agusan del Sur	61,598.1	62,225.6	67,493.8	57,270.9	65,802.9	68,094.5	76,921.3	82,893.4	82,795.2	79,594.4
Dinagat Islands	..	..	..	410.9	255.7	229.1	225.3	219.3	257.3	291.0
Surigao del Norte	9,466.6	8,485.8	6,590.4	7,356.4	6,568.8	6,409.9	5,733.6	5,958.6	5,766.6	5,522.2
Surigao del Sur	49,857.9	52,473.8	70,745.5	79,004.0	112,466.0	122,765.6	128,022.1	135,747.0	132,170.9	137,294.6
ARMM	396,539.4	416,909.6	440,198.0	459,606.0	493,597.6	531,047.7	533,677.2	569,716.4	593,260.9	599,671.1
Basilan	24,215.2	24,664.8	23,789.5	22,965.7	23,523.5	22,782.5	20,970.0	21,046.0	21,537.6	20,799.6
Lanao del Sur	107,998.4	106,669.4	105,856.6	105,293.6	108,777.0	109,907.4	110,766.5	110,847.5	111,977.4	111,990.1
Maguindanao	236,170.2	258,562.9	283,940.5	306,055.1	336,244.0	373,762.9	378,486.9	414,276.0	435,532.0	442,820.0
Sulu	19,150.8	17,970.0	17,814.0	16,848.3	16,735.1	16,610.2	15,429.0	15,486.7	15,899.0	15,834.5
Tawi-tawi	9,004.8	9,042.5	8,797.5	8,443.4	8,318.1	7,984.8	8,024.8	8,060.2	8,314.9	8,226.8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana Cavendish										
PHILIPPINES	**4,600,616.6**	**4,685,997.2**	**4,694,655.3**	**4,230,088.7**	**4,448,460.0**	**4,566,907.0**	**4,638,328.3**	**4,836,254.2**	**4,919,219.6**	**4,847,454.7**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	281.0	311.4	300.0	237.0	253.6	255.6	326.0	318.0	325.2	330.4
Batanes	..	..	15.7	15.3	9.6	0.8	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	281.0	311.4	284.3	221.7	244.1	254.8	326.0	318.0	325.2	330.4
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	107.1	805.0	909.3	941.5	318.6	936.1	968.4	599.8	651.5	878.3
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	6.0	8.4	8.3	5.3	4.6	4.3	3.9	3.2
Laguna	107.1	805.0	903.3	933.2	310.3	930.8	963.8	595.5	647.6	875.1
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	83.6	276.8	256.2
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	83.6	276.8	256.2
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	1,551.6	1,588.9	1,647.8	1,488.0	1,287.9	1,318.3	1,409.9	1,641.5	4,566.3	5,777.3
Aklan	33.0	36.2	40.9	38.8	22.2	25.3	25.1	27.5	28.6	29.3
Antique	13.8	16.0	17.8	17.4	17.0	19.0	17.9	19.6	20.1	20.5
Capiz	..	..	..	..	0.9	4.7	6.8	8.6	9.5	11.1
Guimaras	5.3	5.7	6.0	5.8	5.8	5.3	5.0	3.8	3.1	3.1
Iloilo	1,499.5	1,531.0	1,583.0	1,426.0	1,242.0	1,264.0	1,355.0	1,582.0	1,601.0	1,395.0
Negros Occidental	..	..	..	..	..	..	..	..	2,904.0	4,318.2
CENTRAL VISAYAS	823.2	886.7	896.7	1,292.9	2,306.4	2,734.8	1,935.8	757.7	693.4	591.1
Bohol	672.5	712.5	727.9	867.5	773.2	741.3	467.4	552.4	503.9	425.8
Cebu	12.2	15.8	17.2	274.1	1,375.1	1,839.2	1,311.4	37.6	37.7	38.4
Negros Oriental	138.4	158.3	151.6	151.3	158.1	154.3	151.5	161.4	140.5	117.0
Siquijor	..	..	..	..	..	..	5.5	6.3	11.3	9.9
EASTERN VISAYAS	192.1	188.7	192.7	151.3	70.3	79.9	88.4	91.0	83.4	91.7
Biliran	6.6	6.8	6.8	5.8	4.9	5.7	6.0	5.1	..	0.1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	185.5	181.9	185.9	145.5	65.4	74.2	82.4	86.0	83.4	91.6
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	169.2	157.3	145.9	599.8	318.9	200.0	169.7	171.8	170.3	166.4
Zamboanga del Norte	..	..	..	424.4	126.6	22.9	..	..	..	..
Zamboanga del Sur	124.7	121.3	113.9	146.4	152.2	144.4	135.5	140.0	140.6	136.6
Zamboanga Sibugay	44.5	36.0	32.0	29.1	40.1	32.6	34.3	31.8	29.7	29.8
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	1,117,121.0	1,115,622.1	1,102,389.4	1,120,311.1	1,148,625.2	1,200,592.7	1,237,619.0	1,296,400.4	1,313,762.5	1,329,668.1
Bukidnon	1,116,100.0	1,111,620.8	1,097,485.0	1,112,616.0	1,140,000.0	1,190,665.0	1,227,460.0	1,285,125.0	1,302,236.0	1,318,135.0
Camiguin	..	..	..	..	..	..	..	..	9.4	9.9
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	741.0	730.4	782.4	806.1	832.7	842.7	586.0	526.4	470.1	458.2
Misamis Oriental	280.0	3,271.0	4,122.0	6,889.0	7,792.5	9,085.0	9,573.0	10,749.0	11,047.0	11,065.0
DAVAO REGION	2,927,246.7	2,961,988.8	2,902,973.6	2,392,320.2	2,537,739.6	2,604,719.2	2,634,744.0	2,655,760.3	2,684,566.6	2,595,818.6
Davao del Norte	1,478,692.9	1,511,034.2	1,472,761.8	1,484,529.4	1,523,102.8	1,536,253.2	1,558,353.0	1,566,782.8	1,583,289.9	1,493,691.0
Davao del Sur	173,859.1	175,293.2	176,817.1	177,888.6	181,401.0	189,304.6	189,248.3	190,146.8	190,371.0	167,630.5
City of Davao	173,828.1	176,786.1	181,944.0	185,166.3	188,581.2	195,489.0	198,555.3	208,472.8	222,045.0	228,088.3
Davao Oriental	715.9	2,077.5	3,044.6	2,927.5	3,279.1	3,219.1	3,596.8	8,586.0	10,444.5	11,914.5
Davao de Oro (Compostela Valley)	1,100,150.8	1,096,797.8	1,068,406.2	541,808.4	641,375.5	680,453.3	684,990.7	681,771.8	678,416.3	670,683.1
Davao Occidental	..	..	..	..	..	..	..	..	..	23,811.2
SOCCSKSARGEN	432,473.6	464,688.2	505,827.3	520,618.2	522,132.9	484,747.7	481,142.8	578,131.4	608,335.1	597,640.2
North Cotabato	200,951.3	212,203.8	214,929.9	221,080.9	216,399.9	184,621.7	154,741.0	164,599.6	171,112.1	154,952.3
Sarangani	102,503.6	120,460.0	151,792.0	146,653.0	139,205.0	128,955.0	126,595.0	132,630.0	134,360.0	132,820.0
South Cotabato	128,979.9	131,997.3	139,105.5	151,652.2	157,727.8	159,830.9	147,407.7	158,106.2	162,874.8	165,136.1
Sultan Kudarat	38.8	27.1	..	1,232.1	8,800.2	11,340.2	52,399.1	122,795.6	139,988.2	144,731.8
CARAGA	14,739.2	20,486.2	40,886.1	45,252.7	76,935.1	94,904.9	100,243.1	105,604.0	98,344.6	105,994.3
Agusan del Norte	12,184.5	10,435.4	10,013.9	6,435.9	4,991.6	11,050.1	15,451.2	15,660.0	17,090.0	18,998.0
Agusan del Sur	29.2	17.8	13.1	7.0	6.1	5.4	4.1	4.3	176.9	2,667.0
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	491.0	346.0	234.0	144.8	100.4	80.0	62.5	59.3	53.0	46.3
Surigao del Sur	2,034.5	9,687.0	30,625.0	38,665.0	71,837.0	83,769.5	84,725.3	89,880.5	81,024.8	84,283.0
ARMM	105,911.9	119,273.9	138,486.7	146,876.1	158,471.6	176,417.9	179,681.2	196,694.7	207,443.9	210,242.0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	88.4	87.7	102.8	113.3	619.6	632.6	638.1	638.8	643.9	647.0
Maguindanao	105,823.5	119,186.2	138,384.0	146,762.8	157,852.0	175,785.3	179,043.1	196,055.9	206,800.0	209,595.0
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana Lakatan										
PHILIPPINES	**921,601.5**	**926,718.9**	**942,893.0**	**930,031.7**	**954,856.2**	**970,495.8**	**898,514.9**	**910,983.1**	**929,541.7**	**909,717.2**
CAR	4,318.0	4,231.3	4,146.0	4,829.3	4,603.6	4,457.6	4,276.2	2,962.3	2,736.5	2,790.6
Abra	256.0	254.9	257.3	269.0	271.4	282.1	240.2	255.5	231.0	231.1
Apayao	2,233.0	2,191.0	2,216.0	3,174.0	2,968.7	2,927.6	2,872.1	1,694.5	1,593.8	1,827.3
Benguet	384.5	377.7	357.7	355.6	347.5	297.6	261.8	247.6	221.2	223.5
Ifugao	1,105.6	1,068.6	1,021.5	759.7	770.8	730.3	733.2	722.9	638.6	482.0
Kalinga	322.0	328.4	283.4	262.5	240.8	219.1	169.0	41.8	52.0	26.8
Mountain Province	16.9	10.7	10.1	8.5	4.4	0.9	..	..	..	..
ILOCOS REGION	930.8	932.0	950.4	944.3	908.0	854.0	807.1	819.0	736.7	685.2
Ilocos Norte	94.6	98.5	108.0	111.3	113.0	113.2	112.7	112.4	114.0	110.5
Ilocos Sur	97.8	107.4	117.4	125.4	119.6	115.7	112.2	114.9	112.5	108.8
La Union	381.4	369.7	354.3	346.0	336.8	319.9	311.6	335.2	329.2	297.9
Pangasinan	357.1	356.3	370.7	361.6	338.6	305.2	270.6	256.6	181.0	168.1
CAGAYAN VALLEY	39,773.4	29,304.7	35,306.9	40,680.4	38,786.4	36,884.0	34,219.0	29,050.2	32,400.1	27,344.9
Batanes	..	..	..	37.6	25.6	13.8	7.9	1.8	2.5	1.9
Cagayan	8,368.6	7,425.4	9,014.5	10,725.9	9,199.4	8,863.0	9,370.0	4,795.7	7,228.1	6,562.1
Isabela	18,691.1	12,567.2	20,548.8	21,714.7	19,851.5	17,547.2	15,542.1	13,942.4	14,785.4	12,198.0
Nueva Vizcaya	3,676.8	3,240.3	3,013.6	2,887.3	2,824.9	2,732.9	3,126.7	2,955.4	3,050.9	3,052.0
Quirino	9,037.0	6,071.7	2,730.0	5,315.0	6,885.0	7,727.2	6,172.4	7,354.8	7,333.2	5,530.9
CENTRAL LUZON	13,200.3	13,140.0	13,242.7	13,169.1	13,442.6	13,974.2	12,944.5	13,221.9	13,103.2	12,289.4
Aurora	1,251.0	1,226.7	1,267.2	1,327.9	1,551.0	1,472.0	748.3	699.3	688.3	507.4
Bataan	145.4	133.0	122.0	116.0	134.0	195.0	182.5	195.0	180.3	186.6
Bulacan	8,037.0	8,085.0	8,203.0	8,192.0	8,350.0	8,986.0	8,665.0	8,775.0	8,680.0	7,844.4
Nueva Ecija	1,117.0	1,113.6	1,130.1	1,116.5	1,114.5	1,105.9	1,116.7	1,148.9	1,139.1	1,246.1
Pampanga	850.0	817.0	794.0	773.0	753.0	755.0	794.8	890.2	894.0	915.6
Tarlac	309.9	314.8	314.3	317.9	269.2	262.3	258.9	329.3	341.3	409.2
Zambales	1,490.0	1,449.9	1,412.1	1,325.8	1,270.9	1,198.0	1,178.4	1,184.1	1,180.1	1,180.2
CALABARZON	8,060.4	8,144.0	8,259.5	8,471.8	7,454.7	6,335.4	6,847.0	7,132.3	7,202.3	6,729.7
Batangas	301.0	282.8	246.1	260.0	249.5	210.7	207.7	171.8	161.8	175.7
Cavite	4,122.8	4,183.0	4,212.0	4,284.9	3,632.9	3,119.2	3,394.8	3,345.5	3,236.9	2,941.4
Laguna	1,937.1	2,014.3	2,051.4	2,095.4	1,833.0	1,321.2	1,455.9	1,663.8	1,747.0	1,671.4
Quezon	1,384.7	1,341.9	1,424.1	1,469.5	1,384.4	1,327.3	1,424.3	1,541.4	1,651.8	1,560.0
Rizal	314.8	322.0	326.0	362.0	355.0	357.0	364.3	409.9	404.8	381.1
MIMAROPA	39,953.9	42,266.5	37,151.5	29,176.3	28,565.1	31,117.6	14,502.9	13,702.7	15,861.8	16,947.1
Marinduque	78.7	80.9	81.0	79.0	71.9	70.6	64.1	63.3	64.7	64.3
Occidental Mindoro	307.7	322.7	337.4	342.0	329.6	342.0	338.2	362.4	369.0	369.2
Oriental Mindoro	36,990.3	39,102.1	33,713.7	25,306.0	24,489.7	26,838.9	10,273.6	9,280.3	11,395.6	12,498.3
Palawan	2,286.6	2,460.5	2,708.3	3,145.7	3,397.8	3,590.0	3,570.1	3,737.5	3,765.4	3,768.2
Romblon	290.5	300.4	311.1	303.6	276.1	276.0	257.0	259.2	267.1	247.1
BICOL REGION	3,719.9	3,727.0	3,812.2	3,926.9	3,644.1	3,671.9	3,639.4	3,272.5	3,581.0	3,557.2
Albay	286.7	282.7	294.3	310.7	268.1	248.4	255.4	239.2	226.7	219.2
Camarines Norte	330.0	340.0	351.0	362.2	313.7	329.2	391.2	452.7	590.9	615.9
Camarines Sur	2,463.4	2,446.4	2,460.0	2,506.9	2,402.7	2,405.7	2,344.9	1,894.0	2,051.5	2,007.0
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	184.2	181.6	193.0	191.9	192.8	194.1	197.9	211.6	220.8	242.6
Sorsogon	455.7	476.3	513.9	555.2	466.7	494.6	450.0	475.1	491.2	472.5
WESTERN VISAYAS	19,245.5	19,757.5	20,155.8	19,696.1	17,244.0	18,488.1	19,141.5	19,749.0	20,442.7	21,213.1
Aklan	672.4	682.4	546.1	544.2	256.9	274.4	262.3	274.8	280.0	287.9
Antique	291.1	315.5	322.4	315.2	308.5	364.3	355.3	375.4	382.4	362.8
Capiz	150.6	182.8	220.1	197.7	75.4	102.9	122.2	132.4	141.6	168.4
Guimaras	61.5	64.3	74.8	81.8	82.2	78.8	74.6	77.8	74.9	68.3
Iloilo	14,575.0	14,952.0	15,348.0	14,892.0	12,963.0	13,998.0	14,680.0	15,260.0	16,100.0	16,795.0
Negros Occidental	3,494.9	3,560.6	3,644.5	3,665.3	3,558.0	3,669.7	3,647.0	3,628.6	3,463.8	3,530.8
CENTRAL VISAYAS	14,309.6	16,556.4	16,526.8	17,510.6	17,870.5	18,777.0	17,761.5	19,230.2	19,074.8	17,524.7
Bohol	3,167.2	3,507.7	3,612.9	4,727.7	4,282.8	4,134.7	3,200.5	3,914.9	3,618.6	3,058.1
Cebu	5,260.0	6,476.3	6,593.5	6,741.0	7,261.1	8,763.2	9,246.5	9,742.2	10,147.4	9,619.2
Negros Oriental	5,776.0	6,450.7	6,199.0	5,939.6	6,195.6	5,752.9	5,226.8	5,476.1	5,208.9	4,754.5
Siquijor	106.4	121.7	121.4	102.4	131.0	126.2	87.6	97.0	100.0	92.9
EASTERN VISAYAS	16,249.4	16,123.7	16,221.6	14,622.0	12,595.3	12,592.2	11,720.1	11,739.7	11,457.1	11,296.9
Biliran	1,268.0	1,268.3	1,269.9	1,133.8	896.0	890.9	899.4	763.0	482.0	438.0
Eastern Samar	1,071.5	1,036.8	1,072.8	1,026.1	895.7	457.4	463.5	312.5	214.5	153.8
Leyte	2,164.2	2,128.7	2,146.5	1,981.3	777.6	865.0	960.0	1,037.9	1,001.7	1,042.4
Northern Samar	4,177.8	4,299.0	4,446.6	4,660.4	4,742.8	4,723.9	3,749.8	3,776.0	3,803.3	3,778.5
Samar (Western Samar)	3,928.0	3,920.9	3,931.8	3,697.5	3,300.0	3,730.0	3,703.0	3,901.0	3,994.0	4,004.5
Southern Leyte	3,640.0	3,470.0	3,354.0	2,122.8	1,983.2	1,925.0	1,944.5	1,949.4	1,961.6	1,879.6
ZAMBOANGA PENINSULA	53,372.3	45,952.3	49,181.3	55,743.7	61,721.8	63,756.3	61,909.7	62,081.5	62,339.2	62,843.0
Zamboanga del Norte	35,251.3	25,928.3	24,452.9	25,082.3	26,069.7	28,101.0	27,409.6	27,531.3	27,662.5	27,300.5
Zamboanga del Sur	9,297.6	10,906.4	15,404.0	20,486.7	25,233.4	25,485.8	24,491.1	24,278.9	23,730.8	23,570.2
Zamboanga Sibugay	3,101.4	3,329.5	3,455.1	3,700.1	3,795.4	3,625.7	3,968.0	4,158.9	4,633.6	5,566.1
City of Zamboanga	5,722.0	5,788.2	5,869.3	6,474.8	6,623.3	6,543.8	6,041.0	6,112.3	6,312.4	6,406.2
NORTHERN MINDANAO	164,923.1	166,312.7	169,093.9	167,312.6	168,898.2	168,267.2	168,389.6	169,739.0	171,539.3	172,745.6
Bukidnon	31,975.0	33,250.0	33,195.0	33,300.0	33,670.0	34,625.0	34,564.0	35,150.0	35,555.0	35,804.0
Camiguin	58.6	65.0	64.4	59.6	60.9	63.9	60.0	65.0	66.4	65.6
Lanao del Norte	96,335.9	88,776.4	84,715.8	83,820.0	84,050.8	84,236.3	84,870.6	84,104.0	84,395.0	84,865.0
Misamis Occidental	12,303.5	12,993.2	13,078.7	13,188.0	13,331.5	13,320.0	12,829.0	13,386.0	13,552.0	13,667.0
Misamis Oriental	24,250.1	31,228.1	38,040.0	36,945.0	37,785.0	36,022.1	36,066.0	37,034.0	37,971.0	38,344.0
DAVAO REGION	207,496.4	219,873.6	224,093.4	203,899.4	218,790.7	225,195.6	222,775.5	225,541.9	227,036.6	216,586.1
Davao del Norte	11,526.1	11,976.9	12,311.2	12,212.5	13,505.3	13,994.7	13,207.2	13,061.7	12,833.3	12,927.2
Davao del Sur	90,235.0	90,963.8	91,716.1	92,497.5	94,302.8	97,978.1	96,242.6	98,356.0	99,107.3	76,929.0
City of Davao	17,130.4	19,957.8	20,397.4	20,447.0	21,066.3	21,729.0	22,160.6	23,345.4	24,202.1	24,618.2
Davao Oriental	58,702.0	66,541.1	70,359.5	66,680.2	69,796.7	69,953.2	69,490.1	69,107.2	68,911.0	68,923.5
Davao de Oro (Compostela Valley)	29,902.9	30,434.0	29,309.2	12,062.2	20,119.5	21,540.5	21,675.0	21,671.7	21,982.8	21,729.7
Davao Occidental	..	..	..	..	..	..	..	..	..	11,458.6
SOCCSKSARGEN	219,189.4	223,141.3	225,610.5	229,323.5	230,828.4	223,527.0	173,975.1	180,754.9	184,150.2	177,406.6
North Cotabato	125,932.0	129,291.3	131,347.0	134,468.8	139,849.1	134,699.8	93,539.7	98,765.7	100,772.4	96,385.7
Sarangani	12,318.0	14,527.0	16,752.0	18,225.0	19,215.0	18,754.0	17,448.0	17,780.0	18,815.0	18,540.0
South Cotabato	74,998.2	73,797.2	69,240.7	66,741.8	64,560.6	63,090.9	56,498.6	59,021.8	60,022.4	58,687.8
Sultan Kudarat	5,941.2	5,525.8	8,270.8	9,887.9	7,203.7	6,982.3	6,488.8	5,187.4	4,540.4	3,793.1
CARAGA	26,844.3	21,992.2	20,227.6	18,283.0	20,097.6	19,493.0	21,834.7	21,900.4	21,834.2	21,253.5
Agusan del Norte	5,041.4	4,184.0	4,277.6	3,672.1	3,180.5	3,053.7	2,746.8	2,513.2	2,465.6	2,535.0
Agusan del Sur	12,893.1	10,408.3	8,853.0	7,444.1	9,674.5	9,822.4	12,105.8	11,852.1	11,788.1	10,599.5
Dinagat Islands	..	..	..	4.5	5.0	4.2	4.1	4.4	7.8	11.7
Surigao del Norte	80.7	70.1	47.0	31.3	27.6	23.5	19.5	19.8	23.3	19.8
Surigao del Sur	8,829.2	7,329.7	7,050.0	7,131.0	7,210.0	6,589.1	6,958.5	7,511.0	7,549.4	8,087.5
ARMM	90,014.9	95,263.9	98,913.2	102,442.7	109,405.4	123,104.9	123,771.3	130,085.9	136,046.1	138,503.8
Basilan	1,643.9	1,649.8	1,606.0	1,555.0	1,576.0	1,530.0	1,415.0	1,433.8	1,549.6	1,497.9
Lanao del Sur	41,045.0	40,500.0	40,002.1	39,206.4	40,762.7	41,338.4	41,683.6	41,650.0	42,615.0	42,555.5
Maguindanao	45,464.5	51,352.5	55,718.2	60,260.3	65,677.0	78,900.8	79,395.9	85,724.0	90,555.0	93,070.0
Sulu	1,210.0	1,120.0	965.0	860.0	842.0	812.0	736.0	718.6	730.0	727.0
Tawi-tawi	651.5	641.7	621.9	561.0	547.8	523.7	540.8	559.4	596.5	653.3

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Banana Saba										
PHILIPPINES	**2,632,692.1**	**2,616,841.6**	**2,645,893.3**	**2,557,108.9**	**2,567,495.0**	**2,627,129.1**	**2,474,199.1**	**2,520,010.3**	**2,593,101.4**	**2,512,805.6**
CAR	9,020.8	8,768.6	8,909.9	9,552.8	8,913.8	9,214.7	8,844.3	7,558.0	7,570.9	6,993.3
Abra	4,835.4	4,694.8	4,744.6	4,615.7	4,031.3	4,313.9	3,850.0	3,787.6	3,607.7	3,508.4
Apayao	1,583.0	1,590.0	1,596.0	2,356.7	2,193.6	2,132.3	2,308.5	1,388.7	1,295.0	1,319.9
Benguet	565.7	549.5	529.1	541.2	555.9	526.9	505.9	464.9	417.6	439.8
Ifugao	1,032.8	1,011.6	1,022.3	857.1	861.1	882.0	880.4	892.5	850.4	573.3
Kalinga	210.5	215.9	250.0	310.0	275.4	297.5	262.0	165.9	401.2	212.3
Mountain Province	793.4	706.7	767.9	872.2	996.5	1,062.2	1,037.6	858.4	999.1	939.7
ILOCOS REGION	20,365.0	20,009.1	21,055.4	21,451.9	21,844.7	21,523.4	20,628.7	21,189.3	21,274.9	21,047.0
Ilocos Norte	4,319.1	4,445.2	4,662.2	4,821.8	4,958.5	5,000.1	5,070.7	5,164.8	5,285.3	5,068.2
Ilocos Sur	5,102.4	5,387.0	5,696.6	5,934.1	5,837.2	5,655.4	5,436.4	5,256.5	5,173.6	4,960.0
La Union	2,816.5	2,849.1	2,969.3	3,066.1	3,170.5	3,249.7	3,118.3	3,491.8	3,714.0	3,606.7
Pangasinan	8,127.0	7,327.8	7,727.3	7,630.0	7,878.5	7,618.2	7,003.3	7,276.3	7,102.0	7,412.1
CAGAYAN VALLEY	267,578.3	191,181.0	215,049.5	255,500.0	274,217.8	283,909.0	258,652.8	229,635.6	257,273.2	210,888.5
Batanes	..	..	131.1	122.8	74.1	57.5	33.9	3.2	4.2	3.9
Cagayan	29,937.5	25,862.6	31,985.6	41,721.5	38,294.7	43,984.9	47,570.7	23,595.4	39,423.4	33,278.1
Isabela	147,230.6	96,957.3	151,087.3	160,270.6	168,654.6	168,627.3	156,371.0	142,775.4	154,568.0	126,986.1
Nueva Vizcaya	14,900.3	14,218.8	13,245.5	12,785.1	12,651.8	12,290.4	12,763.2	12,602.4	12,632.0	13,062.2
Quirino	75,510.0	54,142.3	18,600.0	40,600.0	54,542.6	58,949.0	41,914.0	50,659.3	50,645.7	37,558.2
CENTRAL LUZON	27,927.8	27,395.3	27,463.6	29,128.3	29,068.3	28,292.5	22,700.0	22,285.6	23,076.0	25,883.1
Aurora	8,895.0	8,442.0	8,524.3	10,501.0	10,714.0	10,128.0	4,569.1	2,973.8	3,295.2	3,609.4
Bataan	718.7	667.0	620.0	595.0	603.0	613.0	595.0	613.2	501.6	489.3
Bulacan	6,164.0	6,213.0	6,311.0	6,277.0	6,528.0	6,874.0	6,737.0	6,960.0	6,995.0	7,727.0
Nueva Ecija	3,039.0	3,019.0	3,046.3	3,026.0	3,017.5	2,968.4	2,980.1	3,186.8	3,192.4	3,442.4
Pampanga	638.0	615.0	606.0	597.0	586.0	595.0	669.7	697.5	719.9	790.5
Tarlac	2,327.7	2,354.5	2,343.9	2,364.8	2,063.6	1,798.6	1,771.1	2,332.2	2,676.6	2,801.8
Zambales	6,145.3	6,084.8	6,012.0	5,767.5	5,556.1	5,315.5	5,377.9	5,522.1	5,695.3	7,022.7
CALABARZON	68,130.6	74,187.3	76,080.7	77,558.7	68,599.8	62,624.1	74,011.6	76,010.3	76,044.3	71,912.1
Batangas	21,512.0	21,650.0	21,950.0	21,889.0	20,856.6	21,983.1	27,116.8	27,815.9	28,988.6	27,323.2
Cavite	16,318.5	16,663.3	16,650.0	16,797.6	15,068.3	12,474.8	16,007.6	17,268.5	15,426.8	13,809.8
Laguna	9,492.5	10,716.5	11,080.6	11,464.5	9,108.2	6,313.2	7,159.3	7,558.2	7,455.7	7,463.4
Quezon	18,585.4	22,882.5	24,114.0	25,005.6	21,243.7	19,465.9	21,274.7	20,750.7	21,522.1	20,670.5
Rizal	2,222.3	2,275.0	2,286.0	2,402.0	2,323.0	2,387.0	2,453.1	2,617.0	2,651.2	2,645.3
MIMAROPA	130,685.9	141,301.9	125,672.7	98,915.4	96,980.3	105,942.5	61,631.2	58,366.3	65,134.5	67,319.1
Marinduque	374.2	382.8	380.3	371.7	337.7	321.2	297.7	289.7	310.6	315.3
Occidental Mindoro	1,373.0	1,440.2	1,512.0	1,559.9	1,513.4	1,589.2	1,580.2	1,740.9	1,836.1	1,802.8
Oriental Mindoro	110,160.9	119,370.2	102,238.0	73,988.5	70,932.6	78,559.9	34,848.3	29,864.5	36,057.0	38,596.5
Palawan	13,297.6	14,561.1	15,863.5	17,382.0	19,124.9	20,518.5	20,387.6	21,776.3	22,092.1	22,141.8
Romblon	5,480.2	5,547.6	5,678.9	5,613.4	5,071.7	4,953.7	4,517.4	4,695.0	4,838.7	4,462.7
BICOL REGION	40,744.9	41,415.1	42,704.5	43,196.4	38,656.6	39,657.8	40,103.4	38,488.0	41,456.6	41,656.2
Albay	4,521.0	4,465.3	4,866.0	5,354.8	3,917.3	3,738.8	3,871.5	3,558.0	3,915.0	3,942.0
Camarines Norte	5,558.0	5,583.0	5,707.0	5,778.1	5,419.5	5,565.2	5,843.9	6,891.5	7,897.8	8,930.7
Camarines Sur	19,020.8	19,010.9	19,095.1	19,313.2	18,361.3	18,561.3	19,291.2	16,638.2	17,923.3	17,139.0
Catanduanes	693.9	681.1	680.0	697.9	677.7	709.6	733.4	590.3	631.3	655.7
Masbate	1,530.8	1,529.2	1,636.9	1,613.9	1,618.9	1,632.2	1,618.4	1,737.7	1,801.8	1,984.9
Sorsogon	9,420.5	10,145.6	10,719.5	10,438.5	8,661.9	9,450.7	8,745.1	9,072.3	9,287.4	9,003.9
WESTERN VISAYAS	203,496.6	212,543.2	218,719.1	203,869.7	159,632.4	170,588.8	170,407.3	174,236.0	180,421.0	182,054.4
Aklan	37,095.9	37,745.6	37,532.0	37,520.4	22,464.2	23,070.3	23,379.2	23,516.7	24,180.0	25,728.3
Antique	14,149.4	16,326.0	16,727.5	13,203.2	12,617.2	13,795.0	13,712.3	14,739.4	15,879.0	15,584.5
Capiz	24,581.6	24,745.4	24,947.0	23,130.7	2,888.5	6,476.5	6,780.1	6,968.2	7,025.0	8,213.4
Guimaras	4,344.0	4,773.4	5,147.9	5,155.9	5,197.0	4,817.0	4,819.8	5,411.9	5,776.9	6,135.6
Iloilo	79,410.0	83,879.0	88,385.0	80,393.0	72,335.0	78,300.0	78,199.0	80,065.0	83,072.0	81,795.0
Negros Occidental	43,915.7	45,073.8	45,979.6	44,466.6	44,130.4	44,130.1	43,516.9	43,534.8	44,488.2	44,597.6
CENTRAL VISAYAS	122,977.2	133,066.8	135,699.6	123,176.1	123,472.3	126,360.6	125,437.0	133,602.3	135,496.6	127,488.8
Bohol	28,610.6	30,055.7	31,368.3	29,369.1	20,669.4	19,695.2	18,000.3	20,503.7	22,265.9	22,189.8
Cebu	34,439.6	39,658.9	40,893.2	39,264.7	42,453.8	49,204.5	53,785.6	56,037.0	57,617.2	54,679.9
Negros Oriental	45,492.2	48,536.7	48,978.7	45,942.8	48,101.7	45,445.4	42,777.4	45,463.4	43,970.6	39,819.6
Siquijor	14,434.8	14,815.6	14,459.3	8,599.6	12,247.5	12,015.5	10,873.7	11,598.2	11,643.0	10,799.5
EASTERN VISAYAS	182,217.0	181,739.0	183,556.6	169,426.8	145,577.3	153,544.7	154,061.3	158,738.7	160,408.1	166,075.3
Biliran	10,713.7	10,716.3	10,719.6	9,262.4	7,301.0	7,295.0	7,352.0	7,327.0	6,285.0	6,067.0
Eastern Samar	2,461.6	2,382.9	2,502.0	2,393.3	1,880.4	1,251.9	1,317.6	1,345.2	1,266.7	1,290.9
Leyte	28,890.2	28,443.6	28,269.7	25,090.2	12,916.0	14,511.6	16,386.9	17,796.0	18,026.8	18,417.9
Northern Samar	7,136.5	7,364.2	7,696.3	8,446.8	8,789.7	8,705.0	7,521.8	7,380.4	7,356.9	7,317.9
Samar (Western Samar)	95,125.0	95,010.0	95,094.0	85,070.0	77,644.0	85,085.0	84,650.0	88,410.0	90,630.0	96,146.7
Southern Leyte	37,890.0	37,822.0	39,275.0	39,164.2	37,046.3	36,696.1	36,833.0	36,480.1	36,842.7	36,834.9
ZAMBOANGA PENINSULA	143,631.1	131,130.8	131,883.6	138,878.3	147,029.3	153,172.1	138,394.0	138,833.5	135,421.9	129,226.2
Zamboanga del Norte	68,052.4	55,283.7	50,905.7	48,824.7	49,722.8	57,717.5	49,904.9	47,744.4	44,007.8	40,083.5
Zamboanga del Sur	25,877.3	25,613.8	29,699.4	37,164.9	40,927.7	40,831.8	39,291.1	40,013.1	40,289.5	38,304.1
Zamboanga Sibugay	12,244.1	12,390.2	12,708.3	12,906.8	14,039.5	13,171.4	12,813.3	12,589.7	13,063.1	12,887.1
City of Zamboanga	37,457.2	37,843.1	38,570.1	39,981.9	42,339.3	41,451.3	36,384.7	38,486.3	38,061.5	37,951.5
NORTHERN MINDANAO	269,395.3	291,200.0	294,605.2	295,655.7	302,444.9	304,692.0	302,527.7	304,009.3	307,526.8	310,009.0
Bukidnon	20,970.0	20,915.0	20,875.0	20,770.0	21,085.0	21,344.0	21,369.0	22,130.3	22,914.0	23,292.0
Camiguin	4,779.0	4,850.1	4,576.6	4,252.5	4,232.5	4,115.1	3,871.5	3,702.0	3,454.4	3,245.6
Lanao del Norte	156,938.1	160,903.3	154,569.3	153,414.2	154,957.9	155,312.6	155,750.6	155,222.0	155,430.0	155,479.0
Misamis Occidental	35,864.8	41,115.8	43,160.3	46,727.9	51,663.5	54,624.8	51,950.6	51,419.0	52,101.4	51,686.4
Misamis Oriental	50,843.4	63,415.8	71,424.0	70,491.0	70,506.0	69,295.5	69,586.0	71,536.0	73,627.0	76,306.0
DAVAO REGION	579,464.6	582,529.1	571,431.0	487,433.1	522,808.4	533,811.9	531,435.2	538,687.8	545,745.1	521,423.5
Davao del Norte	45,377.3	47,041.4	47,724.5	47,720.5	48,913.1	49,629.7	49,205.4	48,847.3	49,453.1	49,325.3
Davao del Sur	272,411.5	273,087.6	270,946.2	271,165.4	275,939.5	280,345.7	282,555.9	289,596.3	295,763.0	144,871.3
City of Davao	22,411.0	22,064.6	21,693.7	21,520.1	21,822.7	22,251.2	21,909.2	22,177.4	22,914.4	23,083.0
Davao Oriental	73,182.0	76,104.8	78,162.7	72,826.0	78,706.0	78,768.2	77,915.8	78,097.1	78,114.7	78,567.2
Davao de Oro (Compostela Valley)	166,082.8	164,230.8	152,904.0	74,201.2	97,427.2	102,817.2	99,848.9	99,969.7	99,499.9	99,683.3
Davao Occidental	..	..	..	..	..	..	..	..	..	125,893.4
SOCCSKSARGEN	321,523.0	334,400.7	348,476.8	356,727.4	369,172.2	370,850.8	295,896.7	331,389.1	336,172.6	330,785.4
North Cotabato	246,169.7	255,838.0	265,981.8	272,733.0	274,921.5	277,803.6	205,480.8	231,908.4	236,928.4	234,492.1
Sarangani	28,524.2	31,587.0	35,884.0	37,780.0	39,014.0	38,580.0	38,080.0	39,525.0	39,800.0	36,360.0
South Cotabato	27,176.0	28,149.4	28,951.2	29,465.9	29,679.7	29,522.2	27,767.2	29,102.1	29,832.5	29,433.9
Sultan Kudarat	19,653.1	18,826.3	17,659.8	16,748.5	25,557.1	24,945.0	24,568.7	30,853.7	29,611.7	30,499.4
CARAGA	114,201.2	111,910.8	108,041.4	101,025.4	99,908.7	97,955.8	105,149.2	110,632.1	117,641.4	116,318.7
Agusan del Norte	54,645.2	50,365.0	43,486.1	39,176.0	36,787.1	35,678.3	36,948.6	37,290.2	36,591.6	37,182.1
Agusan del Sur	23,784.8	29,030.1	35,321.1	31,249.1	32,852.8	32,887.8	35,913.1	38,930.4	41,215.7	38,975.1
Dinagat Islands	..	..	..	312.2	214.5	191.2	185.4	180.4	213.7	240.8
Surigao del Norte	7,483.3	6,842.6	5,204.2	6,229.2	5,549.2	5,470.0	4,866.1	5,043.0	4,865.4	4,742.9
Surigao del Sur	28,287.8	25,673.2	24,030.0	24,059.0	24,505.0	23,728.5	27,236.1	29,188.1	34,754.9	35,177.8
ARMM	131,333.1	134,062.8	136,544.0	145,612.7	159,168.4	164,988.6	164,318.9	176,348.4	182,437.6	183,725.1
Basilan	14,532.0	14,814.0	14,122.6	13,516.8	13,885.5	13,424.0	12,315.0	12,317.3	12,501.3	12,018.2
Lanao del Sur	27,410.0	27,140.0	27,149.5	27,982.5	28,228.7	28,256.5	28,411.7	28,430.6	28,536.0	28,580.0
Maguindanao	74,491.3	77,975.6	81,292.1	90,878.5	103,909.0	110,265.7	111,337.8	123,325.9	128,725.0	130,530.0
Sulu	10,830.8	10,030.0	10,028.0	9,414.3	9,388.0	9,379.0	8,610.0	8,650.3	8,920.0	8,897.0
Tawi-tawi	4,069.0	4,103.1	3,951.8	3,820.7	3,757.3	3,663.4	3,644.4	3,624.4	3,755.3	3,699.9

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Calamansi										
PHILIPPINES	**188,340.5**	**182,550.1**	**178,548.7**	**164,091.1**	**160,740.4**	**162,675.6**	**118,247.7**	**116,664.7**	**113,551.9**	**125,968.6**
CAR	420.8	418.7	420.2	417.8	444.6	445.4	435.5	440.7	437.5	444.8
Abra	86.8	85.8	87.0	87.6	105.8	112.0	116.8	120.7	116.7	119.0
Apayao	56.0	55.5	56.4	52.9	55.8	60.1	57.1	51.1	52.7	58.3
Benguet	206.3	205.2	202.6	204.9	210.4	199.7	192.1	194.5	191.3	201.7
Ifugao	45.2	44.5	45.4	45.0	44.7	45.3	45.7	46.6	43.8	35.7
Kalinga	8.8	9.2	10.1	11.5	14.5	15.4	14.5	12.1	16.3	14.9
Mountain Province	17.8	18.6	18.8	15.9	13.3	12.8	9.3	15.7	16.7	15.4
ILOCOS REGION	3,312.0	3,339.5	3,370.5	3,437.0	3,408.7	3,432.1	3,417.1	3,457.4	3,352.4	3,364.6
Ilocos Norte	233.6	237.4	245.3	251.6	255.4	259.5	263.2	267.2	269.4	277.2
Ilocos Sur	707.4	681.6	722.9	751.2	749.1	790.6	780.5	779.6	759.6	764.5
La Union	756.8	757.9	758.7	756.9	738.9	744.4	758.5	767.0	726.8	752.5
Pangasinan	1,614.3	1,662.6	1,643.6	1,677.3	1,665.2	1,637.6	1,615.0	1,643.5	1,596.6	1,570.5
CAGAYAN VALLEY	7,253.0	6,991.8	6,937.3	7,087.0	6,628.4	7,002.0	6,682.1	6,407.0	5,170.6	4,855.5
Batanes	..	..	41.3	31.6	20.7	15.8	13.3	4.3	6.4	5.0
Cagayan	3,425.1	3,596.7	3,348.9	3,389.2	3,426.6	3,705.6	3,432.5	3,282.5	2,221.7	2,064.4
Isabela	3,085.1	2,755.0	2,777.8	2,911.3	2,413.7	2,556.6	2,540.7	2,440.0	2,309.8	2,143.1
Nueva Vizcaya	576.5	482.0	572.8	555.2	557.9	528.7	498.0	480.8	452.5	462.3
Quirino	166.3	158.2	196.5	199.8	209.5	195.4	197.7	199.4	180.2	180.7
CENTRAL LUZON	10,301.4	10,225.3	10,366.4	10,396.4	10,717.1	10,765.2	10,179.0	10,294.5	9,979.9	10,273.0
Aurora	1,621.0	1,637.3	1,625.8	1,584.0	1,674.0	1,471.8	930.2	959.9	892.7	1,027.3
Bataan	62.9	58.9	55.8	57.0	58.0	57.9	56.1	58.5	52.4	63.2
Bulacan	880.0	891.0	924.0	938.0	975.0	1,047.0	1,135.0	1,149.0	1,162.5	1,104.3
Nueva Ecija	6,409.8	6,317.4	6,365.2	6,379.6	6,510.6	6,593.9	6,504.2	6,443.9	6,090.6	6,211.6
Pampanga	648.5	633.0	683.0	718.0	718.0	713.5	735.9	779.6	855.7	891.5
Tarlac	234.1	234.7	239.4	238.8	223.3	223.1	228.7	288.3	294.8	375.4
Zambales	445.1	453.0	473.2	481.0	558.3	658.0	588.9	615.4	631.3	599.6
CALABARZON	15,327.8	15,112.4	14,382.1	13,855.3	12,426.4	13,053.8	13,045.6	13,061.1	13,412.9	13,031.6
Batangas	4,890.0	4,835.0	4,565.0	3,380.0	2,943.0	3,430.5	3,830.5	3,933.0	4,217.9	3,812.8
Cavite	270.4	275.4	274.0	270.9	260.4	297.6	323.3	323.3	321.3	311.2
Laguna	412.0	385.2	401.0	409.3	359.6	373.1	409.4	400.3	385.8	391.8
Quezon	9,074.0	8,921.8	8,440.0	9,061.1	8,144.4	8,165.7	7,744.0	7,646.2	7,781.1	7,774.9
Rizal	681.4	695.0	702.0	734.0	719.0	787.0	738.4	758.3	706.8	740.9
MIMAROPA	109,611.6	105,408.6	102,628.1	88,747.5	83,749.7	84,211.9	42,315.2	39,744.9	39,153.8	52,813.7
Marinduque	51.8	52.2	51.9	51.9	50.5	55.0	45.5	45.1	46.8	45.9
Occidental Mindoro	155.6	181.0	184.1	184.2	190.4	200.3	204.1	214.0	214.8	213.3
Oriental Mindoro	108,658.0	104,416.3	101,600.7	87,703.8	82,663.8	83,087.0	41,184.7	38,576.3	37,957.9	51,635.9
Palawan	612.1	632.9	679.9	699.5	742.0	764.0	770.0	794.9	816.9	813.9
Romblon	134.2	126.3	111.5	108.1	103.0	105.5	110.9	114.6	117.4	104.6
BICOL REGION	2,287.4	2,237.6	2,176.3	2,111.9	1,845.2	1,825.5	1,925.0	1,904.9	1,967.0	2,041.1
Albay	145.3	138.5	137.5	123.6	90.2	87.4	81.3	68.8	67.6	67.7
Camarines Norte	415.4	416.5	431.6	445.4	453.9	464.4	619.3	643.8	697.0	807.2
Camarines Sur	452.1	451.6	454.2	454.5	437.2	468.1	475.8	435.4	443.3	432.1
Catanduanes	12.8	12.3	12.3	12.6	12.3	12.5	12.1	9.8	9.1	9.2
Masbate	110.1	109.8	124.3	126.7	135.1	140.1	134.4	131.5	130.4	141.8
Sorsogon	1,151.7	1,108.9	1,016.4	949.1	716.5	653.1	602.2	615.5	619.6	583.2
WESTERN VISAYAS	6,162.4	5,567.6	5,340.2	5,289.9	5,036.7	4,659.5	4,345.0	4,326.0	4,392.6	4,133.5
Aklan	554.8	561.2	568.3	549.4	414.2	426.9	414.4	414.0	411.9	411.4
Antique	41.4	43.3	41.9	40.4	39.3	40.6	40.7	44.0	48.0	54.7
Capiz	82.1	89.0	100.4	98.0	84.0	92.6	96.3	100.1	106.3	117.5
Guimaras	3,505.0	2,962.2	2,746.4	2,715.3	2,711.2	2,342.5	2,142.6	2,157.5	2,137.4	1,952.6
Iloilo	1,925.0	1,860.0	1,830.0	1,834.5	1,738.0	1,707.0	1,608.0	1,568.0	1,641.0	1,553.0
Negros Occidental	54.1	51.9	53.1	52.3	49.9	49.9	43.1	42.3	48.0	44.3
CENTRAL VISAYAS	1,158.7	1,106.3	1,116.6	1,092.6	1,130.5	1,174.7	1,185.4	1,163.6	1,151.1	1,097.1
Bohol	103.8	105.3	108.2	100.4	131.6	129.2	116.0	132.2	139.7	139.4
Cebu	714.8	658.2	664.7	645.7	640.4	693.3	755.2	730.1	731.3	696.3
Negros Oriental	286.6	289.5	292.2	298.9	307.5	301.4	269.3	252.5	230.7	217.6
Siquijor	53.5	53.3	51.5	47.6	51.1	50.7	44.8	48.9	49.4	43.7
EASTERN VISAYAS	2,467.2	2,479.0	2,510.0	2,224.2	1,282.5	1,503.0	1,683.5	1,745.2	1,750.9	1,830.4
Biliran	38.3	38.4	38.5	36.6	33.1	33.3	33.6	39.5	42.0	40.3
Eastern Samar	85.1	87.0	90.3	73.0	43.7	38.2	39.7	36.4	32.9	26.9
Leyte	2,180.3	2,189.9	2,212.0	1,937.3	1,031.0	1,247.3	1,424.9	1,482.4	1,487.9	1,571.3
Northern Samar	37.8	38.9	41.7	52.0	53.8	55.4	56.0	58.4	60.2	63.0
Samar (Western Samar)	43.7	43.3	43.3	40.3	37.6	41.0	40.8	42.4	42.7	42.9
Southern Leyte	82.1	81.5	84.3	85.0	83.4	87.9	88.4	86.1	85.2	86.1
ZAMBOANGA PENINSULA	5,748.0	6,168.1	6,340.7	6,988.7	10,234.6	9,994.7	10,022.3	10,862.6	9,840.7	9,347.8
Zamboanga del Norte	483.4	491.2	397.3	445.5	475.8	584.4	406.6	396.3	397.2	400.4
Zamboanga del Sur	456.8	457.9	592.5	665.7	644.7	643.2	719.1	714.1	671.6	690.8
Zamboanga Sibugay	4,177.8	4,624.0	4,832.1	5,363.4	8,618.6	8,265.2	8,401.8	9,255.1	8,253.3	7,758.5
City of Zamboanga	629.9	595.2	518.8	514.1	495.5	502.0	494.8	497.1	518.7	498.2
NORTHERN MINDANAO	1,294.6	1,285.9	1,313.8	1,341.3	2,041.1	2,126.7	2,211.2	2,276.9	2,306.3	2,349.7
Bukidnon	560.0	515.0	493.0	501.0	515.0	528.0	553.0	577.0	598.0	619.0
Camiguin	15.4	16.5	20.1	21.6	22.4	22.6	23.4	23.9	23.7	24.5
Lanao del Norte	473.9	504.0	538.1	554.9	1,220.0	1,289.2	1,349.5	1,385.0	1,400.0	1,431.0
Misamis Occidental	177.3	186.5	192.1	195.7	201.7	207.5	207.0	209.5	201.9	189.6
Misamis Oriental	68.0	63.9	70.6	68.2	82.0	79.4	78.3	81.5	82.8	85.7
DAVAO REGION	10,062.1	9,289.9	8,838.2	8,135.7	8,285.8	8,391.4	8,444.1	8,313.2	8,240.3	8,159.2
Davao del Norte	5,237.3	5,080.0	5,025.7	5,089.5	5,257.2	5,325.4	5,457.3	5,287.3	5,140.5	5,009.9
Davao del Sur	523.4	537.7	545.5	498.3	530.5	533.9	540.0	543.3	548.4	548.5
City of Davao	530.6	358.1	295.6	276.3	242.8	241.5	212.5	210.4	214.6	218.9
Davao Oriental	167.8	162.0	156.9	148.5	150.6	146.2	145.7	149.7	153.3	151.3
Davao de Oro (Compostela Valley)	3,603.2	3,152.1	2,814.5	2,123.1	2,104.7	2,144.4	2,088.6	2,122.4	2,183.5	2,201.8
Davao Occidental	..	..	..	..	..	..	..	..	..	28.9
SOCCSKSARGEN	6,777.4	6,884.7	7,119.6	7,365.0	7,579.2	7,370.3	5,009.5	5,452.0	5,332.7	5,007.2
North Cotabato	5,405.0	5,405.7	5,523.3	5,678.7	5,803.1	5,549.5	3,337.4	3,583.2	3,401.7	3,001.2
Sarangani	522.5	539.9	596.7	561.0	568.3	573.9	571.0	584.7	566.0	537.0
South Cotabato	261.5	315.9	328.9	391.0	448.4	473.1	417.5	450.4	480.7	499.6
Sultan Kudarat	588.5	623.2	670.7	734.3	759.4	773.8	683.7	833.8	884.3	969.5
CARAGA	4,943.5	4,807.8	4,310.0	4,194.1	4,421.0	4,978.5	5,615.1	5,195.7	4,996.6	5,083.0
Agusan del Norte	475.7	370.8	238.0	131.6	138.6	131.2	123.4	111.0	131.0	139.0
Agusan del Sur	4,230.2	4,242.5	3,901.3	3,857.7	4,096.1	4,667.8	5,318.1	4,903.8	4,690.9	4,773.1
Dinagat Islands	..	..	..	13.8	4.2	3.9	3.5	3.3	2.4	3.3
Surigao del Norte	80.0	58.7	40.2	55.1	50.7	46.5	40.9	50.2	42.6	38.0
Surigao del Sur	157.6	135.7	130.5	135.9	131.4	129.0	129.2	127.5	129.6	129.6
ARMM	1,212.7	1,227.0	1,378.7	1,406.6	1,508.9	1,741.0	1,732.1	2,019.2	2,066.7	2,136.5
Basilan	86.4	83.8	85.7	81.4	79.3	77.3	60.9	62.7	63.8	66.6
Lanao del Sur	114.7	113.6	112.3	101.2	98.2	85.6	85.2	86.9	86.3	88.8
Maguindanao	607.3	650.2	799.1	845.2	952.0	1,192.2	1,225.0	1,502.7	1,541.0	1,604.3
Sulu	373.0	352.0	350.0	349.5	349.8	353.0	333.0	336.4	343.0	343.8
Tawi-tawi	31.5	27.5	31.7	29.4	29.7	32.9	28.1	30.6	32.6	33.0

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Durian										
PHILIPPINES	**77,548.5**	**58,969.0**	**85,960.9**	**91,211.7**	**80,334.1**	**87,382.0**	**71,444.2**	**66,457.6**	**75,521.5**	**79,284.1**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	1.5	1.5	1.5	1.4	1.4
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	1.5	1.5	1.5	1.4	1.4
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	2.0	45.7	46.2	42.0	28.3	32.9	36.3	46.0	43.1	42.9
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	2.0	45.7	46.2	42.0	28.3	32.9	36.3	46.0	43.1	42.9
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	1.2	1.4	2.3	3.9	3.4	2.5	1.2	2.1	1.9
Aurora	..	1.2	1.4	2.3	3.9	3.4	2.5	1.2	2.1	1.9
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	78.8	46.9	49.3	52.0	41.4	41.4	44.6	54.4	57.0	61.1
Batangas	2.1	0.9	0.8	0.5	0.3	0.2	..	..	0.2	0.1
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	76.7	46.0	48.5	51.5	41.1	41.2	44.6	54.4	56.9	61.0
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	14.2	14.5	15.7	15.9	15.7	17.2	15.1	13.8	13.3	12.9
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	10.1	9.7	10.5	10.4	9.6	10.5	8.1	6.4	5.5	5.8
Palawan	4.1	4.8	5.3	5.5	6.2	6.7	7.0	7.4	7.9	7.1
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	338.0	49.0	168.6	151.4	159.3	144.0	145.5	156.6	183.2	195.4
Aklan	..	..	..	..	..	..	..	..	0.2	0.2
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	0.1	0.1	0.0
Iloilo	4.3	2.2	2.7	3.1	4.1	3.7	3.6	3.3	3.1	2.9
Negros Occidental	333.7	46.9	165.9	148.3	155.2	140.3	142.0	153.3	179.9	192.3
CENTRAL VISAYAS	17.1	1.0	1.1	6.5	7.0	9.7	17.4	9.9	15.4	14.0
Bohol	..	..	..	..	..	..	8.0	4.0	5.8	6.3
Cebu	0.5	0.4	0.3	..	0.8	2.5	1.8	0.1	0.5	0.5
Negros Oriental	16.7	0.6	0.7	6.5	6.2	7.2	7.6	5.8	9.0	7.3
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	8.5	10.7	10.9	9.7	7.4	8.3	8.3	8.1	7.7	9.6
Biliran	..	..	..	..	..	..	..	..	0.5	2.0
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	8.5	8.3	8.5	7.6	3.0	3.4	3.2	2.9	2.0	2.1
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0.1
Southern Leyte	..	2.4	2.4	2.1	4.3	4.9	5.2	5.2	5.2	5.5
ZAMBOANGA PENINSULA	811.1	630.1	541.5	558.5	931.0	1,506.1	1,344.7	988.6	1,105.0	3,290.3
Zamboanga del Norte	403.3	198.1	96.1	12.5	228.6	382.1	239.4	79.5	91.7	2,177.0
Zamboanga del Sur	214.3	259.6	268.6	335.8	386.1	384.2	332.7	189.4	227.1	219.9
Zamboanga Sibugay	48.3	36.0	32.0	56.2	153.3	577.4	613.4	565.9	628.5	736.0
City of Zamboanga	145.1	136.4	144.8	154.0	163.1	162.5	159.2	153.9	157.6	157.5
NORTHERN MINDANAO	2,150.9	1,981.1	2,057.5	2,164.6	2,156.4	2,294.9	2,311.9	2,088.4	2,055.0	2,135.4
Bukidnon	972.0	834.0	793.0	825.0	690.0	748.0	767.9	748.0	778.7	789.7
Camiguin	22.0	18.3	28.3	28.6	33.8	40.6	37.5	45.4	56.8	56.7
Lanao del Norte	905.0	996.3	1,070.0	1,120.0	1,200.0	1,246.4	1,256.2	1,055.0	970.0	1,024.0
Misamis Occidental	89.2	97.5	105.1	114.0	119.7	126.9	124.0	119.2	122.3	128.0
Misamis Oriental	162.7	35.0	61.2	77.0	113.0	133.0	126.3	120.8	127.2	137.0
DAVAO REGION	55,606.3	50,850.7	67,799.7	70,063.7	62,768.8	67,697.4	53,805.7	51,818.4	59,027.2	60,248.6
Davao del Norte	8,325.7	8,961.7	10,747.3	12,511.4	13,141.1	15,806.3	14,711.7	14,402.6	14,867.7	14,997.2
Davao del Sur	2,028.0	1,312.0	1,266.5	1,275.6	1,406.9	1,621.2	1,616.9	1,511.1	1,540.1	776.9
City of Davao	36,822.3	36,739.3	53,296.1	55,955.8	47,836.8	49,831.1	37,181.0	35,766.1	41,853.9	43,492.0
Davao Oriental	109.1	122.0	130.0	65.3	76.3	75.3	73.6	72.4	73.1	72.6
Davao de Oro (Compostela Valley)	8,321.3	3,715.7	2,359.8	255.6	307.7	363.6	222.4	66.2	692.5	347.3
Davao Occidental	..	..	..	..	..	..	..	..	..	562.6
SOCCSKSARGEN	3,454.9	3,738.0	3,949.9	4,795.6	5,064.2	5,159.0	3,687.5	2,723.0	4,354.2	4,350.8
North Cotabato	3,206.1	3,478.9	3,628.6	4,299.3	4,496.6	4,434.4	3,060.2	2,108.4	3,625.4	3,611.8
Sarangani	62.4	72.7	79.7	92.4	99.1	108.0	106.5	105.4	103.5	100.6
South Cotabato	160.0	171.3	215.6	367.1	425.7	573.4	488.1	488.2	587.8	602.5
Sultan Kudarat	26.4	15.1	26.0	36.8	42.9	43.2	32.7	21.0	37.5	35.9
CARAGA	1,281.6	1,341.4	2,285.5	1,483.1	2,197.6	2,677.9	3,106.3	2,731.3	2,372.3	2,318.4
Agusan del Norte	92.7	93.8	128.4	182.7	328.9	370.1	301.5	275.1	259.1	323.9
Agusan del Sur	880.1	1,004.4	1,907.3	1,042.2	1,606.0	2,068.7	2,539.7	2,137.0	1,737.3	1,617.8
Dinagat Islands	..	..	..	0.3	0.4	0.3	0.6	0.5	1.1	1.5
Surigao del Norte	8.8	4.3	2.7	3.1	3.8	2.7	2.1	2.1	2.5	2.2
Surigao del Sur	300.0	238.9	247.2	254.8	258.5	236.1	262.5	316.6	372.3	373.0
ARMM	13,785.1	258.8	9,033.7	11,866.6	6,953.1	7,788.4	6,916.9	5,816.4	6,284.7	6,601.0
Basilan	12.8	..	0.2	2.2	35.2	36.0	31.1	10.7	14.2	18.8
Lanao del Sur	468.0	45.7	245.5	240.8	234.6	245.4	246.9	54.5	65.2	68.0
Maguindanao	328.3	213.1	278.0	289.7	333.4	407.1	439.0	421.2	500.3	512.3
Sulu	12,976.0	..	8,510.0	11,334.0	6,350.0	7,100.0	6,200.0	5,330.0	5,705.0	6,002.0
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lanzones										
PHILIPPINES	**49,500.3**	**4,255.8**	**14,190.0**	**35,206.9**	**13,899.2**	**20,814.4**	**17,160.4**	**8,030.5**	**12,367.9**	**19,974.3**
CAR	16.6	12.1	15.6	38.5	46.2	50.3	43.0	35.5	30.2	36.3
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	15.6	11.0	14.0	34.8	41.2	41.4	33.6	27.7	21.5	21.3
Benguet	..	..	..	..	..	5.0	5.1	5.6	5.1	6.0
Ifugao	..	..	..	..	..	..	..	..	..	6.0
Kalinga	1.0	1.1	1.6	3.8	5.0	3.9	4.3	2.3	3.6	3.0
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	1.3	1.4	1.5	2.6	5.6	6.3	6.4	6.7	6.7	7.0
Ilocos Norte	..	..	..	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Ilocos Sur	..	..	..	0.5	2.4	2.8	2.8	2.9	2.8	3.0
La Union	1.3	1.4	1.5	2.0	3.1	3.4	3.5	3.7	3.7	3.9
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	84.8	59.6	52.6	47.9	48.6	49.9	46.5	59.4	50.4	52.5
Batanes	..	..	..	0.0	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	4.8	2.2	1.5	1.4	4.1	4.3	4.1	5.4	1.8	1.6
Nueva Vizcaya	80.0	57.4	51.1	46.5	44.6	45.6	42.5	53.4	47.9	49.7
Quirino	..	..	..	..	..	..	..	0.7	0.6	1.3
CENTRAL LUZON	12.0	9.0	11.3	11.2	11.6	9.8	8.6	6.7	6.4	9.0
Aurora	4.7	4.6	5.3	5.7	5.9	3.5	3.9	2.0	1.9	4.7
Bataan	3.3	2.7	2.3	1.9	2.1	2.0	..	..	..	..
Bulacan	3.6	1.5	3.5	3.5	3.6	4.3	4.7	4.7	4.6	4.4
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	0.4	0.3	0.2	0.2	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	1,006.7	638.1	1,599.7	1,675.1	1,244.0	1,292.4	1,223.3	1,136.7	1,787.8	1,682.9
Batangas	8.5	1.5	1.0	1.3	1.0	4.2	3.6	3.2	7.0	37.1
Cavite	7.3	7.2	7.6	7.4	6.5	6.6	5.4	4.1	4.0	3.2
Laguna	797.5	473.0	494.5	519.2	171.2	200.3	202.6	198.7	204.0	205.1
Quezon	193.4	156.5	1,096.6	1,147.2	1,065.3	1,081.3	1,011.7	930.8	1,572.9	1,437.4
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	156.6	149.6	151.5	160.7	154.1	159.7	128.3	70.2	58.9	96.4
Marinduque	14.3	14.0	13.8	13.4	13.0	14.1	10.1	9.9	9.9	10.3
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	136.8	130.3	132.6	141.7	134.8	138.8	110.3	52.0	39.2	75.5
Palawan	5.6	5.3	5.1	5.6	6.3	6.8	8.0	8.4	9.8	10.6
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	8.1	8.0	8.1	8.1	7.7	8.0	20.2	13.0	12.9	17.6
Albay	..	..	..	..	..	..	12.3	5.2	4.8	9.9
Camarines Norte	1.8	1.5	1.5	1.6	1.6	1.6	1.8	1.6	1.7	2.3
Camarines Sur	1.0	1.0	1.0	1.0	0.9	1.0	1.1	1.0	1.0	0.9
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	5.3	5.5	5.6	5.5	5.2	5.4	5.1	5.3	5.4	4.6
WESTERN VISAYAS	546.9	356.3	474.0	471.3	481.9	501.3	481.4	425.6	451.4	490.3
Aklan	53.0	13.4	13.3	14.4	14.9	13.0	12.8	10.9	10.7	10.3
Antique	0.8	0.7	0.7	0.8	0.8	0.8	0.6	0.9	0.8	1.0
Capiz	51.9	43.3	49.0	37.8	24.0	28.7	34.4	31.6	38.5	51.0
Guimaras	0.1	0.1	0.0	0.0	0.1	0.1	0.5	0.4	0.3	0.2
Iloilo	5.0	4.5	4.7	6.2	8.0	6.0	5.9	5.3	5.0	4.6
Negros Occidental	436.1	294.5	406.3	412.1	434.2	452.7	427.2	376.6	396.2	423.3
CENTRAL VISAYAS	162.0	34.9	58.7	78.3	66.4	77.7	60.9	12.4	29.4	33.4
Bohol	3.8	..	8.4	7.9	4.2	6.7	5.1	..	5.2	9.9
Cebu	25.2	9.3	17.5	22.8	22.4	23.2	19.5	8.9	9.1	10.0
Negros Oriental	109.9	24.4	30.3	34.6	37.4	43.1	30.0	3.6	10.7	8.4
Siquijor	23.2	1.2	2.6	13.0	2.4	4.6	6.2	..	4.4	5.1
EASTERN VISAYAS	719.5	151.1	151.7	158.4	136.5	120.5	115.9	103.2	93.3	167.1
Biliran	6.2	3.7	3.7	6.3	5.6	5.6	5.4	1.6	2.2	3.4
Eastern Samar	2.9	2.9	2.9	2.1	1.6	1.4	0.0	..	..	..
Leyte	554.3	45.3	43.2	41.5	17.9	2.0	4.2	3.8	3.3	53.9
Northern Samar	106.6	87.1	89.4	96.7	100.9	99.3	94.4	86.4	76.0	87.0
Samar (Western Samar)	9.7	9.6	9.6	9.6	9.6	10.6	10.7	10.8	11.2	21.9
Southern Leyte	40.0	2.6	2.8	2.2	1.0	1.6	1.2	0.6	0.6	1.0
ZAMBOANGA PENINSULA	11,652.5	35.2	47.5	84.0	1,853.1	5,907.6	4,843.9	302.8	2,013.0	6,785.4
Zamboanga del Norte	11,377.9	25.2	7.9	14.8	1,771.6	5,396.6	4,330.0	0.4	1,668.7	6,301.1
Zamboanga del Sur	98.4	..	6.0	4.6	8.0	7.3	8.5	..	9.8	10.5
Zamboanga Sibugay	164.9	..	21.9	51.7	58.4	487.8	489.7	287.7	318.2	457.9
City of Zamboanga	11.3	10.0	11.7	12.9	15.1	15.9	15.7	14.8	16.3	15.9
NORTHERN MINDANAO	4,779.2	1,071.8	5,397.8	5,519.1	4,577.0	7,369.4	5,600.0	2,631.1	3,803.1	6,510.7
Bukidnon	161.0	54.0	12.0	11.0	8.0	11.5	12.5	11.1	12.7	14.2
Camiguin	2,931.9	374.1	3,052.7	2,971.6	3,361.6	4,618.5	2,923.5	445.3	1,506.4	4,103.4
Lanao del Norte	414.0	391.5	403.2	407.0	410.4	408.5	345.5	260.4	262.2	268.2
Misamis Occidental	582.2	242.3	254.9	259.5	267.0	273.4	273.5	270.8	302.0	325.0
Misamis Oriental	690.0	10.0	1,675.0	1,870.0	530.0	2,057.5	2,045.0	1,643.5	1,719.8	1,800.0
DAVAO REGION	3,951.7	1,282.7	1,086.9	581.1	639.8	529.7	430.6	210.2	577.6	475.0
Davao del Norte	286.4	82.8	31.3	38.3	55.0	94.0	98.8	90.8	97.7	91.5
Davao del Sur	313.6	12.8	11.9	12.0	18.3	21.6	22.3	16.0	16.3	8.4
City of Davao	820.3	2.2	213.8	221.1	230.8	275.1	243.8	53.0	248.2	248.9
Davao Oriental	22.0	18.8	15.1	10.6	10.6	12.6	12.1	11.7	12.0	12.8
Davao de Oro (Compostela Valley)	2,509.4	1,166.1	814.7	299.1	325.1	126.5	53.6	38.8	203.5	107.6
Davao Occidental	..	..	..	..	..	..	..	..	..	5.7
SOCCSKSARGEN	930.9	215.0	353.0	456.9	718.5	758.4	501.9	254.9	552.3	569.0
North Cotabato	677.7	3.8	149.9	174.7	391.8	421.2	205.0	..	265.4	280.3
Sarangani	87.8	95.4	97.5	104.4	102.4	102.6	98.0	94.2	98.0	98.2
South Cotabato	146.7	111.6	93.1	163.6	208.6	217.6	185.9	160.5	173.0	175.6
Sultan Kudarat	18.8	4.2	12.5	14.2	15.7	17.1	13.0	0.3	16.0	15.0
CARAGA	193.9	60.5	56.1	195.2	319.2	587.5	614.2	607.1	589.3	613.9
Agusan del Norte	13.0	1.9	6.1	62.4	64.5	74.8	59.0	..	46.3	83.9
Agusan del Sur	116.2	35.2	47.1	117.2	231.5	488.1	532.8	582.5	520.1	509.4
Dinagat Islands	..	..	..	0.2	..	..	0.2	..	0.2	0.2
Surigao del Norte	46.2	23.4	3.0	3.3	6.2	7.3	6.5	5.1	4.0	3.7
Surigao del Sur	18.5	..	..	12.0	17.0	17.4	15.6	19.5	18.7	16.8
ARMM	25,277.8	170.7	4,724.0	25,718.6	3,589.0	3,386.2	3,035.3	2,155.0	2,305.4	2,427.7
Basilan	327.2	..	0.6	505.4	600.0	625.0	575.0	..	14.4	19.6
Lanao del Sur	343.0	170.7	291.9	289.9	283.6	298.3	299.0	175.7	178.5	205.1
Maguindanao	4.0	..	0.5	1.0	2.1	10.0	8.8	7.3	9.7	10.5
Sulu	24,600.0	..	4,430.0	24,920.0	2,700.0	2,450.0	2,150.0	1,970.0	2,100.0	2,190.0
Tawi-tawi	3.6	..	1.0	2.4	3.3	2.9	2.5	2.0	2.8	2.5

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mandarin										
PHILIPPINES	**18,782.5**	**17,697.1**	**16,755.4**	**15,287.0**	**14,045.2**	**14,063.7**	**13,243.3**	**12,907.7**	**11,880.4**	**11,567.8**
CAR	796.3	796.9	807.8	845.5	890.0	872.2	711.2	653.9	564.3	530.0
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	37.3	33.0	41.0	71.5	100.7	107.7	83.5	86.3	72.3	75.8
Benguet	630.8	616.5	611.9	619.0	629.4	576.5	458.5	418.0	345.0	321.8
Ifugao	30.3	30.9	28.8	28.4	28.9	27.0	27.5	29.5	19.9	13.3
Kalinga	12.2	12.9	15.8	14.0	13.0	11.3	3.8	6.5	2.7	3.7
Mountain Province	85.7	103.6	110.3	112.7	117.9	149.7	138.0	113.6	124.4	115.5
ILOCOS REGION	11.3	11.4	11.8	11.9	12.0	12.3	12.6	12.8	10.2	10.3
Ilocos Norte	9.6	10.0	10.4	10.6	10.8	11.0	11.1	11.3	8.7	8.8
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1.6	1.5	1.4	1.3	1.3	1.3	1.5	1.5	1.5	1.6
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	8,154.8	7,634.3	7,331.5	6,828.8	6,166.1	6,446.3	5,915.0	5,839.0	5,409.5	5,446.5
Batanes	..	..	16.9	7.2	3.7	0.7	0.2	0.1	0.1	0.1
Cagayan	891.0	915.4	871.1	832.9	772.8	799.9	652.8	652.0	356.6	352.3
Isabela	471.0	424.6	425.5	453.9	476.0	492.7	477.7	480.7	437.0	423.6
Nueva Vizcaya	6,176.3	5,815.0	5,582.8	5,084.4	4,449.6	4,710.9	4,412.3	4,298.5	4,218.9	4,247.7
Quirino	616.4	479.3	435.3	450.3	464.0	442.0	372.1	407.6	396.9	422.7
CENTRAL LUZON	1,163.7	1,007.6	903.4	725.2	640.8	584.7	535.9	557.5	341.6	462.7
Aurora	1,122.0	966.2	863.2	686.6	598.7	541.5	472.8	494.4	280.5	408.3
Bataan	1.7	1.4	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1
Bulacan	40.0	40.0	39.0	37.4	41.0	42.0	62.0	62.0	60.0	53.3
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	4,903.8	4,745.9	4,656.2	4,170.1	3,787.2	3,661.6	3,745.8	3,662.9	3,589.6	3,148.1
Batangas	521.0	495.0	490.0	185.0	95.0	115.0	117.8	143.6	128.6	123.8
Cavite	30.0	29.4	18.0	17.6	17.1	17.7	18.8	19.9	19.4	19.7
Laguna	2,450.5	2,498.2	2,510.7	2,512.1	2,508.7	2,520.6	2,617.3	2,508.2	2,504.1	2,192.3
Quezon	1,868.1	1,687.3	1,599.5	1,410.3	1,123.4	964.4	946.2	961.9	910.0	777.6
Rizal	34.2	36.0	38.0	45.0	43.0	44.0	45.8	29.3	27.4	34.6
MIMAROPA	430.4	430.9	417.9	376.5	353.8	354.8	209.2	189.6	177.5	201.1
Marinduque	33.1	33.8	33.4	32.4	33.1	33.9	31.6	31.3	31.3	30.6
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	394.2	394.2	381.6	341.2	317.7	317.8	174.4	155.1	142.7	167.0
Palawan	3.1	3.0	2.9	3.0	3.1	3.1	3.2	3.2	3.5	3.6
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	823.6	830.6	844.0	844.0	819.9	843.4	877.6	821.9	674.5	676.3
Albay	11.8	10.9	10.3	10.9	8.6	9.0	8.5	8.1	7.3	6.5
Camarines Norte	506.0	512.0	523.4	529.7	540.1	555.4	624.5	585.4	428.9	459.6
Camarines Sur	151.9	152.3	153.4	152.7	135.6	142.0	118.6	99.9	108.5	93.4
Catanduanes	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	153.8	155.3	156.9	150.6	135.5	136.9	125.9	128.5	129.7	116.8
WESTERN VISAYAS	58.8	50.1	49.4	53.6	41.3	39.8	43.4	45.2	45.5	42.7
Aklan	32.8	24.7	23.5	16.3	6.8	6.0	6.2	6.6	6.6	6.3
Antique	7.9	7.9	7.7	7.6	7.2	7.0	6.7	7.0	6.8	6.1
Capiz	..	..	..	10.8	10.4	11.1	12.8	13.2	13.7	12.0
Guimaras	3.9	4.0	4.4	4.7	4.9	5.9	7.1	7.5	7.0	7.6
Iloilo	14.3	13.4	13.8	14.2	12.0	9.9	10.6	11.0	11.4	10.7
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	87.1	79.1	61.4	52.4	54.2	50.6	54.9	46.1	41.7	39.8
Bohol	..	..	..	1.0	1.0	0.8	0.8	0.9	0.8	0.8
Cebu	82.7	73.2	54.8	43.5	44.2	41.3	47.5	40.5	36.5	34.8
Negros Oriental	4.4	5.9	6.6	8.0	9.1	8.6	6.6	4.8	4.4	4.2
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	30.5	29.3	29.3	28.5	21.2	19.4	18.5	18.7	19.2	20.4
Biliran	0.8	0.9	0.8	0.6	0.5	0.5	0.5	0.4	0.8	0.9
Eastern Samar	1.0	1.0	1.0	0.9	0.7	0.3	0.2	0.1	0.1	1.2
Leyte	9.5	9.2	9.3	9.0	2.8	1.4	1.7	1.5	1.4	1.4
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	18.0	17.9	17.8	17.8	17.0	17.1	16.1	16.5	16.8	16.8
Southern Leyte	1.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1
ZAMBOANGA PENINSULA	13.7	5.9	6.5	1.4	0.4	7.5	5.7	4.8	9.4	9.9
Zamboanga del Norte	13.7	5.9	6.5	1.4	0.4	7.5	5.7	4.8	9.4	9.9
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	152.7	115.5	75.2	71.0	63.9	56.0	43.6	33.6	21.0	15.6
Bukidnon	99.0	67.0	28.0	27.0	22.0	16.0	13.1	12.0	11.1	10.5
Camiguin	..	..	..	..	..	..	..	..	0.4	0.3
Lanao del Norte	43.9	39.6	37.7	35.0	32.9	31.3	22.4	16.1	4.5	..
Misamis Occidental	6.3	6.9	7.8	8.0	8.4	8.2	7.7	5.1	4.7	4.3
Misamis Oriental	3.5	2.0	1.7	1.1	0.6	0.5	0.5	0.4	0.5	0.5
DAVAO REGION	1,827.0	1,682.4	1,494.5	1,216.1	1,134.4	1,061.5	1,027.0	980.2	935.6	921.7
Davao del Norte	89.3	86.2	82.6	77.9	74.5	73.8	70.7	67.6	65.4	62.5
Davao del Sur	101.3	85.4	76.2	73.8	70.3	66.0	65.5	66.0	64.3	56.3
City of Davao	1,004.7	913.1	818.3	760.2	727.1	680.4	663.3	628.8	600.5	600.2
Davao Oriental	327.2	300.5	256.7	204.5	188.9	182.7	175.9	165.2	155.6	146.8
Davao de Oro (Compostela Valley)	304.4	297.3	260.8	99.8	73.7	58.6	51.4	52.7	49.8	48.9
Davao Occidental	..	..	..	..	..	..	..	..	..	6.9
SOCCSKSARGEN	66.4	56.2	50.0	48.0	46.9	42.4	31.9	31.4	31.1	32.7
North Cotabato	14.8	13.9	14.5	13.7	13.3	11.4	11.1	11.9	11.7	12.5
Sarangani	13.2	13.5	13.9	14.5	14.5	13.7	5.2	5.0	4.6	4.6
South Cotabato	14.7	13.5	12.7	13.3	13.7	12.4	11.3	10.2	10.7	11.4
Sultan Kudarat	23.7	15.3	8.9	6.6	5.4	5.0	4.3	4.4	4.1	4.2
CARAGA	36.6	16.5	11.8	9.7	8.9	7.7	7.3	6.5	6.5	6.8
Agusan del Norte	13.1	6.6	2.1	1.1	0.8	0.1	0.1	0.0	..	..
Agusan del Sur	1.6	1.0	1.0	0.3	0.2	0.3	0.1	..	..	..
Dinagat Islands	..	..	..	0.4	0.2	0.2	0.1	0.2	0.2	0.2
Surigao del Norte	6.8	3.5	2.2	1.8	2.2	1.6	1.5	1.4	1.2	0.9
Surigao del Sur	15.2	5.5	6.6	6.1	5.5	5.6	5.7	4.9	5.1	5.7
ARMM	226.1	204.5	4.6	4.3	4.5	3.6	3.6	3.6	3.5	3.5
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	6.1	4.5	4.6	4.3	4.5	3.6	3.6	3.6	3.5	3.5
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	220.0	200.0	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mango										
PHILIPPINES	**825,676.1**	**788,073.6**	**768,409.6**	**816,378.4**	**885,038.1**	**902,739.4**	**814,055.4**	**737,032.4**	**711,659.9**	**737,938.4**
CAR	3,721.2	3,709.1	3,317.6	3,421.8	3,609.8	3,332.4	3,101.6	2,878.0	2,718.4	2,896.5
Abra	428.5	422.6	427.2	435.8	673.5	723.8	790.5	1,096.8	1,090.0	1,107.5
Apayao	20.6	19.5	18.8	16.3	23.3	25.0	25.9	8.9	9.4	14.0
Benguet	2,382.1	2,377.0	1,985.9	2,012.0	1,911.4	1,591.6	1,276.3	1,251.5	983.7	870.5
Ifugao	643.4	637.6	643.8	648.8	660.8	645.5	653.1	364.7	396.6	540.8
Kalinga	88.4	86.3	79.7	148.8	183.7	204.0	205.6	15.0	95.0	192.3
Mountain Province	158.2	166.2	162.3	160.2	157.2	142.6	150.2	141.1	143.8	171.4
ILOCOS REGION	290,975.0	276,661.1	265,162.9	260,524.2	271,090.5	259,533.4	209,375.4	194,042.3	167,594.1	178,540.4
Ilocos Norte	29,328.9	32,526.2	31,965.8	34,093.0	35,138.3	34,367.2	33,120.0	32,166.8	28,087.4	28,127.6
Ilocos Sur	7,267.9	7,450.4	7,494.1	8,216.9	8,453.5	8,464.1	8,281.2	8,149.2	8,571.2	9,064.7
La Union	9,797.9	9,886.5	10,018.0	12,798.6	15,132.4	16,984.1	11,955.3	11,543.5	12,083.1	16,965.6
Pangasinan	244,580.3	226,798.0	215,685.1	205,415.7	212,366.3	199,718.1	156,018.8	142,182.9	118,852.3	124,382.5
CAGAYAN VALLEY	58,781.2	46,438.5	34,919.9	47,961.6	53,690.7	50,162.6	60,854.7	48,625.0	47,506.6	45,109.7
Batanes	..	..	175.1	179.2	121.0	51.3	16.3	0.9	1.1	1.0
Cagayan	10,080.9	12,102.5	9,700.3	11,462.7	12,817.7	13,754.7	12,949.2	6,244.5	6,835.3	5,644.7
Isabela	31,730.1	18,153.0	12,768.6	18,838.4	23,259.6	27,954.9	25,402.8	20,794.8	20,940.5	18,772.7
Nueva Vizcaya	12,463.0	12,528.5	12,276.0	15,906.5	15,715.4	6,841.2	21,276.6	20,531.7	19,007.5	19,769.6
Quirino	4,507.2	3,654.5	..	1,574.8	1,777.0	1,560.5	1,209.9	1,053.2	722.2	921.7
CENTRAL LUZON	64,400.8	64,052.9	59,828.3	70,500.4	68,966.3	68,812.7	61,997.7	48,957.2	44,166.0	41,899.8
Aurora	11.5	12.1	13.7	15.4	15.6	15.7	12.6	9.2	8.1	14.2
Bataan	5,203.7	4,781.0	4,370.0	3,878.0	4,092.5	3,792.0	3,545.0	3,609.2	2,784.3	2,805.9
Bulacan	10,238.0	7,944.8	6,444.2	8,878.0	8,675.0	8,794.0	8,659.0	9,011.0	8,913.8	9,217.9
Nueva Ecija	14,084.6	14,936.4	14,249.4	14,351.1	13,979.0	14,198.1	14,291.7	10,866.8	9,473.1	9,345.0
Pampanga	4,903.8	4,989.0	4,963.7	5,767.1	5,507.5	6,030.7	5,755.1	5,276.9	5,125.9	5,406.4
Tarlac	16,400.9	16,881.7	16,750.4	19,061.3	15,182.4	12,130.4	11,620.1	6,405.1	4,916.7	3,068.8
Zambales	13,558.3	14,507.8	13,037.0	18,549.6	21,514.2	23,851.9	18,114.3	13,779.0	12,944.2	12,041.5
CALABARZON	44,913.9	58,627.8	55,215.2	54,291.3	59,473.5	59,040.8	50,464.7	41,195.1	40,753.8	46,846.0
Batangas	30,111.9	43,449.5	39,105.2	36,755.0	40,923.0	43,686.4	36,701.1	30,351.9	29,792.5	36,463.6
Cavite	5,100.1	4,960.9	6,203.1	5,585.8	5,678.2	5,002.9	4,569.4	2,709.9	3,186.5	2,898.0
Laguna	514.2	516.4	497.7	506.2	556.9	42.6	163.9	164.7	197.3	208.5
Quezon	8,164.5	8,510.5	8,233.0	10,307.3	11,074.4	8,535.9	7,628.5	6,857.6	6,405.2	5,994.0
Rizal	1,023.2	1,190.5	1,176.1	1,137.0	1,241.1	1,773.0	1,401.8	1,111.0	1,172.4	1,281.9
MIMAROPA	9,551.2	9,582.3	9,805.1	10,161.7	11,838.5	12,864.4	14,939.1	15,399.1	15,724.8	17,180.6
Marinduque	79.9	75.6	69.3	64.8	69.1	67.3	53.6	46.5	47.5	49.0
Occidental Mindoro	1,603.0	1,537.9	1,476.1	1,605.0	1,712.3	1,675.8	1,670.8	1,602.7	1,624.4	1,818.5
Oriental Mindoro	82.0	79.6	76.5	78.2	92.4	111.3	75.1	46.3	45.7	50.8
Palawan	6,915.8	7,020.4	7,249.8	7,501.4	9,019.5	9,958.6	12,106.2	12,712.3	13,012.5	14,064.8
Romblon	870.5	868.8	933.5	912.2	945.2	1,051.4	1,033.3	991.3	994.7	1,197.5
BICOL REGION	1,515.5	1,398.5	1,473.9	1,532.4	1,592.0	1,684.2	1,887.7	1,879.4	2,346.6	2,105.6
Albay	9.9	8.9	9.3	9.0	10.3	10.0	10.6	9.6	10.0	10.0
Camarines Norte	618.0	636.0	656.0	675.8	646.5	679.5	932.9	948.1	1,355.4	1,048.2
Camarines Sur	88.5	80.6	83.4	98.3	116.3	124.4	132.3	112.8	177.2	227.0
Catanduanes	5.8	5.6	5.4	5.4	5.2	5.3	5.1	3.8	4.0	4.0
Masbate	520.5	446.9	491.6	498.1	544.8	567.8	539.4	520.5	509.0	527.0
Sorsogon	272.8	220.5	228.2	245.9	268.9	297.2	267.3	284.6	291.2	289.4
WESTERN VISAYAS	50,446.5	45,343.9	45,868.5	47,948.5	44,507.3	51,972.4	50,062.2	48,852.5	49,057.4	54,014.9
Aklan	830.9	1,000.0	1,006.7	1,058.1	1,066.1	1,158.9	1,251.9	1,250.4	1,252.7	1,284.4
Antique	1,812.3	1,635.6	1,538.5	1,538.6	1,391.5	1,331.4	1,138.7	1,344.1	812.6	740.4
Capiz	242.2	238.4	238.0	246.6	100.3	137.5	133.4	129.1	119.1	211.2
Guimaras	7,971.3	8,701.1	9,194.9	10,138.0	10,025.7	11,839.6	11,075.1	11,238.8	11,487.7	13,425.1
Iloilo	25,852.5	23,125.8	23,537.8	24,643.6	21,443.0	25,873.8	25,153.7	24,053.7	24,531.0	25,619.1
Negros Occidental	13,737.3	10,643.0	10,352.7	10,323.7	10,480.7	11,631.3	11,309.5	10,836.5	10,854.4	12,734.7
CENTRAL VISAYAS	71,021.3	65,001.2	67,655.1	71,583.6	75,053.8	86,283.0	66,538.9	68,218.6	73,544.8	80,149.3
Bohol	12,192.5	9,565.4	9,785.0	9,551.4	9,745.3	11,610.9	9,963.6	9,609.2	9,292.8	9,776.7
Cebu	43,270.6	41,874.2	43,025.8	43,646.7	45,485.9	53,269.9	40,831.4	42,019.0	43,480.8	45,121.5
Negros Oriental	14,854.9	13,030.6	14,282.6	17,881.2	18,996.5	20,512.4	14,950.3	15,917.0	20,182.7	24,669.9
Siquijor	703.3	531.0	561.7	504.3	826.2	889.8	793.6	673.4	588.5	581.2
EASTERN VISAYAS	902.4	884.7	882.7	847.5	517.6	506.3	504.2	485.0	483.9	513.5
Biliran	90.5	90.1	90.2	86.3	75.9	76.5	94.6	86.6	91.6	103.3
Eastern Samar	77.5	76.6	80.2	93.8	76.9	48.6	32.5	29.3	22.7	48.0
Leyte	472.4	459.2	450.2	423.6	128.0	141.1	152.0	144.4	143.8	137.0
Northern Samar	61.7	63.3	64.9	66.5	68.1	63.7	56.1	55.6	55.9	56.7
Samar (Western Samar)	45.1	45.0	44.5	44.0	40.9	41.7	40.1	41.0	41.4	38.1
Southern Leyte	155.3	150.6	152.8	133.5	127.9	134.6	128.9	128.1	128.6	130.5
ZAMBOANGA PENINSULA	74,024.6	78,410.6	80,865.7	92,445.0	109,533.8	116,211.2	114,910.4	86,425.3	78,274.6	77,007.6
Zamboanga del Norte	39,940.2	45,322.1	48,654.5	59,896.9	69,523.8	75,986.4	75,965.6	55,779.0	47,213.9	46,360.8
Zamboanga del Sur	14,050.6	12,819.6	11,325.5	11,551.2	14,948.2	14,938.5	14,461.2	7,539.2	7,600.2	7,866.5
Zamboanga Sibugay	3,183.7	2,901.8	3,355.7	3,321.0	4,932.4	5,167.7	5,278.0	5,410.2	5,304.6	5,848.1
City of Zamboanga	16,850.1	17,367.0	17,529.9	17,675.9	20,129.4	20,118.6	19,205.6	17,696.9	18,156.0	16,932.1
NORTHERN MINDANAO	37,592.7	35,520.6	38,169.2	44,694.6	45,224.3	50,680.5	50,752.8	49,548.3	50,705.1	52,571.2
Bukidnon	4,589.0	3,752.0	3,449.5	3,298.3	3,002.0	3,023.4	3,119.7	3,077.9	3,218.7	3,355.2
Camiguin	220.8	226.6	222.8	280.1	299.1	281.3	263.7	255.3	254.5	237.8
Lanao del Norte	3,834.0	4,032.0	4,599.0	4,873.0	5,253.3	5,648.0	5,833.5	5,756.8	5,848.6	6,086.0
Misamis Occidental	18,421.9	19,068.1	19,196.9	19,086.1	19,658.2	23,947.7	24,081.9	23,543.5	23,833.2	24,056.7
Misamis Oriental	10,527.0	8,442.0	10,701.0	17,157.2	17,011.9	17,780.2	17,454.0	16,914.9	17,550.2	18,835.5
DAVAO REGION	33,907.9	29,730.1	31,802.7	32,171.5	53,668.0	54,335.8	52,764.5	52,336.6	53,354.6	45,197.3
Davao del Norte	2,651.5	2,666.1	2,708.0	2,717.0	2,816.0	3,104.2	3,094.7	3,015.6	3,078.2	3,104.4
Davao del Sur	20,335.7	17,970.3	20,608.0	21,426.6	42,296.0	41,975.0	40,654.4	40,599.3	41,311.6	28,803.9
City of Davao	8,047.8	6,879.4	6,206.1	6,064.3	6,082.1	6,623.2	6,485.8	6,266.5	6,471.9	6,500.7
Davao Oriental	1,338.4	1,410.3	1,667.8	1,688.9	2,024.5	2,181.3	2,139.7	2,162.1	2,223.2	2,253.5
Davao de Oro (Compostela Valley)	1,534.5	804.0	612.9	274.8	449.4	452.1	390.0	293.2	269.7	230.9
Davao Occidental	..	..	..	..	..	..	..	..	..	4,304.0
SOCCSKSARGEN	56,263.5	52,329.8	53,404.6	55,051.9	59,712.4	58,595.1	46,901.7	47,797.2	52,479.5	59,994.5
North Cotabato	30,153.5	28,524.2	28,022.3	28,155.5	29,448.0	28,255.1	23,158.2	24,686.1	28,354.1	35,101.8
Sarangani	4,610.7	4,917.0	5,998.7	7,134.6	8,017.4	8,173.5	8,043.7	8,712.2	8,748.7	8,990.9
South Cotabato	19,089.4	16,619.9	17,026.9	17,279.7	19,562.5	19,501.3	13,356.8	12,441.4	13,372.8	13,593.1
Sultan Kudarat	2,410.1	2,268.7	2,356.7	2,482.1	2,684.5	2,665.3	2,343.0	1,957.5	2,003.9	2,308.7
CARAGA	15,520.5	12,156.2	12,606.6	15,562.1	15,699.8	17,227.7	17,120.7	18,194.7	18,533.4	18,979.9
Agusan del Norte	14,440.7	11,186.7	11,687.1	14,497.9	14,740.4	15,850.7	15,989.0	17,100.1	17,423.8	17,871.5
Agusan del Sur	242.1	212.4	252.5	270.7	223.4	243.1	291.8	215.0	201.4	192.5
Dinagat Islands	..	..	..	30.3	19.2	33.5	33.4	29.1	31.6	32.6
Surigao del Norte	350.3	288.0	154.0	182.2	155.8	545.3	277.6	291.8	329.5	321.8
Surigao del Sur	487.4	469.2	513.1	581.0	561.0	555.2	529.0	558.8	547.1	561.5
ARMM	12,137.8	8,226.3	7,431.5	7,680.2	10,859.8	11,496.9	11,879.3	12,198.1	14,416.2	14,931.8
Basilan	227.2	218.9	210.4	201.0	205.5	210.1	190.6	173.6	181.4	202.6
Lanao del Sur	116.5	115.7	114.1	107.3	112.7	119.2	119.3	120.3	120.5	123.4
Maguindanao	4,319.2	2,080.5	4,688.9	5,077.2	8,172.0	8,679.6	9,233.0	9,743.0	11,844.2	12,302.4
Sulu	6,969.5	5,333.0	1,933.4	1,803.9	1,834.2	1,940.5	1,777.1	1,592.2	1,687.7	1,690.6
Tawi-tawi	505.5	478.2	484.6	490.8	535.4	547.4	559.3	569.1	582.4	612.8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mango Carabao										
PHILIPPINES	**669,519.8**	**638,953.6**	**630,596.0**	**671,929.4**	**730,140.4**	**740,238.6**	**659,014.3**	**598,713.5**	**571,436.7**	**593,081.0**
CAR	3,615.6	3,595.0	3,204.4	3,283.3	3,465.4	3,204.0	2,970.9	2,792.7	2,613.1	2,759.8
Abra	428.5	422.6	427.2	435.8	673.5	723.8	790.5	1,096.8	1,090.0	1,107.5
Apayao	13.0	12.0	11.5	10.0	16.8	18.3	18.9	4.3	3.6	5.3
Benguet	2,382.1	2,377.0	1,985.9	2,012.0	1,911.4	1,591.6	1,276.3	1,251.5	983.7	870.5
Ifugao	624.3	620.3	625.4	630.2	638.3	623.6	630.5	349.3	378.2	516.3
Kalinga	57.0	56.0	52.0	98.0	130.0	160.0	165.0	8.0	75.0	160.0
Mountain Province	110.8	107.1	102.4	97.3	95.5	86.8	89.8	82.8	82.7	100.1
ILOCOS REGION	252,693.9	238,221.8	226,937.6	221,046.9	231,810.0	221,254.8	171,500.0	158,487.0	132,014.6	143,007.4
Ilocos Norte	18,490.4	20,291.8	19,952.6	21,505.9	22,711.4	22,238.8	21,590.5	20,992.5	17,411.3	18,395.4
Ilocos Sur	5,146.9	4,988.3	4,852.4	5,333.3	5,520.2	5,450.8	5,346.2	5,331.4	5,583.8	5,897.1
La Union	9,253.8	9,340.8	9,469.0	12,208.8	14,551.4	16,424.4	11,464.7	11,020.9	11,517.5	16,345.3
Pangasinan	219,802.8	203,600.9	192,663.5	181,998.8	189,027.0	177,140.8	133,098.6	121,142.2	97,502.0	102,369.6
CAGAYAN VALLEY	42,591.4	32,500.8	26,461.4	37,066.5	40,672.3	35,987.7	46,396.4	39,171.2	38,417.2	36,923.9
Batanes	..	..	65.5	67.5	43.8	18.5	6.7	0.3	0.3	0.3
Cagayan	5,354.7	6,535.7	5,185.4	6,277.3	7,128.8	7,647.7	6,135.0	2,680.6	2,921.7	2,370.1
Isabela	23,962.7	13,153.1	10,494.6	15,995.5	18,694.0	22,371.2	20,403.1	17,381.1	18,015.5	16,239.9
Nueva Vizcaya	10,854.4	10,858.5	10,716.0	13,931.1	13,883.8	5,165.4	19,242.8	18,572.3	17,113.9	17,843.1
Quirino	2,419.6	1,953.4	..	795.0	922.0	785.0	608.9	537.0	365.8	470.6
CENTRAL LUZON	49,576.4	49,781.1	46,762.7	56,565.6	54,237.3	52,698.1	47,654.3	34,862.6	31,197.8	28,818.7
Aurora	5.0	5.3	5.8	6.1	6.3	6.0	4.8	2.5	2.0	6.0
Bataan	1,836.0	1,690.0	1,550.0	1,400.0	1,538.5	1,430.0	1,330.0	1,280.8	1,227.6	1,145.9
Bulacan	8,515.0	6,580.8	5,327.2	7,370.0	7,200.0	7,298.0	7,180.0	7,473.0	7,400.0	7,645.8
Nueva Ecija	9,473.1	10,099.2	9,465.2	9,523.1	9,231.4	9,402.8	9,381.2	5,690.7	4,191.3	3,745.2
Pampanga	2,175.0	2,490.0	2,780.0	4,204.0	4,200.0	4,798.0	4,593.4	4,234.5	4,100.0	4,304.5
Tarlac	16,352.5	16,832.9	16,706.6	19,015.5	15,141.2	12,092.3	11,582.8	6,366.8	4,885.1	3,035.2
Zambales	11,219.7	12,083.0	10,927.9	15,046.8	16,919.9	17,671.0	13,582.0	9,814.3	9,391.8	8,936.2
CALABARZON	26,758.4	39,107.7	37,206.7	36,265.6	39,047.7	36,423.2	29,630.1	23,781.3	22,548.6	27,222.6
Batangas	20,302.9	32,240.0	28,999.4	27,450.0	29,920.0	29,005.0	22,841.0	18,636.9	17,107.9	22,144.8
Cavite	2,230.0	2,162.5	3,623.0	3,274.0	3,295.0	2,820.5	2,692.0	1,498.5	1,861.0	1,632.2
Laguna	182.6	182.7	173.6	173.7	191.1	6.1	9.2	8.7	23.1	23.4
Quezon	3,898.4	4,213.7	4,121.8	5,085.8	5,334.8	4,134.5	3,754.2	3,397.5	3,303.1	3,108.5
Rizal	144.5	308.8	289.0	282.0	306.8	457.0	333.8	239.7	253.6	313.7
MIMAROPA	6,025.3	6,103.1	6,285.9	6,552.7	7,996.9	8,833.0	10,925.5	11,413.9	11,707.5	12,940.2
Marinduque	28.5	27.4	26.6	26.2	28.3	27.6	21.5	20.5	20.9	21.3
Occidental Mindoro	1,129.0	1,083.0	1,034.4	1,120.1	1,185.2	1,157.8	1,146.4	1,095.8	1,111.4	1,253.8
Oriental Mindoro	28.6	27.9	26.8	27.5	34.2	41.4	31.4	19.2	19.0	21.0
Palawan	4,659.0	4,782.4	5,000.0	5,187.3	6,540.4	7,381.2	9,509.8	10,075.9	10,359.8	11,378.5
Romblon	180.3	182.4	198.0	191.7	208.8	225.0	216.4	202.5	196.5	265.6
BICOL REGION	285.3	237.6	260.8	263.5	287.5	299.9	287.5	277.5	279.5	294.0
Albay	0.5	0.4	0.4	0.4	0.9	0.8	0.8	0.7	0.8	0.8
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	11.5	10.1	10.4	12.0	14.0	14.4	16.5	14.8	21.6	31.1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	253.8	211.8	234.3	234.0	254.5	264.7	251.8	242.0	236.4	241.1
Sorsogon	19.5	15.4	15.7	17.2	18.2	20.0	18.4	19.9	20.7	21.0
WESTERN VISAYAS	46,937.3	41,551.0	42,020.8	43,994.2	40,587.4	47,517.2	45,571.3	44,335.3	44,400.2	48,425.3
Aklan	122.1	183.7	186.1	214.1	204.3	208.8	209.8	209.7	208.3	216.2
Antique	1,777.7	1,604.6	1,509.8	1,509.5	1,365.4	1,303.4	1,114.3	1,313.8	793.8	723.2
Capiz	120.6	118.5	118.0	122.8	49.7	65.1	60.5	56.8	51.0	103.1
Guimaras	7,938.5	8,667.0	9,162.4	10,100.6	9,974.3	11,754.7	10,994.4	11,157.3	11,415.5	13,344.4
Iloilo	25,447.0	22,665.0	23,100.0	24,039.0	20,912.0	25,200.0	24,370.0	23,125.0	23,430.0	24,308.5
Negros Occidental	11,531.4	8,312.2	7,944.5	8,008.2	8,081.7	8,985.3	8,822.3	8,472.7	8,501.6	9,729.9
CENTRAL VISAYAS	65,276.1	59,895.3	62,245.5	65,635.1	68,647.7	79,157.3	60,616.6	62,440.1	68,447.1	74,374.7
Bohol	11,986.2	9,366.0	9,582.3	9,349.5	9,482.0	11,288.6	9,757.9	9,430.4	9,125.1	9,563.1
Cebu	41,748.5	40,449.2	41,444.7	42,033.4	43,721.7	51,057.4	38,727.5	39,850.9	41,188.4	42,456.2
Negros Oriental	11,219.4	9,841.2	10,955.5	14,016.5	14,905.9	16,214.9	11,590.1	12,707.6	17,740.0	21,968.5
Siquijor	322.0	238.9	263.0	235.8	538.0	596.4	541.1	451.2	393.6	387.0
EASTERN VISAYAS	460.3	449.0	447.7	437.7	227.5	238.5	244.9	231.4	231.7	240.8
Biliran	47.9	47.6	47.7	45.3	40.3	40.6	46.3	39.2	39.8	46.9
Eastern Samar	2.2	2.3	2.6	4.3	3.6	3.1	2.8	1.9	1.4	8.0
Leyte	313.7	305.8	299.4	284.7	82.2	89.5	98.4	93.1	91.8	85.3
Northern Samar	24.0	24.7	25.3	26.0	26.7	25.5	22.1	21.9	22.2	22.9
Samar (Western Samar)	8.5	8.5	8.4	8.5	8.1	8.3	8.2	8.5	8.5	8.2
Southern Leyte	64.0	60.2	64.2	68.9	66.6	71.5	67.2	66.9	68.1	69.5
ZAMBOANGA PENINSULA	55,911.6	60,609.6	62,955.7	74,043.3	87,189.8	92,064.1	91,852.8	68,648.0	59,634.0	57,182.0
Zamboanga del Norte	32,950.3	37,880.0	40,677.3	51,383.5	59,133.7	64,248.4	64,886.6	47,489.0	38,166.1	36,533.8
Zamboanga del Sur	8,141.3	7,743.6	6,549.4	6,753.5	8,619.4	8,487.1	8,082.3	3,449.5	3,475.2	3,565.5
Zamboanga Sibugay	2,233.1	2,017.3	2,575.6	2,579.6	3,754.3	3,739.2	3,759.2	3,775.1	3,709.5	4,060.0
City of Zamboanga	12,586.9	12,968.8	13,153.5	13,326.7	15,682.4	15,589.4	15,124.8	13,934.3	14,283.3	13,022.7
NORTHERN MINDANAO	34,613.0	32,661.7	35,273.8	41,756.4	42,257.6	47,511.8	47,460.9	46,300.5	47,328.1	48,947.8
Bukidnon	4,290.0	3,490.0	3,238.0	3,120.0	2,845.0	2,866.0	2,957.6	2,920.0	3,055.5	3,198.2
Camiguin	137.3	142.6	137.8	194.4	225.6	211.0	185.3	167.5	156.8	135.3
Lanao del Norte	2,035.0	2,210.0	2,765.0	3,050.0	3,410.3	3,698.0	3,774.0	3,716.0	3,715.0	3,765.0
Misamis Occidental	18,212.8	18,847.0	18,971.0	18,845.0	19,401.8	23,621.8	23,743.0	23,210.0	23,493.8	23,712.4
Misamis Oriental	9,937.9	7,972.1	10,162.0	16,547.0	16,375.0	17,115.0	16,801.0	16,287.0	16,907.0	18,137.0
DAVAO REGION	27,200.9	23,952.7	26,459.7	26,920.6	48,204.9	48,720.7	47,212.3	46,861.5	47,876.1	39,785.8
Davao del Norte	1,894.0	1,913.0	1,947.1	1,955.2	2,039.3	2,284.2	2,275.6	2,216.1	2,289.5	2,333.6
Davao del Sur	18,864.6	16,550.9	19,167.6	19,923.2	40,643.9	40,334.7	39,023.7	38,974.9	39,683.0	27,221.6
City of Davao	4,272.7	3,716.0	3,622.1	3,541.5	3,553.5	4,074.7	3,975.3	3,780.2	3,981.5	4,006.5
Davao Oriental	1,115.3	1,137.9	1,253.6	1,267.2	1,580.4	1,650.1	1,612.7	1,631.6	1,684.0	1,719.9
Davao de Oro (Compostela Valley)	1,054.3	634.9	469.3	233.6	388.0	377.0	325.1	258.6	238.2	200.2
Davao Occidental	..	..	..	..	..	..	..	..	..	4,304.0
SOCCSKSARGEN	44,413.4	41,047.7	42,316.9	43,896.3	48,121.1	47,222.9	37,540.6	38,614.4	42,529.9	49,459.2
North Cotabato	21,169.4	19,887.3	19,591.7	19,702.2	20,855.5	19,876.9	15,853.8	17,362.7	20,309.0	26,492.9
Sarangani	4,265.8	4,599.3	5,702.0	6,810.3	7,687.0	7,841.0	7,720.0	8,382.0	8,421.0	8,662.0
South Cotabato	16,742.6	14,462.3	14,829.3	15,068.7	17,067.7	17,019.6	11,800.8	11,089.1	11,967.6	12,168.9
Sultan Kudarat	2,235.7	2,098.9	2,193.8	2,315.1	2,510.9	2,485.5	2,166.0	1,780.6	1,832.3	2,135.5
CARAGA	10,939.5	9,040.3	9,485.1	12,044.9	12,315.3	13,790.5	13,639.0	14,820.5	15,182.5	15,548.3
Agusan del Norte	10,625.1	8,760.4	9,176.5	11,718.6	12,042.2	13,112.7	13,199.0	14,396.0	14,719.3	15,091.5
Agusan del Sur	230.5	202.0	241.6	246.6	196.5	202.3	227.3	198.4	190.8	181.6
Dinagat Islands	..	..	..	9.1	1.2	4.1	3.0	3.1	3.5	4.1
Surigao del Norte	70.7	64.5	43.0	44.1	46.5	443.0	182.5	199.2	222.1	221.5
Surigao del Sur	13.2	13.5	24.0	26.5	29.0	28.4	27.3	23.9	46.8	49.6
ARMM	2,221.5	199.3	2,271.5	2,156.9	5,071.9	5,314.8	5,511.4	5,675.9	7,028.8	7,150.6
Basilan	68.8	65.4	61.1	58.0	59.2	60.7	57.4	51.7	54.0	56.7
Lanao del Sur	67.2	66.2	64.4	62.9	66.4	69.5	69.2	69.9	70.3	72.5
Maguindanao	2,057.5	33.0	2,105.0	1,985.0	4,882.0	5,116.0	5,306.5	5,465.0	6,800.5	6,905.2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	28.0	34.7	41.0	51.0	64.2	68.7	78.3	89.3	103.9	116.2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mangosteen										
PHILIPPINES	**5,552.6**	**683.3**	**3,209.4**	**3,303.0**	**2,685.6**	**3,400.4**	**2,522.2**	**1,171.3**	**2,659.5**	**5,600.4**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	-	..	..	..	..
Ilocos Norte	..	..	..	..	..	-	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	55.9	48.0	42.8	53.9	35.2	36.2	30.8	..	32.3	79.8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	0.5	1.0	1.1	0.4	0.5	0.4	..	..	..
Quezon	55.9	47.5	41.8	52.8	34.8	35.7	30.4	..	32.3	79.8
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	1.2	1.1	1.2	1.2	1.9	2.0	1.7	1.7	1.7	1.6
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	1.2	1.1	1.2	1.2	1.2	1.2	0.9	0.7	0.6	0.4
Palawan	..	..	..	..	0.7	0.8	0.9	1.0	1.1	1.1
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	235.2	21.5	30.9	22.9	28.0	29.2	29.2	25.0	30.0	32.1
Aklan	..	..	..	..	..	..	..	..	..	0.1
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	235.2	21.5	30.9	22.9	28.0	29.2	29.2	25.0	30.0	32.0
CENTRAL VISAYAS	11.6	8.3	9.6	10.9	9.9	11.4	9.9	0.5	1.3	1.1
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	11.6	8.3	9.6	10.9	9.9	11.4	9.9	0.5	1.3	1.1
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	954.5	24.2	287.6	24.6	146.1	977.6	545.8	19.1	762.9	3,563.9
Zamboanga del Norte	938.2	18.9	279.6	15.6	139.4	954.1	524.5	..	740.1	3,541.5
Zamboanga del Sur	7.3	2.7	2.6	2.4	2.3	2.2	1.0	..	1.1	1.2
Zamboanga Sibugay	6.0	..	2.8	3.9	1.7	18.0	17.2	16.1	18.6	19.3
City of Zamboanga	3.0	2.6	2.6	2.7	2.7	3.3	3.1	3.0	3.1	2.0
NORTHERN MINDANAO	184.0	68.7	65.7	66.6	60.5	66.3	58.1	35.7	44.6	55.1
Bukidnon	63.0	37.0	21.0	16.0	11.8	13.0	15.5	15.9	17.6	21.3
Camiguin	0.0	..	..	..	..	..	..	..	..	..
Lanao del Norte	25.0	23.9	26.0	27.5	28.6	28.0	21.5	..	5.0	5.6
Misamis Occidental	81.8	7.8	13.2	8.1	6.1	9.9	6.5	6.2	7.5	13.0
Misamis Oriental	14.2	..	5.5	15.0	14.0	15.4	14.6	13.6	14.6	15.3
DAVAO REGION	700.8	479.5	363.8	302.3	447.5	461.2	344.7	219.4	364.1	366.5
Davao del Norte	145.9	132.7	100.1	109.3	149.8	161.4	154.0	139.2	148.8	142.3
Davao del Sur	7.6	3.5	3.3	3.2	3.3	0.5	0.5	0.5	1.6	2.1
City of Davao	179.2	57.8	38.9	101.1	189.3	189.5	120.3	27.4	118.2	123.3
Davao Oriental	..	1.6	0.7	0.4	0.7	1.2	1.2	1.2	1.4	1.5
Davao de Oro (Compostela Valley)	368.1	284.0	220.9	88.2	104.4	108.6	68.7	51.1	94.2	97.2
Davao Occidental	..	..	..	..	..	..	..	..	..	0.1
SOCCSKSARGEN	835.4	12.0	374.2	710.3	842.4	652.2	431.5	13.9	503.4	520.3
North Cotabato	826.5	2.9	364.8	695.6	827.4	629.2	414.8	..	443.9	455.5
Sarangani	3.6	4.9	5.4	5.9	5.9	6.7	5.1	4.7	4.9	4.3
South Cotabato	5.1	4.2	3.9	8.6	8.9	16.1	11.4	9.2	53.2	59.0
Sultan Kudarat	0.2	0.1	0.2	0.2	0.3	0.3	0.2	..	1.4	1.6
CARAGA	15.7	4.8	37.8	62.8	56.9	166.7	204.3	29.9	35.2	58.6
Agusan del Norte	1.6	0.5	0.2	7.5	4.0	1.7	1.2	..	..	23.3
Agusan del Sur	13.4	4.0	9.9	31.0	33.2	143.5	184.6	12.8	16.8	15.7
Dinagat Islands	..	..	..	..	..	..	..	..	0.0	0.0
Surigao del Norte	0.8	0.3	0.2	1.3	1.0	0.4	0.3	0.1	0.1	0.1
Surigao del Sur	..	..	27.5	23.0	18.8	21.1	18.3	17.0	18.2	19.5
ARMM	2,558.5	15.2	1,995.8	2,047.6	1,057.3	997.7	866.2	826.2	883.9	921.4
Basilan	3.7	..	..	1.8	2.0	2.1	..	..	2.6	2.9
Lanao del Sur	14.6	15.2	15.8	15.3	14.2	14.1	14.1	14.4	16.4	16.4
Maguindanao	0.2	..	..	0.5	1.1	1.5	1.5	1.2	2.0	1.3
Sulu	2,540.0	..	1,980.0	2,030.0	1,040.0	980.0	850.0	810.0	862.0	900.0
Tawi-tawi	..	..	..	..	..	..	0.7	0.5	1.0	0.8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Orange										
PHILIPPINES	**4,336.5**	**3,984.0**	**3,826.7**	**3,513.4**	**3,324.7**	**3,219.3**	**2,860.6**	**2,634.1**	**2,364.9**	**2,114.2**
CAR	933.2	892.9	861.8	842.3	838.6	781.7	675.0	612.6	546.5	481.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	3.5	2.9	3.2	3.8	4.4	4.6	3.8	3.6	2.8	2.3
Benguet	757.9	741.0	734.0	738.1	747.2	705.0	616.5	556.2	497.3	434.5
Ifugao	17.3	17.7	16.8	16.4	16.7	16.7	17.0	15.8	8.7	8.5
Kalinga	23.3	24.2	17.7	11.0	10.3	8.6	2.1	4.1	0.8	1.0
Mountain Province	131.2	107.1	90.1	73.1	60.1	46.9	35.7	32.9	37.0	35.3
ILOCOS REGION	34.9	29.8	26.0	22.4	17.4	15.2	12.0	10.9	9.1	7.5
Ilocos Norte	18.3	14.4	11.7	10.2	9.3	7.4	4.6	3.2	2.5	1.8
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	13.4	12.4	11.4	9.6	5.5	5.4	5.2	5.7	4.8	4.4
Pangasinan	3.2	3.0	2.9	2.7	2.6	2.5	2.3	2.0	1.9	1.3
CAGAYAN VALLEY	824.3	722.1	681.8	637.1	589.8	602.2	566.3	564.9	534.8	529.1
Batanes	..	..	9.3	1.8	1.1	0.3	0.1	0.0	0.0	0.0
Cagayan	12.5	10.8	10.2	10.0	10.3	9.0	5.6	3.6	1.7	1.8
Isabela	153.6	109.2	94.8	102.5	108.1	108.7	108.5	106.6	103.8	94.9
Nueva Vizcaya	603.3	558.1	526.5	480.4	427.2	444.3	416.8	435.2	418.0	425.3
Quirino	55.0	44.0	41.0	42.5	43.0	40.0	35.4	19.5	11.2	7.1
CENTRAL LUZON	39.4	31.4	23.7	22.2	21.7	14.4	6.2	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	11.9	5.8	..	..	..	..	..	..	..	..
Zambales	27.6	25.7	23.7	22.2	21.7	14.4	6.2	..	..	..
CALABARZON	65.1	55.6	46.2	19.0	9.2	8.7	6.8	4.8	3.7	1.8
Batangas	40.0	38.0	30.0	5.0	1.0	0.8	0.5	0.3	0.1	0.1
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	25.1	17.6	16.2	14.0	8.2	7.9	6.3	4.5	3.6	1.7
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	9.4	7.5	7.5	7.5	8.6	9.0	8.8	9.3	9.5	9.8
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	9.4	7.5	7.5	7.5	8.6	9.0	8.8	9.3	9.5	9.8
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	915.0	903.3	912.0	920.6	898.6	917.1	797.4	701.2	570.4	412.0
Albay	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
Camarines Norte	724.0	711.0	718.0	730.3	728.1	743.1	660.0	592.4	476.6	326.0
Camarines Sur	164.1	165.7	167.5	164.2	147.7	150.2	114.6	91.7	82.5	76.2
Catanduanes	13.5	13.4	13.1	12.9	11.9	12.3	12.0	6.0	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	12.9	12.7	12.9	12.8	10.5	11.1	10.5	10.8	11.0	9.7
WESTERN VISAYAS	47.3	44.5	46.8	21.3	21.6	19.9	19.6	18.9	16.7	14.8
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	21.0	19.6	20.9	..	..	..	..	..	..	..
Guimaras	1.2	1.2	1.5	1.5	1.6	1.1	1.2	1.1	0.8	0.7
Iloilo	2.4	2.0	1.7	1.5	1.3	0.9	0.9	0.7	0.8	1.0
Negros Occidental	22.8	21.7	22.7	18.3	18.7	17.9	17.5	17.1	15.1	13.1
CENTRAL VISAYAS	7.8	6.8	6.9	5.6	5.3	3.1	2.9	3.0	3.4	3.3
Bohol	7.8	6.8	6.9	5.6	5.3	3.1	2.9	3.0	3.4	3.3
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	111.1	107.7	107.9	99.8	54.3	47.3	41.7	33.6	29.0	22.6
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	41.1	41.2	40.8	35.4	29.8	22.4	14.9	6.7	5.6	0.1
Leyte	66.7	63.5	64.0	61.5	21.8	22.6	24.5	24.7	21.3	20.3
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	3.2	3.1	3.2	2.9	2.7	2.4	2.3	2.2	2.2	2.1
ZAMBOANGA PENINSULA	48.7	47.9	50.0	37.4	29.6	27.0	21.6	19.5	19.9	19.4
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	47.1	47.9	50.0	37.4	29.6	27.0	21.6	19.5	19.9	19.4
Zamboanga Sibugay	1.7	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	133.7	94.8	103.2	98.9	87.6	79.3	66.6	61.0	50.6	48.3
Bukidnon	79.0	45.0	57.0	58.0	53.0	47.0	43.0	41.0	38.8	36.7
Camiguin	2.3	5.5	7.2	8.2	7.9	8.6	8.9	9.9	9.8	10.2
Lanao del Norte	35.5	32.8	30.4	28.2	25.5	22.6	13.5	8.9	0.8	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	17.0	11.5	8.6	4.5	1.3	1.1	1.2	1.2	1.3	1.5
DAVAO REGION	950.2	871.3	813.3	644.3	611.3	560.5	520.5	488.8	470.1	463.2
Davao del Norte	59.6	57.3	55.0	52.2	50.1	49.3	47.9	46.3	45.0	43.7
Davao del Sur	14.6	13.1	11.9	13.0	12.6	11.6	11.6	11.7	11.6	11.5
City of Davao	557.8	518.1	493.9	447.6	421.0	376.9	349.5	322.2	313.8	314.8
Davao Oriental	112.6	90.8	87.8	80.6	76.8	74.3	72.3	69.1	62.2	56.8
Davao de Oro (Compostela Valley)	205.6	192.1	164.9	50.9	50.8	48.4	39.1	39.6	37.5	36.4
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	94.9	92.0	95.8	100.8	104.8	106.6	91.6	87.0	86.7	87.5
North Cotabato	42.4	40.0	41.3	43.8	46.0	48.2	40.8	38.2	37.4	38.0
Sarangani	6.6	7.0	7.3	7.6	7.8	7.4	3.3	3.2	3.1	3.1
South Cotabato	15.0	13.6	13.9	14.2	14.6	14.5	13.2	12.2	12.2	12.1
Sultan Kudarat	30.9	31.5	33.3	35.3	36.6	36.6	34.3	33.5	34.1	34.3
CARAGA	51.9	31.9	29.0	20.5	12.7	15.2	11.4	6.3	4.0	3.3
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	51.9	31.9	29.0	20.5	12.7	15.2	11.4	6.3	4.0	3.3
Dinagat Islands	..	..	..	..	..	..	..	..	..	-
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	69.7	44.7	14.9	13.9	13.6	12.2	12.3	12.4	10.5	10.3
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	19.7	14.7	14.9	13.9	13.6	12.2	12.3	12.4	10.5	10.3
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	50.0	30.0	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Papaya										
PHILIPPINES	**165,981.0**	**157,906.8**	**164,912.6**	**166,335.8**	**172,628.5**	**172,650.1**	**162,480.7**	**167,043.0**	**169,143.0**	**166,164.1**
CAR	1,643.9	1,586.9	1,590.1	1,627.4	1,730.1	1,764.9	1,688.4	1,635.3	1,522.7	1,466.4
Abra	711.0	694.0	703.3	731.2	828.1	888.3	873.8	877.7	856.9	838.8
Apayao	21.3	20.3	20.8	27.5	25.3	25.1	23.5	20.3	20.2	17.2
Benguet	305.0	290.0	272.3	275.7	281.9	268.3	257.4	252.0	246.0	256.8
Ifugao	383.7	349.1	346.2	326.3	331.3	319.9	310.3	301.3	222.3	203.3
Kalinga	78.6	79.5	83.6	86.9	81.0	75.5	55.9	25.2	20.0	15.3
Mountain Province	144.2	154.0	164.0	179.8	182.6	187.8	167.6	158.9	157.3	135.0
ILOCOS REGION	3,292.7	3,289.9	3,323.1	3,456.4	3,542.2	3,497.5	3,392.3	3,517.8	3,470.3	3,506.5
Ilocos Norte	811.7	835.8	871.4	904.8	914.7	901.9	904.7	929.6	943.6	924.7
Ilocos Sur	442.8	517.3	566.6	598.5	611.8	618.0	628.1	647.1	652.8	653.2
La Union	558.8	529.2	525.2	555.2	574.4	570.5	574.5	627.2	635.8	652.6
Pangasinan	1,479.5	1,407.6	1,360.0	1,397.9	1,441.2	1,407.1	1,285.0	1,314.0	1,238.1	1,276.0
CAGAYAN VALLEY	2,289.9	1,738.9	1,991.7	2,073.5	1,995.0	1,874.3	1,736.6	1,591.9	1,559.5	1,489.3
Batanes	..	..	92.1	74.5	54.3	41.3	33.4	11.8	12.3	10.8
Cagayan	366.8	319.8	362.0	431.8	418.9	319.7	321.1	232.0	245.3	228.1
Isabela	414.6	176.5	358.5	386.1	407.0	406.5	375.9	353.2	320.3	280.9
Nueva Vizcaya	1,266.5	1,112.9	1,045.4	999.5	952.6	951.1	878.1	864.6	858.9	860.1
Quirino	242.0	129.5	133.8	181.7	162.2	155.7	128.1	130.4	122.6	109.4
CENTRAL LUZON	3,934.1	3,987.4	3,907.7	3,918.9	4,149.1	5,640.5	5,407.4	5,486.4	5,503.3	5,781.2
Aurora	264.2	259.8	257.6	210.2	282.5	211.4	196.9	136.7	127.2	140.9
Bataan	210.5	199.8	191.7	190.5	192.6	196.7	186.5	180.3	178.0	172.1
Bulacan	1,987.0	2,020.3	2,006.4	2,071.6	2,159.2	3,707.2	3,547.8	3,605.2	3,614.8	3,854.4
Nueva Ecija	588.9	589.2	589.9	577.7	589.4	594.3	599.3	590.9	592.7	614.1
Pampanga	582.0	560.0	543.0	497.0	492.0	485.0	495.5	595.9	598.4	634.6
Tarlac	27.8	26.6	27.4	26.9	25.0	22.9	23.3	28.0	42.9	49.8
Zambales	273.8	331.8	291.9	345.0	408.5	423.1	358.2	349.5	349.4	315.3
CALABARZON	8,439.6	9,128.4	9,250.0	9,231.6	7,093.7	6,951.5	7,108.3	7,150.2	6,674.6	6,411.9
Batangas	222.3	207.7	190.6	161.9	136.8	135.1	315.9	387.4	387.5	344.4
Cavite	2,721.1	2,891.1	2,985.0	2,980.7	1,794.3	1,751.2	1,731.8	1,619.9	1,481.0	1,446.5
Laguna	824.2	1,446.2	1,394.0	1,451.7	1,261.1	1,225.5	1,265.7	1,406.1	1,314.5	1,286.5
Quezon	4,161.5	4,053.4	4,145.4	4,075.3	3,341.5	3,303.7	3,258.3	3,151.4	2,891.0	2,757.9
Rizal	510.5	530.0	535.0	562.0	560.0	536.0	536.6	585.4	600.7	576.6
MIMAROPA	3,757.3	3,893.9	4,039.6	4,057.0	4,024.4	4,144.3	4,071.7	4,295.8	4,231.5	4,284.5
Marinduque	96.3	97.8	100.1	99.0	90.2	93.2	79.3	76.1	80.8	79.9
Occidental Mindoro	2,334.7	2,445.7	2,570.5	2,570.9	2,521.6	2,611.0	2,683.4	2,911.9	2,857.7	2,923.2
Oriental Mindoro	324.4	320.6	307.5	305.2	321.1	336.4	218.7	191.3	153.9	163.4
Palawan	643.1	684.4	723.0	756.3	790.2	815.2	819.3	834.0	855.0	865.5
Romblon	358.8	345.5	338.6	325.6	301.3	288.5	270.9	282.5	284.0	252.5
BICOL REGION	9,703.1	9,551.1	9,607.5	9,628.0	9,073.7	9,187.8	9,117.8	8,754.6	8,802.5	8,437.2
Albay	857.3	824.6	767.1	716.2	510.8	537.0	578.1	565.7	600.2	622.8
Camarines Norte	2,607.0	2,620.0	2,684.5	2,692.1	2,654.5	2,735.1	2,716.8	3,126.9	3,358.9	3,068.6
Camarines Sur	4,433.7	4,419.1	4,441.7	4,465.6	4,293.5	4,260.3	4,323.7	3,504.6	3,246.7	3,180.1
Catanduanes	39.5	39.0	39.1	40.0	39.7	39.0	40.0	35.0	45.9	48.7
Masbate	92.9	93.1	102.4	106.1	111.3	113.1	111.8	115.4	118.8	124.2
Sorsogon	1,672.7	1,555.3	1,572.8	1,608.0	1,463.9	1,503.4	1,347.5	1,407.1	1,431.9	1,392.8
WESTERN VISAYAS	6,188.1	6,333.3	6,252.7	6,026.4	5,256.2	5,267.8	5,387.1	5,564.2	5,650.3	5,719.4
Aklan	1,164.3	1,155.4	1,120.9	1,075.3	715.6	715.5	714.3	602.8	599.1	593.6
Antique	413.9	406.3	378.1	369.6	346.7	344.5	335.2	334.0	343.8	348.1
Capiz	455.1	458.8	486.5	433.1	72.5	104.0	116.0	130.4	152.9	150.3
Guimaras	124.3	136.6	147.4	142.9	142.2	137.4	135.2	146.7	158.0	160.2
Iloilo	2,021.8	2,174.2	2,145.6	2,156.9	2,161.0	2,160.2	2,315.4	2,573.2	2,632.6	2,763.0
Negros Occidental	2,008.8	2,002.1	1,974.2	1,848.6	1,818.2	1,806.2	1,771.1	1,777.2	1,764.0	1,704.1
CENTRAL VISAYAS	6,857.0	6,732.6	6,794.9	6,427.7	6,628.3	6,837.3	6,055.0	6,313.5	6,237.3	5,847.5
Bohol	316.5	377.0	349.4	347.1	468.4	428.7	415.7	444.0	543.3	569.6
Cebu	3,065.0	3,710.1	3,876.8	3,776.8	4,023.8	4,198.7	4,087.7	4,236.4	4,155.9	3,979.3
Negros Oriental	2,978.9	2,114.0	2,056.2	1,796.4	1,623.4	1,713.0	1,157.3	1,193.7	1,111.6	917.0
Siquijor	496.6	531.5	512.5	507.5	512.7	496.9	394.2	439.4	426.4	381.7
EASTERN VISAYAS	3,063.9	3,033.8	3,109.4	2,912.1	2,264.5	2,200.6	2,157.6	2,157.7	2,129.8	1,988.0
Biliran	124.2	124.7	125.0	119.5	100.6	101.4	102.3	96.7	89.8	86.1
Eastern Samar	928.4	915.9	924.3	883.2	720.7	632.3	624.0	612.2	593.5	427.0
Leyte	923.5	901.2	876.7	748.0	297.5	310.8	348.7	344.8	329.2	319.7
Northern Samar	527.3	542.5	556.9	586.5	606.4	597.8	519.3	530.4	535.2	551.1
Samar (Western Samar)	474.7	463.1	538.3	510.1	482.2	501.5	507.1	517.2	525.0	547.3
Southern Leyte	85.8	86.5	88.1	64.8	57.1	56.9	56.2	56.4	57.1	56.7
ZAMBOANGA PENINSULA	5,667.9	5,521.5	5,504.9	5,247.1	5,614.5	6,149.2	5,868.4	6,059.9	6,006.4	5,854.1
Zamboanga del Norte	2,181.3	2,076.0	1,962.9	1,682.8	1,964.5	2,425.1	2,203.6	2,226.0	1,962.6	1,945.3
Zamboanga del Sur	692.4	759.6	800.6	927.9	1,022.2	1,048.3	1,107.2	1,174.1	1,248.8	1,197.6
Zamboanga Sibugay	423.3	417.8	425.0	405.8	379.0	373.0	364.2	374.9	376.2	379.3
City of Zamboanga	2,370.9	2,268.1	2,316.5	2,230.6	2,248.9	2,302.8	2,193.3	2,284.8	2,418.8	2,331.9
NORTHERN MINDANAO	29,151.6	21,125.3	26,385.0	30,107.6	38,256.4	37,239.8	36,790.1	37,238.8	37,966.9	38,287.1
Bukidnon	3,012.0	5,136.0	4,640.0	4,375.0	4,253.0	4,176.5	4,828.3	5,038.2	4,925.4	4,541.1
Camiguin	61.1	71.4	68.0	63.5	71.5	79.3	88.6	96.1	95.6	89.8
Lanao del Norte	862.0	854.0	802.0	746.0	712.0	612.9	635.0	642.8	633.1	629.2
Misamis Occidental	140.5	141.8	140.3	125.1	119.0	118.6	120.9	118.4	118.5	125.3
Misamis Oriental	25,076.0	14,922.2	20,734.7	24,798.0	33,100.9	32,252.5	31,117.4	31,343.3	32,194.4	32,901.7
DAVAO REGION	14,686.2	12,117.1	11,340.4	10,335.2	10,405.9	10,462.9	10,335.5	10,405.8	10,440.5	10,408.1
Davao del Norte	1,823.5	1,776.5	1,691.9	1,628.3	1,568.8	1,571.0	1,553.0	1,567.9	1,530.9	1,503.7
Davao del Sur	7,364.1	5,813.6	5,254.2	4,953.9	5,005.5	4,969.3	4,935.5	4,962.1	4,915.1	3,110.6
City of Davao	3,484.4	2,631.6	2,694.8	2,755.9	2,796.1	2,861.6	2,812.3	2,859.4	2,971.6	2,981.8
Davao Oriental	601.2	673.2	648.8	682.7	745.7	777.3	764.0	758.5	752.8	754.8
Davao de Oro (Compostela Valley)	1,413.1	1,222.1	1,050.9	314.4	289.7	283.8	270.7	257.9	270.1	257.5
Davao Occidental	..	..	..	..	..	..	..	..	..	1,799.6
SOCCSKSARGEN	62,848.3	65,843.0	67,864.7	67,622.8	69,008.4	67,975.2	60,028.5	63,471.8	65,505.2	63,213.4
North Cotabato	8,877.5	9,530.9	9,743.8	9,883.4	9,950.4	9,393.8	6,886.4	7,231.8	7,150.9	7,027.8
Sarangani	406.9	387.2	379.1	348.8	290.9	217.5	201.0	194.3	171.0	156.4
South Cotabato	53,216.8	55,568.2	57,403.7	57,060.5	58,445.2	58,045.0	52,598.5	55,723.2	57,867.4	55,729.6
Sultan Kudarat	347.0	356.7	338.1	330.1	322.0	319.0	342.7	322.5	315.9	299.6
CARAGA	1,630.9	1,168.8	1,121.5	1,057.3	939.7	830.8	790.5	808.1	818.8	859.7
Agusan del Norte	923.3	657.7	672.6	536.0	487.8	435.6	389.5	395.1	389.7	442.6
Agusan del Sur	322.4	205.5	175.6	126.7	115.7	101.2	88.7	71.9	74.8	82.7
Dinagat Islands	..	..	..	25.2	15.9	16.3	16.2	14.7	14.3	13.9
Surigao del Norte	199.6	149.9	119.3	114.8	107.3	90.3	96.1	116.6	121.5	107.3
Surigao del Sur	185.6	155.7	154.0	254.8	213.0	187.4	200.0	209.9	218.5	213.2
ARMM	2,826.6	2,854.8	2,829.4	2,606.7	2,646.4	2,625.7	2,545.6	2,591.2	2,623.7	2,609.8
Basilan	464.6	475.1	476.8	462.9	445.6	436.5	406.0	418.5	423.9	429.9
Lanao del Sur	147.0	145.4	148.3	150.8	161.0	168.0	168.4	166.0	165.0	168.9
Maguindanao	974.5	1,010.0	1,051.5	900.0	972.1	959.9	958.6	968.5	944.7	902.5
Sulu	940.0	955.0	928.0	878.8	874.1	870.0	803.0	815.5	846.0	855.0
Tawi-tawi	300.5	269.3	224.8	214.3	193.6	191.4	209.6	222.8	244.2	253.6

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pineapple										
PHILIPPINES	**2,169,233.0**	**2,246,805.9**	**2,397,745.1**	**2,458,528.1**	**2,507,098.4**	**2,582,698.9**	**2,612,474.0**	**2,671,710.8**	**2,730,984.6**	**2,747,856.5**
CAR	682.6	687.2	711.5	770.6	804.7	813.9	831.1	750.3	749.3	737.5
Abra	52.4	51.2	51.8	52.8	68.0	72.0	70.0	71.3	70.2	69.3
Apayao	273.0	284.0	320.0	385.0	406.0	425.0	463.4	383.8	383.8	393.0
Benguet	209.7	208.7	195.8	198.0	202.0	198.6	184.5	189.7	191.3	192.8
Ifugao	55.0	56.5	58.8	54.8	57.7	59.5	58.9	66.1	66.8	51.9
Kalinga	34.0	35.6	38.8	34.5	30.5	29.3	22.8	8.7	7.5	4.2
Mountain Province	58.4	51.3	46.4	45.5	40.5	29.5	31.5	30.8	29.8	26.3
ILOCOS REGION	195.3	197.2	200.2	196.2	198.6	197.3	227.6	228.9	220.7	218.6
Ilocos Norte	63.6	65.0	65.1	64.6	68.0	68.3	68.2	69.5	66.8	61.4
Ilocos Sur	27.9	28.8	30.4	30.1	28.1	27.3	29.3	31.1	28.7	27.7
La Union	65.7	67.0	68.7	66.8	68.6	71.3	102.1	101.3	99.2	104.7
Pangasinan	38.1	36.3	36.1	34.7	33.9	30.4	27.9	27.1	26.2	24.8
CAGAYAN VALLEY	29,375.3	26,702.7	28,342.3	31,247.0	33,842.4	35,128.8	34,821.1	34,983.5	38,778.0	36,056.4
Batanes	..	..	117.5	106.2	68.2	23.4	14.3	4.9	5.0	4.7
Cagayan	10,909.6	7,937.7	11,354.9	12,940.9	15,816.2	15,223.0	16,109.8	16,438.2	16,524.4	14,160.9
Isabela	8,404.2	8,892.6	7,399.4	7,919.4	9,371.4	9,398.2	8,743.5	7,830.6	9,173.3	8,264.2
Nueva Vizcaya	9,969.0	9,765.0	9,384.6	10,182.0	8,491.6	10,396.9	9,887.4	10,634.2	13,000.6	13,564.8
Quirino	92.5	107.3	86.0	98.5	95.0	87.3	66.1	75.7	74.7	61.7
CENTRAL LUZON	1,451.7	1,438.6	1,463.2	1,456.9	1,619.9	1,656.5	1,629.3	1,771.5	1,856.4	2,476.8
Aurora	468.0	478.5	483.3	494.0	648.8	662.4	647.0	852.1	933.6	1,507.2
Bataan	486.2	455.0	460.0	450.0	448.0	434.6	418.0	368.3	372.6	389.4
Bulacan	410.0	426.0	442.0	460.0	470.0	507.0	509.0	509.9	511.8	549.3
Nueva Ecija	2.0	2.0	1.9	1.9	1.9	1.8	1.8	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	85.5	77.1	76.0	51.0	51.3	50.7	53.6	41.3	38.5	31.0
CALABARZON	87,561.2	86,178.2	86,388.6	88,238.7	85,448.1	88,659.8	92,514.3	97,696.3	94,033.7	84,248.2
Batangas	56.5	68.5	62.0	45.0	38.0	54.0	57.9	106.1	102.3	105.9
Cavite	72,621.0	71,557.6	71,600.0	73,408.0	71,601.2	70,552.2	75,057.0	80,005.9	77,250.2	67,875.1
Laguna	13,666.4	13,527.8	13,650.2	13,645.5	12,669.5	15,396.1	15,003.6	15,364.7	14,656.5	14,254.3
Quezon	697.3	490.4	537.4	597.2	626.3	2,156.4	1,951.7	1,803.9	1,614.3	1,568.0
Rizal	520.0	534.0	539.0	543.0	513.0	501.2	444.1	415.7	410.5	445.0
MIMAROPA	252.4	295.4	326.4	364.2	404.1	448.0	551.8	579.6	587.8	576.9
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	53.2	53.5	55.4	71.5	71.0	81.9	72.5	73.4	71.6	75.8
Palawan	123.5	162.2	189.0	208.0	244.4	277.0	386.2	426.0	439.9	432.8
Romblon	75.7	79.7	82.0	84.8	88.7	89.2	93.1	80.3	76.4	68.4
BICOL REGION	112,205.4	116,123.4	121,734.7	124,960.8	123,411.5	130,594.9	137,991.4	127,489.3	151,216.8	163,274.7
Albay	1,064.0	972.2	886.1	782.0	637.0	622.4	560.1	455.1	418.0	424.1
Camarines Norte	106,877.0	111,048.0	116,670.0	119,834.2	118,492.3	125,629.8	133,113.8	122,606.0	146,052.0	158,315.0
Camarines Sur	2,902.8	2,817.4	2,824.6	2,783.6	2,736.0	2,724.1	2,824.7	2,911.5	3,209.5	3,109.5
Catanduanes	13.2	12.3	12.9	13.2	12.9	13.3	13.3	10.0	8.3	8.4
Masbate	83.0	90.5	99.1	105.0	109.8	106.6	102.2	104.4	101.0	108.4
Sorsogon	1,265.5	1,183.1	1,242.1	1,442.8	1,423.4	1,498.8	1,377.2	1,402.3	1,428.0	1,309.4
WESTERN VISAYAS	14,317.1	16,262.7	16,307.8	16,258.0	17,053.9	16,847.0	16,494.0	16,910.0	17,755.1	18,054.2
Aklan	284.9	265.3	231.3	209.8	175.9	173.7	173.3	169.8	164.8	157.9
Antique	101.9	102.0	100.4	106.9	103.2	105.4	98.4	101.9	104.2	107.0
Capiz	193.9	229.8	250.0	224.0	210.9	221.6	203.4	248.1	228.2	221.1
Guimaras	32.1	33.4	31.3	34.7	44.2	37.5	34.6	36.7	31.8	32.9
Iloilo	9,431.0	11,323.0	11,257.0	11,380.0	12,161.0	12,148.7	12,030.5	12,395.4	12,959.0	12,910.0
Negros Occidental	4,273.4	4,309.2	4,437.8	4,302.7	4,358.8	4,160.1	3,953.9	3,958.2	4,267.1	4,625.3
CENTRAL VISAYAS	4,173.5	4,626.4	4,616.5	5,379.8	6,900.2	6,306.4	4,359.1	4,939.0	6,041.3	8,291.8
Bohol	896.2	875.3	896.9	964.0	909.8	916.0	689.8	731.3	836.1	801.3
Cebu	90.2	92.4	99.5	79.9	82.9	76.0	70.3	72.4	60.5	53.2
Negros Oriental	3,180.3	3,650.5	3,612.5	4,327.4	5,900.2	5,308.4	3,594.5	4,129.4	5,140.1	7,433.5
Siquijor	6.8	8.2	7.7	8.6	7.3	6.0	4.5	6.0	4.6	3.8
EASTERN VISAYAS	7,468.4	7,377.3	7,456.6	7,485.2	6,706.4	7,185.8	8,014.6	8,102.4	7,977.8	7,943.3
Biliran	382.3	382.4	382.9	359.4	333.0	340.9	344.3	328.0	272.0	260.0
Eastern Samar	580.9	588.9	592.7	578.9	541.4	529.5	540.5	490.6	469.0	442.3
Leyte	2,028.1	1,940.1	1,990.7	2,028.9	1,441.8	1,811.0	2,867.3	2,937.7	2,829.9	2,937.1
Northern Samar	26.8	27.7	28.5	37.6	39.1	39.3	38.6	39.7	40.9	52.3
Samar (Western Samar)	4,218.6	4,211.6	4,236.5	4,248.2	4,130.0	4,248.5	4,003.1	4,082.7	4,139.5	4,022.2
Southern Leyte	231.8	226.6	225.3	232.2	221.0	216.6	220.8	223.7	226.5	229.4
ZAMBOANGA PENINSULA	1,992.0	1,863.5	1,710.0	1,839.7	1,882.7	1,657.1	1,398.3	1,366.0	1,055.7	1,058.9
Zamboanga del Norte	1,216.9	1,013.8	949.4	1,019.4	1,135.6	1,037.9	827.7	830.7	566.0	574.4
Zamboanga del Sur	406.0	509.6	435.4	530.2	453.5	390.8	348.7	323.7	297.5	299.4
Zamboanga Sibugay	296.9	262.8	214.7	178.9	179.7	112.3	104.9	92.8	76.6	70.0
City of Zamboanga	72.1	77.4	110.5	111.2	113.8	116.2	117.0	118.9	115.6	115.1
NORTHERN MINDANAO	1,067,607.5	1,159,697.7	1,294,584.1	1,341,568.7	1,392,652.1	1,468,386.9	1,516,920.3	1,554,637.1	1,572,162.7	1,583,704.4
Bukidnon	1,027,875.0	1,118,989.0	1,279,000.0	1,328,500.0	1,355,200.0	1,420,675.0	1,462,850.0	1,484,321.0	1,499,550.0	1,512,341.0
Camiguin	11.3	4.5	3.8	3.2	2.0	1.6	1.7	2.3	2.6	2.7
Lanao del Norte	1,028.0	990.0	953.3	955.2	965.0	950.5	933.5	894.0	866.0	827.0
Misamis Occidental	15.4	10.3	11.1	11.1	10.1	9.8	12.2	13.9	16.1	17.6
Misamis Oriental	38,677.9	39,704.0	14,616.0	12,099.2	36,475.0	46,750.0	53,123.0	69,406.0	71,728.0	70,516.0
DAVAO REGION	22,839.8	25,306.0	28,161.7	28,078.7	28,097.4	26,880.3	26,300.9	25,978.3	26,716.3	26,881.8
Davao del Norte	222.0	208.9	198.2	194.1	205.0	210.2	208.0	204.4	200.1	189.4
Davao del Sur	29.6	28.5	29.0	28.3	29.2	29.8	28.4	29.2	30.0	23.0
City of Davao	21,591.3	24,289.0	27,264.4	27,467.8	27,550.4	26,352.8	25,794.4	25,479.3	26,222.2	26,399.8
Davao Oriental	202.2	200.3	184.3	163.6	164.8	158.8	159.3	164.3	164.3	165.8
Davao de Oro (Compostela Valley)	794.6	579.3	485.8	224.9	148.0	128.7	110.8	101.2	99.6	96.4
Davao Occidental	..	..	..	..	..	..	..	..	..	7.4
SOCCSKSARGEN	813,250.6	794,841.4	800,055.1	806,076.0	804,254.1	794,333.9	766,695.1	792,054.1	808,027.3	810,436.7
North Cotabato	160.8	165.2	168.2	173.0	470.9	638.6	3,872.5	13,324.8	14,301.8	14,813.4
Sarangani	58,429.0	35,451.0	33,134.0	32,155.0	28,794.0	21,859.0	21,625.0	19,100.0	16,820.0	15,920.0
South Cotabato	754,639.4	759,074.2	760,489.1	765,701.3	769,286.2	765,214.4	732,936.7	756,559.3	767,186.8	771,122.9
Sultan Kudarat	21.5	151.1	6,263.8	8,046.7	5,703.1	6,621.9	8,260.9	3,070.0	9,718.7	8,580.4
CARAGA	4,725.5	4,135.7	4,647.8	3,542.2	2,810.2	2,681.8	2,820.4	3,324.3	2,881.7	2,965.6
Agusan del Norte	2,930.3	2,724.6	3,269.7	1,987.6	1,421.6	1,283.1	1,285.8	1,525.8	1,332.0	1,386.0
Agusan del Sur	1,157.0	913.7	991.0	1,111.2	992.5	1,000.4	1,144.5	1,329.1	1,061.1	1,079.0
Dinagat Islands	..	..	..	..	8.1	7.3	6.1	4.8	7.8	6.8
Surigao del Norte	275.1	172.2	72.0	83.5	46.0	41.0	33.0	33.0	33.4	28.4
Surigao del Sur	363.0	325.3	315.0	360.0	342.0	350.0	350.9	431.7	447.5	465.5
ARMM	1,134.9	1,072.5	1,038.7	1,065.4	1,012.3	920.6	904.8	900.3	924.0	930.6
Basilan	80.7	81.7	83.4	81.0	80.3	77.5	73.5	73.7	76.4	76.8
Lanao del Sur	867.0	826.3	811.9	860.3	817.8	739.9	745.8	746.0	771.4	781.4
Maguindanao	9.9	4.7	3.7	2.8	3.2	4.0	4.0	4.0	4.1	3.6
Sulu	72.4	71.4	65.1	59.9	58.2	55.5	43.0	43.3	45.0	45.7
Tawi-tawi	105.0	88.4	74.7	61.5	52.8	43.6	38.5	33.3	27.1	23.1

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rambutan										
PHILIPPINES	**12,743.2**	**6,270.5**	**7,189.4**	**7,439.8**	**6,479.1**	**8,723.1**	**7,668.2**	**6,064.6**	**7,207.5**	**8,733.5**
CAR	43.3	31.4	46.3	46.5	63.6	79.5	87.1	74.9	69.8	70.3
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	42.0	30.0	43.0	43.0	56.5	59.5	66.0	55.4	45.4	35.2
Benguet	..	..	..	..	..	14.0	14.1	14.6	13.1	14.6
Ifugao	..	..	..	..	..	..	..	..	..	11.0
Kalinga	1.3	1.4	3.3	3.5	7.1	6.0	7.0	4.9	11.4	9.5
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	69.2	75.7	83.7	88.1	94.2	96.1	100.9	101.2	98.3	101.3
Ilocos Norte	0.4	0.6	0.6	0.7	0.5	0.7	0.9	2.5	3.0	4.0
Ilocos Sur	67.0	73.1	81.2	85.4	90.3	92.4	95.9	92.6	88.6	89.8
La Union	1.8	2.0	2.0	2.1	3.4	3.1	4.2	6.1	6.8	7.5
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	433.7	421.7	407.9	363.8	419.0	452.1	504.8	576.6	553.3	629.4
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	12.6	12.4	13.1	12.7	13.5	14.6	16.6	13.9	11.9	11.5
Isabela	45.8	31.3	33.5	40.3	54.6	58.1	71.2	54.3	38.9	33.3
Nueva Vizcaya	375.3	378.0	361.4	297.4	336.4	366.9	404.6	382.6	393.6	437.5
Quirino	..	..	..	13.4	14.5	12.5	12.6	125.8	108.9	147.1
CENTRAL LUZON	27.0	25.2	24.0	64.4	62.9	54.0	46.9	47.7	47.9	49.5
Aurora	27.0	25.2	24.0	18.4	19.4	8.4	3.6	2.0	2.1	2.9
Bataan	..	..	..	..	3.0	3.1	..	..	..	..
Bulacan	..	..	..	10.0	10.5	12.0	12.0	12.5	12.0	10.5
Nueva Ecija	..	..	..	36.0	30.0	30.5	31.3	32.5	33.1	34.6
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	0.8	0.7	1.5
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	4,384.4	2,699.8	2,774.7	2,925.6	1,588.6	1,618.0	1,784.7	2,123.1	2,217.1	2,310.9
Batangas	108.5	110.0	118.5	133.0	15.2	19.2	50.9	282.0	272.0	307.0
Cavite	9.8	10.0	14.1	13.7	12.4	12.9	13.0	11.6	10.5	11.2
Laguna	4,253.7	2,568.6	2,576.8	2,705.6	1,496.7	1,516.4	1,641.1	1,750.6	1,853.7	1,897.6
Quezon	11.5	10.4	64.6	72.3	63.3	67.7	78.1	77.2	79.3	93.1
Rizal	0.8	0.8	0.8	1.0	1.0	1.7	1.7	1.8	1.7	1.9
MIMAROPA	362.0	342.4	364.2	381.0	363.0	391.3	276.6	224.9	199.2	225.8
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	0.5
Oriental Mindoro	299.1	281.4	300.0	314.6	288.3	313.6	197.7	142.9	113.3	134.9
Palawan	62.9	61.0	64.2	66.4	74.7	77.7	78.9	82.0	86.0	90.5
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	20.9	20.2	27.9	28.0	22.5	23.6	24.2	24.5	25.5	26.9
Albay	10.5	9.9	17.4	17.5	13.3	13.9	14.5	14.4	15.2	16.8
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	1.2	1.2	1.1	1.1	1.0	1.2	1.4	1.3	1.2	1.5
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	9.2	9.2	9.4	9.4	8.2	8.6	8.4	8.8	9.1	8.7
WESTERN VISAYAS	194.4	121.2	167.9	182.0	167.8	176.4	175.6	167.5	204.2	229.9
Aklan	89.2	43.1	58.6	60.6	62.4	63.8	62.4	63.7	66.3	71.0
Antique	2.1	2.0	1.9	2.1	1.9	2.0	1.8	2.6	3.2	3.6
Capiz	31.5	27.3	29.8	24.1	13.6	18.8	21.3	18.4	28.1	37.6
Guimaras	0.6	0.5	0.8	1.0	1.0	0.9	1.3	1.4	2.2	2.0
Iloilo	5.3	4.2	7.5	20.5	15.0	12.0	10.5	9.4	12.5	11.9
Negros Occidental	65.9	44.1	69.3	73.7	73.9	79.0	78.4	72.0	91.9	103.7
CENTRAL VISAYAS	83.7	46.4	40.6	55.3	55.9	83.3	64.5	19.3	39.3	40.8
Bohol	24.0	11.0	10.9	17.2	15.4	17.0	12.6	13.0	13.9	16.5
Cebu	..	..	0.2	2.2	2.6	12.0	2.4	1.9	2.0	1.5
Negros Oriental	59.7	35.4	29.5	35.9	38.0	53.6	49.3	4.4	23.1	22.7
Siquijor	..	..	..	..	..	0.6	0.3	..	0.3	0.1
EASTERN VISAYAS	16.6	15.4	25.6	24.2	7.5	6.6	9.0	8.9	10.9	23.4
Biliran	..	..	..	..	..	..	1.6	2.0	4.5	6.2
Eastern Samar	2.5	2.5	2.5	2.1	1.9	1.7	0.0	..	0.1	0.8
Leyte	6.7	6.5	6.2	6.6	3.3	2.6	5.1	4.8	4.1	4.6
Northern Samar	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	9.6
Southern Leyte	7.2	6.2	16.7	15.4	2.1	2.2	2.1	2.1	2.1	2.2
ZAMBOANGA PENINSULA	924.0	290.3	341.7	190.6	345.4	1,907.8	1,677.8	685.7	752.2	1,877.6
Zamboanga del Norte	758.0	186.0	231.1	20.3	94.8	1,601.5	1,458.7	483.3	524.4	1,621.4
Zamboanga del Sur	156.1	99.6	103.1	149.3	167.4	177.3	98.0	83.6	92.8	98.7
Zamboanga Sibugay	8.9	3.6	6.1	19.4	81.0	126.8	118.9	116.7	132.8	155.7
City of Zamboanga	1.0	1.1	1.4	1.6	2.3	2.2	2.2	2.1	2.2	1.8
NORTHERN MINDANAO	368.9	268.5	177.8	334.0	379.9	443.5	461.6	439.2	465.2	513.0
Bukidnon	290.0	208.0	106.0	237.0	258.0	289.5	300.0	294.0	305.5	327.3
Camiguin	2.9	1.5	4.2	4.3	3.6	5.4	4.0	2.9	3.4	2.9
Lanao del Norte	14.2	11.6	13.6	15.0	16.2	21.6	34.6	26.2	30.9	34.2
Misamis Occidental	43.8	42.9	46.5	48.8	57.1	65.0	63.0	60.2	64.1	67.0
Misamis Oriental	18.0	4.5	7.5	29.0	45.0	62.0	60.0	56.0	61.3	81.8
DAVAO REGION	1,833.1	859.3	985.0	946.5	919.6	1,082.4	1,017.3	781.5	1,059.2	1,066.2
Davao del Norte	488.2	424.1	342.1	389.7	434.8	514.4	496.9	496.1	508.0	492.4
Davao del Sur	239.1	154.1	165.2	169.0	184.1	195.0	195.8	174.7	178.5	113.9
City of Davao	396.1	14.1	297.7	332.1	228.0	278.9	251.3	50.9	209.6	220.7
Davao Oriental	31.6	36.6	30.3	19.1	22.6	25.0	24.4	24.3	24.9	26.5
Davao de Oro (Compostela Valley)	678.1	230.4	149.6	36.7	50.2	69.3	48.9	35.4	138.2	106.6
Davao Occidental	..	..	..	..	..	..	..	..	..	106.1
SOCCSKSARGEN	3,844.2	995.5	1,502.9	1,600.1	1,651.7	1,531.4	950.2	363.4	905.2	936.1
North Cotabato	3,433.2	623.0	1,114.2	1,195.5	1,195.6	1,059.1	544.8	42.0	495.6	507.0
Sarangani	19.4	20.6	24.1	26.3	26.4	26.5	25.0	24.3	25.4	24.7
South Cotabato	366.1	341.4	345.6	358.2	406.5	422.0	363.8	296.4	374.8	395.4
Sultan Kudarat	25.4	10.5	19.0	20.1	23.2	23.9	16.6	0.7	9.4	9.1
CARAGA	117.6	50.7	206.2	194.7	315.3	750.5	461.5	408.5	534.2	605.3
Agusan del Norte	10.7	4.1	6.8	4.6	23.7	29.0	25.8	..	30.9	36.8
Agusan del Sur	77.1	34.2	183.1	158.6	236.0	669.2	391.6	363.4	454.9	512.3
Dinagat Islands	..	..	..	0.3	0.3	0.4	0.3	0.3	0.5	1.7
Surigao del Norte	4.3	3.5	3.3	2.3	6.3	6.6	2.8	2.0	2.3	2.2
Surigao del Sur	25.6	8.8	12.9	29.0	49.0	45.3	41.0	42.8	45.6	52.3
ARMM	20.5	7.0	13.2	15.2	22.2	26.5	25.4	17.6	26.1	27.1
Basilan	1.0	..	..	..	7.0	8.8	7.5	..	2.0	2.2
Lanao del Sur	18.2	7.0	12.2	13.4	12.3	13.4	13.4	13.5	16.2	16.4
Maguindanao	1.0	..	1.0	1.3	2.5	4.0	4.3	3.0	4.5	4.8
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	0.3	..	..	0.5	0.4	0.4	0.3	1.2	3.5	3.8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tamarind										
PHILIPPINES	**9,031.8**	**8,122.1**	**7,921.3**	**7,782.1**	**7,558.1**	**7,435.9**	**7,127.6**	**6,755.6**	**6,638.3**	**6,377.1**
CAR	13.2	13.5	13.6	13.9	8.0	8.5	8.9	10.0	10.3	10.6
Abra	13.2	13.5	13.6	13.9	8.0	8.5	8.9	10.0	10.1	10.5
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	0.2	0.1
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	2,556.0	2,524.8	2,551.7	2,577.4	2,583.7	2,592.7	2,474.1	2,596.1	2,473.2	2,286.2
Ilocos Norte	1,609.6	1,639.9	1,662.2	1,661.9	1,632.2	1,585.9	1,553.4	1,615.3	1,511.8	1,357.7
Ilocos Sur	305.1	296.2	317.5	336.9	355.1	381.6	359.1	351.0	348.1	330.1
La Union	97.7	86.9	82.2	77.3	72.6	71.5	64.5	68.0	70.0	72.6
Pangasinan	543.6	501.8	489.9	501.2	523.8	553.8	497.1	561.8	543.2	525.7
CAGAYAN VALLEY	2,109.4	1,557.6	1,409.4	1,441.0	1,304.3	1,388.2	1,279.7	836.3	850.4	807.6
Batanes	..	..	2.7	2.8	1.9	1.0	1.0	..	..	..
Cagayan	739.8	669.6	704.1	739.4	679.8	721.1	632.1	297.0	326.9	285.0
Isabela	807.4	516.8	435.2	444.4	427.8	444.0	466.3	360.4	369.2	357.8
Nueva Vizcaya	381.3	297.2	185.0	176.3	120.3	148.2	130.3	129.2	114.6	116.9
Quirino	181.0	74.0	82.5	78.0	74.5	74.0	50.0	49.7	39.7	47.9
CENTRAL LUZON	1,676.8	1,620.0	1,595.0	1,573.0	1,600.0	1,407.0	1,417.9	1,422.3	1,446.2	1,485.5
Aurora	..	..	..	..	..	..	..	0.8	1.1	1.1
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	281.0	272.5	269.5	259.5	270.0	284.0	289.0	288.8	288.0	290.0
Nueva Ecija	90.6	90.1	92.3	89.3	101.9	104.0	106.4	104.4	106.9	111.4
Pampanga	14.0	16.3	15.5	16.5	15.0	15.5	15.8	16.7	16.8	19.4
Tarlac	845.7	838.1	839.1	837.4	836.5	632.9	645.2	715.3	735.3	753.8
Zambales	445.5	403.0	378.7	370.3	376.6	370.6	361.6	296.3	298.2	309.8
CALABARZON	138.6	105.6	107.6	112.3	94.5	98.2	93.8	82.4	76.8	67.3
Batangas	55.1	25.0	30.0	34.5	21.0	26.0	21.2	16.9	15.0	9.6
Cavite	14.3	14.0	15.0	14.1	15.0	8.6	8.5	6.4	5.5	4.4
Laguna	10.5	10.5	10.6	10.7	8.7	8.2	7.5	7.3	6.7	6.1
Quezon	39.0	35.9	32.8	31.8	30.5	32.9	34.6	31.4	28.0	24.7
Rizal	19.8	20.2	19.2	21.3	19.3	22.5	22.0	20.4	21.6	22.6
MIMAROPA	196.5	196.0	201.0	188.9	179.1	173.5	170.0	175.2	176.6	168.2
Marinduque	26.7	27.2	28.4	28.2	27.8	27.5	25.2	21.9	22.4	21.9
Occidental Mindoro	54.0	56.7	64.5	65.1	63.2	62.2	63.4	75.5	76.6	76.7
Oriental Mindoro	3.6	3.5	3.4	3.5	3.5	3.4	2.8	2.4	2.4	2.6
Palawan	57.9	55.8	56.2	45.0	46.3	47.6	48.9	50.4	50.8	47.8
Romblon	54.3	52.8	48.6	47.1	38.3	32.9	29.7	25.0	24.5	19.2
BICOL REGION	168.5	165.2	163.5	164.7	155.2	159.7	151.4	153.0	154.0	154.1
Albay	40.3	38.9	35.0	33.7	31.9	31.2	33.4	31.4	32.7	31.0
Camarines Norte	18.7	19.2	20.1	20.5	20.8	21.2	19.2	18.9	17.3	26.0
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.8	0.9	0.8
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	108.5	106.2	107.5	109.6	101.6	106.5	97.9	101.9	103.1	96.5
WESTERN VISAYAS	82.1	81.7	80.1	72.4	67.7	65.7	61.8	59.3	57.2	56.0
Aklan	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.3
Antique	2.3	2.0	1.9	1.6	1.5	1.3	1.0	1.2	1.5	1.3
Capiz	4.3	4.4	4.3	3.1	2.9	3.2	2.8	2.6	2.4	2.6
Guimaras	28.0	30.3	31.6	29.3	26.9	26.2	26.3	25.6	25.0	24.4
Iloilo	28.1	26.3	25.2	24.2	22.2	22.3	20.5	19.1	18.2	16.3
Negros Occidental	19.2	18.6	17.0	13.9	14.0	12.7	11.1	10.7	10.0	11.2
CENTRAL VISAYAS	320.1	220.2	208.5	137.4	119.0	96.2	81.1	73.5	62.7	57.7
Bohol	207.6	126.8	120.5	52.9	48.9	28.2	16.3	13.1	12.7	11.3
Cebu	41.9	41.5	48.8	55.3	55.3	58.5	58.3	56.2	46.4	43.9
Negros Oriental	67.9	50.0	37.2	27.9	13.8	8.4	5.7	3.7	3.1	2.1
Siquijor	2.7	2.0	2.0	1.4	1.0	1.1	0.8	0.5	0.5	0.5
EASTERN VISAYAS	49.7	48.1	47.0	42.5	31.4	32.2	29.4	29.2	29.3	28.4
Biliran	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.7	0.8	0.9
Eastern Samar	3.3	3.3	3.4	2.9	2.1	2.0	0.0	..	..	..
Leyte	19.4	19.0	18.3	15.3	6.7	6.9	8.3	7.4	7.3	6.7
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	21.2	21.1	21.0	21.1	20.0	20.5	19.3	19.8	20.0	19.7
Southern Leyte	5.1	3.8	3.4	2.8	2.1	2.3	1.3	1.2	1.2	1.2
ZAMBOANGA PENINSULA	212.3	190.3	179.2	156.6	149.6	153.2	138.6	118.2	109.4	106.7
Zamboanga del Norte	152.0	136.9	126.7	108.0	102.5	108.4	95.8	78.6	69.8	67.7
Zamboanga del Sur	24.7	20.4	18.0	15.3	14.2	13.7	12.6	8.5	8.8	8.4
Zamboanga Sibugay	7.0	7.0	8.7	7.7	7.1	6.1	5.8	7.9	8.0	7.9
City of Zamboanga	28.6	26.0	25.9	25.6	25.8	24.9	24.4	23.2	22.8	22.7
NORTHERN MINDANAO	41.3	31.1	27.1	21.5	18.2	17.1	16.1	13.8	12.2	10.6
Bukidnon	12.5	9.9	6.4	5.6	5.1	3.5	3.3	3.1	2.8	2.6
Camiguin	0.2	0.2	0.9	1.1	1.1	0.9	0.9	0.8	0.6	0.5
Lanao del Norte	3.6	3.5	3.7	3.9	3.6	4.5	3.8	3.3	2.9	2.4
Misamis Occidental	3.6	4.2	4.3	4.3	5.1	5.3	5.1	3.9	3.5	3.1
Misamis Oriental	21.4	13.3	11.9	6.6	3.3	3.0	2.9	2.7	2.4	2.1
DAVAO REGION	1,208.2	1,127.4	1,102.6	1,043.1	1,011.6	1,015.1	1,007.2	992.7	990.0	955.5
Davao del Norte	55.9	49.5	51.4	53.9	55.4	57.6	59.7	56.6	53.6	51.6
Davao del Sur	985.9	924.1	898.1	885.1	866.7	870.0	860.9	853.2	853.8	823.6
City of Davao	44.9	31.4	43.3	46.1	37.8	35.1	34.9	34.4	33.2	31.2
Davao Oriental	24.3	22.0	20.5	24.4	25.0	25.1	26.0	27.0	27.4	27.6
Davao de Oro (Compostela Valley)	97.2	100.5	89.3	33.6	26.8	27.3	25.8	21.5	22.0	21.5
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	252.2	240.7	234.9	235.9	235.3	228.1	196.4	192.4	188.9	181.5
North Cotabato	125.8	111.6	104.7	96.2	90.6	86.4	67.6	59.7	57.2	56.0
Sarangani	42.1	42.7	44.5	50.1	52.6	50.7	48.2	49.4	47.8	48.4
South Cotabato	43.8	45.2	43.2	44.5	45.7	45.9	41.3	43.9	45.7	42.0
Sultan Kudarat	40.5	41.2	42.7	45.1	46.5	45.1	39.3	39.3	38.2	35.1
CARAGA	5.9	..	..	1.0	..	0.3	0.9	1.0	1.1	1.2
Agusan del Norte	1.4	..	..	..	..	..	0.0	0.0	0.0	0.0
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	4.2	..	..	..	..	0.3	0.0	0.2	0.2	0.1
Surigao del Sur	0.3	..	..	1.0	..	..	0.9	0.9	0.9	1.0
ARMM	1.1	..	..	0.7	0.7	0.3	0.3	0.3	0.2	0.2
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	1.1	..	..	0.1	0.2	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	0.6	0.5	0.3	0.3	0.3	0.2	0.2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Watermelon										
PHILIPPINES	**110,238.4**	**101,523.7**	**105,095.4**	**130,005.1**	**131,529.6**	**148,030.4**	**143,880.4**	**147,319.5**	**150,524.5**	**143,476.7**
CAR	377.7	376.4	375.0	372.0	117.6	141.0	140.2	141.8	142.0	143.1
Abra	377.7	376.4	375.0	372.0	117.6	141.0	140.2	141.8	140.5	142.6
Apayao	..	..	..	..	..	..	..	..	1.5	0.5
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	22,247.4	24,567.1	23,840.2	23,864.8	24,707.0	26,935.8	26,697.9	26,094.7	29,335.2	29,438.9
Ilocos Norte	3,999.6	4,113.9	4,305.0	4,525.7	4,628.7	4,824.4	4,759.6	4,872.7	4,707.6	4,511.8
Ilocos Sur	862.3	738.4	803.1	870.2	898.4	903.4	933.3	964.8	997.8	1,010.1
La Union	318.4	284.3	401.1	428.4	469.1	739.9	859.4	992.7	893.4	830.8
Pangasinan	17,067.1	19,430.5	18,331.1	18,040.5	18,710.9	20,468.2	20,145.7	19,264.6	22,736.5	23,086.2
CAGAYAN VALLEY	10,450.9	9,541.2	10,353.1	11,539.0	7,097.2	7,416.0	6,992.5	9,644.4	9,923.7	7,665.7
Batanes	..	..	54.5	55.8	29.9	9.8	6.4	1.9	1.9	2.3
Cagayan	9,505.7	8,369.3	8,652.9	10,130.3	5,783.8	6,045.6	5,468.5	7,960.2	8,120.4	5,994.1
Isabela	945.2	1,164.0	1,640.8	1,350.6	1,282.3	1,353.7	1,473.4	1,628.6	1,742.8	1,591.8
Nueva Vizcaya	..	8.0	5.0	2.3	1.3	6.9	41.7	39.7	39.2	51.5
Quirino	..	..	..	..	..	..	2.6	14.0	19.4	26.0
CENTRAL LUZON	7,233.1	6,505.2	6,548.0	7,537.5	6,766.9	7,102.9	6,850.9	7,307.2	7,285.7	7,897.2
Aurora	6.0	6.2	6.7	33.1	21.2	22.2	30.0	58.0	14.5	5.0
Bataan	1,785.7	1,647.0	1,575.0	1,370.0	1,302.0	1,246.0	965.0	1,051.0	1,147.3	1,402.8
Bulacan	1,810.0	1,201.0	1,164.0	2,167.0	1,095.0	1,521.0	1,593.0	1,710.0	1,750.0	1,898.8
Nueva Ecija	2,249.9	2,245.3	2,235.9	2,253.6	2,265.1	2,302.4	2,257.6	2,427.9	2,255.3	2,392.6
Pampanga	435.0	485.0	547.5	560.0	585.0	513.0	546.5	587.7	597.0	624.5
Tarlac	356.5	361.2	299.0	309.8	581.2	578.3	549.7	579.8	628.4	736.4
Zambales	590.0	559.6	720.0	844.0	917.5	920.0	909.1	892.8	893.2	837.2
CALABARZON	3,454.0	2,580.9	2,876.0	2,754.8	2,950.7	2,950.0	2,899.2	2,381.8	2,453.7	2,348.7
Batangas	..	..	..	..	..	..	..	7.0	..	..
Cavite	55.4	51.2	598.0	633.0	687.8	314.1	305.6	253.0	232.7	217.6
Laguna	2,439.8	1,581.6	1,439.8	1,230.4	1,293.9	1,724.3	1,748.3	1,234.3	1,174.3	1,220.4
Quezon	610.4	600.1	491.2	543.4	615.0	496.5	478.7	502.4	693.9	535.6
Rizal	348.4	348.0	347.0	348.0	354.0	415.0	366.6	385.1	352.8	375.0
MIMAROPA	2,298.2	2,337.6	2,542.0	2,644.4	2,934.4	3,191.8	3,413.0	3,522.8	3,569.5	3,562.5
Marinduque	308.5	291.9	276.2	259.4	267.7	273.0	292.1	318.1	331.7	339.4
Occidental Mindoro	167.1	176.6	190.9	273.5	339.8	343.3	433.9	480.8	435.9	434.5
Oriental Mindoro	233.6	199.8	319.3	249.2	243.3	278.7	235.6	177.4	197.0	216.3
Palawan	1,483.9	1,563.3	1,648.1	1,752.7	1,969.5	2,181.8	2,340.2	2,429.9	2,489.4	2,471.3
Romblon	105.0	106.0	107.6	109.5	114.0	115.0	111.3	116.7	115.6	101.1
BICOL REGION	4,670.7	5,103.6	5,341.4	5,421.3	5,423.8	5,597.7	5,756.4	5,685.6	6,513.7	6,424.8
Albay	134.0	123.0	113.0	105.3	94.7	98.0	88.2	95.6	99.5	95.2
Camarines Norte	4,476.0	4,927.0	5,175.0	5,252.2	5,248.0	5,408.7	5,583.3	5,503.3	6,321.2	6,233.9
Camarines Sur	14.3	8.9	3.2	3.2	12.4	11.4	11.9	6.0	10.2	10.7
Catanduanes	7.2	7.0	7.3	7.4	7.5	7.3	7.7	7.5	7.6	7.4
Masbate	4.5	4.0	4.3	4.8	5.5	5.5	5.2	5.8	5.8	6.2
Sorsogon	34.7	33.7	38.8	48.4	55.7	66.9	60.2	67.4	69.4	71.5
WESTERN VISAYAS	49,139.8	42,928.8	44,635.4	66,493.9	71,516.3	83,876.5	79,960.8	81,380.6	79,213.3	72,574.9
Aklan	249.8	213.8	193.6	80.0	110.5	190.1	230.3	270.4	310.6	336.9
Antique	716.5	607.4	513.9	534.3	551.8	570.3	617.1	778.1	953.4	987.7
Capiz	111.9	103.7	99.3	106.4	114.7	148.0	129.5	111.6	85.3	131.5
Guimaras	81.8	75.4	108.7	120.4	126.2	131.2	161.4	212.1	205.3	199.3
Iloilo	47,355.0	41,284.0	43,209.0	65,118.6	70,069.0	82,296.0	78,362.7	79,456.5	77,019.9	70,208.5
Negros Occidental	624.9	644.5	511.0	534.3	544.1	541.0	459.9	551.9	639.0	711.2
CENTRAL VISAYAS	1,437.8	818.1	883.3	995.5	1,071.9	1,166.6	1,284.7	1,455.2	1,545.4	1,585.7
Bohol	1,348.0	784.9	807.0	902.4	962.1	1,052.0	1,163.3	1,350.2	1,438.5	1,458.0
Cebu	40.0	26.2	61.7	75.0	93.2	101.5	104.5	87.7	92.3	88.8
Negros Oriental	41.6	..	..	6.0	5.3	5.2	4.1	3.4	3.2	30.0
Siquijor	8.2	7.0	14.7	12.1	11.3	7.9	13.0	13.9	11.4	8.9
EASTERN VISAYAS	798.7	777.8	775.5	721.3	647.9	700.0	675.7	646.0	666.3	669.1
Biliran	35.3	34.8	34.6	31.5	26.0	26.1	23.9	22.9	28.6	29.3
Eastern Samar	35.5	35.6	39.7	41.5	33.5	35.6	32.6	20.2	19.5	16.6
Leyte	316.5	305.6	300.4	231.1	183.8	209.0	200.0	178.0	187.5	152.2
Northern Samar	37.4	39.4	40.3	41.5	43.3	46.5	49.9	52.4	54.6	88.5
Samar (Western Samar)	249.0	246.8	244.0	257.2	243.0	253.8	239.2	244.2	247.3	252.1
Southern Leyte	125.1	115.6	116.6	118.7	118.4	129.0	130.1	128.3	128.9	130.5
ZAMBOANGA PENINSULA	997.9	665.1	542.9	532.0	487.2	637.7	866.4	818.6	733.0	791.9
Zamboanga del Norte	191.8	78.0	26.4	32.6	26.0	180.4	197.4	130.2	90.7	98.1
Zamboanga del Sur	662.7	468.0	407.8	419.9	396.8	416.0	631.0	649.3	601.3	648.8
Zamboanga Sibugay	141.1	117.1	105.5	76.1	60.9	28.5	23.8	25.5	25.5	29.6
City of Zamboanga	2.3	2.1	3.3	3.4	3.4	12.7	14.1	13.6	15.4	15.4
NORTHERN MINDANAO	1,241.0	1,129.3	1,277.8	1,502.9	1,889.7	2,023.7	2,246.6	2,258.0	2,266.0	2,353.0
Bukidnon	99.0	87.0	87.0	135.0	130.0	96.0	239.0	260.0	271.5	280.0
Camiguin	34.9	10.0	8.9	13.3	19.1	26.5	20.4	19.1	29.3	26.3
Lanao del Norte	845.0	900.0	970.0	1,020.0	1,030.0	1,171.0	1,183.0	1,135.0	1,093.0	1,073.0
Misamis Occidental	85.7	92.3	99.0	110.6	130.6	144.2	150.0	159.9	169.5	169.7
Misamis Oriental	176.4	40.0	113.0	224.0	580.0	586.0	654.3	684.0	702.8	804.0
DAVAO REGION	1,022.6	970.1	964.4	874.5	1,096.3	1,069.6	1,090.1	1,177.1	1,225.9	1,233.3
Davao del Norte	101.7	103.7	114.7	116.9	134.5	167.0	197.8	193.1	195.3	215.2
Davao del Sur	356.6	378.9	391.5	372.6	378.6	372.4	377.9	386.2	397.5	382.1
City of Davao	316.7	240.9	224.4	209.3	215.2	207.6	181.4	205.6	228.7	179.7
Davao Oriental	202.6	195.8	184.3	133.4	276.1	228.1	237.2	281.4	296.7	320.4
Davao de Oro (Compostela Valley)	45.0	50.8	49.5	42.5	92.0	94.6	95.9	110.7	107.7	115.7
Davao Occidental	..	..	..	..	..	..	..	..	..	20.1
SOCCSKSARGEN	1,815.5	1,276.0	1,397.6	1,761.1	1,982.1	2,131.5	2,387.6	2,298.9	2,638.7	3,186.4
North Cotabato	434.3	372.4	366.1	327.1	365.6	378.3	301.4	468.1	590.0	711.0
Sarangani	66.6	56.5	62.0	83.5	93.5	75.0	75.1	58.5	56.6	57.8
South Cotabato	1,018.0	622.3	710.4	779.8	966.8	1,120.2	1,456.5	1,351.1	1,528.6	1,886.3
Sultan Kudarat	296.6	224.7	259.1	570.8	556.3	558.1	554.6	421.3	463.6	531.3
CARAGA	2,900.4	1,914.1	2,697.5	2,943.3	2,793.6	3,009.8	2,535.0	2,425.7	2,903.2	3,479.1
Agusan del Norte	104.7	66.2	681.1	614.7	526.0	446.1	426.5	429.3	418.0	438.1
Agusan del Sur	276.6	82.3	68.5	77.4	263.8	338.3	312.3	292.8	425.5	556.6
Dinagat Islands	..	..	..	348.4	284.0	243.0	225.6	224.1	356.1	726.8
Surigao del Norte	1,939.2	1,438.9	1,685.8	1,560.6	1,313.8	1,699.3	1,111.7	1,007.7	1,107.8	1,115.2
Surigao del Sur	580.0	326.7	262.0	342.3	406.0	283.2	459.0	471.8	595.7	642.5
ARMM	152.6	32.5	45.3	46.7	47.0	80.0	83.4	81.1	109.4	122.5
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	12.2	12.5	11.3	13.2	13.5	14.7	15.8	15.9	16.9	18.1
Maguindanao	140.4	20.0	34.0	33.5	33.5	65.3	67.7	65.2	92.5	104.4
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Asparagus										
PHILIPPINES	**4,636.5**	**3,443.1**	**4,105.8**	**3,213.0**	**2,939.4**	**2,742.1**	**2,172.3**	**1,903.9**	**1,648.3**	**1,328.9**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	..	..	..	..	..	..	..	..	..
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	..	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	1.1	1.5	1.9	2.0	2.0	3.3	4.8	14.4	17.0	21.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	1.1	1.5	1.9	2.0	2.0	3.3	4.8	14.4	17.0	21.0
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	1.6	2.0	1.9	1.9	1.5	1.3	1.3	1.2	1.2	1.1
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	1.6	2.0	1.9	1.9	1.5	1.3	1.3	1.2	1.2	1.1
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	3.6	4.1	4.4	4.1	3.7	2.1	0.9	0.9	0.9	0.8
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	3.6	4.1	4.4	4.1	3.7	2.1	0.9	0.9	0.9	0.8
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	7.5	3.0	..	..	..	..	0.4	1.7	1.7	1.7
Bukidnon	7.5	3.0	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	0.4	1.7	1.7	1.7
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	4,622.8	3,432.5	4,097.7	3,205.0	2,932.2	2,735.4	2,165.0	1,885.8	1,627.5	1,304.2
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	4,622.8	3,432.5	4,097.7	3,205.0	2,932.2	2,735.4	2,165.0	1,885.8	1,627.5	1,304.2
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ampalaya Fruit										
PHILIPPINES	**88,437.3**	**86,599.3**	**87,090.4**	**89,886.6**	**90,110.8**	**88,917.5**	**87,459.9**	**89,459.7**	**87,395.2**	**89,341.0**
CAR	453.8	455.1	472.3	490.7	471.3	475.0	442.3	453.8	419.9	426.0
Abra	328.4	328.3	331.8	326.5	301.7	308.0	302.2	311.0	296.6	296.2
Apayao	7.8	7.9	14.9	24.0	30.2	34.8	27.4	32.1	29.8	30.4
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	55.7	56.0	55.6	55.7	56.8	58.9	57.4	58.7	49.9	40.6
Kalinga	58.2	59.2	66.3	81.0	79.0	73.4	55.3	52.0	43.6	58.8
Mountain Province	3.7	3.7	3.7	3.6	3.7	..	..	..	..	..
ILOCOS REGION	9,914.9	9,628.7	9,617.7	9,844.1	9,941.7	9,991.8	9,622.4	10,028.6	10,004.8	10,307.3
Ilocos Norte	2,854.2	2,915.5	2,997.9	3,133.0	3,095.5	3,118.5	3,182.9	3,265.4	3,322.5	3,375.7
Ilocos Sur	1,926.5	1,917.4	1,969.1	2,013.0	1,982.0	2,040.3	2,062.0	2,107.7	2,120.7	2,227.6
La Union	1,774.6	1,762.9	1,737.6	1,785.0	1,970.0	2,041.4	2,065.0	2,039.2	2,025.5	2,086.5
Pangasinan	3,359.7	3,033.0	2,913.1	2,913.0	2,894.2	2,791.7	2,312.4	2,616.4	2,536.2	2,617.6
CAGAYAN VALLEY	6,450.2	6,610.1	6,669.4	6,893.6	6,571.8	6,233.8	5,714.1	5,751.5	5,177.7	5,060.8
Batanes	..	..	31.2	23.7	22.3	12.1	12.3	7.5	5.9	5.7
Cagayan	1,691.2	1,771.5	1,888.3	1,974.1	1,917.7	1,639.2	1,427.0	1,418.0	1,322.9	1,260.2
Isabela	3,135.7	3,367.7	3,359.7	3,541.5	3,226.3	3,263.8	3,052.0	3,167.1	2,736.2	2,681.2
Nueva Vizcaya	1,374.3	1,260.8	1,184.8	1,150.8	1,193.6	1,120.4	1,026.9	970.8	968.2	990.7
Quirino	249.0	210.1	205.5	203.5	211.9	198.3	195.8	188.1	144.6	122.9
CENTRAL LUZON	25,750.0	25,034.1	25,281.1	25,140.8	25,304.5	25,553.6	25,112.3	25,717.2	24,514.2	25,875.6
Aurora	181.5	181.8	181.9	171.0	195.6	198.3	181.2	204.3	177.6	148.8
Bataan	109.3	112.0	111.4	116.7	148.2	148.3	143.0	152.3	141.5	201.4
Bulacan	3,979.0	3,999.0	4,025.0	3,922.0	4,144.0	4,282.0	4,143.4	4,391.0	4,521.0	4,801.5
Nueva Ecija	12,997.5	12,821.5	12,977.3	13,125.0	12,870.0	13,001.2	12,634.7	11,867.4	10,187.3	10,380.4
Pampanga	6,996.0	6,648.0	6,685.0	6,555.0	6,601.0	6,578.0	6,715.6	7,650.8	7,965.8	8,735.7
Tarlac	1,258.2	1,040.4	1,043.9	989.2	1,023.0	989.9	959.0	1,105.7	1,156.1	1,258.8
Zambales	228.4	231.5	256.6	262.0	322.8	356.0	335.3	345.8	364.9	349.1
CALABARZON	24,003.6	24,029.8	24,224.1	24,194.1	22,315.3	21,272.2	21,322.6	20,878.4	20,229.9	20,747.1
Batangas	4,579.0	6,043.0	5,540.0	5,643.5	5,779.0	5,262.5	5,866.7	6,024.7	6,379.0	5,587.7
Cavite	3,132.9	3,018.8	3,109.3	3,049.1	2,760.6	2,671.2	2,561.2	2,491.0	2,180.7	2,120.6
Laguna	1,673.6	1,698.5	1,612.2	1,616.6	1,157.5	1,312.4	1,186.9	1,182.5	1,193.7	1,135.8
Quezon	14,489.0	13,138.6	13,830.0	13,748.1	12,478.4	11,869.3	11,563.4	11,044.6	10,329.8	11,769.5
Rizal	129.2	130.9	132.6	136.9	139.8	156.8	144.5	135.6	146.7	133.5
MIMAROPA	535.9	562.3	598.1	872.4	1,047.8	1,163.5	1,239.6	1,655.7	1,646.2	1,522.3
Marinduque	154.9	155.9	160.8	165.0	161.6	175.1	179.8	183.7	187.9	187.8
Occidental Mindoro	147.0	140.9	147.7	236.4	249.5	309.4	321.6	315.1	318.2	317.1
Oriental Mindoro	46.7	49.4	49.9	146.1	211.7	198.1	234.7	587.6	553.0	433.3
Palawan	78.6	102.2	125.8	206.5	291.2	344.6	365.4	404.4	413.6	413.5
Romblon	108.7	113.9	114.0	118.5	133.9	136.3	138.2	165.0	173.7	170.6
BICOL REGION	2,895.0	2,816.4	2,939.8	3,095.1	2,746.2	2,695.4	2,798.2	2,900.0	3,002.2	3,146.4
Albay	841.5	806.4	872.7	944.5	663.7	626.1	648.4	679.8	697.4	682.5
Camarines Norte	309.0	300.0	314.8	325.0	300.7	311.1	314.4	298.8	300.0	310.2
Camarines Sur	940.3	899.2	909.6	918.7	906.9	920.1	1,012.1	1,080.3	1,155.2	1,255.5
Catanduanes	15.9	15.8	15.7	16.0	15.7	14.9	14.4	9.7	12.5	12.1
Masbate	667.2	666.3	691.8	769.2	740.5	701.9	695.7	715.6	719.5	786.6
Sorsogon	121.0	128.7	135.3	121.7	118.8	121.4	113.3	115.8	117.7	99.4
WESTERN VISAYAS	2,652.5	2,720.3	2,718.6	2,634.9	2,725.8	2,808.7	2,851.4	3,043.4	3,082.9	3,002.8
Aklan	277.1	275.1	270.0	234.2	211.3	199.1	190.7	183.4	176.6	168.9
Antique	294.2	299.2	319.2	298.9	316.4	328.5	330.1	408.7	425.2	466.2
Capiz	419.1	438.1	481.2	455.8	456.9	526.0	526.3	562.8	568.8	594.2
Guimaras	164.0	166.9	176.2	175.2	174.5	192.7	191.9	235.6	245.8	257.6
Iloilo	830.0	852.0	801.0	810.5	889.0	884.0	931.0	976.1	991.5	838.0
Negros Occidental	668.1	689.0	671.0	660.3	677.6	678.5	681.5	676.8	675.0	677.9
CENTRAL VISAYAS	4,154.7	3,226.7	2,810.6	3,721.0	4,119.1	3,970.7	3,716.9	3,852.5	3,881.7	3,794.8
Bohol	2,211.7	1,315.6	877.7	917.8	1,143.7	1,130.2	1,050.7	1,340.7	1,338.1	1,244.4
Cebu	1,344.2	1,328.7	1,378.9	1,318.6	1,446.4	1,369.8	1,356.7	1,405.7	1,350.5	1,266.2
Negros Oriental	546.3	522.0	497.7	1,427.5	1,471.8	1,413.6	1,259.4	1,055.7	1,142.9	1,237.6
Siquijor	52.4	60.4	56.4	57.1	57.2	57.1	50.2	50.4	50.3	46.7
EASTERN VISAYAS	1,177.0	1,180.4	1,196.4	1,182.1	1,083.4	1,119.3	1,112.9	1,101.8	1,090.0	1,035.3
Biliran	70.9	71.2	71.3	70.9	67.1	67.3	67.8	68.5	61.5	50.8
Eastern Samar	33.8	33.7	34.2	28.6	26.6	20.5	19.9	16.5	12.2	11.3
Leyte	712.7	714.2	726.1	718.6	624.2	663.4	657.0	647.6	643.9	594.7
Northern Samar	102.9	105.6	108.5	114.3	118.5	117.4	111.2	113.2	115.0	116.8
Samar (Western Samar)	122.5	124.3	126.3	130.3	127.2	135.3	137.0	141.6	142.6	146.4
Southern Leyte	134.2	131.4	130.0	119.4	119.8	115.4	120.0	114.4	114.9	115.5
ZAMBOANGA PENINSULA	2,717.4	2,678.5	2,718.5	3,618.8	5,294.4	5,248.3	5,180.1	5,083.7	5,238.6	5,279.1
Zamboanga del Norte	247.3	264.9	270.0	308.3	317.1	313.5	307.9	286.9	273.1	297.6
Zamboanga del Sur	338.6	316.3	320.5	539.6	731.5	771.8	783.2	807.0	804.1	768.6
Zamboanga Sibugay	137.8	130.3	139.0	149.8	165.1	166.5	174.5	184.2	192.3	187.1
City of Zamboanga	1,993.9	1,967.1	1,989.0	2,621.1	4,080.6	3,996.5	3,914.5	3,805.7	3,969.1	4,025.8
NORTHERN MINDANAO	2,449.1	2,650.7	2,735.9	2,828.1	2,922.0	2,882.3	2,899.2	3,023.3	3,118.9	3,190.7
Bukidnon	436.0	460.0	475.0	497.0	500.0	505.0	518.0	536.0	549.5	561.0
Camiguin	36.5	39.8	39.6	36.2	34.8	41.3	37.6	41.6	39.5	38.3
Lanao del Norte	489.0	501.5	513.0	525.0	527.6	523.4	542.7	540.5	551.6	561.0
Misamis Occidental	316.9	339.5	343.3	354.9	355.6	359.6	356.0	366.2	376.0	387.9
Misamis Oriental	1,170.7	1,309.8	1,365.0	1,415.0	1,504.0	1,453.0	1,445.0	1,539.1	1,602.3	1,642.5
DAVAO REGION	2,631.7	2,530.1	2,504.4	2,607.8	2,802.8	2,802.1	2,725.8	2,835.1	2,820.7	2,853.1
Davao del Norte	286.5	278.4	280.9	280.9	284.7	287.6	302.7	301.5	296.7	304.7
Davao del Sur	487.2	467.5	476.2	475.4	499.1	500.4	502.7	580.8	564.7	518.4
City of Davao	677.8	619.3	654.7	662.9	688.0	688.0	626.5	672.3	700.7	703.5
Davao Oriental	344.8	328.4	336.8	337.5	359.4	354.4	350.0	346.8	345.8	337.5
Davao de Oro (Compostela Valley)	835.5	836.5	755.8	851.1	971.6	971.8	943.9	933.8	912.9	882.9
Davao Occidental	..	..	..	..	..	..	..	..	..	106.2
SOCCSKSARGEN	1,507.6	1,532.6	1,546.3	1,606.6	1,599.5	1,511.0	1,389.8	1,362.1	1,366.7	1,239.4
North Cotabato	909.3	929.5	952.7	987.5	993.1	913.3	846.6	866.5	879.9	753.9
Sarangani	91.5	96.5	94.8	94.8	94.6	101.5	91.5	96.5	99.5	101.6
South Cotabato	188.1	199.1	185.1	212.7	209.6	196.3	195.9	191.0	199.0	186.6
Sultan Kudarat	318.7	307.5	313.8	311.7	302.2	299.9	255.9	208.2	188.3	197.2
CARAGA	853.2	656.1	754.1	851.3	866.0	885.1	1,026.7	1,461.5	1,471.6	1,519.5
Agusan del Norte	130.8	123.9	153.4	203.7	211.0	174.5	172.5	172.7	208.6	221.9
Agusan del Sur	399.2	354.8	410.6	454.8	466.3	513.7	650.0	1,074.0	1,035.0	1,066.5
Dinagat Islands	..	..	..	8.4	5.1	4.4	3.6	4.0	10.4	12.1
Surigao del Norte	72.2	30.0	45.0	31.5	31.1	25.0	19.4	25.6	26.7	26.7
Surigao del Sur	251.0	147.4	145.0	153.0	152.5	167.5	181.2	185.2	190.9	192.4
ARMM	290.8	287.6	303.1	305.3	299.3	304.7	305.7	311.1	329.1	340.8
Basilan	23.5	24.0	24.5	24.9	24.4	24.4	24.0	24.9	25.4	24.0
Lanao del Sur	102.8	99.8	109.2	114.0	108.5	113.0	113.7	114.2	116.8	120.0
Maguindanao	93.4	89.6	91.5	91.6	92.9	94.6	97.9	100.0	111.5	121.0
Sulu	37.4	40.0	42.0	41.8	42.9	43.3	39.3	41.2	43.2	42.6
Tawi-tawi	33.7	34.2	36.0	33.0	30.7	29.5	31.0	30.8	32.2	33.2

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Broccoli										
PHILIPPINES	**2,699.5**	**2,880.9**	**2,994.0**	**3,026.4**	**3,064.3**	**2,911.1**	**2,859.0**	**3,159.1**	**2,905.6**	**3,246.4**
CAR	1,846.9	1,864.0	1,919.3	1,948.4	1,984.1	1,890.1	1,820.6	2,077.0	1,790.6	2,109.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	1,846.9	1,830.8	1,859.3	1,886.8	1,921.8	1,851.6	1,777.5	2,026.0	1,741.8	2,064.0
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	33.2	60.0	61.6	62.4	38.5	43.1	51.0	48.8	45.5
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	15.6	24.4	17.2	16.1	16.1	16.7	22.2	22.3	23.2
Batanes	..	..	2.7	2.0	1.9	1.7	0.3	0.2	0.1	0.1
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	..	15.6	21.6	15.2	14.2	14.4	16.4	22.0	22.2	23.1
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	0.5	0.6	0.5	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.5	0.6	0.5	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	4.3	1.0	1.4	1.2	6.8	0.5	0.2	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	4.3	1.0	1.4	1.2	6.8	0.5	0.2	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	2.9	6.6	7.6	7.5	6.8	11.5	10.4	9.2	10.8	10.8
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	2.9	6.6	7.6	7.5	6.8	11.5	10.4	9.2	10.8	10.8
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	160.8	204.3	245.9	222.0	167.1	169.3	168.2	151.0	147.8	149.4
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	0.8	0.3	..	..	..	..	..	..	..	..
Negros Oriental	160.0	204.1	245.9	222.0	167.1	169.3	168.2	151.0	147.8	149.4
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	0.2	0.5
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	0.2	0.3
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0.2
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	675.1	780.0	786.0	820.6	872.0	812.0	827.5	876.7	909.7	927.6
Bukidnon	650.0	735.0	750.0	790.0	815.0	765.0	785.0	833.0	864.0	881.0
Camiguin	0.1	..	..	0.1	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	2.0	..	0.1	..	..
Misamis Oriental	25.0	45.0	36.0	30.5	57.0	45.0	42.5	43.6	45.7	46.6
DAVAO REGION	8.2	7.9	7.6	8.1	9.7	9.7	12.5	18.2	18.1	19.2
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	8.2	7.9	7.6	8.1	9.7	9.7	12.5	18.2	18.1	19.2
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	1.4	1.5	1.8	1.6	1.8	1.9	2.5	4.3	5.8	6.1
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	1.4	1.5	1.8	1.6	1.8	1.9	2.5	4.3	5.8	6.1
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bottle gourd/Upo										
PHILIPPINES	**97,586.2**	**93,779.9**	**92,588.2**	**88,464.4**	**83,217.5**	**82,736.8**	**79,978.4**	**81,401.5**	**79,231.1**	**76,644.7**
CAR	1,307.1	1,308.3	1,315.6	1,292.8	1,323.8	1,200.3	1,176.8	1,211.1	1,165.1	1,147.6
Abra	1,115.0	1,114.0	1,114.4	1,084.7	1,111.0	979.8	961.2	998.2	953.3	956.3
Apayao	2.3	2.4	8.6	11.6	15.2	16.8	15.3	20.3	18.7	20.3
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	181.8	183.7	183.9	186.5	187.0	192.5	188.5	183.7	182.7	159.5
Kalinga	8.0	8.2	8.8	10.0	10.7	11.2	11.8	8.9	10.4	11.6
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	10,508.6	10,251.6	10,634.2	10,774.4	10,985.3	10,860.1	10,550.5	10,735.9	10,371.0	10,608.0
Ilocos Norte	2,944.8	2,989.0	3,031.1	3,040.6	3,067.9	3,063.5	3,150.5	3,234.3	3,181.4	3,246.5
Ilocos Sur	1,097.6	1,082.4	1,097.4	1,126.1	1,112.7	1,142.3	1,105.5	1,126.4	1,104.2	1,163.6
La Union	1,902.3	1,871.4	1,834.8	1,820.1	1,885.7	1,762.4	1,772.4	1,912.7	1,849.3	1,903.9
Pangasinan	4,563.9	4,308.9	4,670.9	4,787.7	4,919.0	4,891.8	4,522.0	4,462.5	4,236.1	4,294.0
CAGAYAN VALLEY	12,906.2	12,747.9	12,319.0	11,551.3	9,849.4	9,758.4	8,761.6	8,536.8	7,722.1	7,464.1
Batanes	..	..	24.1	24.0	21.1	15.1	11.1	13.7	11.3	11.4
Cagayan	4,155.9	4,473.7	4,710.0	5,087.8	4,535.6	4,602.2	3,822.8	3,784.4	3,262.6	2,880.8
Isabela	8,244.7	7,762.7	7,104.1	6,000.4	4,855.2	4,703.5	4,475.5	4,255.9	3,975.4	4,059.5
Nueva Vizcaya	298.1	333.7	304.7	257.1	252.4	235.2	244.2	262.0	254.0	255.4
Quirino	207.5	177.7	176.0	182.0	185.0	202.4	207.9	220.8	218.9	257.0
CENTRAL LUZON	9,636.3	9,660.9	9,687.0	9,730.8	9,245.1	9,400.4	9,670.1	10,712.3	10,489.9	10,987.7
Aurora	71.0	69.5	68.3	58.8	74.3	75.1	75.8	79.3	77.5	71.4
Bataan	85.6	80.5	74.6	69.4	95.0	93.5	88.5	97.3	95.3	86.2
Bulacan	1,921.0	1,931.0	1,902.0	1,855.0	1,963.0	2,001.0	2,177.1	2,247.0	2,282.0	2,386.9
Nueva Ecija	6,231.0	6,267.8	6,300.9	6,424.7	5,724.0	5,799.3	5,987.4	6,869.0	6,613.2	6,903.6
Pampanga	770.0	752.0	762.0	737.0	752.0	798.0	802.3	823.0	855.4	906.7
Tarlac	145.2	142.2	136.5	128.4	140.3	136.8	135.0	157.0	173.4	202.9
Zambales	412.5	418.0	442.8	457.5	496.5	496.8	403.9	439.8	393.1	430.1
CALABARZON	30,581.4	29,942.5	29,369.5	27,749.8	25,547.0	25,730.9	24,724.5	24,772.5	23,931.2	21,318.9
Batangas	16,470.5	15,630.3	15,320.1	13,960.1	13,430.2	13,911.1	14,291.3	13,934.5	13,647.1	10,909.3
Cavite	2,605.0	2,619.1	2,656.4	2,732.8	2,322.9	2,148.5	2,108.7	2,252.9	2,108.0	2,136.8
Laguna	3,918.4	3,901.6	3,824.7	3,735.3	2,396.2	2,154.6	1,883.0	1,782.1	1,819.7	1,857.9
Quezon	7,475.1	7,676.4	7,451.1	7,197.1	7,263.1	7,378.2	6,310.7	6,674.2	6,235.2	6,299.9
Rizal	112.4	115.1	117.2	124.5	134.6	138.5	130.8	128.8	121.3	115.1
MIMAROPA	486.7	506.5	517.4	559.5	583.5	623.4	620.2	722.7	729.8	751.6
Marinduque	230.0	233.2	236.9	237.6	233.1	252.8	222.9	214.2	225.2	227.2
Occidental Mindoro	34.9	34.7	37.2	46.0	50.1	61.0	78.8	91.2	87.7	99.3
Oriental Mindoro	37.1	38.6	39.3	42.8	46.7	45.3	51.1	125.7	116.2	126.2
Palawan	116.2	128.8	132.2	159.2	175.7	185.4	189.9	213.4	221.1	225.1
Romblon	68.5	71.1	71.9	73.9	78.0	78.9	77.6	78.3	79.6	73.9
BICOL REGION	3,326.5	3,222.5	3,315.4	3,416.7	3,322.5	3,331.1	3,226.5	3,279.5	3,420.7	3,141.0
Albay	691.6	663.1	676.3	729.2	650.7	646.9	645.3	650.7	660.6	609.9
Camarines Norte	1,218.0	1,211.0	1,245.0	1,267.0	1,280.6	1,328.7	1,242.0	1,290.1	1,431.7	1,212.5
Camarines Sur	75.5	75.2	75.6	76.0	75.4	76.0	78.4	82.6	84.4	83.0
Catanduanes	271.8	254.7	263.4	271.7	259.6	251.7	246.4	241.2	224.0	217.0
Masbate	843.6	792.1	819.8	839.2	822.0	789.8	782.2	778.5	780.6	810.9
Sorsogon	226.0	226.4	235.3	233.6	234.2	238.0	232.2	236.4	239.4	207.7
WESTERN VISAYAS	2,467.4	2,532.9	2,532.4	2,505.0	2,528.0	2,516.2	2,481.8	2,435.4	2,463.9	2,431.8
Aklan	64.3	62.7	65.3	56.6	43.1	40.3	32.0	32.1	31.3	30.2
Antique	58.7	42.4	31.7	34.9	34.8	31.8	34.0	37.6	38.2	36.1
Capiz	283.2	288.6	311.7	307.7	284.8	288.0	303.0	320.8	345.6	364.7
Guimaras	56.5	60.4	63.1	59.6	64.8	62.0	66.1	69.1	74.3	78.2
Iloilo	531.0	508.0	518.0	503.0	523.0	525.6	485.0	443.5	433.0	409.5
Negros Occidental	1,473.8	1,570.9	1,542.5	1,543.2	1,577.4	1,568.4	1,561.7	1,532.3	1,541.6	1,513.1
CENTRAL VISAYAS	5,682.1	4,494.0	4,167.2	3,239.3	3,003.3	2,605.9	2,298.1	2,322.6	2,224.1	2,150.4
Bohol	263.2	264.5	142.0	117.0	167.4	146.4	129.1	156.9	148.0	133.2
Cebu	4,153.6	3,050.3	2,827.8	2,643.5	2,380.0	2,049.5	1,820.5	1,808.7	1,750.7	1,701.1
Negros Oriental	1,217.2	1,127.6	1,149.4	431.5	416.3	378.5	320.0	328.0	300.3	296.2
Siquijor	48.2	51.7	47.9	47.4	39.7	31.5	28.5	29.1	25.2	19.8
EASTERN VISAYAS	3,685.1	3,730.1	3,770.1	3,480.0	3,349.7	3,449.2	3,431.0	3,310.5	3,235.7	3,105.5
Biliran	428.0	428.7	429.3	425.9	400.4	401.1	402.2	374.0	288.0	262.0
Eastern Samar	66.8	66.9	68.2	64.4	55.1	56.1	49.9	41.2	24.3	12.8
Leyte	2,295.9	2,338.3	2,380.6	2,146.0	2,053.7	2,135.4	2,118.9	2,025.8	2,048.7	1,904.9
Northern Samar	70.5	72.0	73.8	77.7	79.9	75.1	74.5	76.3	77.6	79.1
Samar (Western Samar)	640.5	653.0	654.9	656.3	649.0	670.2	672.0	688.4	693.4	743.4
Southern Leyte	183.4	171.2	163.5	109.8	111.6	111.4	113.5	104.8	103.7	103.4
ZAMBOANGA PENINSULA	6,777.8	5,832.9	5,185.6	4,152.3	3,458.8	3,311.3	3,205.8	3,231.8	3,290.3	3,353.8
Zamboanga del Norte	1,172.0	1,094.3	1,038.5	840.2	849.1	780.3	696.4	660.9	628.3	622.8
Zamboanga del Sur	984.2	648.6	477.7	335.5	341.5	279.9	273.8	274.2	281.3	289.9
Zamboanga Sibugay	1,368.6	1,163.0	768.0	546.5	260.6	213.1	203.3	206.4	208.0	194.0
City of Zamboanga	3,253.0	2,927.0	2,901.3	2,430.1	2,007.7	2,038.0	2,032.3	2,090.3	2,172.7	2,247.1
NORTHERN MINDANAO	3,467.1	3,481.8	3,537.7	3,525.2	3,498.3	3,455.5	3,484.3	3,545.6	3,589.0	3,631.8
Bukidnon	243.0	225.0	214.0	212.0	195.0	203.0	208.5	217.5	222.8	229.4
Camiguin	45.3	41.8	39.2	36.2	38.0	37.3	34.7	35.1	35.2	33.9
Lanao del Norte	1,540.0	1,498.0	1,529.0	1,537.0	1,499.0	1,474.7	1,505.1	1,511.2	1,517.5	1,514.0
Misamis Occidental	528.3	564.2	568.5	521.0	523.3	525.5	513.0	519.5	518.3	534.2
Misamis Oriental	1,110.5	1,152.8	1,187.0	1,219.0	1,243.0	1,215.0	1,223.0	1,262.3	1,295.2	1,320.3
DAVAO REGION	3,150.0	3,114.2	3,105.7	3,226.7	3,222.9	3,161.0	3,067.9	3,141.5	3,126.1	3,051.1
Davao del Norte	887.0	917.2	916.2	915.8	929.9	951.2	960.8	975.3	966.0	945.2
Davao del Sur	356.6	346.5	355.8	361.0	377.2	384.4	385.3	389.2	382.9	265.8
City of Davao	355.2	353.3	367.8	383.0	393.7	404.4	340.1	385.4	389.1	395.9
Davao Oriental	1,163.3	1,122.7	1,120.1	1,124.1	1,144.4	1,035.5	1,013.3	1,010.4	1,010.1	952.8
Davao de Oro (Compostela Valley)	388.0	374.5	346.0	442.8	377.7	385.5	368.5	381.2	378.0	370.1
Davao Occidental	..	..	..	..	..	..	..	..	..	121.5
SOCCSKSARGEN	1,444.1	1,428.3	1,438.2	1,510.6	1,508.8	1,456.3	1,325.3	1,366.8	1,316.9	1,301.9
North Cotabato	461.1	477.9	501.0	530.0	540.2	501.1	450.8	473.3	450.7	423.8
Sarangani	247.8	260.5	260.3	263.3	269.0	254.5	211.0	221.0	229.2	233.0
South Cotabato	139.3	130.8	111.0	161.9	156.4	157.6	145.6	135.6	133.0	138.0
Sultan Kudarat	595.9	559.1	566.0	555.5	543.2	543.0	517.9	536.9	504.1	507.1
CARAGA	1,322.8	715.5	839.9	904.7	945.0	1,031.1	1,117.2	1,210.9	1,274.0	1,328.2
Agusan del Norte	754.3	323.2	445.7	516.2	524.2	471.1	456.4	457.1	452.0	469.3
Agusan del Sur	251.7	216.5	243.6	258.2	295.8	431.3	535.3	632.0	681.4	712.3
Dinagat Islands	..	..	..	16.7	16.0	14.9	13.6	12.0	14.3	14.8
Surigao del Norte	219.3	110.7	86.6	48.5	43.8	38.2	33.4	34.9	35.7	37.6
Surigao del Sur	97.6	65.2	64.0	65.1	65.3	75.7	78.6	74.8	90.6	94.2
ARMM	837.1	810.0	853.3	845.4	846.2	846.1	836.9	865.8	881.3	871.3
Basilan	141.4	143.1	175.8	177.2	180.6	181.1	177.4	183.6	185.4	174.0
Lanao del Sur	146.4	145.8	155.9	159.2	153.0	153.5	154.3	154.7	154.1	152.1
Maguindanao	291.3	269.8	265.9	265.3	266.7	265.6	268.4	276.8	285.3	291.9
Sulu	204.5	207.0	213.9	207.2	210.5	212.0	202.0	214.2	223.3	220.5
Tawi-tawi	53.6	44.3	41.9	36.6	35.4	33.9	34.9	36.5	33.2	32.9

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cabbage										
PHILIPPINES	**128,964.0**	**125,309.5**	**126,380.5**	**127,463.5**	**127,986.5**	**125,752.4**	**123,080.0**	**122,474.1**	**120,655.7**	**128,050.1**
CAR	102,343.6	98,942.8	99,361.7	99,957.6	99,520.1	97,306.8	94,727.8	94,233.0	93,032.5	100,501.8
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	88,796.9	85,206.6	85,480.9	85,874.2	85,139.3	84,472.4	81,778.0	80,634.0	79,010.0	86,499.0
Ifugao	497.1	490.3	500.7	504.1	510.4	504.9	475.9	495.0	478.3	486.8
Kalinga	16.9	19.1	20.8	27.7	26.3	29.7	24.3	23.9	19.8	2.4
Mountain Province	13,032.7	13,226.9	13,359.4	13,551.6	13,844.1	12,299.7	12,449.7	13,080.1	13,524.4	13,513.6
ILOCOS REGION	2,887.5	3,012.5	3,044.0	3,159.7	3,215.1	3,257.1	3,265.2	3,300.3	3,125.9	2,985.4
Ilocos Norte	138.1	137.4	135.7	142.8	147.4	142.1	147.3	150.4	156.1	157.6
Ilocos Sur	2,742.1	2,866.9	2,900.6	3,008.7	3,058.7	3,106.5	3,112.6	3,149.9	2,969.9	2,827.8
La Union	7.4	8.1	7.8	8.1	9.0	8.5	5.2	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	1,359.8	1,273.9	1,227.9	1,183.8	1,188.7	1,537.2	1,611.7	1,665.2	1,476.5	1,307.0
Batanes	..	..	24.4	18.9	18.3	18.6	16.4	18.5	17.0	16.4
Cagayan	571.7	535.5	505.0	512.1	506.1	849.2	906.6	959.7	709.1	519.1
Isabela	37.3	24.9	12.1	3.8	19.6	23.3	19.9	8.8	5.0	3.0
Nueva Vizcaya	750.9	713.6	686.5	649.0	644.7	646.1	652.5	660.3	725.0	740.1
Quirino	..	..	..	..	..	..	16.3	18.0	20.4	28.4
CENTRAL LUZON	..	..	..	..	..	..	0.1	0.1	0.1	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.1	0.1	0.1	..
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	863.4	847.7	853.2	797.4	828.3	760.5	696.0	615.9	488.3	530.9
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	550.9	585.6	597.8	578.0	596.8	545.3	489.0	473.7	381.6	409.6
Quezon	312.5	262.1	255.4	219.4	231.5	215.2	207.0	142.2	106.7	121.3
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	27.7	27.6	27.9	28.6	29.7	32.6	32.9	33.0	26.8	27.6
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	27.7	27.6	27.9	28.6	29.7	32.6	32.9	33.0	26.8	27.6
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	282.7	264.7	255.8	239.1	186.8	112.4	113.6	111.9	106.7	102.6
Albay	199.5	184.1	176.9	165.0	116.7	105.1	105.4	99.7	97.1	94.5
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	76.6	74.2	72.2	67.4	63.9	0.5	2.0	6.4	4.3	4.1
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	6.6	6.4	6.8	6.7	6.1	6.8	6.2	5.8	5.4	4.1
WESTERN VISAYAS	476.6	484.2	488.0	451.3	440.7	484.0	449.6	487.0	528.0	494.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	49.5	55.6	61.0	56.3	55.6	49.0	46.9	55.5	73.0	66.7
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	270.4	269.0	275.1	258.2	248.0	299.8	272.5	295.5	313.3	292.0
Negros Occidental	156.7	159.7	151.9	136.8	137.0	135.2	130.1	136.0	141.8	135.3
CENTRAL VISAYAS	7,786.5	7,947.5	8,198.9	8,518.6	8,687.9	8,500.2	8,641.9	8,340.5	8,111.2	8,178.8
Bohol	..	..	..	..	..	..	63.9	145.5	125.8	126.3
Cebu	5,876.6	5,990.8	5,920.5	6,214.1	6,417.5	6,124.5	6,095.4	6,133.6	5,960.9	5,860.6
Negros Oriental	1,909.8	1,956.7	2,278.4	2,303.5	2,270.0	2,374.4	2,481.0	2,058.9	2,023.4	2,191.7
Siquijor	0.1	..	..	1.0	0.3	1.3	1.5	2.5	1.1	0.2
EASTERN VISAYAS	187.5	181.0	179.6	149.4	132.8	138.1	136.9	116.5	79.0	105.2
Biliran	89.7	86.3	86.3	84.8	80.0	80.2	80.7	58.0	21.6	26.3
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	74.6	73.0	73.2	53.7	45.0	50.7	48.9	51.4	50.4	70.3
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	1.7
Southern Leyte	23.3	21.8	20.2	10.9	7.8	7.3	7.3	7.1	7.1	7.0
ZAMBOANGA PENINSULA	313.7	317.0	325.7	534.3	773.0	792.7	821.1	789.8	774.3	774.8
Zamboanga del Norte	32.5	28.9	27.4	47.3	48.4	48.1	50.4	44.9	41.7	43.7
Zamboanga del Sur	44.8	46.2	47.3	134.7	182.2	194.6	213.8	197.8	183.3	171.8
Zamboanga Sibugay	12.9	13.3	13.3	10.4	9.9	9.5	10.6	10.7	11.4	11.2
City of Zamboanga	223.6	228.8	237.7	341.9	532.6	540.4	546.3	536.4	537.9	548.2
NORTHERN MINDANAO	5,735.5	5,751.5	6,090.8	6,296.8	6,709.7	6,672.4	6,523.7	6,806.6	6,958.9	7,035.6
Bukidnon	4,795.0	4,835.0	5,075.0	5,136.0	5,300.0	5,350.0	5,382.0	5,647.0	5,773.0	5,824.0
Camiguin	..	..	..	..	2.0	0.8	0.2	0.5	0.4	0.1
Lanao del Norte	185.0	168.0	143.0	129.0	107.5	100.3	92.0	71.9	54.3	56.5
Misamis Occidental	358.5	405.5	432.8	444.8	458.3	448.4	441.0	432.3	432.8	412.0
Misamis Oriental	397.0	343.0	440.0	587.0	841.9	773.0	608.5	655.0	698.5	743.0
DAVAO REGION	4,521.5	4,211.8	4,215.5	4,144.2	4,246.7	4,265.9	4,210.2	4,253.1	4,386.8	4,498.4
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	2,619.8	2,635.3	2,744.4	2,765.8	2,880.0	2,886.8	2,888.6	2,999.8	3,183.6	3,130.6
City of Davao	1,618.1	1,357.0	1,319.8	1,277.9	1,288.5	1,299.3	1,242.9	1,165.9	1,112.4	1,113.5
Davao Oriental	11.1	9.7	1.3	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	272.5	209.9	150.0	100.5	78.2	79.9	78.7	87.4	90.8	89.6
Davao Occidental	..	..	..	..	..	..	..	..	..	164.8
SOCCSKSARGEN	1,544.8	1,564.1	1,640.5	1,531.9	1,563.7	1,430.4	1,384.9	1,292.4	1,252.7	1,238.5
North Cotabato	1,071.0	1,086.8	1,116.9	1,005.7	1,033.7	897.1	859.0	757.6	686.2	656.4
Sarangani	95.3	69.4	65.9	56.4	51.3	42.5	36.6	32.3	20.2	11.6
South Cotabato	349.6	368.1	401.4	412.5	422.0	435.0	431.2	429.4	458.4	473.9
Sultan Kudarat	28.9	39.8	56.4	57.4	56.7	55.8	58.1	73.1	87.9	96.7
CARAGA	77.1	17.8	21.0	11.2	3.8	3.0	2.8	3.1	3.7	3.6
Agusan del Norte	54.9	..	1.1	..	..	..	..	..	..	..
Agusan del Sur	19.2	16.8	19.4	11.2	3.8	3.0	2.8	3.1	3.6	3.6
Dinagat Islands	..	..	..	..	..	..	..	..	0.0	..
Surigao del Norte	3.0	1.0	0.5	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	556.2	465.4	449.9	459.5	459.7	459.2	461.8	425.7	304.3	266.0
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	54.7	53.7	56.6	62.4	61.2	59.4	59.8	59.9	66.2	65.6
Maguindanao	501.5	411.7	393.3	397.1	398.5	399.8	402.0	365.9	238.1	200.4
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carrots										
PHILIPPINES	**72,108.9**	**67,161.7**	**68,453.9**	**68,110.8**	**68,342.1**	**67,037.0**	**65,986.9**	**65,219.4**	**64,895.7**	**65,069.7**
CAR	63,352.5	58,766.1	60,126.1	60,038.4	60,507.3	59,526.8	58,695.0	58,319.4	57,779.4	58,116.1
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	57,706.0	53,964.6	55,471.0	55,399.5	55,786.5	55,133.6	54,499.9	54,387.1	54,088.8	54,750.0
Ifugao	519.0	508.4	512.6	514.2	518.8	515.8	503.7	511.7	490.0	505.7
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	5,127.5	4,293.1	4,142.6	4,124.7	4,202.1	3,877.3	3,691.3	3,420.7	3,200.6	2,860.3
ILOCOS REGION	1.5	1.3	1.3	1.3	1.2	0.3	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	1.5	1.3	1.3	1.3	1.2	0.3	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	758.1	712.5	609.2	601.8	584.6	594.9	575.2	596.7	618.7	634.6
Batanes	..	..	15.6	9.1	12.2	9.4	7.9	8.4	6.8	7.0
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	758.1	712.5	593.6	592.8	572.4	585.5	563.3	577.4	600.3	613.9
Quirino	..	..	..	..	..	..	4.0	11.0	11.6	13.6
CENTRAL LUZON	3.8	3.6	0.5	..	..	..	0.1	0.1	0.1	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.1	0.1	0.1	..
Nueva Ecija	3.8	3.6	0.5	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	22.1	46.4	43.9	33.4	33.3	31.1	30.3	24.7	23.1	26.6
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	2.0	2.0	2.1	2.2	2.0	2.1	1.9	..	..	..
Laguna	..	0.2	..	..	..	..	..	..	..	..
Quezon	20.1	44.2	41.8	31.2	31.3	29.0	28.4	24.7	23.1	26.6
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	3.0	3.0	2.5	2.4	2.4	2.4	2.3
Marinduque	..	..	..	3.0	3.0	2.5	2.4	2.4	2.4	2.3
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	19.0	20.0	20.8	21.5	22.0	22.3	18.0	16.6	13.3	11.3
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	19.0	20.0	20.8	21.5	22.0	22.3	18.0	16.6	13.3	11.3
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	153.6	149.2	135.6	139.1	143.7	139.5	150.1	149.2	157.7	153.6
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	37.7	31.9	25.7	26.4	26.6	31.9	32.8	35.8	39.6	41.3
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	0.1	..
Iloilo	63.6	65.0	57.9	62.5	64.9	57.4	54.8	45.7	43.6	39.6
Negros Occidental	52.4	52.3	52.1	50.2	52.2	50.3	62.5	67.7	74.5	72.8
CENTRAL VISAYAS	4,515.6	4,165.3	4,168.9	3,908.7	3,632.3	3,351.4	3,211.9	2,766.2	2,885.5	2,757.4
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	2,013.3	1,741.0	1,680.5	1,534.3	1,536.4	1,452.8	1,360.5	1,319.2	1,337.9	1,246.5
Negros Oriental	2,502.4	2,424.3	2,488.4	2,374.1	2,095.9	1,898.6	1,851.4	1,447.0	1,547.6	1,510.9
Siquijor	..	..	..	0.3	..	..	..	..	..	..
EASTERN VISAYAS	13.1	12.3	12.2	11.9	11.9	11.9	11.9	4.0	1.6	2.1
Biliran	13.1	12.3	12.2	11.9	11.9	11.9	11.9	4.0	0.6	0.1
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	1.0	0.6
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	1.4
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	138.8	134.2	137.7	227.2	314.9	309.8	313.3	309.2	310.4	301.4
Zamboanga del Norte	32.0	30.8	30.5	50.4	47.9	44.8	46.1	43.4	43.5	41.2
Zamboanga del Sur	22.0	17.0	16.4	20.3	39.1	41.5	45.1	42.6	39.4	37.0
Zamboanga Sibugay	5.9	6.7	7.4	9.0	13.8	15.7	15.4	15.2	16.4	16.6
City of Zamboanga	79.0	79.7	83.5	147.5	214.1	207.9	206.7	208.0	211.2	206.5
NORTHERN MINDANAO	1,284.5	1,260.7	1,296.3	1,244.5	1,263.8	1,231.8	1,226.5	1,246.9	1,258.7	1,272.5
Bukidnon	1,085.0	1,060.0	1,115.0	1,080.0	1,100.0	1,080.0	1,096.0	1,135.0	1,161.0	1,179.0
Camiguin	..	..	..	..	..	..	0.2	0.2	..	..
Lanao del Norte	97.0	88.0	65.0	54.0	41.5	32.0	13.5	..	..	..
Misamis Occidental	76.5	84.2	91.3	95.0	97.3	95.3	92.9	87.0	71.9	65.9
Misamis Oriental	26.0	28.5	25.0	15.5	25.0	24.6	23.9	24.7	25.8	27.6
DAVAO REGION	1,406.0	1,419.5	1,422.5	1,390.0	1,308.8	1,279.5	1,240.8	1,261.9	1,323.4	1,284.2
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	932.2	1,028.5	1,042.3	1,068.6	1,088.6	1,062.8	1,070.8	1,120.9	1,182.8	1,146.2
City of Davao	116.2	103.7	112.4	105.8	112.6	115.9	82.7	84.0	86.5	86.9
Davao Oriental	11.1	10.7	11.0	11.6	14.1	13.6	13.0	13.4	13.7	13.9
Davao de Oro (Compostela Valley)	346.5	276.6	256.9	204.0	93.5	87.2	74.5	43.7	40.3	37.2
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	440.0	465.7	479.0	488.6	514.1	535.2	511.5	522.2	520.9	507.6
North Cotabato	201.3	219.1	226.7	231.5	256.4	286.9	287.6	279.8	268.5	253.0
Sarangani	134.0	135.8	136.6	137.1	136.1	134.5	109.0	116.8	121.3	123.2
South Cotabato	82.9	89.4	88.4	93.4	94.8	88.2	88.8	92.8	95.6	93.6
Sultan Kudarat	21.8	21.4	27.4	26.6	26.7	25.6	26.1	32.9	35.5	37.8
CARAGA	0.3	4.9	..	1.4	1.3	..	..	..	0.7	..
Agusan del Norte	0.3	4.9	..	..	0.1	..	..	..	..	..
Agusan del Sur	..	..	..	1.4	1.2	..	..	..	0.7	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cassava										
PHILIPPINES	**2,101,454.2**	**2,209,684.0**	**2,223,181.6**	**2,361,560.8**	**2,540,254.0**	**2,714,345.9**	**2,755,146.3**	**2,806,667.8**	**2,723,032.6**	**2,630,800.3**
CAR	1,812.8	1,670.6	2,194.0	11,621.2	12,196.6	13,377.5	16,833.0	22,287.1	22,606.0	15,518.9
Abra	36.3	35.4	36.3	39.3	46.6	48.3	47.2	48.7	49.2	48.3
Apayao	304.3	304.5	1,056.6	10,480.5	10,929.0	12,098.0	11,432.0	11,301.7	11,823.9	12,365.7
Benguet	1,184.3	1,045.6	816.5	779.1	787.4	748.2	1,074.9	1,070.1	1,039.4	1,093.3
Ifugao	77.1	70.6	73.6	77.6	187.3	140.1	3,881.7	9,507.3	9,441.7	1,830.7
Kalinga	94.8	97.4	101.4	131.0	127.0	212.4	272.0	211.1	115.1	42.4
Mountain Province	116.1	117.0	109.7	113.7	119.3	130.5	125.2	148.2	136.8	138.4
ILOCOS REGION	17,932.8	17,745.9	17,562.8	17,274.4	17,512.7	17,239.0	17,617.4	18,324.6	18,839.9	18,757.0
Ilocos Norte	3,014.2	2,707.7	2,711.3	2,805.2	2,882.5	2,938.5	3,029.5	3,072.7	3,159.3	3,196.9
Ilocos Sur	1,193.4	1,229.7	1,281.4	1,340.2	1,436.2	1,418.6	1,372.6	1,382.3	1,314.4	1,404.7
La Union	2,482.3	2,489.8	2,544.5	2,469.3	2,509.3	2,607.6	2,878.6	2,785.9	2,765.3	2,818.7
Pangasinan	11,242.9	11,318.7	11,025.7	10,659.8	10,684.7	10,274.4	10,336.6	11,083.7	11,600.9	11,336.7
CAGAYAN VALLEY	41,291.3	70,059.9	66,919.6	77,722.6	135,867.0	240,104.7	312,717.5	325,265.3	299,312.9	279,066.5
Batanes	..	..	37.2	33.3	47.9	26.7	9.7	9.2	7.6	7.2
Cagayan	5,936.8	6,498.7	6,887.2	7,544.0	9,338.9	12,966.2	20,643.6	17,940.9	14,120.8	12,320.9
Isabela	32,125.5	60,839.7	57,339.1	67,569.5	121,291.2	190,797.9	237,987.0	241,564.5	213,399.7	202,978.6
Nueva Vizcaya	579.0	580.0	773.6	758.9	896.0	1,299.0	2,334.0	2,774.0	2,725.6	2,709.7
Quirino	2,650.0	2,141.4	1,882.5	1,817.0	4,293.0	35,015.0	51,743.3	62,976.8	69,059.3	61,050.2
CENTRAL LUZON	9,449.1	10,032.3	18,428.2	18,681.8	20,504.5	20,516.5	20,954.1	21,280.0	21,233.9	22,186.5
Aurora	1,367.0	1,379.0	1,405.4	1,460.0	1,746.0	1,938.0	2,718.6	2,372.8	2,253.1	1,957.6
Bataan	232.8	233.0	2,445.0	2,645.0	2,728.0	2,640.0	2,593.0	2,441.6	2,167.9	2,094.4
Bulacan	724.5	730.0	1,730.5	1,578.0	1,670.0	1,659.0	1,855.0	1,870.0	1,892.5	1,963.4
Nueva Ecija	367.8	369.3	366.4	437.4	542.9	534.3	351.4	340.5	345.5	345.6
Pampanga	5,730.0	5,767.0	9,177.0	9,102.8	9,757.0	9,810.0	9,665.0	10,102.8	10,582.5	11,105.1
Tarlac	107.0	102.5	116.5	198.7	408.1	419.2	441.0	558.1	737.7	1,193.0
Zambales	920.0	1,451.5	3,187.5	3,260.0	3,652.5	3,516.0	3,330.1	3,594.1	3,254.7	3,527.5
CALABARZON	50,367.6	47,979.7	49,019.7	49,934.0	51,398.1	51,315.5	50,242.2	47,609.0	42,190.5	42,253.1
Batangas	6,705.0	6,454.5	6,430.0	7,357.0	9,843.0	9,318.0	8,847.1	7,816.9	7,001.6	7,604.3
Cavite	692.9	707.2	841.6	922.4	919.0	900.1	830.0	836.5	798.3	858.7
Laguna	1,900.6	1,794.4	1,953.6	2,008.1	1,969.8	1,917.7	1,956.9	1,881.0	1,937.6	2,012.0
Quezon	40,245.2	38,197.6	38,975.5	38,791.5	37,728.3	38,200.0	37,585.4	35,996.0	31,368.0	30,641.7
Rizal	824.0	826.0	819.0	855.0	938.0	979.8	1,022.8	1,078.6	1,084.9	1,136.4
MIMAROPA	12,207.2	12,858.4	13,540.6	16,705.3	19,025.5	19,722.0	19,888.2	21,883.3	21,417.1	21,210.1
Marinduque	445.1	458.9	479.1	487.1	495.6	539.3	582.3	520.8	538.3	549.4
Occidental Mindoro	4,769.6	4,878.1	5,031.1	5,154.9	5,304.4	5,436.8	5,742.9	6,217.3	6,147.2	5,423.3
Oriental Mindoro	1,875.7	1,903.5	1,857.3	3,402.4	4,993.8	5,247.2	5,234.4	6,497.2	6,109.8	6,793.4
Palawan	3,013.1	3,329.4	3,828.3	5,323.3	6,058.6	6,265.9	6,222.4	6,526.3	6,480.3	6,430.7
Romblon	2,103.8	2,288.5	2,344.9	2,337.6	2,173.1	2,232.8	2,106.2	2,121.7	2,141.5	2,013.3
BICOL REGION	114,625.0	110,020.1	111,235.7	113,789.7	109,020.9	108,629.5	105,855.2	96,708.0	87,256.2	83,382.3
Albay	14,537.5	14,051.6	13,245.6	14,135.9	13,773.7	15,912.1	17,000.1	15,545.4	15,253.4	11,945.0
Camarines Norte	3,739.0	3,818.0	3,998.5	4,102.5	4,149.6	4,448.6	4,872.2	4,215.3	4,548.5	4,746.8
Camarines Sur	85,865.2	81,885.4	82,583.4	81,259.9	76,518.5	73,726.3	69,862.1	62,050.3	52,754.0	51,237.0
Catanduanes	406.0	391.7	393.1	403.8	389.9	432.0	475.8	425.9	409.7	429.4
Masbate	2,665.3	2,527.5	2,960.2	5,669.0	6,627.0	7,223.1	7,793.4	8,675.7	8,573.4	9,857.4
Sorsogon	7,412.0	7,345.9	8,054.9	8,218.7	7,562.1	6,887.4	5,851.4	5,795.4	5,717.2	5,166.7
WESTERN VISAYAS	60,115.7	61,920.9	62,408.1	62,560.4	61,237.5	59,621.6	58,090.3	56,529.3	53,263.0	51,718.6
Aklan	8,002.3	7,996.1	7,938.0	7,396.4	7,003.9	6,849.3	6,910.8	6,886.4	6,502.9	6,346.3
Antique	3,385.0	3,368.2	3,323.3	3,385.9	3,513.3	3,591.2	3,762.9	4,159.3	4,274.0	4,090.0
Capiz	5,767.6	5,665.0	5,537.0	5,491.4	5,080.5	5,373.5	5,422.5	5,290.4	5,232.9	5,166.1
Guimaras	519.0	562.6	592.8	570.7	601.0	525.6	430.3	532.5	576.5	567.6
Iloilo	16,491.0	17,312.0	17,589.0	18,465.0	17,320.0	15,609.4	13,970.0	12,141.5	9,160.0	8,063.0
Negros Occidental	25,950.8	27,017.0	27,428.1	27,250.9	27,718.9	27,672.7	27,593.8	27,519.2	27,516.7	27,485.6
CENTRAL VISAYAS	118,668.1	128,156.4	109,571.3	90,697.6	90,556.5	114,035.5	117,954.2	98,653.1	66,236.8	51,088.4
Bohol	83,167.2	89,642.9	67,595.7	48,006.0	39,715.5	63,307.0	75,770.5	53,797.2	23,460.3	15,220.1
Cebu	16,330.9	17,275.3	20,180.9	20,407.5	21,035.4	20,256.1	17,449.2	16,765.6	16,211.5	15,233.3
Negros Oriental	15,504.8	17,922.5	18,465.7	19,203.3	26,203.2	26,982.7	21,599.5	24,749.2	23,136.9	17,931.0
Siquijor	3,665.2	3,315.7	3,329.0	3,080.9	3,602.4	3,489.7	3,134.9	3,341.1	3,428.0	2,704.1
EASTERN VISAYAS	73,392.2	78,805.4	81,918.1	90,331.3	79,975.6	84,215.7	84,854.0	85,901.3	84,829.4	83,412.0
Biliran	3,135.6	3,105.5	3,166.6	3,580.6	3,428.0	3,698.5	3,837.0	3,885.0	3,468.0	3,215.0
Eastern Samar	15,517.8	15,440.7	15,471.7	15,898.0	15,392.2	14,485.7	14,357.8	14,188.4	13,663.0	12,412.0
Leyte	31,556.7	35,506.8	37,366.1	43,853.0	35,563.4	38,886.3	40,254.7	40,750.3	40,515.9	40,651.4
Northern Samar	7,133.0	7,508.5	8,138.8	8,967.6	9,262.8	9,241.8	8,308.7	8,391.8	8,400.3	8,463.5
Samar (Western Samar)	8,135.0	9,338.0	9,808.0	10,370.0	10,171.0	11,954.8	12,236.0	12,835.0	12,928.0	12,749.4
Southern Leyte	7,914.0	7,906.0	7,967.0	7,662.1	6,158.3	5,948.8	5,859.8	5,850.9	5,854.2	5,920.6
ZAMBOANGA PENINSULA	30,746.4	30,352.4	30,053.3	52,310.2	77,185.1	81,339.4	84,013.9	90,314.6	86,691.5	83,959.5
Zamboanga del Norte	6,798.1	6,156.9	5,877.7	7,703.1	9,794.2	9,557.6	11,195.7	19,093.9	16,876.5	16,228.0
Zamboanga del Sur	12,061.1	12,251.3	12,098.7	21,060.2	33,738.5	37,452.3	38,277.3	37,479.7	35,260.2	33,655.0
Zamboanga Sibugay	2,773.5	2,802.9	2,782.8	3,600.1	4,344.8	4,739.2	4,564.5	3,633.3	3,716.9	3,472.0
City of Zamboanga	9,113.8	9,141.4	9,294.1	19,946.8	29,307.6	29,590.4	29,976.5	30,107.7	30,837.9	30,604.5
NORTHERN MINDANAO	471,510.9	551,122.5	558,954.8	601,288.5	663,579.7	728,845.1	705,334.4	736,545.6	716,913.8	688,063.3
Bukidnon	255,200.0	306,178.0	312,000.0	397,051.0	445,000.0	480,750.0	466,905.0	495,850.3	472,666.7	459,402.3
Camiguin	3,378.9	3,251.0	3,001.8	3,456.1	3,523.9	3,182.2	2,132.4	2,137.3	2,034.3	1,906.0
Lanao del Norte	23,900.0	24,350.0	24,770.0	24,599.0	23,930.0	24,162.9	24,850.0	25,511.0	24,992.0	24,760.0
Misamis Occidental	42,518.0	46,382.8	49,268.0	42,350.5	39,530.0	36,695.0	34,863.0	34,625.0	33,048.8	31,753.0
Misamis Oriental	146,514.0	170,960.7	169,915.0	133,832.0	151,595.8	184,055.0	176,584.0	178,422.0	184,172.0	170,242.0
DAVAO REGION	14,788.4	14,510.8	14,453.7	15,968.6	17,958.2	18,605.1	23,228.5	21,920.0	21,868.7	20,725.5
Davao del Norte	2,846.0	2,911.7	3,003.8	3,116.4	3,253.1	3,407.5	4,090.6	4,095.2	3,777.1	3,368.3
Davao del Sur	4,984.3	4,600.4	4,543.9	4,637.7	4,744.8	4,911.5	5,089.5	5,005.3	5,160.7	2,017.4
City of Davao	846.3	917.4	1,015.7	2,261.4	2,843.5	2,971.3	3,089.7	3,312.6	3,307.9	3,309.6
Davao Oriental	2,189.9	2,288.4	2,259.5	2,296.6	3,205.0	3,240.4	2,904.3	3,127.4	3,285.1	3,203.0
Davao de Oro (Compostela Valley)	3,921.9	3,793.0	3,630.9	3,656.5	3,911.9	4,074.4	8,054.4	6,379.5	6,337.9	6,419.1
Davao Occidental	..	..	..	..	..	..	..	..	..	2,408.1
SOCCSKSARGEN	34,555.6	43,386.0	47,851.8	89,868.2	121,822.8	114,397.7	105,021.4	103,828.5	95,109.4	89,057.4
North Cotabato	10,142.8	10,465.0	10,822.6	11,070.7	10,940.1	10,023.5	9,463.7	8,646.5	7,612.6	6,954.2
Sarangani	1,720.0	1,755.3	1,767.5	2,013.0	2,021.6	2,007.0	1,515.0	1,580.0	1,618.0	1,560.0
South Cotabato	20,690.1	28,506.0	32,855.0	74,621.6	106,580.0	100,077.6	92,392.0	91,811.5	84,841.4	80,258.4
Sultan Kudarat	2,002.7	2,659.7	2,406.7	2,162.9	2,281.1	2,289.7	1,650.7	1,790.5	1,037.4	284.8
CARAGA	41,123.9	23,609.4	20,100.8	17,699.9	17,180.8	18,201.3	24,719.9	22,145.7	21,900.0	17,674.0
Agusan del Norte	7,589.0	5,708.2	5,147.7	4,323.7	3,637.2	3,802.7	3,578.5	3,980.2	3,962.0	3,963.5
Agusan del Sur	5,693.9	3,593.8	3,792.3	4,209.7	4,729.2	5,198.9	7,864.5	5,841.4	5,888.0	5,215.9
Dinagat Islands	..	..	..	586.1	468.0	460.0	405.5	414.9	390.5	363.1
Surigao del Norte	8,401.0	4,154.2	3,265.8	2,535.5	2,100.3	2,070.6	1,967.2	2,018.4	2,003.1	1,824.0
Surigao del Sur	19,440.0	10,153.1	7,895.0	6,045.0	6,246.0	6,669.1	10,904.2	9,890.8	9,656.4	6,307.5
ARMM	1,008,867.3	1,007,453.6	1,018,969.0	1,035,107.2	1,045,232.8	1,024,179.7	1,007,822.1	1,037,472.5	1,063,363.7	1,062,727.4
Basilan	240,150.7	245,923.6	249,966.0	257,532.0	259,920.0	254,150.0	248,248.0	267,109.4	285,402.3	290,462.7
Lanao del Sur	493,780.0	485,744.7	495,878.0	505,128.9	518,095.6	497,680.9	497,803.3	502,924.6	506,785.5	507,976.5
Maguindanao	4,000.0	3,732.0	3,653.0	3,835.3	4,215.5	4,235.8	4,235.4	5,122.4	5,502.0	5,591.2
Sulu	172,509.0	173,800.0	172,990.0	172,975.0	168,200.0	168,600.0	161,001.0	164,198.0	166,500.0	165,850.0
Tawi-tawi	98,427.6	98,253.4	96,482.0	95,636.0	94,801.7	99,513.0	96,534.4	98,118.0	99,174.0	92,847.0

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cauliflower										
PHILIPPINES	**11,101.7**	**11,582.8**	**11,636.3**	**11,781.7**	**11,738.8**	**11,864.8**	**11,641.5**	**12,061.0**	**11,328.3**	**11,552.9**
CAR	5,209.8	5,290.3	5,302.2	5,206.7	5,144.1	5,178.7	5,045.7	5,432.5	4,866.6	5,106.6
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	5,185.8	5,270.1	5,289.6	5,193.7	5,130.8	5,167.1	5,040.6	5,427.0	4,863.3	5,102.0
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	24.0	20.2	12.7	13.0	13.4	11.6	5.1	5.5	3.3	4.6
ILOCOS REGION	4,573.9	4,681.6	4,641.8	4,812.1	4,803.1	4,911.3	4,868.2	4,859.7	4,655.3	4,634.0
Ilocos Norte	2.9	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.4	2.4
Ilocos Sur	4,571.0	4,678.8	4,639.1	4,809.4	4,800.4	4,908.7	4,865.7	4,857.2	4,652.9	4,631.5
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	87.0	308.4	275.3	239.5	236.3	232.4	235.2	242.4	241.6	245.2
Batanes	..	..	3.5	2.9	2.9	3.0	1.9	2.0	1.3	1.3
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	87.0	308.4	271.8	236.6	233.4	229.4	233.3	240.5	240.2	244.0
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	27.6	27.3	25.4	25.0	24.7	24.0	0.1	0.1	0.1	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.1	0.1	0.1	..
Nueva Ecija	27.6	27.3	25.4	25.0	24.7	24.0	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	3.8	2.7	3.0	2.8	13.5	0.5	0.3	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	3.8	2.7	3.0	2.8	13.5	0.5	0.3	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	3.0	3.1	2.7	2.5	2.5	2.5	2.4
Marinduque	..	..	..	3.0	3.1	2.7	2.5	2.5	2.5	2.4
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	5.6	46.5	70.3	72.6	64.3	87.0	77.6	84.0	92.5	96.4
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	5.6	46.5	70.3	72.6	64.3	87.0	77.6	84.0	92.5	96.4
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	75.7	84.3	115.6	133.6	134.8	127.7	125.2	123.3	121.7	119.2
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	68.9	77.4	106.6	113.3	117.1	112.9	107.0	106.6	102.8	97.8
Negros Oriental	6.8	6.9	9.0	20.3	17.7	14.7	18.3	16.6	18.9	21.3
Siquijor	..	..	..	..	..	0.0	..	0.1	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	0.2	0.7
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	0.2	0.2
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0.5
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	3.0	3.9	4.4	5.3	7.0	7.3	7.1	7.1	7.2	7.2
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	3.0	3.9	4.4	5.3	7.0	7.3	7.1	7.1	7.2	7.2
NORTHERN MINDANAO	834.0	901.5	946.0	1,022.0	1,051.0	1,032.2	1,032.5	1,081.8	1,113.6	1,131.6
Bukidnon	810.0	865.0	900.0	960.0	985.0	965.0	974.0	1,022.0	1,052.0	1,069.0
Camiguin	0.0	..	..	0.0	..	0.1	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	1.6	..	..	..	..
Misamis Oriental	24.0	36.5	46.0	62.0	66.0	65.5	58.5	59.8	61.6	62.6
DAVAO REGION	152.8	105.1	116.4	102.8	90.0	86.2	77.0	74.3	86.6	82.1
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	44.0	40.1	42.0	41.7	43.1	39.4	35.9	36.1	36.8	36.4
City of Davao	69.6	38.1	48.1	44.4	31.5	31.6	30.0	30.8	42.7	41.8
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	39.1	26.9	26.3	16.7	15.5	15.2	11.1	7.4	7.0	3.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	128.5	131.3	135.4	154.6	166.7	174.6	169.8	153.1	140.6	127.7
North Cotabato	85.6	87.8	90.4	106.9	116.5	126.5	121.1	103.5	93.6	80.9
Sarangani	4.3	3.9	3.7	3.4	3.2	2.8	1.9	1.7	1.6	0.9
South Cotabato	38.5	39.6	41.3	44.2	47.0	45.3	46.8	47.9	45.4	45.9
Sultan Kudarat	0.1	0.1	..	..	..	..	..	..	..	..
CARAGA	..	..	0.7	1.8	0.2	0.2	0.3	0.2	..	..
Agusan del Norte	..	..	0.7	0.8	..	..	0.1	..	..	..
Agusan del Sur	..	..	..	1.0	0.2	0.2	0.2	0.2	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Eggplant										
PHILIPPINES	**208,241.8**	**207,994.0**	**211,885.3**	**219,911.1**	**225,578.7**	**232,864.5**	**235,626.2**	**241,900.9**	**244,838.3**	**249,890.5**
CAR	795.7	805.0	823.2	891.5	956.7	974.7	946.3	992.7	963.7	1,001.1
Abra	623.0	631.1	635.2	642.9	675.2	684.5	662.7	685.6	672.1	668.3
Apayao	24.8	24.2	38.6	79.6	113.0	131.3	137.0	145.7	134.1	129.1
Benguet	12.6	11.8	12.0	12.1	12.4	13.6	13.7	22.4	24.7	72.1
Ifugao	22.0	23.3	23.6	23.5	23.8	23.6	28.1	29.4	29.4	28.4
Kalinga	92.6	93.7	98.0	117.5	117.0	109.6	92.7	99.1	93.9	94.0
Mountain Province	20.9	21.0	15.8	15.9	15.3	12.2	12.1	10.5	9.5	9.3
ILOCOS REGION	73,659.1	75,374.8	76,192.6	78,136.1	79,399.6	81,941.5	87,222.1	90,078.2	93,192.8	99,192.9
Ilocos Norte	5,434.1	5,641.5	6,007.3	6,400.4	6,830.2	7,123.7	7,401.8	7,580.3	7,676.1	7,913.1
Ilocos Sur	3,975.0	4,240.1	4,350.7	4,602.5	4,773.1	5,409.8	5,735.0	5,849.8	6,094.1	6,719.1
La Union	1,407.9	1,370.6	1,541.8	1,646.1	1,794.4	2,007.4	2,075.8	2,248.8	2,476.0	2,589.1
Pangasinan	62,842.1	64,122.7	64,292.8	65,487.1	66,001.9	67,400.6	72,009.6	74,399.3	76,946.7	81,971.7
CAGAYAN VALLEY	18,263.6	19,320.4	19,871.8	20,476.6	19,722.5	20,842.4	18,366.7	20,277.8	18,764.7	18,434.2
Batanes	..	..	31.3	26.1	22.4	22.2	16.2	18.4	15.4	16.2
Cagayan	6,400.1	7,009.2	7,384.6	7,739.5	7,308.5	7,781.5	6,804.1	8,704.6	7,793.4	6,983.9
Isabela	9,210.0	9,702.2	9,900.0	10,234.3	9,833.8	10,573.2	9,201.0	9,075.4	8,417.3	8,773.2
Nueva Vizcaya	2,365.0	2,323.0	2,276.4	2,181.4	2,258.6	2,169.9	2,069.6	2,168.6	2,222.0	2,280.1
Quirino	288.5	286.1	279.5	295.3	299.3	295.7	275.8	310.9	316.5	380.8
CENTRAL LUZON	19,225.3	18,862.5	19,018.7	19,358.1	20,917.9	23,774.4	23,447.3	26,375.6	26,988.1	28,955.8
Aurora	243.0	245.9	251.0	231.7	266.2	272.5	273.7	337.1	333.5	250.0
Bataan	443.4	438.0	419.5	420.0	477.5	462.0	428.5	863.2	861.1	928.4
Bulacan	2,141.0	2,157.0	2,111.0	2,058.0	2,193.0	2,254.0	2,374.0	2,660.0	2,725.0	3,023.5
Nueva Ecija	6,960.3	6,922.5	6,884.7	7,017.8	8,406.0	11,078.9	10,431.1	9,845.4	8,759.5	9,628.7
Pampanga	2,252.0	2,248.0	2,345.0	2,443.0	2,471.0	2,483.0	2,552.7	2,486.0	2,571.5	2,625.3
Tarlac	5,997.6	5,576.3	5,633.5	5,781.2	5,652.3	5,789.9	6,215.9	8,769.0	10,295.2	11,198.8
Zambales	1,188.0	1,274.8	1,374.0	1,406.5	1,452.0	1,434.3	1,171.3	1,415.0	1,442.3	1,301.0
CALABARZON	37,572.6	36,400.8	36,149.8	36,666.6	36,872.1	38,332.0	36,688.3	33,081.4	32,689.9	31,212.8
Batangas	6,751.0	6,290.0	5,625.0	4,950.0	4,198.0	3,894.4	4,031.1	4,310.2	4,681.0	4,316.1
Cavite	351.2	343.1	372.8	365.3	298.6	265.2	235.8	211.7	201.6	182.5
Laguna	1,934.8	1,781.0	1,811.8	1,811.7	1,759.2	1,580.0	1,540.0	1,618.8	1,731.0	1,843.6
Quezon	28,017.9	27,467.9	27,812.2	28,980.2	30,024.7	31,990.7	30,282.5	26,331.0	25,452.1	24,248.2
Rizal	517.9	518.9	528.1	559.4	591.5	601.7	599.0	609.8	624.3	622.3
MIMAROPA	2,457.6	2,625.1	2,767.8	3,444.5	3,767.9	4,022.8	4,191.0	5,475.1	5,564.5	5,399.8
Marinduque	428.9	436.8	466.4	737.1	714.0	697.6	734.2	738.0	768.3	753.3
Occidental Mindoro	880.6	927.0	971.2	1,062.7	1,094.6	1,181.7	1,234.3	1,452.8	1,489.8	1,469.8
Oriental Mindoro	262.9	292.5	288.7	383.2	416.4	448.4	496.3	1,417.2	1,422.9	1,309.4
Palawan	190.5	266.8	349.3	563.6	834.2	982.8	1,019.7	1,156.8	1,176.2	1,199.0
Romblon	694.8	702.2	692.3	697.9	708.7	712.2	706.4	710.3	707.4	668.4
BICOL REGION	7,159.3	6,937.3	7,305.6	7,882.2	7,114.6	6,746.3	6,636.1	6,885.0	6,819.9	7,010.4
Albay	2,977.8	2,917.7	3,117.0	3,368.5	2,712.0	2,464.5	2,627.7	2,680.7	2,677.3	2,726.2
Camarines Norte	280.0	276.0	288.9	296.8	283.7	289.8	237.4	225.6	235.5	201.2
Camarines Sur	2,392.7	2,331.5	2,377.9	2,390.8	2,390.1	2,341.6	2,239.2	2,379.6	2,309.6	2,442.4
Catanduanes	24.2	22.7	22.8	23.5	22.6	23.8	25.3	22.7	21.0	19.7
Masbate	1,354.6	1,259.7	1,346.0	1,642.8	1,548.0	1,473.1	1,359.9	1,417.9	1,415.1	1,469.9
Sorsogon	130.1	129.7	152.9	159.8	158.2	153.4	146.7	158.5	161.4	151.0
WESTERN VISAYAS	14,730.3	15,085.9	15,660.2	16,051.0	17,021.7	16,986.8	17,730.6	17,136.7	17,793.7	16,571.9
Aklan	294.9	295.9	294.2	277.7	253.6	262.6	249.5	243.3	229.4	220.4
Antique	547.4	574.5	588.0	601.2	621.4	604.1	604.8	666.8	648.2	680.3
Capiz	769.5	752.0	819.8	814.9	823.0	856.5	816.5	804.0	764.5	733.1
Guimaras	221.5	227.1	238.5	240.1	257.4	250.6	236.7	260.5	279.1	294.5
Iloilo	10,090.5	10,368.0	10,813.0	11,191.0	12,075.6	12,011.9	12,775.5	12,095.0	12,810.0	11,590.0
Negros Occidental	2,806.6	2,868.4	2,906.9	2,926.2	2,990.8	3,001.0	3,047.6	3,067.2	3,062.5	3,053.6
CENTRAL VISAYAS	8,463.2	7,284.4	7,562.4	8,787.5	9,550.6	9,445.3	9,203.1	9,869.4	9,162.2	8,315.4
Bohol	2,696.5	1,561.8	1,649.7	1,814.4	2,128.5	2,106.5	1,591.9	1,863.7	1,638.2	1,522.0
Cebu	4,498.4	4,480.8	4,674.0	5,319.3	5,629.6	5,663.1	5,802.3	5,833.6	5,891.0	5,436.8
Negros Oriental	1,213.7	1,176.4	1,178.2	1,591.0	1,697.3	1,576.5	1,718.7	2,077.2	1,535.4	1,263.7
Siquijor	54.7	65.4	60.5	62.9	95.3	99.2	90.2	95.0	97.7	93.0
EASTERN VISAYAS	2,235.8	2,251.3	2,315.1	2,316.3	2,006.8	2,117.2	2,030.4	2,014.0	2,021.7	1,971.0
Biliran	56.1	56.6	60.1	59.0	53.1	53.5	54.5	50.5	40.1	39.8
Eastern Samar	204.8	202.4	210.3	195.5	166.2	112.9	104.4	102.0	85.3	79.8
Leyte	1,508.1	1,513.1	1,547.7	1,564.3	1,287.9	1,444.0	1,363.6	1,345.2	1,369.4	1,316.8
Northern Samar	142.3	146.7	160.7	167.4	173.0	174.0	174.9	182.2	189.9	195.9
Samar (Western Samar)	232.9	235.4	235.4	235.3	232.5	237.8	233.5	237.7	239.8	239.8
Southern Leyte	91.7	97.2	100.8	95.0	94.1	95.0	99.7	96.5	97.1	99.0
ZAMBOANGA PENINSULA	1,810.9	1,818.0	1,848.2	3,264.1	4,491.9	4,587.9	4,536.2	4,581.5	4,694.6	4,665.9
Zamboanga del Norte	320.3	343.4	333.8	447.2	462.4	423.4	409.6	415.2	389.3	397.9
Zamboanga del Sur	398.2	369.8	358.6	591.0	684.7	706.5	717.1	732.7	756.9	726.1
Zamboanga Sibugay	241.4	229.9	248.0	464.0	546.3	548.0	527.7	522.9	554.9	520.6
City of Zamboanga	851.1	874.9	907.9	1,762.0	2,798.6	2,910.1	2,881.8	2,910.6	2,993.5	3,021.3
NORTHERN MINDANAO	3,793.9	4,102.1	4,323.4	4,534.7	4,778.8	4,701.9	4,763.3	4,965.4	5,193.4	5,371.3
Bukidnon	625.0	720.0	785.0	801.0	825.0	829.0	835.0	889.0	939.0	956.0
Camiguin	95.3	97.1	93.9	91.1	94.6	96.9	100.8	116.8	114.1	113.3
Lanao del Norte	1,655.0	1,695.0	1,716.0	1,734.0	1,719.0	1,675.5	1,702.5	1,681.0	1,727.0	1,729.0
Misamis Occidental	527.9	604.9	648.5	675.6	710.3	717.5	728.0	748.6	770.3	778.0
Misamis Oriental	890.7	985.2	1,080.0	1,233.0	1,430.0	1,383.0	1,397.0	1,530.0	1,643.0	1,795.0
DAVAO REGION	6,645.9	6,449.5	6,631.5	6,886.0	7,059.3	7,014.2	6,522.8	6,515.7	6,698.5	6,716.8
Davao del Norte	698.3	657.1	668.4	667.9	707.2	699.9	691.7	701.8	696.6	671.5
Davao del Sur	568.4	595.3	610.0	618.2	637.2	631.3	634.2	620.9	604.4	488.8
City of Davao	3,323.1	3,151.4	3,419.4	3,310.1	3,324.7	3,273.0	2,872.1	2,884.1	3,121.7	3,164.7
Davao Oriental	219.0	202.1	199.0	200.9	242.1	229.8	223.4	230.8	224.0	234.1
Davao de Oro (Compostela Valley)	1,837.0	1,843.6	1,734.8	2,088.9	2,148.2	2,180.2	2,101.5	2,078.1	2,051.8	1,996.5
Davao Occidental	..	..	..	..	..	..	..	..	..	161.2
SOCCSKSARGEN	6,896.7	7,091.5	7,400.4	7,082.4	7,308.2	6,734.2	6,669.4	6,994.5	6,847.9	6,872.7
North Cotabato	5,275.9	5,443.3	5,704.4	5,201.7	5,424.4	4,892.8	4,881.1	5,094.1	4,970.0	4,985.6
Sarangani	498.5	517.8	532.0	546.0	545.7	515.0	455.0	481.0	495.0	505.0
South Cotabato	602.6	609.8	633.1	804.6	821.2	800.5	797.7	821.8	814.8	817.5
Sultan Kudarat	519.8	520.7	530.9	530.1	516.9	525.9	535.6	597.6	568.0	564.5
CARAGA	3,922.2	2,974.0	3,363.1	3,474.0	3,945.6	3,970.2	5,984.6	5,946.5	6,685.1	7,423.9
Agusan del Norte	307.8	190.1	276.7	373.9	423.6	420.8	467.0	512.4	507.1	519.4
Agusan del Sur	3,026.6	2,356.2	2,650.8	2,617.9	3,041.5	2,973.0	4,625.7	4,517.7	5,181.1	5,877.6
Dinagat Islands	..	..	..	14.6	13.6	12.2	9.8	11.4	23.7	36.4
Surigao del Norte	180.6	82.1	71.5	66.5	63.0	45.9	44.2	52.0	55.6	56.8
Surigao del Sur	407.2	345.5	364.1	401.0	404.0	518.3	837.8	853.1	917.6	933.8
ARMM	609.7	611.5	651.6	659.7	664.4	672.8	688.1	711.6	757.8	774.9
Basilan	71.9	73.8	76.7	78.5	81.2	82.4	80.1	82.9	87.9	84.5
Lanao del Sur	160.3	156.6	174.0	181.6	179.4	180.8	180.0	180.7	189.8	194.4
Maguindanao	310.7	308.5	319.0	323.3	324.8	329.7	343.9	358.7	389.5	405.5
Sulu	16.6	17.7	20.4	21.7	23.0	23.8	22.5	24.5	24.4	24.0
Tawi-tawi	50.3	55.0	61.5	54.7	56.1	56.2	61.6	64.8	66.3	66.6

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Garlic (Dried Bulb)										
PHILIPPINES	**9,563.2**	**9,056.2**	**8,808.4**	**8,986.4**	**8,992.9**	**10,419.5**	**7,469.0**	**7,751.1**	**7,559.1**	**7,256.3**
CAR	14.4	13.5	14.5	12.6	11.2	12.0	10.4	1.0	0.8	2.4
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	1.7	..	..	..	..	..	..	..	..	..
Kalinga	12.7	13.5	14.5	12.6	11.2	12.0	10.4	1.0	0.8	2.4
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	6,540.2	6,034.4	5,622.6	5,718.2	6,004.8	7,262.9	4,487.8	5,101.4	4,983.1	4,822.6
Ilocos Norte	6,283.5	5,756.3	5,340.7	5,435.8	5,706.5	6,934.5	4,160.7	4,784.0	4,657.7	4,522.1
Ilocos Sur	245.3	268.1	272.8	274.0	290.4	321.3	319.9	310.5	317.9	293.4
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	11.5	9.9	9.1	8.4	8.0	7.1	7.2	6.9	7.5	7.1
CAGAYAN VALLEY	185.0	196.0	455.1	609.8	618.0	641.2	637.1	542.2	551.4	558.3
Batanes	..	..	317.5	342.6	350.6	388.2	350.4	264.0	263.9	262.7
Cagayan	42.4	44.8	44.2	46.1	42.3	39.0	32.0	25.6	24.5	21.0
Isabela	3.1	3.8	3.0	0.6	0.5	0.3	0.3	0.2	0.1	0.1
Nueva Vizcaya	139.6	147.5	90.5	220.5	224.7	213.8	254.4	252.5	262.9	274.5
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	323.5	321.0	320.4	316.7	364.0	371.7	344.3	228.6	258.0	277.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	323.5	321.0	320.4	316.7	364.0	357.7	344.3	228.6	258.0	277.9
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	14.0	..	..	..	..
CALABARZON	331.6	292.5	256.8	235.4	95.1	94.0	88.1	75.7	67.1	6.6
Batangas	23.7	20.8	16.9	22.0	20.3	17.2	13.1	4.1	3.6	2.0
Cavite	38.4	35.2	15.5	17.4	17.2	15.9	14.2	9.7	4.7	4.6
Laguna	1.8	0.1	3.3	8.0	5.6	3.7	2.5	..	..	..
Quezon	267.7	236.5	221.1	187.9	52.0	57.2	58.3	61.9	58.8	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	2,127.3	2,160.8	2,113.8	2,010.2	1,794.5	1,943.0	1,818.8	1,718.5	1,606.0	1,479.9
Marinduque	17.4	16.9	17.4	17.2	16.9	17.2	15.7	13.6	14.0	13.6
Occidental Mindoro	2,012.1	2,054.2	2,010.1	1,907.5	1,691.0	1,739.0	1,662.4	1,536.1	1,439.3	1,297.0
Oriental Mindoro	47.9	50.6	49.5	53.7	60.6	164.6	129.3	157.0	140.8	157.8
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	49.9	39.1	36.7	31.8	26.0	22.3	11.5	11.8	11.9	11.6
BICOL REGION	2.0	1.9	1.8	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	2.0	1.9	1.8	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	35.2	32.0	19.5	79.6	100.2	89.2	78.8	79.8	89.0	104.9
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	35.2	32.0	19.5	79.6	100.2	89.2	78.8	79.8	89.0	104.9
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	..	..	..	..	1.1	1.4	..	..	..	..
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	..	..	..	..	..	..
Siquijor	..	..	..	..	1.1	1.4	..	..	..	..
EASTERN VISAYAS	4.1	4.1	4.0	4.0	4.0	4.1	3.8	3.9	3.9	3.8
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	4.1	4.1	4.0	4.0	4.0	4.1	3.8	3.9	3.9	3.8
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	..	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	..	..	..	..	..	..	..	..	..	..
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	..	..	..	..	..	..	..	..	..	..
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ginger										
PHILIPPINES	**27,096.6**	**27,755.3**	**27,677.1**	**28,216.1**	**27,196.9**	**26,623.1**	**26,787.2**	**27,482.0**	**27,926.3**	**26,929.1**
CAR	996.1	959.8	955.4	940.2	946.3	924.4	886.4	906.6	917.2	935.2
Abra	120.5	117.0	119.3	119.9	136.0	142.0	131.4	134.4	131.2	131.4
Apayao	54.9	53.1	39.5	36.8	40.2	42.8	42.4	45.6	43.3	50.8
Benguet	251.1	237.1	237.0	237.9	222.3	188.2	180.1	202.8	190.5	220.3
Ifugao	528.3	514.2	519.8	505.4	507.8	504.8	473.4	451.5	459.9	450.2
Kalinga	27.8	28.4	29.7	30.5	30.3	36.6	48.1	57.4	60.3	63.8
Mountain Province	13.4	10.1	10.2	9.7	9.8	10.1	11.0	14.9	32.1	18.8
ILOCOS REGION	788.8	843.5	865.9	880.3	909.2	947.6	929.6	959.8	995.2	1,004.0
Ilocos Norte	416.8	418.5	422.6	423.9	430.9	451.4	460.7	480.5	499.9	505.6
Ilocos Sur	82.6	95.4	107.8	112.8	106.0	113.9	116.4	117.6	122.9	127.9
La Union	168.6	201.0	204.6	208.4	235.8	253.6	232.3	239.7	248.3	245.9
Pangasinan	120.9	128.6	130.9	135.2	136.6	128.9	120.2	122.1	124.0	124.7
CAGAYAN VALLEY	5,243.7	5,162.0	5,038.5	5,248.5	5,322.4	5,058.7	4,947.4	5,214.9	5,240.0	5,168.8
Batanes	..	..	46.2	44.0	39.2	17.1	12.1	9.2	7.9	8.7
Cagayan	1,087.3	1,150.9	1,195.6	1,293.1	1,250.1	1,053.8	892.4	1,065.1	1,101.6	1,029.9
Isabela	384.7	248.4	128.7	104.7	127.4	126.9	124.4	118.0	120.8	118.9
Nueva Vizcaya	3,678.8	3,669.3	3,566.1	3,689.8	3,767.2	3,670.8	3,707.3	3,799.0	3,773.9	3,747.1
Quirino	93.0	93.5	102.0	117.0	138.5	190.2	211.1	223.6	235.9	264.3
CENTRAL LUZON	1,148.8	1,160.2	1,180.8	1,177.7	1,211.1	1,220.1	1,259.7	1,343.4	1,383.9	1,484.2
Aurora	88.0	93.8	96.2	98.3	105.3	114.0	129.5	128.7	122.4	116.1
Bataan	60.2	61.5	60.0	60.0	58.0	59.5	57.5	57.0	56.1	55.9
Bulacan	281.0	278.0	280.0	271.0	290.0	291.0	287.0	289.0	290.0	315.3
Nueva Ecija	518.3	516.3	514.9	515.5	511.0	503.2	507.5	568.3	607.6	660.5
Pampanga	7.1	7.8	8.5	11.6	10.5	10.4	10.4	10.3	10.4	10.4
Tarlac	112.6	106.5	109.5	107.3	109.7	108.1	107.8	119.6	149.0	153.3
Zambales	81.6	96.3	111.8	114.0	126.7	134.0	160.1	170.6	148.4	172.8
CALABARZON	4,385.8	4,520.6	3,867.8	3,913.0	3,718.4	3,695.2	3,755.5	3,692.6	4,053.2	3,231.9
Batangas	1,936.5	2,091.4	1,301.5	1,248.5	1,000.5	932.0	1,083.7	846.9	983.1	578.0
Cavite	318.2	315.2	339.5	331.1	413.2	408.8	410.4	351.7	360.0	341.4
Laguna	180.0	184.1	188.1	190.2	141.8	145.5	136.2	123.3	118.3	116.0
Quezon	1,892.4	1,869.2	1,974.5	2,077.2	2,096.2	2,136.9	2,057.1	2,309.3	2,542.2	2,138.8
Rizal	58.8	60.8	64.2	66.0	66.8	72.0	68.0	61.5	49.4	57.7
MIMAROPA	362.1	441.3	481.4	530.4	577.3	595.5	654.7	786.0	760.1	755.6
Marinduque	36.0	36.3	37.0	37.1	34.6	33.4	33.2	38.2	38.9	39.2
Occidental Mindoro	45.9	52.1	57.3	59.2	64.5	63.9	67.9	72.1	71.9	72.2
Oriental Mindoro	32.3	31.8	34.1	45.8	51.2	59.0	112.0	212.5	175.3	183.2
Palawan	158.6	224.8	251.1	281.2	322.6	330.3	330.8	350.6	359.7	347.9
Romblon	89.3	96.3	101.9	107.1	104.5	109.0	110.8	112.6	114.4	113.1
BICOL REGION	293.5	292.7	306.0	327.0	317.5	319.4	328.5	349.9	367.3	360.5
Albay	93.3	89.9	95.7	104.4	94.9	93.4	97.6	107.2	118.0	123.5
Camarines Norte	18.7	19.5	21.0	22.0	21.5	20.4	20.5	23.8	26.1	28.8
Camarines Sur	89.3	86.0	88.9	89.4	87.1	85.3	89.9	98.0	102.5	88.8
Catanduanes	19.6	19.1	19.9	19.9	20.2	19.5	18.8	17.1	17.0	14.6
Masbate	59.4	65.1	65.5	75.0	78.0	85.0	86.0	87.3	87.0	89.0
Sorsogon	13.3	13.3	15.1	16.2	15.8	15.8	15.8	16.6	16.7	15.8
WESTERN VISAYAS	1,312.8	1,377.1	1,434.5	1,408.8	1,387.7	1,348.7	1,373.7	1,439.4	1,493.2	1,430.1
Aklan	201.6	210.3	218.2	201.7	198.0	206.8	212.2	215.1	219.4	220.9
Antique	246.1	221.5	207.0	197.8	187.8	189.4	193.1	208.9	217.8	214.8
Capiz	218.5	242.1	255.3	266.2	258.5	249.6	267.5	291.0	326.4	308.9
Guimaras	3.9	3.8	4.1	4.2	4.6	4.3	5.2	9.0	10.2	11.6
Iloilo	196.0	218.0	244.0	228.8	206.4	171.3	153.5	169.1	183.3	150.2
Negros Occidental	446.8	481.5	505.9	510.1	532.4	527.4	542.3	546.2	536.1	523.8
CENTRAL VISAYAS	1,686.1	1,799.9	1,798.3	1,851.0	1,896.5	1,874.0	1,998.9	2,070.6	1,921.3	1,904.1
Bohol	478.8	507.9	492.6	618.0	690.2	689.4	683.0	738.2	601.2	505.4
Cebu	902.9	938.8	927.1	881.7	898.1	909.9	1,048.8	990.5	960.1	967.2
Negros Oriental	281.7	327.1	352.3	325.6	286.6	254.0	249.4	323.0	339.7	412.6
Siquijor	22.7	26.1	26.4	25.7	21.7	20.7	17.7	19.0	20.2	19.0
EASTERN VISAYAS	2,132.5	2,174.9	2,206.4	2,174.4	1,845.4	1,875.2	1,885.0	1,948.2	1,944.2	1,912.5
Biliran	330.0	331.1	331.6	325.8	323.8	325.5	329.7	332.0	276.1	266.5
Eastern Samar	36.7	36.8	37.3	37.4	37.5	38.5	40.8	41.2	42.0	36.9
Leyte	1,514.8	1,545.7	1,556.9	1,519.0	1,200.3	1,219.9	1,219.1	1,271.9	1,318.9	1,316.4
Northern Samar	25.2	25.9	29.1	29.9	30.7	36.6	33.6	33.0	31.3	27.0
Samar (Western Samar)	163.3	172.0	190.9	197.6	194.6	202.9	204.5	210.8	216.2	207.7
Southern Leyte	62.5	63.3	60.6	64.7	58.6	51.9	57.3	59.3	59.8	57.9
ZAMBOANGA PENINSULA	564.9	579.5	629.9	673.1	672.7	647.9	624.4	608.8	620.2	608.3
Zamboanga del Norte	233.1	222.0	226.3	235.0	222.5	207.7	188.1	174.2	179.5	177.1
Zamboanga del Sur	156.0	164.1	170.5	206.1	234.0	225.1	220.4	215.8	222.5	219.0
Zamboanga Sibugay	61.1	69.6	105.4	100.6	95.4	100.1	103.3	107.3	102.7	96.5
City of Zamboanga	114.7	123.8	127.7	131.4	120.7	115.0	112.7	111.5	115.4	115.7
NORTHERN MINDANAO	5,021.5	5,360.1	5,713.5	5,976.7	5,702.6	5,523.1	5,494.4	5,415.0	5,479.6	5,439.6
Bukidnon	450.0	505.0	570.0	545.0	515.0	408.0	411.0	442.0	464.0	472.0
Camiguin	23.7	29.3	28.2	25.4	18.3	16.8	18.0	22.2	29.9	23.5
Lanao del Norte	4,126.0	4,317.2	4,525.0	4,698.0	4,562.0	4,511.3	4,505.4	4,356.0	4,367.0	4,338.0
Misamis Occidental	287.5	345.7	363.3	378.3	382.3	374.6	363.0	387.0	397.4	385.8
Misamis Oriental	134.4	163.0	227.0	330.0	225.0	212.4	197.0	207.7	221.3	220.3
DAVAO REGION	1,138.0	1,162.1	1,151.8	1,120.7	890.1	902.3	889.6	965.8	1,001.5	976.1
Davao del Norte	136.6	140.1	128.4	126.5	124.2	123.1	123.7	122.8	120.9	118.4
Davao del Sur	293.9	310.5	323.0	320.7	317.7	314.0	306.4	305.0	295.8	263.1
City of Davao	78.7	72.3	74.1	78.4	73.8	72.2	70.1	137.0	141.9	137.0
Davao Oriental	6.8	6.8	8.4	9.0	10.8	11.5	13.0	18.4	21.0	24.3
Davao de Oro (Compostela Valley)	621.9	632.4	617.8	586.0	363.7	381.6	376.5	382.7	422.0	430.6
Davao Occidental	..	..	..	..	..	..	..	..	..	2.7
SOCCSKSARGEN	842.9	817.0	815.8	775.2	712.9	636.3	651.3	642.1	618.1	584.2
North Cotabato	540.9	547.0	568.8	539.5	471.2	408.2	440.9	434.6	405.6	378.8
Sarangani	60.0	50.0	48.8	44.0	40.8	39.8	34.8	37.0	38.3	39.2
South Cotabato	186.9	164.4	146.2	149.6	159.8	147.4	137.3	129.0	119.9	113.3
Sultan Kudarat	55.1	55.5	52.0	42.1	41.0	40.8	38.3	41.5	54.2	53.0
CARAGA	307.2	230.0	252.8	213.4	193.0	171.1	225.9	254.1	230.2	223.5
Agusan del Norte	79.3	47.8	48.1	51.7	37.0	29.9	24.3	15.6	13.5	14.5
Agusan del Sur	128.0	115.6	144.6	98.6	98.1	87.2	146.0	176.5	147.7	140.8
Dinagat Islands	..	..	..	4.0	2.6	2.4	2.1	2.4	3.8	4.0
Surigao del Norte	35.2	22.0	15.8	12.6	11.2	10.5	8.9	11.2	11.6	10.3
Surigao del Sur	64.8	44.6	44.3	46.6	44.2	41.2	44.6	48.5	53.6	53.9
ARMM	872.0	874.6	978.4	1,005.9	893.7	883.7	882.4	884.9	901.3	910.7
Basilan	25.2	25.9	26.4	26.3	25.2	23.4	22.3	23.2	23.1	22.3
Lanao del Sur	717.4	720.2	820.1	847.7	735.4	726.7	727.1	728.1	744.7	748.5
Maguindanao	127.1	126.3	128.0	128.3	129.2	127.8	128.1	127.6	127.6	133.9
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	2.4	2.3	4.0	3.6	3.9	5.8	5.0	6.1	6.0	6.0

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Greater yam/Ubi										
PHILIPPINES	**21,906.1**	**17,844.1**	**16,428.9**	**14,770.4**	**15,245.2**	**13,797.6**	**14,165.9**	**14,375.5**	**14,464.8**	**14,037.7**
CAR	160.4	158.8	158.1	166.3	170.0	166.9	157.2	171.3	164.9	161.3
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	4.8	7.8	7.7	11.0	13.9	15.7	16.0	16.7	15.2	12.9
Benguet	150.1	145.3	142.9	144.3	145.4	139.5	130.8	145.0	140.8	138.0
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	5.5	5.7	7.5	11.0	10.8	11.7	10.4	9.6	8.9	10.5
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	201.0	205.4	228.5	296.8	372.2	377.8	387.4	406.5	423.7	419.1
Ilocos Norte	49.7	46.9	52.7	55.9	58.7	61.3	62.8	64.1	67.5	66.4
Ilocos Sur	..	..	..	55.7	103.2	103.9	104.6	105.0	106.5	109.7
La Union	151.3	158.6	175.8	185.2	210.3	212.6	220.0	237.4	249.7	243.0
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	1,757.3	1,694.2	2,325.6	2,316.6	2,209.0	2,046.9	1,872.0	1,863.6	1,838.3	1,659.1
Batanes	..	..	629.7	557.4	565.6	358.3	241.1	236.6	226.7	224.0
Cagayan	1,114.0	1,108.1	1,131.2	1,210.5	1,205.9	1,260.7	1,185.2	1,155.9	1,164.0	980.8
Isabela	366.3	301.1	292.3	267.9	191.3	191.1	165.5	154.5	129.7	122.0
Nueva Vizcaya	207.0	222.0	192.5	203.8	165.2	148.8	176.9	190.5	186.5	190.0
Quirino	70.0	63.0	80.0	77.0	81.0	88.1	103.5	126.1	131.5	142.2
CENTRAL LUZON	552.6	561.0	561.0	555.6	578.1	594.1	567.1	561.9	533.2	504.4
Aurora	147.0	153.4	152.5	160.2	161.3	163.5	144.5	153.1	123.8	118.3
Bataan	70.3	65.0	63.0	58.0	60.0	59.5	60.0	59.5	58.9	57.5
Bulacan	231.0	231.8	231.0	218.9	234.5	246.5	246.7	242.9	241.3	206.8
Nueva Ecija	19.0	19.0	18.5	18.0	17.9	16.5	15.7	14.7	14.0	12.8
Pampanga	10.0	9.0	10.5	10.0	11.0	10.7	11.0	10.0	10.4	10.4
Tarlac	..	..	..	..	..	..	..	..	1.4	4.5
Zambales	75.3	82.8	85.5	90.5	93.4	97.5	89.3	81.7	83.5	94.1
CALABARZON	625.7	648.1	653.3	670.2	676.9	656.6	1,338.4	1,399.3	1,489.1	1,516.8
Batangas	265.0	273.0	215.0	210.0	220.0	214.9	222.0	263.1	282.1	313.0
Cavite	139.9	143.9	195.6	199.9	190.5	185.6	242.3	250.2	254.7	275.9
Laguna	121.1	124.3	126.0	130.3	125.4	122.4	124.9	144.7	143.8	144.8
Quezon	99.7	107.0	116.7	130.0	141.0	133.7	749.2	741.3	808.5	783.1
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	423.9	458.3	495.9	539.6	570.3	590.4	599.8	623.6	632.1	623.0
Marinduque	50.2	51.0	52.0	51.7	52.5	53.3	57.8	63.0	63.5	63.9
Occidental Mindoro	116.4	121.9	131.7	147.1	156.7	166.1	167.8	175.1	174.4	172.1
Oriental Mindoro	16.9	16.4	16.6	16.1	16.8	16.7	17.9	18.4	17.5	16.5
Palawan	111.6	132.2	152.6	180.9	203.8	206.1	205.7	211.3	217.4	213.4
Romblon	128.9	136.8	143.0	143.8	140.5	148.2	150.7	155.8	159.3	157.2
BICOL REGION	657.3	625.4	599.9	589.0	534.7	528.3	467.8	434.8	418.4	413.5
Albay	561.8	539.3	506.8	493.8	439.2	429.4	373.0	340.6	325.2	322.9
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	4.2	4.2	4.2	4.2	4.2	4.1	3.9	3.5	3.2	3.0
Catanduanes	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.6	1.6	1.5
Masbate	75.0	66.0	72.0	73.7	73.7	76.0	73.9	73.5	72.3	71.1
Sorsogon	14.5	14.2	15.1	15.5	15.8	17.1	15.2	15.7	16.1	14.9
WESTERN VISAYAS	651.4	669.8	676.6	664.4	652.5	648.0	611.1	619.3	614.4	607.1
Aklan	177.1	181.7	190.5	180.3	164.3	155.1	149.0	143.6	144.5	141.9
Antique	75.8	74.7	68.7	70.5	64.4	67.6	63.6	74.6	71.4	74.2
Capiz	41.2	36.4	46.0	52.6	59.5	62.0	60.5	56.6	59.2	49.5
Guimaras	40.5	37.8	38.3	33.7	29.6	20.7	16.2	23.3	25.1	24.7
Iloilo	133.0	141.0	127.5	117.5	120.0	130.7	122.1	117.0	107.8	109.4
Negros Occidental	183.9	198.2	205.6	209.8	214.8	211.9	199.7	204.2	206.4	207.6
CENTRAL VISAYAS	13,722.3	9,752.5	7,527.6	5,929.3	6,364.2	5,129.6	5,210.8	5,351.2	5,445.5	5,280.8
Bohol	13,168.6	9,230.8	7,004.1	5,419.4	5,847.4	4,632.0	4,765.6	4,900.1	4,997.6	4,860.7
Cebu	380.9	318.9	313.1	301.8	316.8	299.2	259.7	250.1	255.6	233.2
Negros Oriental	166.6	196.1	203.9	201.4	193.6	192.3	179.8	194.7	186.2	181.4
Siquijor	6.3	6.8	6.5	6.6	6.4	6.1	5.7	6.3	6.1	5.5
EASTERN VISAYAS	841.2	844.5	947.4	780.1	756.7	764.5	737.9	686.8	627.7	588.7
Biliran	168.0	165.5	162.3	153.7	153.8	154.6	152.6	115.0	95.0	84.0
Eastern Samar	41.1	41.8	44.7	42.2	40.3	36.3	32.2	29.5	23.7	25.3
Leyte	517.1	522.3	621.7	462.7	446.3	453.4	436.2	423.1	388.9	356.3
Northern Samar	25.0	25.6	26.2	27.0	27.7	27.3	23.1	22.7	22.7	22.5
Samar (Western Samar)	12.4	78.0	80.0	81.2	75.3	79.6	81.5	84.4	85.2	88.5
Southern Leyte	77.5	11.3	12.5	13.3	13.4	13.5	12.3	12.2	12.2	12.1
ZAMBOANGA PENINSULA	250.2	253.1	257.9	265.1	315.6	292.6	290.9	290.9	296.9	296.3
Zamboanga del Norte	33.1	32.9	33.0	32.7	31.7	26.6	22.5	23.9	23.7	24.9
Zamboanga del Sur	90.5	90.4	95.6	100.0	146.0	126.1	134.2	134.2	140.5	140.2
Zamboanga Sibugay	54.6	55.6	53.3	51.8	59.4	62.8	57.7	56.9	55.1	53.3
City of Zamboanga	72.0	74.2	76.0	80.7	78.4	77.2	76.6	75.9	77.6	78.0
NORTHERN MINDANAO	867.3	872.3	931.5	940.9	1,007.1	1,011.3	1,013.8	1,043.7	1,060.5	1,052.6
Bukidnon	30.0	28.0	24.0	20.0	16.5	18.0	24.0	27.0	28.8	28.7
Camiguin	45.8	38.8	39.0	36.7	32.0	26.5	22.3	28.7	30.4	28.8
Lanao del Norte	613.0	624.0	660.0	671.0	718.0	739.5	743.5	753.0	757.3	755.0
Misamis Occidental	120.0	131.5	140.5	141.3	140.6	131.3	127.0	130.0	131.5	130.2
Misamis Oriental	58.5	50.0	68.0	72.0	100.0	96.0	97.0	105.0	112.5	109.9
DAVAO REGION	426.9	402.1	384.3	376.2	360.9	350.1	313.4	315.0	311.0	311.7
Davao del Norte	48.5	44.4	41.2	38.7	42.6	47.2	45.7	45.7	43.6	43.6
Davao del Sur	167.6	172.8	175.0	173.3	176.4	168.4	164.2	164.7	165.3	165.4
City of Davao	96.4	82.6	76.2	74.2	70.0	71.2	46.2	46.6	48.0	49.9
Davao Oriental	13.2	9.1	3.9	6.0	3.7	2.7	1.4	0.8	..	..
Davao de Oro (Compostela Valley)	101.2	93.1	88.0	83.9	68.2	60.5	56.0	57.2	54.2	52.8
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	316.3	318.4	313.1	318.4	320.8	292.7	246.7	250.9	247.1	234.1
North Cotabato	135.6	133.4	134.5	136.8	138.4	128.5	122.6	121.0	117.2	110.5
Sarangani	43.3	45.5	45.6	47.0	41.8	34.8	16.7	20.5	21.6	21.6
South Cotabato	91.5	94.2	89.2	93.5	99.5	89.3	69.6	75.3	75.0	71.1
Sultan Kudarat	46.0	45.3	43.9	41.2	41.2	40.2	37.9	34.1	33.3	30.9
CARAGA	144.5	70.5	58.1	49.3	40.9	32.5	32.5	32.1	33.1	32.4
Agusan del Norte	26.5	8.8	5.0	5.2	5.4	5.0	4.8	4.7	4.1	4.3
Agusan del Sur	10.6	5.8	5.2	5.3	2.6	2.5	2.4	2.8	3.7	3.1
Dinagat Islands	..	..	..	3.7	3.1	2.8	2.8	2.2	2.2	1.9
Surigao del Norte	39.5	31.4	21.7	12.5	8.7	5.6	4.6	3.6	3.0	2.3
Surigao del Sur	68.0	24.5	26.2	22.6	21.1	16.6	18.0	19.0	20.0	21.0
ARMM	308.0	309.7	310.4	312.8	315.4	315.3	319.0	324.8	329.0	336.9
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	159.0	159.2	164.3	165.3	165.6	165.8	168.1	168.2	169.8	170.4
Maguindanao	149.0	150.5	146.1	147.5	149.8	149.5	150.9	156.6	159.2	166.5
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lady's finger/Okra										
PHILIPPINES	**29,716.3**	**29,128.6**	**29,773.6**	**30,121.6**	**30,274.2**	**30,638.4**	**30,528.9**	**31,378.6**	**31,277.2**	**31,708.0**
CAR	33.7	33.8	39.6	47.3	49.8	50.0	45.9	48.9	42.8	43.9
Abra	22.6	22.4	22.3	22.3	25.3	25.6	24.8	25.5	25.2	25.0
Apayao	0.7	0.7	6.0	11.7	12.7	13.2	11.6	13.0	8.2	8.5
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	10.5	10.7	11.3	13.4	11.8	11.2	9.6	10.3	9.4	10.5
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	1,576.8	1,627.7	1,623.9	1,698.0	1,738.1	1,763.5	1,816.2	1,914.5	1,925.6	2,013.1
Ilocos Norte	646.3	652.6	663.4	704.4	715.3	732.4	745.5	765.9	783.3	801.4
Ilocos Sur	221.8	224.3	223.0	242.2	239.6	249.4	257.4	264.0	262.3	284.5
La Union	241.5	235.3	248.8	258.2	277.9	286.5	302.9	334.4	332.6	347.5
Pangasinan	467.3	515.4	488.7	493.2	505.3	495.2	510.3	550.1	547.5	579.7
CAGAYAN VALLEY	5,213.8	5,465.5	5,531.1	5,458.7	5,181.2	5,220.7	4,970.7	5,253.1	5,039.7	5,165.7
Batanes	..	..	6.1	6.4	6.3	4.9	3.9	4.1	3.3	3.3
Cagayan	1,694.5	1,823.0	1,807.8	1,899.2	1,884.4	2,052.3	1,888.9	2,083.8	2,023.3	2,072.1
Isabela	2,852.9	2,917.2	2,987.3	2,855.8	2,585.3	2,474.2	2,402.2	2,467.3	2,292.2	2,383.5
Nueva Vizcaya	603.5	676.7	676.8	641.1	642.5	633.7	617.6	638.1	660.6	650.9
Quirino	63.0	48.6	53.0	56.3	62.7	55.6	58.2	59.9	60.3	55.9
CENTRAL LUZON	10,850.5	10,855.1	10,876.6	10,798.5	10,897.9	11,032.8	11,300.2	11,183.5	11,173.0	11,450.1
Aurora	107.0	108.7	109.7	98.5	117.7	122.6	142.7	146.7	149.4	138.3
Bataan	32.4	33.6	35.0	35.0	46.0	48.0	46.5	46.8	45.6	48.7
Bulacan	1,555.0	1,549.0	1,521.0	1,531.0	1,593.0	1,620.0	2,284.0	2,394.0	2,427.9	2,372.8
Nueva Ecija	8,194.5	8,228.2	8,232.0	8,194.1	8,104.8	8,126.7	7,666.1	7,327.3	6,911.8	6,892.8
Pampanga	112.0	101.5	124.0	133.0	151.0	149.0	132.1	141.2	152.7	162.6
Tarlac	644.2	622.6	618.3	566.5	610.1	662.8	746.8	813.0	1,162.3	1,484.1
Zambales	205.4	211.5	236.6	240.4	275.4	303.8	282.0	314.4	323.4	350.9
CALABARZON	1,640.3	1,719.6	1,819.2	1,851.9	1,665.0	1,836.3	1,652.9	1,679.8	1,595.2	1,544.3
Batangas	463.0	512.0	510.0	538.8	516.0	629.8	479.2	530.3	470.8	432.0
Cavite	360.8	360.3	449.0	453.3	368.2	335.4	306.1	287.7	259.2	237.8
Laguna	652.8	652.0	650.9	644.0	597.1	642.9	646.0	669.9	700.9	711.8
Quezon	128.9	160.6	174.1	178.4	145.3	154.4	151.1	133.6	104.9	98.5
Rizal	34.7	34.7	35.2	37.5	38.5	73.9	70.5	58.3	59.4	64.4
MIMAROPA	182.3	197.2	213.5	258.4	298.0	326.9	367.6	460.8	474.2	482.6
Marinduque	19.6	20.1	20.7	20.9	20.8	23.4	29.6	29.5	30.4	31.1
Occidental Mindoro	32.6	31.3	35.5	37.2	42.7	54.6	61.7	69.1	73.3	73.0
Oriental Mindoro	14.1	14.6	15.1	19.2	26.1	20.4	37.3	99.8	97.8	109.1
Palawan	44.1	54.6	62.8	97.7	118.1	132.5	138.0	151.7	157.7	162.4
Romblon	71.9	76.7	79.4	83.4	90.2	96.1	101.1	110.7	114.9	107.0
BICOL REGION	1,778.3	1,775.6	1,864.5	1,870.1	1,808.7	1,795.8	1,779.4	1,859.2	1,876.1	1,774.9
Albay	44.6	44.6	46.6	49.6	44.6	44.2	46.9	43.7	43.7	46.8
Camarines Norte	199.0	193.0	201.0	206.5	197.2	196.0	185.8	194.3	198.0	185.4
Camarines Sur	53.7	53.3	53.5	53.8	53.8	54.3	50.8	56.1	54.4	59.5
Catanduanes	16.9	16.4	16.3	16.9	16.6	16.4	15.9	14.7	14.6	13.6
Masbate	928.1	921.4	986.8	1,008.2	956.3	938.7	948.3	1,012.5	1,028.3	1,048.7
Sorsogon	535.9	546.9	560.3	535.0	540.2	546.2	531.6	538.0	537.1	421.0
WESTERN VISAYAS	1,454.7	1,562.2	1,621.8	1,633.2	1,679.4	1,687.9	1,773.7	1,930.6	2,086.7	2,168.6
Aklan	67.1	69.2	71.8	70.4	62.8	61.5	52.9	54.7	56.8	56.6
Antique	101.7	108.8	117.9	123.9	116.9	120.9	122.1	151.1	169.6	151.0
Capiz	205.3	220.9	227.3	218.1	221.0	232.3	250.4	267.3	255.4	270.8
Guimaras	71.8	77.4	80.4	84.6	88.1	83.9	83.9	92.0	98.1	103.9
Iloilo	605.0	667.0	694.0	710.0	753.0	749.0	815.6	917.5	1,058.0	1,130.0
Negros Occidental	403.9	418.9	430.5	426.3	437.6	440.3	448.9	448.0	448.8	456.3
CENTRAL VISAYAS	2,193.8	1,402.4	1,477.7	1,597.0	1,658.8	1,571.1	1,489.5	1,585.1	1,500.5	1,417.2
Bohol	1,226.6	315.8	333.6	357.1	375.1	350.3	306.8	352.1	322.2	283.2
Cebu	573.6	605.4	629.2	642.6	670.8	655.0	659.1	659.4	602.8	581.2
Negros Oriental	375.9	459.8	495.0	576.8	592.2	544.8	505.8	555.5	557.2	535.7
Siquijor	17.8	21.4	19.8	20.6	20.7	21.1	17.8	18.1	18.3	17.2
EASTERN VISAYAS	941.9	954.2	982.1	879.7	861.6	893.1	888.2	823.7	809.5	826.2
Biliran	10.2	10.3	10.7	10.1	9.4	13.5	13.6	13.1	11.5	12.5
Eastern Samar	12.1	12.2	12.4	11.0	11.8	12.4	12.2	11.9	11.4	10.9
Leyte	868.0	878.1	904.1	800.8	782.8	809.1	805.3	741.2	728.4	743.2
Northern Samar	23.8	24.5	25.2	26.4	27.2	26.9	25.4	25.9	26.5	27.0
Samar (Western Samar)	12.6	12.8	13.0	13.0	12.2	12.6	12.6	13.0	13.1	13.8
Southern Leyte	15.3	16.4	16.8	18.4	18.2	18.6	19.1	18.6	18.6	18.8
ZAMBOANGA PENINSULA	384.5	410.9	424.3	549.1	792.0	799.5	783.8	793.9	826.1	856.6
Zamboanga del Norte	107.0	113.7	111.1	112.7	116.0	109.0	105.1	102.0	95.4	100.5
Zamboanga del Sur	109.7	115.9	117.6	176.6	373.5	379.9	365.5	383.8	412.3	423.2
Zamboanga Sibugay	50.8	58.1	66.8	71.1	69.9	69.8	69.6	72.0	74.5	79.4
City of Zamboanga	117.0	123.2	128.8	188.8	232.6	240.8	243.6	236.0	243.9	253.6
NORTHERN MINDANAO	1,531.7	1,632.6	1,715.1	1,823.6	1,857.9	1,823.3	1,813.4	1,884.5	1,955.4	1,974.5
Bukidnon	87.0	105.0	125.0	153.0	139.0	123.0	129.0	137.0	146.5	152.3
Camiguin	29.2	30.9	29.2	28.7	31.0	30.6	34.7	36.9	38.0	34.3
Lanao del Norte	1,081.6	1,079.0	1,097.3	1,106.0	1,108.0	1,087.3	1,099.0	1,107.5	1,114.5	1,120.0
Misamis Occidental	140.0	180.0	199.7	215.9	226.9	237.4	236.7	245.0	256.7	268.7
Misamis Oriental	193.9	237.7	264.0	320.0	353.0	345.0	314.0	358.1	399.7	399.3
DAVAO REGION	535.3	538.6	556.6	571.2	612.2	611.2	625.4	674.8	682.5	699.7
Davao del Norte	126.1	133.0	137.1	137.0	142.5	154.4	155.9	152.6	148.3	153.9
Davao del Sur	144.4	154.8	164.2	167.4	177.2	169.6	171.4	174.5	180.1	158.6
City of Davao	110.1	97.1	100.5	100.4	107.5	107.5	120.7	169.2	177.1	177.0
Davao Oriental	111.8	109.4	107.1	108.3	119.5	111.3	107.4	106.8	102.9	102.7
Davao de Oro (Compostela Valley)	42.9	44.3	47.7	58.2	65.5	68.4	69.9	71.8	74.3	77.2
Davao Occidental	..	..	..	..	..	..	..	..	..	30.2
SOCCSKSARGEN	505.6	516.3	522.3	544.6	557.8	558.2	569.9	588.6	579.4	569.4
North Cotabato	219.1	226.3	233.6	248.0	259.1	259.3	277.2	281.0	271.7	265.1
Sarangani	55.5	58.5	58.9	58.0	58.3	58.0	57.0	60.8	63.4	64.7
South Cotabato	67.1	66.5	64.0	72.6	78.6	77.4	77.2	78.7	77.6	77.3
Sultan Kudarat	164.0	165.0	165.9	166.0	161.7	163.5	158.5	168.1	166.8	162.3
CARAGA	859.7	403.3	470.4	503.5	577.7	628.8	612.7	656.4	662.7	669.7
Agusan del Norte	241.8	44.4	66.4	82.6	95.5	99.6	122.1	132.5	147.6	149.8
Agusan del Sur	279.0	232.5	287.3	306.2	353.7	405.3	362.4	377.6	338.4	350.6
Dinagat Islands	..	..	..	12.5	12.2	11.5	9.8	10.0	17.3	17.4
Surigao del Norte	145.0	64.2	51.6	31.2	46.2	34.3	33.2	43.9	45.8	37.1
Surigao del Sur	193.9	62.3	65.2	71.0	70.2	78.1	85.2	92.4	113.7	114.9
ARMM	33.4	33.6	35.1	36.7	38.4	39.3	39.6	41.2	47.8	51.7
Basilan	5.5	5.6	5.7	5.8	6.0	5.9	5.7	5.9	6.3	6.2
Lanao del Sur	5.4	5.5	5.9	6.6	6.9	7.3	7.7	7.9	9.3	9.6
Maguindanao	21.5	21.5	22.1	22.7	23.1	23.3	23.3	23.8	28.1	30.9
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	1.0	1.1	1.3	1.6	2.4	2.8	2.9	3.6	4.2	5.0

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lettuce										
PHILIPPINES	**3,634.1**	**3,518.8**	**3,647.0**	**4,040.5**	**4,060.7**	**3,809.9**	**3,821.7**	**4,032.7**	**4,083.3**	**4,302.4**
CAR	1,486.2	1,233.2	1,269.7	1,283.4	1,290.9	1,203.6	1,188.0	1,209.3	1,098.9	1,331.7
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	1,371.8	1,128.8	1,157.4	1,161.1	1,155.5	1,082.3	1,049.2	1,082.3	983.0	1,231.5
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	114.4	104.3	112.3	122.3	135.4	121.3	138.8	127.0	115.9	100.2
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	..	0.1	0.9	2.1	3.5	4.0	3.2	2.9	2.5	2.4
Batanes	..	..	0.7	0.7	0.9	1.0	0.3	0.3	0.2	0.1
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	1.2	2.4	2.9	2.4	2.0	1.8	1.7
Nueva Vizcaya	..	0.1	0.2	0.2	0.2	0.2	0.4	0.6	0.5	0.6
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	..	..	..	..	..	..	1.4	0.3	1.9	7.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	0.3	0.3	0.3	0.4
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	1.6	1.6
Tarlac	..	..	..	..	..	..	1.1	..	..	5.0
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	110.3	108.7	137.4	218.6	274.3	314.5	329.5	353.4	363.8	366.3
Batangas	5.9	6.0	4.3	2.1	3.0	1.9	1.6	1.2	..	..
Cavite	96.3	97.6	108.1	114.5	111.7	149.6	146.5	171.9	191.3	186.4
Laguna	8.1	5.2	25.1	102.0	159.6	163.0	181.4	180.3	172.5	179.9
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	5.5	5.5	7.3	7.9	7.8	7.9	7.8
Marinduque	..	..	..	5.5	5.5	7.3	7.9	7.8	7.9	7.8
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	18.1	28.1	32.7	35.2	35.2	55.1	49.8	53.9	60.1	66.0
Aklan	0.6	0.6	0.6	1.3	1.1	1.3	1.3	1.4	1.5	1.6
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	0.4
Guimaras	..	..	..	..	0.1	0.0	0.1	1.0	1.4	1.1
Iloilo	17.5	27.5	32.1	33.9	34.0	53.8	48.4	51.5	57.3	63.1
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	200.7	266.6	317.3	604.5	611.7	551.6	530.1	577.9	672.5	619.2
Bohol	2.8	2.8	7.4	10.2	6.1	5.4	5.9	11.4	26.4	26.1
Cebu	51.9	74.6	96.9	100.4	115.2	112.3	110.1	107.6	104.3	100.1
Negros Oriental	146.0	189.1	212.9	493.7	489.0	433.8	413.5	458.3	541.5	492.8
Siquijor	0.0	..	0.1	0.3	1.4	0.2	0.6	0.6	0.3	0.3
EASTERN VISAYAS	0.7	0.7	0.7	0.6	0.5	0.6	0.6	1.0	10.4	10.8
Biliran	..	..	..	..	..	..	..	0.3	0.3	0.4
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	0.7	0.7	0.7	0.6	0.5	0.6	0.6	0.7	9.6	8.6
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	0.5	1.9
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	18.3	20.4	21.3	22.8	24.3	24.1	23.6	23.1	23.6	23.6
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	0.0
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	18.3	20.4	21.3	22.8	24.3	24.1	23.6	23.1	23.6	23.6
NORTHERN MINDANAO	1,757.1	1,816.1	1,821.3	1,817.9	1,759.4	1,593.2	1,602.8	1,687.1	1,728.1	1,754.2
Bukidnon	1,740.0	1,795.0	1,790.0	1,780.0	1,720.0	1,560.0	1,571.0	1,657.0	1,697.0	1,721.0
Camiguin	0.1	5.1	2.3	1.9	1.4	1.5	0.7	0.7	0.7	0.8
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	0.1	..	..
Misamis Oriental	17.0	16.0	29.0	36.0	38.0	31.7	31.2	29.4	30.4	32.4
DAVAO REGION	4.8	4.8	5.0	5.3	6.2	6.4	34.0	60.6	59.1	62.4
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	0.6	0.6	0.7	0.8	0.8	1.1	1.0	1.0	1.1	1.1
City of Davao	4.3	4.2	4.3	4.5	5.3	5.3	33.0	59.6	58.0	61.3
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	37.3	39.8	40.5	44.8	49.2	49.5	50.6	51.3	50.7	47.7
North Cotabato	36.7	39.3	40.0	44.4	48.8	49.1	50.2	50.9	50.3	47.3
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	0.7	0.3	0.0	..	0.1	..	0.3	4.1	3.8	2.7
Agusan del Norte	0.7	0.3	0.0	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	0.1	..	0.3	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	3.4	3.1	2.2
Surigao del Sur	..	..	..	..	..	..	..	0.7	0.8	0.5
ARMM	..	..	..	..	..	..	..	..	..	0.5
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	0.5
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mung bean/Mongo										
PHILIPPINES	**27,055.2**	**32,960.0**	**32,365.7**	**32,422.0**	**32,144.2**	**33,622.9**	**34,038.9**	**35,340.7**	**36,663.9**	**36,248.4**
CAR	130.9	140.5	140.8	134.1	133.0	128.4	124.2	111.2	93.3	79.7
Abra	..	12.0	12.2	12.4	13.0	13.2	13.0	13.2	12.9	13.0
Apayao	3.4	3.9	3.9	4.6	5.4	5.9	6.3	6.7	5.3	5.9
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	72.7	68.5	70.4	69.0	68.1	63.3	55.4	50.3	37.4	33.4
Kalinga	23.6	24.6	24.7	25.3	25.9	28.0	29.7	20.8	18.3	10.0
Mountain Province	31.2	31.5	29.6	22.8	20.7	18.0	19.9	20.2	19.4	17.4
ILOCOS REGION	11,146.0	11,080.3	11,230.1	11,473.2	12,105.3	11,875.0	12,369.2	12,619.3	12,677.5	13,181.3
Ilocos Norte	4,994.2	4,917.8	4,988.4	4,900.3	4,989.0	5,073.2	5,127.2	5,308.2	5,287.0	5,477.1
Ilocos Sur	733.1	806.9	810.1	838.4	873.1	905.7	941.5	895.4	903.9	929.7
La Union	182.8	179.9	175.6	180.8	193.5	200.4	203.4	226.6	233.7	246.1
Pangasinan	5,235.9	5,175.8	5,256.1	5,553.7	6,049.8	5,695.7	6,097.1	6,189.1	6,253.0	6,528.4
CAGAYAN VALLEY	3,949.8	10,028.5	9,032.2	8,453.4	7,164.3	8,251.6	8,282.8	7,817.6	7,346.0	6,859.9
Batanes	..	..	1.2	1.3	0.8	0.6	0.7	0.6	0.5	0.4
Cagayan	443.3	508.7	454.4	491.5	616.8	726.5	926.1	971.7	934.5	958.8
Isabela	3,494.8	9,507.7	8,565.1	7,950.6	6,478.8	7,419.7	7,205.8	6,690.5	6,260.0	5,751.4
Nueva Vizcaya	..	0.8	1.5	1.5	60.3	95.9	137.8	143.8	142.7	139.9
Quirino	11.8	11.4	10.0	8.5	7.6	8.9	12.4	11.1	8.3	9.3
CENTRAL LUZON	2,201.2	2,554.1	2,918.0	3,297.7	3,489.2	3,880.3	4,014.6	5,487.4	7,070.1	6,596.6
Aurora	..	..	..	..	..	..	..	1.5	1.9	1.8
Bataan	4.0	3.6	3.2	3.4	3.5	4.0	3.7	3.5	3.4	3.5
Bulacan	17.5	24.1	23.5	25.9	27.0	63.3	79.1	55.0	57.5	65.6
Nueva Ecija	50.6	51.7	50.5	49.8	50.5	133.1	128.9	133.5	129.7	159.8
Pampanga	21.5	30.0	39.4	36.0	45.5	52.5	49.4	70.3	69.5	77.2
Tarlac	2,073.6	2,409.2	2,764.4	3,144.6	3,322.7	3,558.0	3,684.4	5,176.0	6,764.0	6,242.0
Zambales	33.9	35.5	37.1	38.1	40.0	69.5	69.1	47.7	44.1	46.8
CALABARZON	132.5	136.0	117.2	106.8	93.2	102.6	103.9	96.8	82.5	64.2
Batangas	20.0	17.5	9.0	3.5	4.3	4.0	2.9	2.3	2.3	..
Cavite	3.0	2.7	3.0	2.9	2.9	2.7	2.6	3.0	3.2	2.6
Laguna	..	0.1	0.1	0.1	0.1	0.2	4.3	0.0	..	..
Quezon	105.4	111.7	101.2	96.2	81.4	88.7	87.1	83.7	77.0	61.6
Rizal	4.1	4.0	3.9	4.1	4.5	7.0	7.0	7.8	..	..
MIMAROPA	597.1	640.2	663.0	719.4	726.5	768.5	787.5	761.7	777.3	762.9
Marinduque	44.1	43.5	44.4	47.9	47.4	50.6	55.9	51.3	52.1	52.7
Occidental Mindoro	482.9	525.8	544.9	595.6	591.5	628.0	614.9	594.8	612.6	617.0
Oriental Mindoro	2.7	3.2	4.3	4.8	14.3	13.7	42.0	40.9	37.2	20.0
Palawan	27.5	29.6	31.9	33.4	37.3	38.2	37.9	38.5	38.0	38.3
Romblon	39.8	38.1	37.5	37.6	36.0	38.1	36.8	36.3	37.3	34.9
BICOL REGION	156.8	147.1	166.2	180.7	165.5	161.5	157.8	158.2	150.8	150.2
Albay	68.0	63.7	59.6	53.8	40.6	34.2	30.7	27.4	26.1	25.0
Camarines Norte	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.6
Camarines Sur	28.5	27.3	28.1	28.7	28.0	27.7	29.4	29.3	31.8	31.2
Catanduanes	7.2	7.1	7.1	7.4	7.3	7.6	5.1	6.9	3.5	5.8
Masbate	19.5	18.3	38.2	57.4	55.6	54.6	57.6	58.6	54.6	57.8
Sorsogon	33.2	30.2	32.6	32.8	33.4	36.9	34.5	35.3	34.2	29.8
WESTERN VISAYAS	2,806.7	2,552.3	2,501.4	2,512.9	2,696.2	2,869.7	2,736.1	2,762.4	2,920.4	2,952.5
Aklan	114.1	112.6	107.6	111.9	93.6	94.6	95.4	97.3	101.0	91.8
Antique	1,535.7	1,186.1	1,078.6	1,078.4	1,027.5	1,052.8	1,123.7	936.9	993.1	1,177.3
Capiz	38.4	43.2	41.2	39.5	37.5	39.8	40.2	39.6	35.8	33.5
Guimaras	22.1	20.8	22.4	22.3	25.2	23.9	18.3	24.3	30.6	33.6
Iloilo	805.0	911.0	973.6	981.5	1,238.5	1,383.0	1,184.0	1,392.0	1,485.0	1,343.0
Negros Occidental	291.4	278.6	278.0	279.3	273.8	275.5	274.6	272.3	274.8	273.4
CENTRAL VISAYAS	673.5	584.4	557.6	574.6	566.5	538.7	489.9	514.8	487.1	460.6
Bohol	39.7	28.1	31.0	30.1	30.2	28.7	6.1	22.9	26.9	24.5
Cebu	324.0	264.8	248.8	271.0	277.2	268.6	231.7	220.4	212.6	219.0
Negros Oriental	271.5	252.5	243.8	243.1	231.3	215.3	231.0	251.4	228.8	202.1
Siquijor	38.3	39.1	34.0	30.4	27.9	26.2	21.2	20.2	18.8	15.1
EASTERN VISAYAS	273.8	272.4	270.6	181.6	158.8	165.4	156.5	146.1	132.5	127.1
Biliran	2.7	2.7	2.6	2.5	2.3	2.5	2.6	2.4	1.8	1.8
Eastern Samar	11.5	11.5	11.7	9.4	8.8	8.8	7.5	0.1	..	..
Leyte	236.0	234.3	232.7	147.6	126.0	132.9	127.5	124.9	112.4	107.3
Northern Samar	4.9	5.0	5.3	5.5	5.6	5.4	3.9	3.7	3.5	3.1
Samar (Western Samar)	11.4	7.4	7.4	7.4	7.4	7.5	7.3	7.7	7.6	7.8
Southern Leyte	7.3	11.6	11.0	9.2	8.7	8.3	7.8	7.5	7.3	7.2
ZAMBOANGA PENINSULA	210.1	197.9	198.5	220.3	239.2	232.1	226.3	225.1	232.9	228.7
Zamboanga del Norte	57.4	57.1	58.2	68.6	72.1	69.7	60.3	56.4	64.4	62.1
Zamboanga del Sur	65.1	56.9	55.0	60.5	80.3	77.7	77.0	78.8	80.5	77.6
Zamboanga Sibugay	37.1	31.9	32.0	32.2	26.6	25.9	30.1	30.9	28.8	29.5
City of Zamboanga	50.5	52.0	53.3	58.9	60.2	58.8	58.9	59.0	59.3	59.4
NORTHERN MINDANAO	376.9	372.9	372.6	375.4	366.4	377.2	366.4	374.0	354.3	346.5
Bukidnon	33.0	32.0	28.0	37.0	42.0	38.5	39.7	45.4	48.5	50.4
Camiguin	2.4	2.3	2.0	1.8	1.3	1.1	0.9	0.9	0.8	0.8
Lanao del Norte	258.0	246.0	254.0	242.0	231.0	238.5	233.0	223.0	204.5	195.5
Misamis Occidental	50.4	56.5	56.6	59.7	65.3	74.2	72.1	69.2	57.9	53.6
Misamis Oriental	33.1	36.1	32.0	35.0	26.9	25.0	20.7	35.5	42.6	46.3
DAVAO REGION	993.1	946.4	930.9	917.9	952.4	935.0	939.6	969.9	972.7	962.0
Davao del Norte	464.7	481.3	466.3	468.6	477.7	470.9	475.3	478.9	471.1	472.2
Davao del Sur	355.0	328.6	338.4	337.1	347.1	334.4	332.2	351.5	347.6	311.3
City of Davao	99.3	76.4	72.2	67.7	77.7	80.7	83.6	89.0	104.2	107.6
Davao Oriental	38.8	37.2	36.3	35.8	43.3	41.5	41.2	41.2	40.7	40.9
Davao de Oro (Compostela Valley)	35.4	23.0	17.8	8.7	6.6	7.5	7.3	9.3	9.1	8.9
Davao Occidental	..	..	..	..	..	..	..	..	..	21.2
SOCCSKSARGEN	493.9	465.8	482.4	487.7	472.8	445.5	413.4	393.8	372.5	382.4
North Cotabato	347.0	343.7	343.4	337.3	321.3	303.3	289.6	280.0	268.6	268.3
Sarangani	27.6	29.7	31.2	32.7	32.2	27.0	22.0	23.8	24.6	25.1
South Cotabato	30.0	33.3	49.5	70.6	74.9	70.1	57.9	61.4	58.3	63.6
Sultan Kudarat	89.3	59.1	58.3	47.1	44.4	45.2	43.9	28.6	21.0	25.4
CARAGA	146.2	116.6	164.2	151.9	182.3	239.5	241.4	271.8	266.3	284.1
Agusan del Norte	45.2	25.6	32.4	24.4	23.8	21.8	20.9	22.0	21.3	22.2
Agusan del Sur	55.1	59.3	105.0	98.4	127.8	187.9	183.2	214.3	205.7	223.2
Dinagat Islands	..	..	..	1.3	0.9	0.8	0.6	0.8	3.7	2.9
Surigao del Norte	25.8	17.6	12.0	10.9	11.8	8.5	10.7	11.0	11.9	9.8
Surigao del Sur	20.1	14.2	14.9	16.8	18.1	20.6	26.0	23.7	23.8	26.1
ARMM	2,766.8	2,724.9	2,620.1	2,634.6	2,632.5	2,652.0	2,629.4	2,630.4	2,727.8	2,809.8
Basilan	10.8	9.9	8.9	9.0	9.4	9.0	4.0	3.0	2.8	2.3
Lanao del Sur	21.8	21.1	20.7	21.9	21.7	23.0	23.3	23.3	21.0	20.8
Maguindanao	2,635.0	2,589.5	2,491.0	2,507.7	2,509.8	2,531.8	2,530.6	2,530.6	2,629.2	2,711.3
Sulu	95.8	100.1	95.3	91.5	87.6	84.2	68.0	70.1	71.7	72.4
Tawi-tawi	3.5	4.3	4.3	4.4	4.1	4.0	3.6	3.4	3.2	2.9

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Onion (mature bulb)										
PHILIPPINES	**135,377.3**	**128,387.2**	**124,889.6**	**134,239.0**	**203,651.4**	**181,207.8**	**122,594.0**	**184,427.0**	**172,666.0**	**222,082.3**
CAR	..	..	..	..	..	..	..	..	..	..
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	42,090.8	40,620.5	40,421.2	39,770.1	39,727.4	40,048.3	38,471.6	40,292.2	38,319.9	38,827.6
Ilocos Norte	18,528.2	19,991.7	20,570.2	20,274.7	20,298.9	19,907.7	19,226.4	19,315.3	18,660.8	18,598.1
Ilocos Sur	16,084.2	15,857.2	15,245.3	14,805.7	15,061.4	15,513.8	15,156.5	16,939.4	17,021.8	17,059.0
La Union	30.5	23.5	23.3	21.5	23.1	80.0	120.3	126.0	148.7	450.0
Pangasinan	7,448.0	4,748.1	4,582.4	4,668.2	4,344.0	4,546.8	3,968.3	3,911.5	2,488.7	2,720.5
CAGAYAN VALLEY	3,183.4	4,799.0	2,827.9	7,277.4	7,628.2	7,018.8	7,837.8	8,663.9	8,854.2	8,880.4
Batanes	..	..	66.1	69.1	71.5	72.0	67.6	71.6	63.5	65.8
Cagayan	42.0	43.5	43.2	45.1	41.6	37.9	32.2	32.3	28.7	25.4
Isabela	29.9	28.0	23.4	16.2	12.6	19.2	10.9	8.2	12.2	11.8
Nueva Vizcaya	3,111.5	4,727.5	2,695.2	7,147.1	7,502.4	6,889.9	7,727.1	8,551.9	8,749.8	8,777.3
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	74,868.4	73,535.3	72,499.9	73,911.1	142,344.0	115,907.5	61,075.4	115,553.4	106,254.9	138,795.3
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	6.8
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	74,678.4	73,500.4	72,481.4	73,854.2	142,279.4	115,834.6	61,002.6	115,474.4	105,087.2	135,628.5
Pampanga	3.0	2.8	3.5	4.5	4.5	4.7	4.7	4.6	3.1	..
Tarlac	174.0	18.4	..	36.5	43.0	48.7	49.7	56.3	1,147.0	3,143.0
Zambales	13.1	13.8	15.0	15.9	17.0	19.5	18.4	18.1	17.6	17.0
CALABARZON	220.7	366.1	329.2	390.4	372.5	298.1	214.8	170.8	155.9	85.9
Batangas	29.0	184.0	168.0	245.0	228.0	187.5	136.2	83.9	85.5	14.6
Cavite	191.7	182.1	161.2	145.4	144.5	110.6	78.6	86.8	70.4	71.3
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	14,816.7	8,888.3	8,465.3	12,589.8	13,333.9	17,579.3	14,664.6	19,405.3	18,701.5	35,055.3
Marinduque	3.9	3.9	4.0	3.9	3.8	3.9	3.6	3.2	3.2	3.2
Occidental Mindoro	14,800.2	8,870.0	8,447.9	12,571.2	13,313.8	16,575.0	13,329.5	17,147.3	16,695.9	32,750.0
Oriental Mindoro	12.6	14.4	13.4	14.7	16.4	1,000.3	1,331.5	2,254.9	2,002.3	2,302.1
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	163.8	148.6	278.6	230.7	170.1	296.7	278.0	307.0	359.6	419.0
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	163.8	148.6	278.6	230.7	170.1	296.7	278.0	307.0	359.6	419.0
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	0.7	2.5	16.7	5.2	16.7	3.6	6.1	4.8	3.6	5.0
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	..	..	..	..	..	..	..	..	..	..
Negros Oriental	..	..	..	..	5.0	1.9	6.0	4.4	3.1	3.5
Siquijor	0.7	2.5	16.7	5.2	11.7	1.7	0.2	0.4	0.6	1.5
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	0.0
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	0.0
ZAMBOANGA PENINSULA	14.3	6.1	1.9	1.8	1.7	1.6	1.4	1.1	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	2.7	2.1	1.9	1.8	1.7	1.6	1.4	1.1	..	..
Zamboanga Sibugay	11.5	4.1	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	..	0.4	..	..	..	..	..	..	..	..
Bukidnon	..	..	..	..	..	..	..	..	..	..
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	0.4	..	..	..	..	..	..	..	..
DAVAO REGION	..	..	..	..	..	..	..	..	..	..
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	..	..	..	..	..	..	..	..	..	..
City of Davao	..	..	..	..	..	..	..	..	..	..
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	18.6	20.5	49.0	62.7	56.8	52.7	44.4	27.9	16.4	13.9
North Cotabato	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	18.5	20.4	48.9	62.7	56.8	52.7	44.4	27.9	16.4	13.9
Sultan Kudarat	0.1	0.1	0.0	0.0	0.0	0.0	..	..	..	..
CARAGA	..	..	..	..	..	1.2	..	0.6	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	1.2	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	0.6	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Peanut										
PHILIPPINES	**29,623.8**	**29,734.2**	**29,136.0**	**29,091.2**	**29,195.8**	**29,194.8**	**27,920.9**	**29,373.7**	**29,428.5**	**29,300.8**
CAR	122.2	121.2	122.7	125.5	123.8	110.0	102.6	96.5	75.0	59.3
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	3.4	3.5	3.5	4.1	4.2	4.4	4.1	4.3	3.6	3.1
Benguet	10.1	9.6	9.3	9.2	8.7	7.5	8.1	8.4	6.6	4.8
Ifugao	33.5	34.5	34.6	34.6	34.8	35.8	36.0	36.3	30.1	21.7
Kalinga	9.5	9.7	10.0	11.1	10.6	9.9	9.0	6.7	7.0	6.6
Mountain Province	65.7	63.9	65.3	66.6	65.5	52.4	45.4	40.8	27.7	23.0
ILOCOS REGION	12,120.2	11,566.3	11,765.7	11,431.7	11,761.7	11,563.6	11,210.1	12,072.3	12,008.9	11,914.5
Ilocos Norte	1,255.7	1,288.0	1,332.4	1,368.1	1,405.9	1,432.4	1,442.3	1,462.3	1,499.0	1,513.9
Ilocos Sur	1,535.0	1,572.4	1,536.7	1,567.8	1,609.6	1,635.1	1,668.6	1,700.6	1,696.4	1,795.3
La Union	3,014.6	3,051.0	2,915.3	2,896.9	2,720.1	2,757.5	2,742.6	3,136.9	3,259.9	3,338.5
Pangasinan	6,315.0	5,654.9	5,981.2	5,598.8	6,026.1	5,738.6	5,356.6	5,772.6	5,553.6	5,266.8
CAGAYAN VALLEY	3,392.7	4,373.3	3,907.8	3,975.7	3,644.2	3,886.6	3,209.9	3,141.5	3,181.9	3,109.6
Batanes	..	..	2.1	2.2	1.7	1.3	1.2	0.3	0.2	0.1
Cagayan	1,509.3	1,683.1	1,878.1	1,819.0	1,705.8	2,253.4	1,674.6	1,628.6	1,721.7	1,684.5
Isabela	1,320.9	2,153.3	1,497.1	1,637.3	1,416.9	1,111.5	1,001.6	1,099.0	1,053.2	1,012.0
Nueva Vizcaya	533.8	502.3	499.9	488.9	494.3	497.4	499.3	381.8	379.8	382.9
Quirino	28.8	34.6	30.7	28.2	25.6	23.0	33.3	31.7	27.0	30.1
CENTRAL LUZON	1,731.0	1,763.7	1,742.6	1,744.4	1,821.8	1,723.6	1,724.7	1,856.5	1,735.1	1,716.4
Aurora	824.0	829.3	805.5	782.5	824.6	842.0	884.4	1,032.6	908.6	865.4
Bataan	91.9	93.0	89.0	91.0	85.6	85.8	81.0	86.6	88.3	102.6
Bulacan	31.2	32.8	33.5	35.2	41.3	52.6	46.5	46.7	43.8	43.8
Nueva Ecija	30.3	30.2	30.1	30.0	35.7	35.0	34.9	34.4	34.0	32.2
Pampanga	176.5	188.0	200.0	208.0	219.5	222.8	227.1	234.3	234.7	238.6
Tarlac	571.5	584.2	577.5	590.6	607.5	474.5	440.4	413.0	417.2	424.9
Zambales	5.6	6.2	7.0	7.2	7.6	10.9	10.5	8.9	8.5	9.0
CALABARZON	635.4	650.6	547.8	523.4	494.8	516.7	514.2	488.7	457.4	473.7
Batangas	165.0	167.8	54.0	36.6	31.5	37.4	33.9	32.0	30.5	35.3
Cavite	134.2	145.0	162.1	163.6	144.1	145.4	152.9	145.1	105.3	133.8
Laguna	11.5	10.2	12.2	20.8	18.8	11.9	11.6	6.7	0.8	1.4
Quezon	293.5	297.2	288.2	270.3	262.8	282.8	270.7	256.7	274.8	258.9
Rizal	31.2	30.5	31.3	32.1	37.6	39.1	45.3	48.1	46.1	44.3
MIMAROPA	1,215.0	1,249.3	1,278.0	1,272.9	1,298.6	1,371.4	1,413.6	1,441.4	1,426.8	1,417.0
Marinduque	135.9	134.5	135.8	135.2	137.8	155.7	164.2	157.6	161.9	165.3
Occidental Mindoro	530.8	549.4	561.4	542.1	553.1	587.3	597.4	620.4	614.8	608.0
Oriental Mindoro	3.6	4.0	4.2	4.6	5.4	5.6	31.9	32.4	14.4	13.2
Palawan	491.5	506.9	522.3	535.6	546.2	565.2	562.9	570.6	573.6	570.6
Romblon	53.2	54.5	54.4	55.5	56.1	57.7	57.3	60.5	62.2	60.0
BICOL REGION	956.5	931.0	924.4	868.5	884.0	852.1	882.1	865.6	899.4	914.3
Albay	699.1	678.7	661.1	598.6	618.6	580.0	611.4	600.4	633.9	666.3
Camarines Norte	24.2	24.3	25.9	27.1	27.9	28.7	29.8	31.7	32.6	31.4
Camarines Sur	137.3	124.3	126.7	130.3	129.1	128.6	131.4	124.7	124.6	105.9
Catanduanes	28.8	26.5	27.7	28.8	27.4	29.8	26.6	26.0	27.3	26.5
Masbate	45.2	55.3	58.4	58.1	54.4	55.3	57.2	56.7	54.7	60.1
Sorsogon	22.1	22.0	24.6	25.7	26.6	29.7	25.7	26.2	26.4	24.1
WESTERN VISAYAS	2,061.4	2,078.7	2,093.3	2,114.6	2,183.4	2,222.5	2,072.4	2,250.6	2,393.0	2,295.9
Aklan	45.7	51.4	56.6	55.0	50.9	47.2	44.1	47.3	47.2	46.4
Antique	502.7	449.6	407.1	405.3	392.0	395.7	414.5	464.0	511.7	465.4
Capiz	57.0	56.8	58.7	59.1	59.1	58.5	57.9	60.7	63.4	63.2
Guimaras	7.6	8.6	10.1	10.5	12.7	12.8	11.5	13.8	17.8	20.0
Iloilo	1,091.5	1,146.2	1,195.0	1,222.0	1,292.5	1,324.5	1,154.8	1,273.5	1,364.5	1,315.0
Negros Occidental	356.9	366.2	365.8	362.7	376.2	383.8	389.6	391.2	388.5	385.9
CENTRAL VISAYAS	1,146.7	1,070.9	1,031.2	1,014.4	1,004.7	981.5	920.6	1,083.7	1,021.6	1,021.6
Bohol	219.1	223.0	239.9	237.1	216.0	205.9	106.5	198.5	224.4	201.1
Cebu	353.9	326.6	323.9	336.0	361.0	378.0	402.2	381.6	373.7	392.6
Negros Oriental	387.5	340.5	299.1	293.2	288.5	263.9	300.4	384.9	302.0	320.4
Siquijor	186.1	180.8	168.3	148.2	139.2	133.8	111.5	118.8	121.5	107.5
EASTERN VISAYAS	563.3	574.7	579.1	572.4	498.1	514.3	489.0	471.8	472.0	474.1
Biliran	28.7	28.2	28.2	27.6	26.1	26.1	26.2	24.3	20.1	17.9
Eastern Samar	20.1	20.2	20.6	19.8	15.1	12.2	12.2	0.2	..	0.0
Leyte	250.8	256.5	257.7	252.1	183.6	200.8	194.6	190.8	194.6	202.2
Northern Samar	66.3	67.3	69.6	71.7	73.8	73.3	65.6	64.2	65.0	64.9
Samar (Western Samar)	16.1	186.7	187.0	188.0	186.8	188.8	178.4	181.0	181.4	178.4
Southern Leyte	181.2	15.8	16.0	13.3	12.8	13.1	12.0	11.4	11.0	10.7
ZAMBOANGA PENINSULA	515.2	497.0	492.1	892.9	1,071.3	1,062.9	1,110.7	1,137.8	1,115.5	1,160.0
Zamboanga del Norte	121.8	122.9	132.4	108.8	116.3	113.9	109.1	111.6	115.1	120.2
Zamboanga del Sur	262.4	254.4	261.3	685.2	831.6	839.4	888.1	908.8	877.6	911.4
Zamboanga Sibugay	97.9	85.4	62.5	50.6	64.4	49.9	53.5	57.1	61.8	66.1
City of Zamboanga	33.2	34.3	35.9	48.3	59.0	59.7	60.1	60.4	61.0	62.3
NORTHERN MINDANAO	3,091.3	2,922.9	2,739.3	2,632.7	2,452.9	2,402.5	2,415.7	2,457.3	2,509.3	2,595.2
Bukidnon	475.0	503.0	496.0	510.0	527.0	506.0	504.0	544.0	572.0	594.0
Camiguin	9.3	9.1	9.4	8.8	8.0	7.5	8.2	9.9	9.6	8.2
Lanao del Norte	2,561.0	2,364.0	2,180.0	2,050.0	1,870.0	1,841.3	1,854.6	1,844.0	1,860.0	1,920.0
Misamis Occidental	22.6	24.3	32.5	28.6	28.2	28.9	28.9	30.6	26.9	27.4
Misamis Oriental	23.4	22.5	21.4	35.4	19.8	18.9	20.1	28.8	40.9	45.6
DAVAO REGION	653.5	580.1	548.3	542.8	555.4	568.3	545.5	577.2	591.1	587.4
Davao del Norte	66.2	68.1	70.4	71.3	77.7	80.9	78.7	78.4	76.9	72.2
Davao del Sur	67.8	68.9	60.5	60.0	58.7	62.7	60.6	55.5	60.9	56.1
City of Davao	297.4	241.4	235.9	242.2	244.9	247.8	235.9	257.9	263.7	267.2
Davao Oriental	46.7	43.6	40.2	39.7	41.4	38.9	36.4	35.9	35.4	35.6
Davao de Oro (Compostela Valley)	175.5	158.2	141.4	129.7	132.8	138.0	134.0	149.5	154.4	150.1
Davao Occidental	..	..	..	..	..	..	..	..	..	6.2
SOCCSKSARGEN	644.4	657.8	683.9	674.2	671.3	646.9	554.3	629.3	693.6	693.8
North Cotabato	233.4	226.8	229.5	239.4	236.8	235.1	205.2	176.4	175.9	175.5
Sarangani	41.2	43.4	44.2	45.8	45.3	36.5	29.2	31.8	32.8	32.9
South Cotabato	25.8	26.0	30.0	30.9	33.4	30.9	41.4	42.5	45.4	48.5
Sultan Kudarat	344.0	361.6	380.2	358.1	355.7	344.3	278.5	378.5	439.5	437.0
CARAGA	162.4	92.4	104.0	124.5	150.9	201.8	200.3	240.8	268.9	281.7
Agusan del Norte	50.6	13.4	14.6	22.4	22.7	20.4	18.1	16.8	16.9	19.2
Agusan del Sur	68.5	42.2	53.8	65.4	89.6	143.9	143.3	185.7	199.2	213.1
Dinagat Islands	..	..	..	0.7	0.5	0.5	0.4	0.7	6.0	4.2
Surigao del Norte	13.5	10.9	8.8	6.3	6.2	5.2	5.4	6.0	7.0	5.5
Surigao del Sur	29.8	25.9	26.8	29.6	32.0	31.9	33.0	31.6	39.8	39.8
ARMM	612.6	604.4	575.9	580.5	578.9	570.3	555.3	562.9	579.0	586.5
Basilan	48.5	47.0	47.1	47.6	46.3	43.6	41.3	43.2	46.8	47.8
Lanao del Sur	203.5	197.7	183.6	192.4	194.7	192.9	194.2	194.4	198.2	198.7
Maguindanao	125.0	126.9	124.1	127.4	128.3	129.8	128.9	133.3	139.9	148.3
Sulu	180.0	179.0	171.0	169.1	166.9	164.9	154.0	157.9	161.3	160.2
Tawi-tawi	55.7	53.8	50.2	44.1	42.7	39.1	37.0	34.2	32.9	31.7

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pechay, Chinese										
PHILIPPINES	**52,221.8**	**50,581.2**	**51,618.0**	**51,798.2**	**52,243.4**	**51,434.8**	**50,745.5**	**50,265.6**	**49,662.1**	**51,454.4**
CAR	46,497.3	44,388.6	45,170.0	45,058.4	45,145.3	44,676.8	43,983.9	43,376.0	42,566.0	44,304.5
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	0.7	0.7	0.8
Benguet	43,234.5	41,492.2	42,349.0	42,118.8	42,166.5	41,914.5	41,208.9	40,418.5	39,765.0	41,919.0
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	12.2	12.6	12.8	5.5	..	..	..	..	..	..
Mountain Province	3,250.6	2,883.7	2,808.2	2,934.1	2,978.8	2,762.3	2,775.0	2,956.8	2,800.3	2,384.8
ILOCOS REGION	2.6	3.0	2.7	2.2	0.8	0.7	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	2.6	3.0	2.7	2.2	0.8	0.7	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	146.1	177.6	192.9	156.5	141.6	132.6	157.4	187.4	209.2	200.2
Batanes	..	..	..	..	..	1.4	1.2	0.3	0.2	0.1
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	..	..	..	..	..	..	..	..	..	..
Nueva Vizcaya	146.1	177.6	192.9	156.5	141.6	131.2	156.2	186.1	207.6	198.4
Quirino	..	..	..	..	..	..	..	1.0	1.4	1.7
CENTRAL LUZON	..	..	..	..	..	..	1.0	1.0	9.0	10.9
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	1.0	1.0	1.0	1.0
Nueva Ecija	..	..	..	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	8.0	9.8
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	150.7	165.6	163.4	164.9	153.3	161.2	122.9	121.2	122.5	132.8
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	64.2	106.5	110.7	111.4	114.3	114.6	78.6	79.4	78.4	90.8
Quezon	86.5	59.0	52.7	53.6	38.9	46.5	44.3	41.8	44.0	42.0
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	3,013.6	3,256.5	3,339.2	3,570.0	3,689.4	3,471.2	3,510.6	3,515.4	3,584.4	3,537.1
Bohol	16.7	13.3	10.3	8.7	1.6	1.2	1.5	1.9	2.7	6.0
Cebu	2,789.7	3,061.6	3,130.3	3,414.1	3,564.8	3,376.6	3,373.2	3,376.6	3,463.1	3,388.7
Negros Oriental	207.2	181.6	198.6	147.3	123.0	92.5	136.0	136.9	118.6	142.4
Siquijor	..	..	..	..	0.0	0.9	..	..	..	..
EASTERN VISAYAS	1.7	1.6	1.6	1.6	1.5	2.1	1.9	0.9	2.2	12.3
Biliran	1.7	1.6	1.6	1.6	1.5	2.1	1.9	0.9	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	2.2	12.3
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	77.2	78.5	79.9	89.6	84.4	82.8	80.0	72.1	74.9	74.8
Zamboanga del Norte	21.9	20.8	20.5	21.1	21.0	19.6	19.8	16.7	16.3	15.9
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	55.3	57.7	59.4	68.5	63.4	63.2	60.1	55.4	58.7	58.9
NORTHERN MINDANAO	1,605.7	1,777.9	1,917.1	1,992.5	2,260.3	2,174.8	2,183.6	2,239.5	2,297.0	2,343.1
Bukidnon	1,405.0	1,550.0	1,660.0	1,770.0	1,830.0	1,775.0	1,846.0	1,908.0	2,012.0	2,055.0
Camiguin	0.7	..	0.1	0.4	0.4	0.4	0.2	0.3	0.2	0.1
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	25.0	27.9	30.1	35.1	40.0	43.4	38.4	34.0	29.0	26.8
Misamis Oriental	175.0	200.0	227.0	187.0	390.0	356.0	299.0	297.2	255.8	261.2
DAVAO REGION	403.9	407.9	399.5	390.7	375.2	387.4	385.3	414.0	448.7	502.0
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	312.6	318.3	322.7	323.8	323.7	335.0	337.0	352.8	380.5	433.2
City of Davao	22.1	23.3	23.8	25.2	26.3	26.7	27.3	44.2	51.2	51.9
Davao Oriental	10.8	6.9	3.9	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	58.4	59.4	49.1	41.6	25.1	25.7	21.1	17.0	17.0	16.9
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	323.0	324.1	351.7	371.9	391.6	345.3	318.9	338.2	348.2	336.7
North Cotabato	301.8	302.1	315.5	324.2	336.0	293.9	271.7	282.5	290.7	276.5
Sarangani	7.1	5.2	4.8	3.9	3.7	2.9	1.8	1.6	1.5	1.0
South Cotabato	14.2	16.8	27.5	38.1	46.1	42.8	39.4	47.2	49.4	51.4
Sultan Kudarat	..	..	3.9	5.8	5.8	5.7	6.0	7.0	6.8	7.8
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pechay, Native										
PHILIPPINES	**44,860.8**	**44,525.4**	**45,126.0**	**45,983.2**	**45,645.1**	**46,581.8**	**46,657.6**	**48,625.1**	**47,989.9**	**47,302.5**
CAR	4,132.8	4,101.8	4,109.6	4,063.5	3,972.0	3,783.5	3,641.4	3,359.0	3,082.6	3,041.3
Abra	7.8	7.8	8.0	8.4	10.3	10.1	9.8	10.0	9.1	9.3
Apayao	2.6	2.5	2.7	4.7	5.1	6.0	4.6	4.8	3.9	3.7
Benguet	3,747.7	3,717.7	3,722.0	3,659.2	3,568.3	3,379.2	3,263.9	3,000.1	2,753.0	2,745.5
Ifugao	145.3	149.3	150.3	149.9	151.3	155.3	150.0	139.0	131.6	109.2
Kalinga	70.4	72.4	79.5	99.0	101.3	100.6	87.4	83.6	71.9	80.9
Mountain Province	159.0	152.2	147.1	142.3	135.8	132.4	125.8	121.6	113.1	92.7
ILOCOS REGION	2,145.7	2,230.4	2,296.2	2,256.1	2,303.5	2,337.4	2,394.3	2,442.2	2,490.4	2,530.3
Ilocos Norte	757.5	767.0	789.8	805.0	825.2	847.3	853.0	870.6	891.6	910.6
Ilocos Sur	133.3	127.8	131.3	135.0	130.2	133.5	143.8	148.0	145.8	151.6
La Union	83.3	84.7	89.7	93.9	107.6	102.5	101.3	114.2	115.4	117.6
Pangasinan	1,171.6	1,251.0	1,285.4	1,222.2	1,240.5	1,254.1	1,296.3	1,309.3	1,337.6	1,350.5
CAGAYAN VALLEY	5,334.5	5,338.6	5,501.9	5,533.2	5,687.7	5,725.5	5,885.8	6,533.1	6,276.2	6,021.2
Batanes	..	..	30.4	20.8	22.8	17.3	19.9	21.2	20.3	20.0
Cagayan	2,510.8	2,527.3	2,526.0	2,527.6	2,742.1	2,816.2	2,954.6	3,416.6	3,243.6	2,929.4
Isabela	2,106.2	2,214.7	2,340.6	2,413.9	2,359.5	2,328.2	2,370.6	2,501.8	2,371.2	2,444.3
Nueva Vizcaya	637.3	510.0	537.9	501.4	485.1	483.7	450.6	509.8	535.7	512.3
Quirino	80.3	86.6	67.0	69.5	78.3	80.2	90.1	83.6	105.4	115.1
CENTRAL LUZON	2,813.2	2,774.5	2,797.5	2,865.9	3,051.6	3,151.2	3,296.9	3,696.7	3,564.3	3,848.9
Aurora	62.0	62.6	61.3	59.0	65.2	67.6	73.6	67.2	68.0	52.6
Bataan	61.2	57.9	58.8	56.7	59.1	59.7	58.0	66.8	61.8	65.5
Bulacan	968.0	940.0	942.0	1,006.0	1,150.0	1,186.5	1,289.7	1,366.0	1,386.0	1,489.9
Nueva Ecija	910.2	909.0	912.3	911.9	878.2	882.2	846.5	1,138.5	1,079.5	1,136.4
Pampanga	198.5	197.0	209.0	224.0	259.5	275.0	276.0	291.8	316.5	344.5
Tarlac	502.9	486.8	479.5	466.4	473.7	488.1	569.5	579.4	469.3	581.2
Zambales	110.4	121.2	134.7	142.0	166.0	192.1	183.5	187.1	183.2	178.8
CALABARZON	6,377.5	6,777.3	6,939.9	6,929.7	6,877.3	7,161.5	7,017.3	6,896.0	6,408.2	6,192.4
Batangas	559.5	576.0	525.0	423.0	428.0	479.6	486.3	554.8	441.0	360.8
Cavite	197.8	196.3	265.0	259.2	256.0	262.9	235.4	233.3	233.4	264.5
Laguna	1,029.2	977.6	959.7	951.4	956.3	958.2	1,027.6	1,043.0	999.8	1,015.8
Quezon	4,251.6	4,685.5	4,838.0	4,946.1	4,870.1	5,059.8	4,871.2	4,725.3	4,380.6	4,204.7
Rizal	339.5	341.9	352.2	350.0	367.0	401.0	396.8	339.6	353.4	346.6
MIMAROPA	419.4	429.3	442.9	539.0	601.6	632.5	706.3	1,171.3	1,122.2	1,114.4
Marinduque	85.2	86.7	88.2	88.2	86.5	93.0	100.6	101.9	106.4	109.4
Occidental Mindoro	49.7	49.6	50.6	58.8	68.2	70.6	91.4	115.3	118.6	115.8
Oriental Mindoro	74.7	79.5	80.6	95.6	115.7	115.1	146.7	550.9	485.4	483.3
Palawan	149.7	149.6	157.9	230.6	256.1	276.2	288.2	306.0	311.7	307.5
Romblon	60.1	64.0	65.6	65.8	75.1	77.5	79.5	97.1	100.2	98.5
BICOL REGION	13,956.6	13,442.0	13,457.7	13,987.9	12,783.9	13,464.0	13,542.4	13,962.4	13,975.2	13,398.7
Albay	6,942.3	6,446.2	6,420.8	6,874.7	5,734.7	5,997.1	6,236.7	6,709.7	6,718.9	6,807.2
Camarines Norte	284.0	277.0	287.9	294.8	287.4	297.9	249.7	305.8	294.5	285.1
Camarines Sur	6,372.1	6,348.3	6,357.2	6,413.5	6,364.9	6,774.8	6,670.6	6,566.9	6,574.7	5,920.7
Catanduanes	69.0	65.4	67.6	69.9	68.8	71.3	72.8	67.5	63.9	61.2
Masbate	257.2	272.4	288.5	298.7	292.0	286.1	276.8	275.6	286.2	291.5
Sorsogon	32.0	32.7	35.8	36.4	36.2	36.8	35.8	36.9	37.0	33.0
WESTERN VISAYAS	1,775.2	1,824.6	1,820.5	1,784.2	1,805.0	1,917.5	1,974.8	2,053.4	2,184.4	2,164.5
Aklan	235.8	236.7	223.4	195.2	167.2	167.3	154.6	152.1	142.7	137.3
Antique	234.9	242.7	258.3	260.7	270.7	281.0	289.8	342.2	364.1	310.1
Capiz	177.1	193.5	180.2	182.9	181.4	207.9	202.0	221.5	255.2	282.4
Guimaras	70.3	71.5	72.7	73.4	76.7	78.1	70.8	95.5	92.5	88.1
Iloilo	566.1	579.0	565.0	559.0	588.0	655.1	725.1	707.0	787.4	807.0
Negros Occidental	491.0	501.2	520.9	513.0	521.1	528.1	532.6	535.0	542.5	539.7
CENTRAL VISAYAS	1,507.1	1,198.8	1,356.5	1,223.6	1,463.4	1,266.6	1,171.3	1,345.5	1,474.4	1,343.0
Bohol	624.3	425.0	497.5	538.3	706.7	588.9	464.4	570.2	606.0	581.4
Cebu	65.4	86.8	112.6	121.3	138.2	132.8	127.8	127.4	124.3	120.8
Negros Oriental	803.4	672.4	732.1	549.7	604.6	531.4	569.2	637.6	733.0	630.7
Siquijor	13.9	14.6	14.4	14.3	13.9	13.5	9.9	10.4	11.1	10.2
EASTERN VISAYAS	940.2	920.6	931.7	838.3	744.5	787.6	775.1	756.1	745.3	703.1
Biliran	117.1	113.4	112.8	111.4	98.4	99.0	98.4	98.3	74.5	60.0
Eastern Samar	55.4	54.7	58.0	47.5	42.4	44.5	45.6	42.5	38.5	41.7
Leyte	560.9	553.9	559.6	490.5	422.9	462.1	445.3	439.0	448.4	417.2
Northern Samar	16.8	17.3	17.8	18.8	19.5	18.9	19.8	20.0	20.7	21.0
Samar (Western Samar)	56.7	58.2	58.8	58.7	56.7	60.3	61.7	63.5	69.7	69.1
Southern Leyte	133.4	123.1	124.8	111.5	104.5	102.8	104.3	92.8	93.6	94.2
ZAMBOANGA PENINSULA	1,348.5	1,396.0	1,367.7	1,619.1	1,808.4	1,847.6	1,778.1	1,721.5	1,774.2	1,827.9
Zamboanga del Norte	300.6	318.4	312.8	316.0	315.4	311.1	216.0	191.0	190.7	205.7
Zamboanga del Sur	103.0	105.6	110.5	166.0	255.7	267.3	292.8	280.5	290.3	300.7
Zamboanga Sibugay	31.3	36.2	46.8	70.8	81.2	89.9	91.8	94.4	95.5	96.5
City of Zamboanga	913.7	935.8	897.5	1,066.3	1,156.2	1,179.3	1,177.6	1,155.7	1,197.7	1,225.0
NORTHERN MINDANAO	1,225.4	1,264.8	1,265.0	1,366.0	1,348.9	1,343.5	1,329.7	1,319.5	1,420.5	1,478.4
Bukidnon	203.0	214.0	219.0	228.0	205.0	210.0	216.0	228.0	240.0	249.8
Camiguin	35.8	38.9	38.5	36.2	40.6	43.7	39.1	40.9	44.2	41.5
Lanao del Norte	699.0	687.0	614.0	622.0	623.0	616.6	626.2	617.0	603.5	610.0
Misamis Occidental	105.8	126.5	143.5	152.8	160.3	172.3	179.4	184.1	196.5	207.2
Misamis Oriental	181.8	198.4	250.0	327.0	320.0	301.0	269.0	249.5	336.3	369.9
DAVAO REGION	1,275.1	1,274.2	1,255.5	1,301.6	1,420.5	1,422.2	1,378.9	1,414.6	1,430.3	1,410.2
Davao del Norte	411.1	401.6	394.5	396.1	403.3	402.7	396.5	395.4	395.6	389.6
Davao del Sur	210.5	214.1	219.2	221.6	246.5	257.3	259.5	263.9	256.1	70.0
City of Davao	63.5	81.2	84.8	94.8	101.8	101.2	99.9	147.2	161.9	163.6
Davao Oriental	232.7	218.8	218.9	210.5	216.0	205.5	194.6	190.4	187.0	189.6
Davao de Oro (Compostela Valley)	357.4	358.6	338.3	378.5	452.9	455.5	428.4	417.8	429.8	414.6
Davao Occidental	..	..	..	..	..	..	..	..	..	182.9
SOCCSKSARGEN	559.2	545.1	556.5	576.4	621.1	578.4	533.2	558.5	578.3	564.6
North Cotabato	426.3	422.3	445.4	453.0	495.4	459.2	419.7	433.4	443.3	426.8
Sarangani	33.8	21.0	19.0	14.7	14.0	11.5	6.5	7.3	7.6	8.0
South Cotabato	50.1	51.8	42.4	55.2	58.4	56.1	58.4	62.6	67.8	70.7
Sultan Kudarat	49.0	50.0	49.8	53.5	53.3	51.6	48.6	55.2	59.5	59.2
CARAGA	666.2	614.3	645.4	705.5	763.5	767.7	839.0	997.1	1,048.3	1,244.1
Agusan del Norte	105.5	102.7	126.5	139.8	151.5	105.6	112.4	110.4	105.5	98.3
Agusan del Sur	341.3	315.5	343.1	370.0	417.7	451.8	541.7	692.9	736.4	926.5
Dinagat Islands	..	..	..	3.0	2.2	1.9	1.1	1.7	8.5	8.1
Surigao del Norte	75.7	50.5	38.8	51.4	52.6	57.0	47.8	52.8	47.3	52.0
Surigao del Sur	143.7	145.6	137.0	141.4	139.6	151.3	136.1	139.4	150.6	159.3
ARMM	384.3	393.2	381.6	393.1	392.2	395.2	393.1	398.3	415.2	419.4
Basilan	12.7	12.8	13.0	13.4	13.7	13.9	13.5	13.8	14.5	14.1
Lanao del Sur	157.5	155.0	148.8	155.5	152.6	154.3	154.4	155.5	162.6	165.8
Maguindanao	108.8	108.0	97.5	101.1	102.6	105.3	107.1	106.1	107.6	109.7
Sulu	96.3	107.5	110.9	110.6	109.2	106.5	99.2	103.1	109.2	108.6
Tawi-tawi	8.9	9.9	11.5	12.7	14.2	15.2	18.9	19.8	21.2	21.3

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Radish										
PHILIPPINES	**9,875.8**	**9,660.6**	**9,635.6**	**9,827.5**	**9,879.9**	**9,959.4**	**9,515.5**	**9,301.0**	**9,118.7**	**9,092.1**
CAR	1,606.9	1,520.9	1,501.6	1,462.5	1,509.9	1,441.4	1,365.4	1,411.2	1,267.0	1,259.8
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	1,440.9	1,362.4	1,343.6	1,303.7	1,361.0	1,311.8	1,258.9	1,285.8	1,149.5	1,148.0
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	166.0	158.5	158.1	158.9	149.0	129.6	106.5	125.4	117.5	111.8
ILOCOS REGION	100.2	85.1	79.0	69.5	65.1	61.6	57.4	55.3	53.3	51.3
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	11.2	10.8	11.0	11.6	11.0	10.8	10.3	10.0	9.8	10.5
La Union	1.1	1.1	1.0	1.1	1.1	1.1	1.1	0.8	0.8	0.5
Pangasinan	87.9	73.2	67.0	56.8	53.0	49.8	46.0	44.5	42.8	40.4
CAGAYAN VALLEY	200.5	157.2	134.8	136.5	118.5	117.3	112.6	118.2	123.5	125.3
Batanes	..	..	1.4	0.5	0.6	0.4	0.2	0.2	0.2	0.1
Cagayan	12.2	17.9	18.9	19.2	18.2	19.8	20.9	24.8	29.4	29.5
Isabela	58.3	33.4	26.2	23.1	17.4	18.3	15.7	14.2	12.3	11.8
Nueva Vizcaya	130.0	106.0	88.4	93.7	82.2	78.8	75.9	76.1	77.3	78.0
Quirino	..	..	..	..	..	..	..	3.0	4.3	6.0
CENTRAL LUZON	476.5	483.6	493.9	500.8	534.7	613.4	579.8	573.3	589.2	596.5
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	3.3	2.7	2.5	2.2	3.3	3.3	3.1	3.2	3.3	3.2
Bulacan	97.9	97.9	92.3	94.4	95.6	170.3	147.8	151.5	155.3	153.4
Nueva Ecija	192.7	191.6	190.5	189.7	206.1	204.1	198.8	192.8	191.5	192.2
Pampanga	93.0	98.0	114.0	117.0	120.0	113.0	115.8	115.9	118.0	119.5
Tarlac	51.5	49.6	48.9	47.4	48.0	47.5	47.0	48.4	61.1	69.9
Zambales	38.2	43.8	45.9	50.1	61.7	75.3	67.4	61.5	60.1	58.3
CALABARZON	3,315.6	3,219.2	3,092.4	2,997.9	2,481.9	2,371.5	2,257.5	1,948.6	1,859.4	1,801.3
Batangas	146.8	139.0	116.5	60.5	30.3	28.7	32.7	35.3	35.6	32.2
Cavite	311.3	301.0	248.4	247.2	239.8	223.2	228.7	227.8	205.2	207.5
Laguna	2,162.4	2,085.2	2,054.3	2,021.4	1,545.1	1,546.7	1,501.6	1,233.3	1,188.1	1,170.3
Quezon	333.8	333.0	323.3	325.0	306.8	308.5	290.2	280.0	250.7	226.5
Rizal	361.3	361.0	349.9	343.8	360.0	264.3	204.3	172.1	179.8	164.9
MIMAROPA	114.2	128.7	139.7	158.6	179.2	190.3	193.9	225.6	225.1	213.6
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	43.3	49.8	53.6	57.9	64.1	70.2	72.9	73.0	74.4	60.2
Oriental Mindoro	3.5	3.5	3.6	3.1	4.1	7.0	7.2	28.8	22.8	24.2
Palawan	18.8	24.3	29.5	43.4	55.6	56.8	57.7	66.4	70.4	72.4
Romblon	48.7	51.2	53.1	54.3	55.4	56.3	56.1	57.5	57.6	56.9
BICOL REGION	195.8	193.1	195.1	198.0	193.1	194.5	186.4	177.6	173.5	160.2
Albay	68.5	65.4	63.2	67.9	67.4	68.1	73.5	72.5	73.6	73.4
Camarines Norte	10.1	10.9	12.0	12.2	12.4	12.7	12.1	10.7	9.7	8.4
Camarines Sur	65.9	65.3	66.4	65.5	62.9	63.3	54.0	47.4	43.0	37.4
Catanduanes	3.5	3.7	3.7	3.8	3.8	3.8	3.7	3.3	3.3	3.1
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	47.8	47.8	50.0	48.5	46.6	46.7	43.2	43.7	43.8	37.9
WESTERN VISAYAS	859.2	882.5	870.7	831.6	883.2	890.1	880.6	915.3	992.0	1,007.4
Aklan	78.2	70.6	74.3	64.1	74.0	71.7	70.3	62.4	58.5	56.2
Antique	51.2	58.9	65.9	65.6	74.3	76.1	78.0	92.5	125.9	107.4
Capiz	44.4	53.5	54.3	64.1	82.5	92.0	90.8	87.5	100.0	116.0
Guimaras	18.0	17.9	17.2	16.8	18.1	15.0	12.8	14.3	14.8	14.4
Iloilo	336.5	348.0	325.8	290.0	298.0	302.8	292.2	319.3	343.7	366.5
Negros Occidental	330.9	333.6	333.3	330.9	336.3	332.6	336.5	339.3	349.2	346.9
CENTRAL VISAYAS	572.8	618.5	760.2	993.7	1,141.7	1,290.1	1,153.8	1,087.4	1,021.2	1,051.5
Bohol	..	..	..	..	..	..	..	..	..	2.2
Cebu	252.2	263.4	304.2	289.7	307.7	301.1	274.1	265.0	247.7	234.4
Negros Oriental	320.6	355.1	456.0	704.0	834.1	989.0	879.7	822.3	773.5	814.9
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	8.3	8.4	8.3	7.8	6.6	8.4	8.2	6.1	7.0	6.7
Biliran	0.9	0.8	0.8	0.8	0.8	2.2	2.2	0.2	0.2	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	7.5	7.5	7.5	7.0	5.8	6.2	6.0	5.9	6.8	6.5
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	0.2
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	268.6	273.2	280.6	357.4	599.8	620.8	637.3	635.6	633.0	629.6
Zamboanga del Norte	15.1	16.8	17.7	31.2	33.5	33.4	31.0	24.9	25.6	24.7
Zamboanga del Sur	75.8	78.0	81.2	109.4	173.2	184.3	200.0	192.0	181.5	180.0
Zamboanga Sibugay	29.6	27.5	28.0	25.7	45.5	45.3	44.8	42.8	44.3	46.5
City of Zamboanga	148.0	150.9	153.6	191.1	347.6	357.8	361.6	375.9	381.6	378.5
NORTHERN MINDANAO	128.7	140.0	127.1	156.5	177.2	160.7	153.9	147.4	145.7	141.0
Bukidnon	67.0	70.0	57.5	51.0	53.0	54.0	58.0	62.5	67.1	72.2
Camiguin	..	..	..	..	0.0	..	0.2	0.2	0.2	0.3
Lanao del Norte	53.0	47.1	54.6	60.7	62.5	54.2	43.9	33.3	23.5	14.5
Misamis Occidental	2.7	2.9	4.0	21.8	22.7	23.1	22.4	20.0	18.9	16.8
Misamis Oriental	6.0	20.0	11.0	23.0	39.0	29.4	29.5	31.4	36.1	37.4
DAVAO REGION	1,492.2	1,424.5	1,422.7	1,430.1	1,458.1	1,472.1	1,433.3	1,449.8	1,482.0	1,507.9
Davao del Norte	118.4	111.5	102.8	101.2	106.8	100.8	97.2	100.9	102.0	99.5
Davao del Sur	173.1	172.8	180.1	176.4	184.1	195.4	196.0	198.4	206.9	209.6
City of Davao	65.5	83.2	90.5	104.9	112.7	116.1	113.3	143.7	146.3	154.0
Davao Oriental	57.6	58.0	59.6	60.6	68.8	64.3	62.2	63.2	63.7	62.8
Davao de Oro (Compostela Valley)	1,077.5	998.9	989.7	987.0	985.8	995.5	964.7	943.7	963.1	982.0
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	414.8	424.2	428.9	432.8	439.4	425.5	401.7	454.8	451.8	446.7
North Cotabato	173.0	179.2	184.7	188.2	193.2	185.6	170.2	171.8	161.2	152.6
Sarangani	36.8	34.7	35.4	35.2	34.0	31.5	28.0	30.2	31.4	32.3
South Cotabato	49.7	53.1	47.2	47.9	47.5	44.6	44.2	45.9	47.6	46.7
Sultan Kudarat	155.3	157.3	161.6	161.6	164.7	163.9	159.4	206.9	211.7	215.2
CARAGA	26.0	11.7	9.7	3.0	5.1	1.6	0.7	2.0	1.6	0.5
Agusan del Norte	6.5	6.0	5.3	0.2	0.6	0.9	0.4	1.3	0.4	0.4
Agusan del Sur	3.6	3.0	2.5	2.1	1.5	0.7	0.1	0.1	0.5	..
Dinagat Islands	..	..	..	..	..	..	..	0.6	0.6	..
Surigao del Norte	8.3	0.8	..	..	..	..	..	..	..	..
Surigao del Sur	7.7	2.0	1.9	0.8	3.0	..	0.3	0.1	0.0	0.0
ARMM	95.6	90.0	90.9	90.7	86.5	100.1	93.1	93.0	93.6	92.7
Basilan	12.5	12.8	13.1	12.9	12.9	12.5	11.5	11.7	11.9	12.2
Lanao del Sur	25.2	24.9	24.4	24.4	19.6	25.2	20.0	20.0	19.5	19.8
Maguindanao	47.4	41.8	42.4	42.6	43.2	51.8	51.8	51.6	51.5	50.0
Sulu	10.6	10.5	11.0	10.9	10.8	10.7	9.8	9.7	10.8	10.7
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Snap beans/Habitchuelas										
PHILIPPINES	**15,819.9**	**15,425.9**	**15,328.3**	**15,423.3**	**15,305.6**	**14,745.3**	**14,388.9**	**14,151.2**	**13,950.4**	**14,028.8**
CAR	8,196.0	7,960.6	8,108.0	8,119.8	8,092.1	7,756.9	7,429.3	7,169.6	6,982.1	7,186.8
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	5.5	5.7	5.9	7.4	8.7	9.7	9.2	13.1	11.9	14.6
Benguet	5,730.7	5,550.9	5,713.5	5,714.3	5,686.9	5,583.1	5,456.4	5,439.7	5,364.5	5,659.0
Ifugao	1,554.3	1,507.5	1,513.0	1,512.4	1,536.1	1,471.5	1,446.9	1,257.7	1,202.5	1,112.4
Kalinga	55.9	57.4	63.3	70.6	68.0	65.8	41.3	47.1	38.9	44.0
Mountain Province	849.7	839.1	812.3	815.2	792.4	626.9	475.5	412.0	364.2	356.8
ILOCOS REGION	322.1	321.5	334.6	350.2	358.0	357.6	350.5	381.2	369.6	370.7
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	11.2	11.7	13.1	13.6	13.7	14.2	14.4	13.8	14.1	13.2
La Union	219.0	219.5	226.7	237.6	250.0	254.5	267.4	300.1	288.7	289.5
Pangasinan	92.0	90.3	94.7	99.1	94.3	89.0	68.6	67.2	66.9	68.0
CAGAYAN VALLEY	3,904.2	3,433.9	3,097.2	2,777.5	2,580.2	2,471.1	2,428.7	2,330.2	2,305.1	2,193.4
Batanes	..	..	6.5	4.3	4.4	4.0	3.1	3.5	2.0	1.9
Cagayan	113.0	119.0	94.2	102.9	98.0	102.7	92.9	84.8	81.6	72.0
Isabela	660.9	323.5	158.1	77.3	19.1	20.3	18.3	15.6	15.5	14.1
Nueva Vizcaya	3,083.9	2,942.0	2,791.4	2,544.8	2,412.1	2,303.2	2,272.2	2,188.6	2,173.8	2,077.3
Quirino	46.5	49.4	47.0	48.3	46.7	41.0	42.3	37.7	32.2	28.2
CENTRAL LUZON	47.3	46.8	46.5	45.8	44.8	44.0	41.8	42.7	44.3	45.0
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	1.0	1.0	1.0	..
Nueva Ecija	47.3	46.8	46.5	45.8	44.8	44.0	40.8	41.7	43.3	45.0
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	135.2	164.2	187.8	191.2	192.2	209.0	190.0	209.4	238.7	283.9
Batangas	..	..	..	..	..	..	..	21.9	2.2	4.0
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	71.6	100.2	124.8	130.0	129.2	137.0	128.3	130.9	114.3	158.7
Quezon	63.6	64.0	63.0	61.2	63.0	72.0	61.8	56.6	122.1	121.2
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	3.2	1.9	4.2	3.5	3.5
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	3.2	1.9	4.2	3.5	3.5
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	813.3	816.0	833.9	871.5	682.7	702.9	758.0	784.9	700.6	749.9
Albay	358.4	374.0	394.7	430.0	255.4	270.8	285.2	306.7	320.4	319.7
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	454.4	441.5	438.7	440.9	426.8	431.6	472.3	477.8	379.8	429.9
Catanduanes	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	133.2	134.6	133.6	138.6	155.8	152.8	143.0	147.5	157.2	153.9
Aklan	7.2	7.5	7.4	6.5	6.7	6.8	6.4	6.7	6.5	6.2
Antique	5.2	6.4	7.2	7.6	7.7	8.0	7.9	9.6	9.5	10.2
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	0.1
Iloilo	76.5	74.5	72.2	77.5	91.9	90.2	80.9	84.2	94.1	93.8
Negros Occidental	44.3	46.2	46.7	47.1	49.5	47.7	47.9	47.0	47.2	43.7
CENTRAL VISAYAS	768.2	1,003.7	1,045.0	1,354.2	1,592.4	1,489.3	1,513.8	1,492.5	1,518.2	1,447.6
Bohol	50.8	38.9	29.9	21.7	15.6	10.6	6.1	10.7	15.2	18.4
Cebu	620.8	872.2	916.1	1,090.5	1,301.2	1,258.5	1,283.2	1,240.0	1,231.5	1,169.6
Negros Oriental	96.0	91.9	98.5	241.5	275.0	219.7	224.1	241.2	270.8	259.1
Siquijor	0.6	0.8	0.6	0.6	0.5	0.5	0.5	0.6	0.7	0.4
EASTERN VISAYAS	480.5	487.4	475.4	397.3	301.4	312.0	304.7	285.5	289.7	248.2
Biliran	3.9	3.8	3.8	3.6	3.5	3.6	3.6	3.0	1.2	0.9
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	387.6	391.7	392.3	354.2	276.3	287.3	281.6	263.3	269.1	228.3
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	89.0	92.0	79.4	39.4	21.6	21.1	19.6	19.3	19.3	19.0
ZAMBOANGA PENINSULA	59.5	63.5	62.6	138.8	181.5	190.5	203.6	202.7	193.5	189.7
Zamboanga del Norte	17.5	18.8	19.4	23.1	23.1	20.1	18.1	17.0	18.5	20.2
Zamboanga del Sur	19.8	21.0	19.0	89.3	123.5	134.7	150.0	146.4	134.9	128.7
Zamboanga Sibugay	5.0	5.3	5.5	5.0	4.8	5.2	5.3	7.9	8.2	8.9
City of Zamboanga	17.2	18.4	18.6	21.4	30.1	30.5	30.2	31.4	31.9	32.0
NORTHERN MINDANAO	559.9	596.0	594.9	611.5	665.7	584.9	598.2	627.8	681.7	710.2
Bukidnon	323.0	335.0	340.0	354.0	366.0	310.0	319.0	344.0	360.0	370.0
Camiguin	3.2	2.7	3.0	2.6	2.2	1.6	0.9	0.7	0.7	0.6
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	48.3	53.4	59.8	72.9	79.5	80.3	78.5	78.0	80.0	77.4
Misamis Oriental	185.4	205.0	192.0	182.0	218.0	193.0	199.8	205.0	241.1	262.2
DAVAO REGION	147.5	137.2	138.1	146.0	159.5	163.4	149.9	182.0	185.8	183.8
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	19.8	19.9	20.8	21.3	22.9	24.1	25.4	26.3	26.7	26.5
City of Davao	51.8	53.5	57.5	59.5	64.0	63.3	53.8	80.9	83.0	81.9
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	76.0	63.8	59.7	65.2	72.5	75.9	70.7	74.8	76.1	75.3
Davao Occidental	..	..	..	..	..	..	..	..	..	0.2
SOCCSKSARGEN	214.2	225.5	235.8	245.0	259.9	226.2	209.1	224.7	225.2	215.2
North Cotabato	150.6	157.9	165.5	171.6	182.7	150.2	124.2	129.4	120.4	107.9
Sarangani	11.4	9.1	8.7	7.9	7.2	6.5	5.3	4.7	3.4	2.0
South Cotabato	39.1	45.4	49.2	54.1	59.5	59.5	70.4	79.3	89.0	93.2
Sultan Kudarat	13.2	13.1	12.4	11.4	10.5	10.0	9.2	11.3	12.4	12.1
CARAGA	32.8	30.3	30.7	31.5	34.9	77.3	61.9	61.8	50.5	41.8
Agusan del Norte	0.6	0.5	0.7	0.5	0.6	0.7	0.9	0.4	0.3	0.2
Agusan del Sur	32.2	29.9	30.0	31.1	34.4	76.6	60.8	61.2	50.2	41.6
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	0.2	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	0.2	..	..
ARMM	6.0	4.9	4.5	4.4	4.5	4.4	4.6	4.8	4.9	5.2
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	6.0	4.9	4.5	4.4	4.5	4.4	4.6	4.8	4.9	5.2
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Squash Fruit										
PHILIPPINES	**244,712.9**	**223,790.8**	**222,634.2**	**223,522.5**	**222,206.9**	**217,908.1**	**214,146.7**	**206,023.5**	**202,229.1**	**194,771.1**
CAR	6,438.8	6,250.4	6,308.5	6,286.1	5,891.2	5,830.6	4,759.4	4,842.1	4,699.4	4,892.9
Abra	3,783.2	3,762.0	3,770.0	3,726.0	3,264.8	3,348.1	2,377.4	2,458.1	2,345.6	2,358.0
Apayao	258.7	157.6	217.8	530.3	664.3	684.7	742.4	740.4	864.7	974.3
Benguet	1,278.4	1,205.0	1,203.4	1,212.0	1,221.7	1,078.6	1,009.3	987.1	915.0	940.0
Ifugao	165.3	167.1	170.7	173.4	178.0	178.1	175.4	164.7	174.6	189.0
Kalinga	636.7	647.8	631.0	327.5	240.0	232.7	149.7	149.7	94.4	102.1
Mountain Province	316.6	311.0	315.7	316.9	322.4	308.4	305.2	342.2	305.1	329.5
ILOCOS REGION	17,161.3	16,695.5	17,231.2	17,352.2	17,408.2	16,886.3	16,863.7	17,701.8	17,400.2	17,401.4
Ilocos Norte	6,053.9	6,166.2	6,470.9	6,508.9	6,520.8	6,497.4	6,391.2	6,448.6	6,305.2	6,183.5
Ilocos Sur	2,043.9	2,137.7	2,235.0	2,295.5	2,244.1	2,297.5	2,339.1	2,428.5	2,508.4	2,532.3
La Union	1,967.1	1,952.4	2,005.5	2,069.5	2,198.9	2,247.5	1,923.9	2,052.4	2,033.0	2,102.3
Pangasinan	7,096.5	6,439.3	6,519.8	6,478.3	6,444.4	5,843.9	6,209.4	6,772.3	6,553.5	6,583.3
CAGAYAN VALLEY	45,635.8	38,837.4	37,312.7	34,790.2	34,095.6	32,959.8	33,474.2	31,019.2	29,546.9	27,291.6
Batanes	..	..	50.1	43.3	36.6	33.8	22.9	23.3	19.0	18.6
Cagayan	8,283.8	8,277.3	8,537.7	9,004.0	8,441.6	6,615.0	4,683.2	3,416.5	2,855.5	2,530.0
Isabela	14,790.0	9,862.2	9,259.1	9,237.6	8,443.7	7,904.6	7,118.1	6,552.1	6,347.6	6,141.2
Nueva Vizcaya	21,201.9	19,550.0	18,365.8	15,400.9	16,077.7	16,768.5	19,959.8	19,379.6	19,055.7	17,613.6
Quirino	1,360.3	1,147.9	1,100.0	1,104.5	1,096.0	1,637.9	1,690.4	1,647.7	1,269.1	988.2
CENTRAL LUZON	25,819.3	25,082.2	25,157.7	25,730.1	23,805.4	23,546.5	22,908.2	18,028.4	17,493.6	18,919.2
Aurora	649.0	649.8	646.3	617.3	662.4	658.5	465.6	449.9	403.9	377.1
Bataan	189.8	183.8	178.3	169.0	171.5	172.0	167.5	172.4	159.6	148.9
Bulacan	1,276.0	1,264.0	1,265.0	1,301.0	1,357.0	1,378.0	1,975.0	2,075.0	2,107.0	2,076.8
Nueva Ecija	20,641.9	20,277.9	20,292.9	20,800.4	18,762.7	18,895.9	17,812.8	13,206.8	12,709.8	13,938.5
Pampanga	608.0	577.0	598.0	609.4	610.0	620.0	621.8	634.7	647.7	678.4
Tarlac	1,836.6	1,494.7	1,471.5	1,507.7	1,459.4	990.3	1,007.9	566.4	478.3	521.1
Zambales	618.0	635.0	705.7	725.3	782.5	831.8	857.6	923.2	987.3	1,178.4
CALABARZON	43,365.2	40,605.2	38,597.8	38,844.5	40,281.5	41,902.0	39,408.9	35,348.4	34,615.0	33,442.0
Batangas	4,299.0	4,215.0	3,505.9	3,385.0	3,125.0	3,573.0	4,152.7	4,700.4	5,397.8	4,383.1
Cavite	4,486.9	4,447.0	4,542.4	4,411.0	4,091.3	4,231.7	4,174.6	2,512.2	2,290.3	1,919.7
Laguna	8,061.9	8,505.4	8,368.7	8,436.9	8,017.9	8,184.9	7,560.3	6,018.4	5,835.5	5,925.7
Quezon	26,385.8	23,282.8	22,025.0	22,453.2	24,882.0	25,739.2	23,378.4	21,961.9	20,932.2	21,031.0
Rizal	131.6	155.1	155.9	158.5	165.2	173.4	142.9	155.6	159.2	182.6
MIMAROPA	1,495.1	1,541.6	1,587.4	1,737.4	1,880.5	2,004.2	2,254.6	3,032.1	2,985.0	3,041.3
Marinduque	510.7	515.2	524.2	531.5	517.3	565.6	604.5	630.1	615.6	612.9
Occidental Mindoro	126.4	125.4	128.0	183.0	213.3	236.5	252.3	305.0	310.8	315.4
Oriental Mindoro	133.0	139.6	141.2	160.2	211.5	201.6	372.0	1,034.7	972.4	1,103.8
Palawan	63.2	75.7	98.4	161.1	223.8	274.3	289.1	310.1	318.2	310.4
Romblon	661.7	685.7	695.5	701.6	714.6	726.3	736.8	752.2	768.0	698.9
BICOL REGION	33,162.2	31,339.6	32,747.1	34,300.3	33,948.7	33,001.8	33,179.3	31,660.8	31,761.6	26,609.4
Albay	26,449.0	24,720.2	25,953.6	27,393.2	27,198.0	26,174.2	26,431.0	25,356.1	25,230.7	20,962.9
Camarines Norte	2,776.0	2,725.0	2,839.0	2,904.5	2,838.8	2,930.1	2,840.9	2,396.4	2,534.4	2,000.4
Camarines Sur	1,774.6	1,765.9	1,782.7	1,784.9	1,763.2	1,793.3	1,811.9	1,824.8	1,863.5	1,643.6
Catanduanes	1,050.1	1,031.0	1,015.2	1,035.6	1,014.0	976.0	963.6	913.5	958.6	853.7
Masbate	677.9	655.0	684.8	713.0	682.7	680.7	678.9	705.2	705.0	736.1
Sorsogon	434.7	442.6	471.8	469.2	452.0	447.5	453.1	464.8	469.5	412.6
WESTERN VISAYAS	15,831.8	14,981.4	14,480.3	14,396.2	14,176.4	13,944.5	14,049.6	14,444.4	14,639.5	13,766.5
Aklan	1,129.4	1,112.3	1,106.5	1,042.7	992.7	963.4	872.9	840.1	825.0	810.0
Antique	827.8	715.5	731.0	737.9	759.0	728.0	755.8	875.2	925.2	907.5
Capiz	1,468.9	1,348.4	1,339.8	1,281.6	1,199.9	1,190.2	1,108.6	1,102.5	1,150.0	1,208.2
Guimaras	209.3	228.8	238.8	245.9	266.1	259.0	225.9	267.9	303.0	303.5
Iloilo	6,667.0	6,149.0	5,947.0	5,870.0	5,650.8	5,555.2	5,850.5	6,110.5	6,243.0	5,390.0
Negros Occidental	5,529.5	5,427.5	5,117.3	5,218.1	5,307.9	5,248.6	5,236.0	5,248.2	5,193.3	5,147.3
CENTRAL VISAYAS	18,292.5	12,750.3	12,586.2	12,287.1	11,518.3	9,020.7	7,654.4	7,597.5	7,481.2	7,007.9
Bohol	1,437.1	1,163.1	1,158.0	1,236.4	1,007.0	984.0	952.6	1,030.1	917.6	877.7
Cebu	9,939.1	7,224.0	6,918.4	6,456.3	5,929.7	5,209.0	4,934.2	4,778.4	4,694.3	4,456.7
Negros Oriental	6,616.7	4,055.7	4,231.4	4,310.1	4,303.3	2,556.5	1,512.7	1,536.0	1,604.9	1,427.6
Siquijor	299.7	307.6	278.4	284.3	278.4	271.3	255.0	252.9	264.4	245.9
EASTERN VISAYAS	2,187.5	2,200.4	2,210.2	2,107.2	2,019.2	2,052.9	2,035.4	1,992.1	1,934.4	1,901.9
Biliran	356.3	345.0	344.8	343.4	339.4	340.3	341.7	329.6	277.0	247.0
Eastern Samar	186.5	186.7	187.5	171.3	164.6	148.9	144.4	137.3	124.9	121.5
Leyte	764.9	775.6	805.2	723.0	641.5	683.8	683.4	648.8	650.1	626.6
Northern Samar	210.0	215.8	222.2	231.5	237.7	239.3	229.0	233.5	236.9	236.5
Samar (Western Samar)	386.8	390.6	392.6	393.1	390.0	401.8	401.0	411.8	413.8	442.0
Southern Leyte	283.1	286.9	257.9	244.9	246.1	238.8	236.0	231.1	231.7	228.4
ZAMBOANGA PENINSULA	5,618.7	5,463.8	5,409.6	6,065.7	6,676.7	6,500.3	6,337.3	6,078.9	6,090.4	6,053.9
Zamboanga del Norte	972.4	1,004.7	999.8	1,224.2	1,236.3	1,174.2	1,162.7	1,122.8	1,118.5	1,139.2
Zamboanga del Sur	1,251.3	1,091.4	1,067.6	1,012.3	1,180.8	1,185.7	1,085.7	1,110.3	1,101.3	1,140.5
Zamboanga Sibugay	1,752.5	1,712.1	1,647.9	1,575.4	1,888.8	1,731.8	1,614.4	1,394.8	1,353.3	1,259.0
City of Zamboanga	1,642.6	1,655.6	1,694.4	2,253.9	2,370.8	2,408.5	2,474.6	2,451.0	2,517.3	2,515.1
NORTHERN MINDANAO	14,864.7	15,825.2	15,983.7	16,106.4	16,414.8	16,219.4	16,120.1	16,498.9	16,775.7	16,948.2
Bukidnon	9,950.0	10,758.0	10,750.0	10,773.0	11,055.0	10,910.0	11,094.0	11,405.0	11,617.0	11,691.0
Camiguin	45.0	46.7	43.7	44.4	49.3	47.3	50.8	50.0	51.2	49.2
Lanao del Norte	1,254.0	1,243.9	1,390.0	1,412.0	1,433.0	1,431.0	1,489.1	1,418.8	1,397.5	1,408.0
Misamis Occidental	1,825.0	2,038.6	2,050.0	2,137.0	2,234.5	2,256.4	1,926.3	1,938.2	1,924.0	1,881.0
Misamis Oriental	1,790.8	1,738.0	1,750.0	1,740.0	1,643.0	1,574.7	1,560.0	1,687.0	1,786.0	1,919.0
DAVAO REGION	6,487.5	6,154.6	6,273.7	6,422.1	6,464.9	6,508.3	6,490.6	6,517.9	6,521.3	6,645.8
Davao del Norte	1,312.4	1,266.3	1,297.8	1,300.3	1,316.5	1,351.5	1,328.2	1,320.0	1,309.4	1,302.7
Davao del Sur	1,631.6	1,538.1	1,514.4	1,534.4	1,560.6	1,555.7	1,578.7	1,587.7	1,608.1	1,520.5
City of Davao	737.5	682.9	733.1	725.9	755.1	763.8	745.6	902.8	953.3	980.1
Davao Oriental	1,493.5	1,496.9	1,502.7	1,450.4	1,536.7	1,501.9	1,510.9	1,485.4	1,443.8	1,477.7
Davao de Oro (Compostela Valley)	1,312.4	1,170.5	1,225.7	1,411.2	1,296.0	1,335.4	1,327.2	1,221.9	1,206.7	1,195.8
Davao Occidental	..	..	..	..	..	..	..	..	..	168.9
SOCCSKSARGEN	2,423.9	2,306.7	2,512.5	2,652.4	2,846.6	2,793.3	2,743.8	2,987.5	3,029.9	3,138.1
North Cotabato	1,124.6	1,150.0	1,169.2	1,207.0	1,323.8	1,303.4	1,413.8	1,343.8	1,243.5	1,240.0
Sarangani	317.6	323.1	326.8	328.1	328.8	317.0	257.0	272.5	282.0	282.9
South Cotabato	279.1	290.6	289.1	312.8	351.8	348.0	358.9	343.4	362.6	394.5
Sultan Kudarat	702.5	543.0	727.5	804.6	842.2	824.9	714.1	1,027.8	1,141.8	1,220.7
CARAGA	4,398.3	2,271.8	2,719.1	2,910.1	3,233.2	3,202.4	4,346.6	6,721.6	5,647.0	6,090.3
Agusan del Norte	2,534.1	1,088.7	1,485.7	1,634.4	1,870.7	1,784.9	1,770.7	1,858.7	1,856.4	2,012.8
Agusan del Sur	951.3	744.2	830.6	853.2	976.2	1,032.3	2,139.5	4,418.4	3,264.9	3,562.4
Dinagat Islands	..	..	..	30.2	24.6	23.3	16.3	18.9	47.3	51.9
Surigao del Norte	480.0	207.2	179.3	157.3	127.7	120.9	111.9	132.6	127.9	112.9
Surigao del Sur	432.9	231.7	223.5	235.0	234.0	241.0	308.3	293.1	350.7	350.2
ARMM	1,530.3	1,484.5	1,516.6	1,534.5	1,545.6	1,535.2	1,520.5	1,552.2	1,608.0	1,620.8
Basilan	142.0	145.1	150.0	154.8	155.0	156.0	154.0	161.3	164.1	166.0
Lanao del Sur	467.2	456.7	466.5	484.8	487.9	482.7	484.0	485.4	497.2	504.2
Maguindanao	625.5	578.0	586.2	586.3	592.1	595.6	596.9	618.7	649.9	660.1
Sulu	235.7	252.0	264.0	265.5	267.7	261.9	248.0	247.4	261.8	260.0
Tawi-tawi	59.9	52.7	50.0	43.2	42.9	39.0	37.5	39.5	35.0	30.5

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Stringbeans										
PHILIPPINES	**118,453.0**	**116,302.5**	**117,276.6**	**119,535.7**	**117,544.5**	**118,659.9**	**117,200.8**	**116,804.1**	**114,380.4**	**112,311.4**
CAR	470.2	463.6	483.0	509.9	535.9	541.7	531.6	546.2	470.3	476.5
Abra	55.6	54.6	55.3	56.2	67.0	72.4	71.6	73.0	72.4	72.2
Apayao	20.8	20.1	28.0	43.4	61.5	69.3	72.7	75.7	72.3	65.9
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	247.9	242.4	244.2	243.8	241.3	226.5	216.9	221.4	164.6	150.7
Kalinga	128.7	133.2	141.0	151.1	150.5	158.4	156.2	162.3	151.5	176.6
Mountain Province	17.2	13.3	14.5	15.4	15.6	15.3	14.3	13.8	9.6	11.1
ILOCOS REGION	11,203.3	11,421.0	11,737.2	12,003.9	12,199.5	12,092.8	12,260.0	12,469.2	12,292.3	12,646.7
Ilocos Norte	2,457.5	2,513.1	2,609.1	2,662.6	2,728.2	2,786.1	2,851.6	2,941.7	2,880.7	2,954.8
Ilocos Sur	2,174.0	2,187.4	2,227.8	2,281.5	2,238.2	2,285.4	2,362.8	2,488.5	2,461.1	2,530.9
La Union	2,045.2	2,014.6	2,120.5	2,209.8	2,315.1	2,365.4	2,293.8	2,309.3	2,307.0	2,439.1
Pangasinan	4,526.7	4,706.0	4,780.0	4,850.1	4,918.0	4,656.0	4,751.8	4,729.7	4,643.6	4,722.0
CAGAYAN VALLEY	18,409.7	17,502.1	17,024.0	17,375.9	15,849.3	15,915.5	14,791.8	14,726.0	13,808.5	13,539.3
Batanes	..	..	33.5	32.7	33.6	23.8	19.4	13.0	10.4	11.0
Cagayan	6,451.6	6,266.7	6,369.9	6,619.4	6,467.8	6,436.7	5,811.0	5,426.9	4,937.3	4,472.0
Isabela	6,266.3	6,061.8	6,006.2	6,025.6	4,890.1	4,909.9	4,407.8	4,345.1	3,958.9	4,069.5
Nueva Vizcaya	5,049.3	4,633.1	4,092.4	4,152.8	3,921.1	4,047.8	4,023.0	4,426.8	4,410.1	4,445.7
Quirino	642.5	540.5	522.0	545.5	536.8	497.3	530.6	514.3	491.9	541.1
CENTRAL LUZON	37,507.2	37,435.3	37,220.0	36,668.5	37,094.3	37,435.6	37,030.0	35,505.0	33,501.3	32,499.6
Aurora	1,228.0	1,216.0	1,217.8	1,163.7	1,214.9	1,115.1	1,182.2	996.2	954.2	845.0
Bataan	304.8	289.0	283.0	275.0	280.5	277.0	265.0	280.5	247.0	244.2
Bulacan	17,911.0	18,035.0	17,822.0	17,283.0	17,983.0	18,390.0	18,157.0	18,500.0	18,707.0	17,769.1
Nueva Ecija	15,889.7	15,788.8	15,730.9	15,714.2	15,264.7	15,148.4	15,023.4	13,098.6	10,824.7	10,780.2
Pampanga	1,188.0	1,135.0	1,152.0	1,213.0	1,242.0	1,247.0	1,235.2	1,290.6	1,398.1	1,475.5
Tarlac	293.9	283.5	279.9	278.1	281.2	281.4	274.0	351.3	374.9	446.5
Zambales	691.9	688.0	734.4	741.5	828.0	976.8	893.2	987.8	995.4	939.3
CALABARZON	4,833.2	4,803.3	5,196.5	5,511.4	5,165.5	5,455.2	5,543.9	5,597.2	6,160.9	5,962.0
Batangas	1,218.5	1,355.8	1,316.0	1,296.0	1,324.0	1,500.0	1,678.7	1,858.9	2,003.3	1,850.7
Cavite	951.7	948.6	1,105.0	1,137.2	841.1	776.5	680.3	586.5	533.1	521.3
Laguna	1,345.0	1,368.9	1,357.5	1,347.5	1,233.4	1,165.9	1,109.2	1,046.3	1,107.4	1,023.4
Quezon	658.4	633.1	914.5	1,211.7	1,202.2	1,479.9	1,595.2	1,579.7	2,014.7	2,104.9
Rizal	659.6	497.0	503.5	519.0	564.8	533.0	480.5	525.8	502.5	461.6
MIMAROPA	1,315.0	1,345.9	1,391.1	1,555.3	1,695.3	1,843.4	1,965.3	2,494.5	2,473.7	2,422.3
Marinduque	439.1	446.9	463.6	468.6	459.6	504.0	521.7	525.0	529.5	464.8
Occidental Mindoro	401.4	392.5	402.2	457.5	478.0	538.0	571.0	627.0	626.4	628.4
Oriental Mindoro	125.9	136.1	137.3	147.7	200.9	191.0	235.5	660.0	613.8	639.0
Palawan	138.1	156.0	172.9	263.6	327.4	377.9	401.8	437.2	451.4	441.9
Romblon	210.6	214.4	215.1	217.9	229.4	232.6	235.3	245.4	252.6	248.3
BICOL REGION	11,386.3	11,351.3	11,817.5	12,342.6	11,188.3	11,321.8	11,526.6	11,615.8	11,477.6	10,550.0
Albay	4,599.6	4,549.1	4,800.6	5,158.2	4,202.5	4,227.6	4,301.3	4,480.8	4,564.6	4,311.0
Camarines Norte	773.0	758.0	795.5	821.7	809.7	834.7	912.9	960.3	992.8	925.1
Camarines Sur	4,068.2	4,045.2	4,120.4	4,218.9	4,105.5	4,251.4	4,355.9	4,176.0	3,922.5	3,486.5
Catanduanes	87.1	84.0	83.1	85.8	82.1	81.9	84.1	82.6	82.5	82.0
Masbate	605.9	635.9	674.0	732.5	763.5	720.4	723.5	752.7	742.8	760.9
Sorsogon	1,252.5	1,279.1	1,344.0	1,325.4	1,225.1	1,205.9	1,149.0	1,163.4	1,172.5	984.5
WESTERN VISAYAS	9,894.0	9,716.2	9,776.0	9,527.8	9,415.3	9,274.0	9,054.6	9,055.5	9,374.3	9,366.7
Aklan	610.2	612.4	614.5	505.5	513.2	502.5	501.7	484.3	487.7	486.9
Antique	632.4	621.0	642.3	627.3	644.7	665.6	842.5	968.4	942.5	993.8
Capiz	970.2	846.8	730.5	676.0	647.5	663.2	612.8	629.5	613.3	643.2
Guimaras	689.0	718.0	737.4	728.5	673.7	628.0	505.6	475.6	404.2	416.1
Iloilo	3,215.0	3,104.0	3,205.0	3,201.0	3,127.0	2,980.5	2,705.7	2,661.0	3,053.0	2,885.5
Negros Occidental	3,777.1	3,814.0	3,846.3	3,789.4	3,809.1	3,834.1	3,886.3	3,836.8	3,873.6	3,941.1
CENTRAL VISAYAS	2,754.2	2,468.0	2,711.1	2,912.1	2,804.8	2,787.9	2,748.1	2,898.0	2,776.8	2,737.7
Bohol	1,021.9	651.3	677.3	704.3	578.6	594.1	514.1	664.0	596.5	551.0
Cebu	1,102.5	1,185.2	1,255.6	1,262.1	1,236.7	1,233.0	1,338.5	1,331.1	1,302.6	1,304.1
Negros Oriental	582.3	579.4	730.1	897.3	941.5	912.0	852.3	858.4	830.8	842.4
Siquijor	47.5	52.1	48.2	48.4	48.1	48.8	43.2	44.6	46.9	40.2
EASTERN VISAYAS	1,869.1	1,888.5	1,911.4	1,744.2	1,591.5	1,680.1	1,686.7	1,649.3	1,638.9	1,567.4
Biliran	207.3	207.6	207.1	202.9	199.2	199.8	203.9	192.0	157.0	145.5
Eastern Samar	9.9	9.9	10.5	8.2	8.0	8.5	8.4	7.3	7.2	7.6
Leyte	1,379.4	1,388.3	1,408.5	1,246.5	1,091.6	1,177.5	1,172.5	1,147.0	1,166.2	1,099.9
Northern Samar	106.0	108.9	112.2	118.4	122.9	121.3	118.9	121.8	125.2	127.5
Samar (Western Samar)	92.7	94.8	94.3	94.3	93.0	99.2	100.7	104.4	106.7	110.4
Southern Leyte	73.7	79.0	78.8	73.8	76.9	73.9	82.5	76.8	76.6	76.5
ZAMBOANGA PENINSULA	1,683.9	1,686.9	1,698.5	2,151.2	2,668.3	2,611.7	2,615.1	2,562.5	2,631.7	2,656.2
Zamboanga del Norte	982.1	977.4	988.7	1,015.5	1,024.7	942.1	919.1	877.8	919.5	929.8
Zamboanga del Sur	158.8	145.0	134.6	201.2	247.1	264.8	273.5	261.7	247.1	254.0
Zamboanga Sibugay	55.1	52.9	59.0	68.3	67.2	70.9	77.5	83.7	85.1	79.4
City of Zamboanga	488.0	511.7	516.2	866.3	1,329.3	1,333.9	1,345.0	1,339.3	1,380.0	1,393.0
NORTHERN MINDANAO	2,337.3	2,463.2	2,558.2	2,870.4	2,941.1	2,950.1	2,992.5	3,088.5	3,164.4	3,213.9
Bukidnon	185.0	200.0	207.0	228.0	225.0	227.0	235.0	247.0	259.0	266.5
Camiguin	35.8	38.2	37.4	37.2	35.9	34.7	33.6	32.8	32.0	30.5
Lanao del Norte	359.0	370.0	387.0	396.0	400.5	405.0	419.6	423.2	419.4	422.5
Misamis Occidental	440.7	490.4	523.8	647.2	656.7	673.8	675.3	687.2	702.5	704.5
Misamis Oriental	1,316.8	1,364.7	1,403.0	1,562.0	1,623.0	1,609.6	1,629.0	1,698.3	1,751.5	1,790.0
DAVAO REGION	12,664.6	11,991.1	11,837.4	12,308.1	12,291.8	12,404.3	12,014.2	12,018.1	11,851.6	11,856.3
Davao del Norte	2,242.9	2,199.7	2,218.8	2,226.9	2,211.8	2,236.8	2,176.0	2,196.4	2,181.9	2,159.1
Davao del Sur	884.2	864.8	876.3	886.6	898.3	915.4	918.1	1,004.5	1,062.0	1,014.4
City of Davao	5,966.4	5,527.0	5,471.4	5,324.4	5,470.9	5,478.6	5,275.9	5,376.5	5,178.8	5,202.3
Davao Oriental	1,317.7	1,305.8	1,293.3	1,294.2	1,349.0	1,376.5	1,296.5	1,295.3	1,286.2	1,225.1
Davao de Oro (Compostela Valley)	2,253.4	2,093.9	1,977.6	2,576.0	2,361.8	2,397.0	2,347.7	2,145.5	2,142.6	2,117.2
Davao Occidental	..	..	..	..	..	..	..	..	..	138.3
SOCCSKSARGEN	709.1	745.3	784.0	803.0	832.9	958.8	933.6	988.0	1,008.7	1,007.5
North Cotabato	462.7	489.1	531.5	549.3	576.5	697.7	673.8	711.9	718.6	708.3
Sarangani	62.7	67.5	67.6	71.6	72.2	72.0	66.5	71.3	74.0	75.5
South Cotabato	57.5	64.0	55.8	62.0	65.5	67.8	74.9	76.9	79.4	83.2
Sultan Kudarat	126.3	124.7	129.1	120.1	118.7	121.3	118.4	127.9	136.8	140.5
CARAGA	992.5	590.6	682.5	806.3	826.2	942.3	1,078.1	1,144.8	1,289.3	1,349.9
Agusan del Norte	311.5	173.8	259.6	355.4	343.5	352.6	378.5	385.8	372.0	359.2
Agusan del Sur	300.8	231.9	250.5	266.1	301.9	411.4	519.4	557.6	700.7	763.1
Dinagat Islands	..	..	..	16.6	14.6	13.5	11.2	11.8	15.1	14.9
Surigao del Norte	266.7	103.7	86.6	72.3	71.0	55.6	45.4	60.4	64.9	70.7
Surigao del Sur	113.6	81.2	85.8	95.9	95.2	109.1	123.7	129.3	136.6	142.0
ARMM	423.4	430.3	448.3	445.3	444.7	444.9	428.8	445.6	460.0	459.6
Basilan	63.1	64.5	66.5	68.5	70.0	71.3	67.7	69.8	71.9	68.9
Lanao del Sur	3.9	3.7	3.9	4.3	4.4	4.5	4.8	4.9	4.9	4.9
Maguindanao	86.2	83.0	84.4	84.5	85.9	87.6	88.6	91.2	98.0	102.0
Sulu	241.5	249.0	260.0	253.2	249.2	247.0	230.0	239.6	250.0	248.5
Tawi-tawi	28.7	30.1	33.7	34.8	35.2	34.6	37.7	40.2	35.3	35.3

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Swamp cabbage/Kangkong										
PHILIPPINES	**80,800.7**	**79,571.6**	**77,408.9**	**75,438.8**	**73,106.8**	**71,970.6**	**69,649.1**	**69,144.2**	**68,873.9**	**68,316.6**
CAR	7.1	7.1	7.6	8.2	8.7	8.3	8.6	8.3	8.3	8.3
Abra	6.7	6.7	6.9	7.0	7.7	7.4	7.5	7.4	7.4	7.4
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	0.5	0.5	0.7	1.2	1.0	0.9	1.2	0.9	0.9	0.9
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	3,256.1	3,286.8	3,335.1	3,431.7	3,505.5	3,463.1	3,454.5	3,554.6	3,531.4	3,565.3
Ilocos Norte	1,749.2	1,739.8	1,764.1	1,820.5	1,860.9	1,770.1	1,732.9	1,764.7	1,828.9	1,865.4
Ilocos Sur	306.8	335.4	342.6	348.1	339.0	348.8	359.4	364.8	367.6	374.6
La Union	239.1	246.5	257.0	267.5	281.5	292.5	296.4	304.3	308.3	297.4
Pangasinan	961.1	965.1	971.3	995.6	1,024.2	1,051.7	1,065.8	1,120.8	1,026.6	1,027.8
CAGAYAN VALLEY	2,168.7	2,350.2	2,272.6	2,384.6	2,409.2	2,383.1	2,294.0	2,396.7	2,318.4	2,284.3
Batanes	..	..	0.8	0.7	0.7	0.9	1.1	1.2	0.9	0.8
Cagayan	412.7	456.5	485.2	552.8	544.6	519.6	500.8	546.0	554.4	521.0
Isabela	1,116.8	1,241.9	1,162.7	1,215.0	1,247.5	1,242.6	1,174.1	1,216.4	1,121.0	1,123.8
Nueva Vizcaya	519.2	531.9	501.5	482.7	488.1	494.8	485.1	494.3	495.1	495.0
Quirino	120.0	119.9	122.5	133.5	128.3	125.2	132.9	138.9	147.0	143.7
CENTRAL LUZON	1,039.3	1,041.8	994.0	1,000.6	1,141.4	1,182.4	1,229.2	1,328.9	1,373.9	1,449.5
Aurora	81.0	82.6	82.0	83.3	103.7	104.8	75.7	110.9	104.6	79.7
Bataan	118.2	109.2	105.0	104.4	153.0	152.0	150.5	155.1	160.4	190.9
Bulacan	758.0	765.0	720.0	725.5	788.0	828.0	904.9	952.4	963.0	1,031.0
Nueva Ecija	69.7	71.1	72.0	72.2	81.2	81.7	81.0	80.5	85.1	81.2
Pampanga	..	..	..	..	..	..	..	10.4	22.3	23.4
Tarlac	12.5	14.0	15.0	15.2	15.5	15.9	17.2	19.5	38.5	43.3
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	6,214.0	6,623.0	6,135.5	6,150.8	5,928.5	5,448.7	5,231.2	5,285.4	5,146.4	5,244.5
Batangas	235.2	387.0	388.0	385.0	337.0	304.1	283.0	314.1	285.1	274.6
Cavite	873.8	886.1	777.5	763.7	738.1	742.7	789.1	715.0	625.2	650.0
Laguna	1,024.8	1,064.9	1,039.4	1,035.2	1,024.7	792.0	748.3	773.9	789.7	770.1
Quezon	3,720.3	3,922.1	3,565.6	3,573.9	3,406.7	3,227.8	3,046.3	3,157.2	3,142.9	3,223.3
Rizal	359.8	363.0	365.0	393.0	422.0	382.1	364.5	325.3	303.6	326.6
MIMAROPA	1,947.7	1,980.8	2,033.3	2,056.8	2,064.6	2,052.4	1,975.3	2,109.7	2,139.8	2,070.7
Marinduque	468.6	461.3	474.8	486.3	479.8	468.1	405.6	337.6	324.6	271.4
Occidental Mindoro	537.5	553.1	572.0	577.3	601.9	618.7	651.9	688.6	697.1	696.3
Oriental Mindoro	283.6	291.5	299.0	302.7	303.1	295.8	259.3	392.0	422.1	431.2
Palawan	474.0	482.6	489.5	493.9	500.0	500.2	497.9	527.6	529.7	518.3
Romblon	184.0	192.3	198.1	196.7	179.9	169.5	160.7	163.9	166.2	153.6
BICOL REGION	4,774.6	4,710.2	4,634.7	4,467.6	3,927.3	3,967.6	3,733.9	3,727.8	3,874.0	3,746.0
Albay	2,358.6	2,207.5	2,075.5	1,868.0	1,346.8	1,397.7	1,231.2	1,062.0	1,091.8	1,031.9
Camarines Norte	447.0	461.0	450.0	446.0	448.3	438.3	400.9	510.0	594.2	610.9
Camarines Sur	770.3	800.1	820.4	835.5	820.2	841.2	839.3	886.8	926.7	952.1
Catanduanes	346.9	341.1	345.5	359.0	355.5	354.9	368.6	338.1	316.5	310.9
Masbate	2.3	2.6	8.7	12.5	13.1	13.3	13.3	13.8	14.3	14.3
Sorsogon	849.5	897.7	934.7	946.6	943.4	922.4	880.7	917.1	930.6	825.9
WESTERN VISAYAS	9,035.7	9,152.7	9,156.8	8,472.3	7,814.2	7,436.3	7,169.6	6,801.9	6,878.6	7,025.4
Aklan	2,225.6	2,231.8	2,205.2	2,106.1	1,696.4	1,704.8	1,627.9	1,462.3	1,410.6	1,392.7
Antique	888.0	931.5	920.8	852.8	806.5	792.6	760.2	727.2	772.8	821.9
Capiz	656.4	677.8	726.3	760.9	726.0	683.0	676.5	634.3	595.4	557.2
Guimaras	612.0	540.8	488.8	455.2	425.7	362.8	296.2	274.5	233.3	220.8
Iloilo	3,190.0	3,288.0	3,320.0	2,797.0	2,645.0	2,384.9	2,278.5	2,136.5	2,282.8	2,415.0
Negros Occidental	1,463.7	1,482.8	1,495.8	1,500.3	1,514.6	1,508.3	1,530.3	1,567.1	1,583.8	1,617.8
CENTRAL VISAYAS	2,804.8	1,665.3	1,597.5	1,621.5	1,478.5	1,386.9	1,310.8	1,422.2	1,406.6	1,344.6
Bohol	1,223.7	608.9	473.8	440.0	269.6	255.6	235.5	276.9	252.5	237.1
Cebu	461.1	365.6	415.6	452.1	470.7	452.0	444.7	452.7	464.1	468.6
Negros Oriental	1,109.2	679.4	697.3	718.4	727.0	668.4	620.4	681.8	679.0	628.5
Siquijor	10.8	11.4	10.8	11.0	11.1	10.9	10.2	10.8	11.1	10.3
EASTERN VISAYAS	12,340.1	11,695.8	9,732.4	8,473.1	7,015.7	7,089.3	6,770.3	6,316.5	6,161.6	5,561.9
Biliran	158.3	134.0	100.5	70.1	61.2	55.3	53.1	48.0	35.2	32.0
Eastern Samar	23.7	24.0	24.7	24.9	23.5	24.0	22.8	19.7	17.1	15.2
Leyte	8,077.2	7,547.1	6,900.1	5,863.8	4,812.0	5,035.5	4,758.9	4,361.0	4,225.9	3,640.2
Northern Samar	141.9	146.7	128.3	133.6	137.2	129.1	126.6	128.7	130.1	130.0
Samar (Western Samar)	2,904.0	2,970.0	1,995.0	1,967.8	1,624.0	1,512.0	1,480.0	1,435.0	1,427.0	1,418.0
Southern Leyte	1,035.0	874.0	583.8	413.0	357.9	333.5	328.9	324.1	326.3	326.5
ZAMBOANGA PENINSULA	5,929.0	5,712.2	5,631.3	5,480.0	5,587.0	5,562.3	4,562.6	3,822.2	3,567.6	3,462.0
Zamboanga del Norte	5,123.0	4,863.7	4,739.4	4,186.5	4,139.2	4,062.5	3,240.1	2,459.8	2,197.8	2,087.2
Zamboanga del Sur	189.8	207.2	215.4	501.8	641.7	690.1	774.2	807.4	789.0	792.3
Zamboanga Sibugay	37.1	61.0	91.7	115.9	113.5	110.2	123.9	127.9	131.5	124.6
City of Zamboanga	579.2	580.3	584.9	675.8	692.6	699.6	424.4	427.1	449.4	457.9
NORTHERN MINDANAO	3,419.5	3,481.8	3,591.1	3,569.1	3,463.4	3,444.2	3,497.8	3,611.9	3,704.7	3,714.8
Bukidnon	750.0	695.0	702.0	673.0	630.0	610.0	625.0	652.0	675.0	694.0
Camiguin	116.0	119.6	122.1	122.5	120.1	122.4	129.0	141.5	141.6	149.9
Lanao del Norte	956.0	978.0	1,010.0	950.0	962.0	951.0	963.3	977.5	998.6	1,006.0
Misamis Occidental	599.2	660.2	682.0	683.6	691.3	700.0	697.0	712.7	724.1	734.6
Misamis Oriental	998.3	1,029.0	1,075.0	1,140.0	1,060.0	1,060.9	1,083.5	1,128.3	1,165.5	1,130.3
DAVAO REGION	4,290.8	4,401.6	4,422.9	4,458.9	4,636.2	4,542.6	4,426.0	4,476.9	4,461.9	4,410.9
Davao del Norte	1,215.4	1,240.0	1,243.8	1,242.2	1,271.6	1,288.1	1,298.1	1,317.5	1,314.9	1,331.8
Davao del Sur	1,297.0	1,313.6	1,329.3	1,411.3	1,410.0	1,332.7	1,333.5	1,348.4	1,353.5	1,352.7
City of Davao	493.1	534.5	543.5	551.6	591.4	605.9	589.3	607.4	614.0	604.6
Davao Oriental	968.5	988.6	978.2	927.6	975.0	921.1	854.2	858.5	834.1	786.9
Davao de Oro (Compostela Valley)	316.8	324.9	328.1	326.3	388.3	394.8	350.9	345.2	345.4	335.0
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	5,237.9	5,375.5	5,461.4	5,517.1	5,647.8	5,556.5	5,291.7	5,271.4	4,982.2	5,032.7
North Cotabato	3,553.5	3,710.4	3,822.7	3,875.7	3,988.7	3,940.9	3,836.9	3,821.9	3,506.4	3,572.6
Sarangani	343.7	363.0	359.8	341.0	334.0	325.0	268.0	289.0	295.6	302.2
South Cotabato	594.9	551.0	524.6	542.9	570.7	538.3	483.0	450.8	429.1	456.6
Sultan Kudarat	745.9	751.2	754.3	757.5	754.4	752.3	703.8	709.6	751.2	701.3
CARAGA	1,828.5	1,634.6	1,546.3	1,390.2	1,381.9	1,269.5	1,241.7	1,364.7	1,417.8	1,488.9
Agusan del Norte	220.4	249.6	266.9	270.0	240.9	212.5	217.0	215.5	207.0	159.5
Agusan del Sur	886.8	832.6	977.7	849.2	902.5	852.0	809.3	931.4	1,006.3	1,129.2
Dinagat Islands	..	..	..	12.8	9.1	8.1	6.8	5.4	5.2	7.4
Surigao del Norte	632.5	461.0	210.0	163.3	133.0	110.1	101.7	106.7	97.2	87.6
Surigao del Sur	88.8	91.3	91.7	95.0	96.4	86.9	106.9	105.7	102.1	105.3
ARMM	16,506.8	16,452.4	16,856.6	16,956.4	17,097.2	17,177.4	17,452.1	17,645.2	17,900.8	17,906.9
Basilan	343.6	353.7	360.6	363.8	361.3	359.0	341.5	349.3	359.8	335.5
Lanao del Sur	131.8	135.8	128.6	124.2	130.4	130.4	130.9	131.2	134.4	136.3
Maguindanao	15,455.0	15,467.0	15,910.0	16,053.0	16,214.0	16,308.2	16,630.3	16,830.0	17,082.0	17,117.3
Sulu	405.0	340.0	312.0	287.0	272.5	261.0	239.0	229.0	227.0	224.6
Tawi-tawi	171.4	156.0	145.5	128.5	119.1	118.7	110.3	105.8	97.7	93.1

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sweet Potato										
PHILIPPINES	**541,265.0**	**516,338.0**	**516,907.2**	**528,249.5**	**519,855.0**	**535,995.5**	**529,472.0**	**537,303.4**	**525,634.4**	**525,861.9**
CAR	16,519.7	15,976.1	15,710.6	15,560.3	15,610.2	15,142.5	14,460.4	13,315.6	11,525.3	9,208.4
Abra	656.8	644.8	652.0	660.3	683.6	694.5	695.0	704.5	701.4	700.3
Apayao	65.0	64.2	73.5	103.7	132.1	147.5	139.0	139.5	130.6	185.0
Benguet	6,422.8	6,005.3	5,645.0	5,552.2	5,669.8	5,570.5	5,453.9	5,200.5	4,847.2	4,612.0
Ifugao	7,327.9	7,323.8	7,341.5	7,181.5	7,251.4	6,989.1	6,842.3	6,167.8	4,995.8	2,874.8
Kalinga	168.6	172.4	182.0	225.0	224.0	221.1	215.5	173.7	150.2	134.1
Mountain Province	1,878.7	1,765.8	1,816.6	1,837.6	1,649.3	1,519.7	1,114.8	929.6	700.1	702.2
ILOCOS REGION	15,516.0	15,256.0	14,976.9	14,954.9	15,141.7	14,563.5	15,206.2	15,800.2	15,757.4	15,559.1
Ilocos Norte	1,860.8	1,897.8	1,951.7	2,011.7	2,062.0	2,092.4	2,144.6	2,181.7	2,174.2	2,223.0
Ilocos Sur	1,114.1	1,172.2	1,221.8	1,262.8	1,251.4	1,143.8	1,131.7	1,147.1	1,173.7	1,155.4
La Union	2,383.7	2,529.3	2,900.5	3,238.3	3,614.4	3,785.4	4,828.4	5,256.1	5,490.0	5,395.1
Pangasinan	10,157.4	9,656.7	8,902.8	8,442.1	8,214.0	7,541.8	7,101.6	7,215.2	6,919.5	6,785.6
CAGAYAN VALLEY	11,068.3	11,063.0	10,900.5	10,373.2	8,558.1	8,276.1	8,215.5	8,461.1	8,639.6	8,383.1
Batanes	..	..	541.7	520.0	473.3	469.5	377.7	397.6	442.3	450.2
Cagayan	2,150.3	2,408.6	2,592.6	2,725.0	2,971.6	3,199.9	3,215.2	3,637.5	3,724.3	3,566.5
Isabela	2,981.6	2,660.3	2,034.7	1,381.0	726.5	564.0	496.4	467.1	488.4	460.3
Nueva Vizcaya	5,750.5	5,814.0	5,536.5	5,555.5	4,195.9	3,798.4	3,879.6	3,714.6	3,724.1	3,667.1
Quirino	186.0	180.1	195.0	191.8	190.8	244.3	246.6	244.3	260.5	239.1
CENTRAL LUZON	31,543.6	30,004.4	31,196.0	31,027.2	32,822.0	47,309.0	47,855.6	50,925.2	51,096.5	52,320.3
Aurora	2,362.0	2,242.5	2,261.5	2,267.5	2,320.0	2,414.2	2,655.4	2,727.5	3,432.4	3,565.1
Bataan	1,545.3	1,542.0	1,514.5	1,378.0	2,161.0	2,745.5	2,609.0	2,620.2	2,732.2	2,455.6
Bulacan	707.5	717.0	718.1	746.0	773.0	763.0	767.0	782.5	800.0	812.5
Nueva Ecija	1,114.0	1,108.6	1,105.8	1,104.1	1,169.7	1,163.7	1,137.4	1,400.4	1,410.2	1,505.0
Pampanga	2,452.0	2,475.0	2,500.0	2,714.0	2,743.0	2,779.0	2,737.6	2,636.1	2,757.2	2,848.7
Tarlac	21,942.8	20,380.8	21,361.1	21,005.8	21,726.7	35,108.6	35,673.0	38,181.0	37,347.6	38,804.5
Zambales	1,420.0	1,538.5	1,735.0	1,811.8	1,928.6	2,335.0	2,276.4	2,577.5	2,616.9	2,328.9
CALABARZON	32,312.0	31,389.6	32,471.8	31,609.1	32,037.5	31,816.1	30,851.4	29,703.0	29,170.4	29,712.8
Batangas	89.1	91.0	72.0	198.8	129.5	277.4	309.5	318.4	342.9	292.3
Cavite	1,130.3	1,147.0	1,205.5	1,247.1	1,204.7	1,165.9	1,134.7	1,108.9	1,040.6	1,153.8
Laguna	1,164.4	1,129.5	1,141.5	1,170.5	1,125.0	1,159.9	1,146.1	1,266.4	1,259.2	1,499.7
Quezon	29,103.3	28,309.2	29,340.9	28,284.7	28,827.3	28,368.8	27,409.3	26,145.6	25,662.6	25,832.3
Rizal	824.9	713.0	712.0	708.0	751.0	844.0	851.8	863.7	865.1	934.7
MIMAROPA	12,850.8	13,318.8	13,882.0	15,143.6	15,865.5	16,493.2	16,396.0	17,140.9	17,202.1	17,012.1
Marinduque	778.3	787.3	825.8	838.1	852.9	951.3	1,156.9	1,179.9	1,194.8	1,179.2
Occidental Mindoro	5,925.3	6,183.7	6,573.3	6,622.2	6,792.0	7,079.5	7,372.6	7,712.9	7,816.4	7,539.1
Oriental Mindoro	1,440.9	1,476.3	1,503.9	2,349.7	2,770.6	2,878.2	2,452.8	2,500.7	2,403.8	2,627.4
Palawan	3,257.2	3,336.7	3,393.4	3,733.7	3,932.0	4,022.1	3,999.2	4,323.6	4,349.9	4,336.2
Romblon	1,449.3	1,534.8	1,585.6	1,599.9	1,518.1	1,562.1	1,414.5	1,423.9	1,437.2	1,330.2
BICOL REGION	94,700.8	92,120.6	91,942.9	94,880.7	87,911.4	90,415.2	89,249.8	87,377.8	85,609.7	84,308.2
Albay	38,475.2	37,068.2	35,096.8	38,042.3	33,581.7	37,502.3	39,394.0	40,560.4	42,279.6	43,819.1
Camarines Norte	686.0	693.0	729.0	752.1	762.2	774.9	697.0	825.4	848.6	903.1
Camarines Sur	42,198.1	41,440.6	42,563.2	42,154.9	40,618.8	39,761.7	37,193.8	34,597.8	30,414.4	28,058.2
Catanduanes	5,660.5	5,318.0	5,252.7	5,394.4	5,349.0	5,118.9	5,204.2	4,567.2	5,232.9	5,094.3
Masbate	1,457.6	1,347.4	1,428.0	1,555.0	1,600.5	1,688.7	1,710.5	1,736.9	1,747.0	1,967.3
Sorsogon	6,223.4	6,253.4	6,873.2	6,981.9	5,999.1	5,568.8	5,050.3	5,090.2	5,087.3	4,466.1
WESTERN VISAYAS	44,454.7	45,345.2	45,641.6	44,711.2	45,083.5	46,338.3	44,929.8	46,691.8	45,407.3	45,062.0
Aklan	2,425.4	2,370.4	2,383.2	2,048.2	2,121.4	2,053.3	2,065.1	2,086.2	2,094.2	2,103.0
Antique	3,414.6	3,219.8	3,147.6	2,976.5	2,883.7	3,592.3	3,823.0	4,100.7	3,948.8	4,166.6
Capiz	4,147.5	3,992.0	3,893.5	3,894.0	3,867.3	3,872.8	3,818.0	3,814.6	3,890.5	3,770.0
Guimaras	2,129.0	2,225.7	2,370.4	2,510.9	2,732.8	2,472.2	1,540.3	2,380.2	2,230.2	1,936.5
Iloilo	14,927.0	15,397.0	15,495.0	15,149.0	15,130.0	16,090.0	15,441.0	16,120.0	15,021.0	14,900.0
Negros Occidental	17,411.3	18,140.4	18,351.9	18,132.6	18,348.3	18,257.8	18,242.4	18,190.0	18,222.6	18,186.0
CENTRAL VISAYAS	40,846.9	38,718.3	32,555.2	32,814.1	33,980.0	31,479.9	31,613.8	32,242.2	30,686.7	30,154.9
Bohol	23,122.9	19,747.9	12,291.2	9,124.3	7,919.0	6,300.0	5,859.1	7,550.6	6,254.8	5,849.0
Cebu	10,190.0	10,163.1	10,923.2	12,618.5	14,323.8	14,969.2	16,550.2	15,848.8	15,219.0	14,246.4
Negros Oriental	6,970.0	8,227.8	8,768.8	10,525.4	11,190.2	9,709.1	8,788.8	8,387.8	8,749.7	9,631.5
Siquijor	564.0	579.5	572.0	545.8	547.0	501.6	415.7	455.0	463.2	427.9
EASTERN VISAYAS	118,039.7	118,982.6	123,349.9	117,849.2	108,044.7	111,874.2	105,939.6	105,620.0	99,194.4	98,949.1
Biliran	1,936.8	1,880.5	1,971.6	1,833.2	1,768.6	1,883.8	1,893.0	1,880.0	1,814.0	1,796.0
Eastern Samar	7,007.2	6,986.8	7,296.8	6,399.8	6,230.6	6,240.0	5,600.2	4,918.3	4,480.9	4,041.4
Leyte	61,896.3	61,433.3	62,068.7	58,130.8	49,236.4	52,447.3	48,469.7	48,487.1	42,544.5	43,823.9
Northern Samar	23,176.3	23,876.0	26,575.7	28,118.7	28,955.9	28,934.6	27,605.3	27,864.4	27,771.9	27,220.2
Samar (Western Samar)	5,740.1	6,914.0	7,254.2	7,339.5	6,989.5	8,143.6	8,306.6	8,610.2	8,721.3	8,311.6
Southern Leyte	18,283.0	17,892.0	18,183.0	16,027.2	14,863.7	14,225.1	14,064.9	13,860.0	13,861.9	13,756.0
ZAMBOANGA PENINSULA	8,773.8	8,951.8	8,546.8	20,201.6	21,895.2	22,959.0	24,055.2	24,169.9	25,313.6	26,041.1
Zamboanga del Norte	1,428.5	1,419.8	1,449.8	2,016.2	2,021.0	1,900.8	1,724.7	1,640.3	1,463.1	1,569.6
Zamboanga del Sur	3,558.3	3,984.9	3,712.0	11,941.3	12,197.6	13,117.9	13,367.9	13,148.7	14,197.9	14,656.4
Zamboanga Sibugay	2,907.8	2,657.2	2,477.0	4,206.9	4,828.7	5,053.6	6,005.8	6,156.5	6,337.6	6,516.1
City of Zamboanga	879.3	890.0	907.9	2,037.2	2,847.9	2,886.8	2,956.9	3,224.4	3,315.1	3,299.0
NORTHERN MINDANAO	29,724.5	31,529.6	32,474.0	34,119.0	34,795.3	34,442.5	34,788.4	35,808.9	37,026.0	37,372.2
Bukidnon	11,030.0	12,020.0	12,240.0	12,074.0	12,380.0	12,300.0	12,320.0	12,872.0	13,373.0	13,713.0
Camiguin	601.1	613.9	605.2	636.1	630.2	614.7	576.4	617.2	571.3	498.9
Lanao del Norte	13,482.0	13,837.7	14,340.0	15,440.0	15,595.0	15,481.0	16,018.0	16,110.0	16,387.0	16,508.0
Misamis Occidental	1,742.6	2,113.3	2,274.8	2,831.0	2,892.2	2,726.8	2,568.0	2,784.5	2,908.7	2,857.3
Misamis Oriental	2,868.8	2,944.7	3,014.0	3,137.9	3,298.0	3,320.0	3,306.0	3,425.2	3,786.0	3,795.0
DAVAO REGION	19,900.8	19,013.9	18,417.3	18,597.3	19,243.4	19,126.7	18,475.6	18,907.6	18,843.8	18,319.7
Davao del Norte	3,860.0	3,797.8	3,742.0	3,687.1	3,577.6	3,508.5	3,542.2	3,448.3	3,392.8	3,349.7
Davao del Sur	2,916.3	2,833.1	2,837.6	2,885.8	2,905.3	2,967.2	2,904.6	3,216.4	3,312.4	1,478.0
City of Davao	1,387.3	1,337.6	1,345.9	1,381.4	1,448.8	1,505.3	1,443.8	1,517.9	1,602.1	1,600.7
Davao Oriental	2,928.4	2,876.0	2,921.2	3,038.0	3,323.0	3,040.8	2,641.9	2,775.8	2,707.8	2,579.6
Davao de Oro (Compostela Valley)	8,808.8	8,169.5	7,570.6	7,605.1	7,988.6	8,104.9	7,943.2	7,949.3	7,828.7	7,684.5
Davao Occidental	..	..	..	..	..	..	..	..	..	1,627.1
SOCCSKSARGEN	10,457.0	10,783.2	10,782.0	10,802.8	10,547.0	9,273.8	7,907.7	7,781.2	7,446.3	7,136.1
North Cotabato	7,898.9	8,214.8	8,633.4	8,690.6	8,442.9	7,276.0	6,262.5	6,056.9	5,722.9	5,433.2
Sarangani	1,130.0	1,150.0	803.0	792.0	761.5	690.8	460.0	491.5	509.0	516.4
South Cotabato	642.7	679.5	585.1	582.6	619.5	589.2	480.7	501.2	489.7	485.9
Sultan Kudarat	785.4	738.9	760.6	737.6	723.1	718.0	704.5	731.5	724.7	700.6
CARAGA	48,475.0	27,907.8	27,939.1	29,434.2	32,055.9	30,148.5	33,283.7	37,028.2	36,315.8	39,932.4
Agusan del Norte	14,738.8	10,086.8	8,697.9	7,956.6	8,304.8	8,369.4	8,385.9	7,774.1	7,599.0	8,460.9
Agusan del Sur	14,287.2	8,353.4	11,995.8	13,517.9	15,944.2	14,017.5	17,442.8	21,623.5	20,373.6	22,956.7
Dinagat Islands	..	..	..	732.0	483.0	466.0	389.2	381.9	376.5	372.4
Surigao del Norte	5,688.4	3,016.3	2,335.4	1,778.6	1,617.0	1,608.0	1,267.4	1,342.3	1,276.4	1,242.6
Surigao del Sur	13,760.6	6,451.4	4,910.0	5,449.0	5,707.0	5,687.6	5,798.4	5,906.5	6,690.3	6,899.8
ARMM	6,081.1	5,977.0	6,120.7	6,171.3	6,263.6	6,337.3	6,243.3	6,329.8	6,399.7	6,390.6
Basilan	828.9	832.6	853.2	871.0	883.0	872.0	844.9	877.8	920.2	886.9
Lanao del Sur	3,215.0	3,167.8	3,306.7	3,377.9	3,479.2	3,580.3	3,579.0	3,639.8	3,653.9	3,669.6
Maguindanao	1,046.0	1,013.0	1,021.5	1,025.3	1,028.1	1,028.8	1,027.0	1,029.7	1,045.2	1,072.2
Sulu	475.0	481.0	488.5	477.6	479.7	485.1	443.0	444.0	459.0	456.0
Tawi-tawi	516.2	482.6	450.9	419.5	393.7	371.0	349.5	338.6	321.4	306.0

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Taro/Gabi										
PHILIPPINES	**110,761.2**	**110,718.9**	**111,560.7**	**112,261.9**	**110,365.5**	**111,988.2**	**107,569.5**	**109,374.3**	**107,956.7**	**104,943.2**
CAR	4,723.1	4,733.9	4,776.0	4,856.6	4,923.6	4,880.0	4,789.5	4,848.3	4,697.1	4,671.2
Abra	114.5	112.1	114.0	113.7	118.8	120.1	108.6	110.3	109.6	109.2
Apayao	39.7	39.3	47.7	88.6	110.9	122.8	119.6	121.1	101.2	114.7
Benguet	4,207.4	4,221.6	4,244.8	4,270.0	4,304.6	4,249.1	4,195.7	4,245.5	4,118.0	4,103.0
Ifugao	309.0	310.1	313.8	317.7	320.1	321.2	307.7	313.0	311.4	279.4
Kalinga	43.6	44.8	52.5	63.3	66.2	63.8	54.5	55.3	53.6	61.4
Mountain Province	9.0	6.1	3.2	3.3	3.1	3.1	3.3	3.2	3.4	3.5
ILOCOS REGION	3,234.2	3,202.4	3,197.4	3,229.4	3,223.8	3,138.7	2,959.2	2,937.9	2,948.3	2,939.3
Ilocos Norte	974.7	969.6	1,003.6	1,022.4	1,038.0	1,043.9	1,020.2	1,029.7	1,038.0	1,039.0
Ilocos Sur	90.7	106.2	110.9	112.7	113.5	117.8	112.8	114.8	113.4	108.6
La Union	651.3	665.1	659.9	668.5	658.7	656.3	624.8	626.0	616.7	627.4
Pangasinan	1,517.5	1,461.5	1,422.9	1,425.7	1,413.6	1,320.7	1,201.5	1,167.4	1,180.2	1,164.4
CAGAYAN VALLEY	13,436.3	14,509.9	15,361.0	15,892.7	15,622.0	15,940.7	15,742.9	16,072.5	16,209.0	15,525.4
Batanes	..	..	78.8	76.1	71.0	63.5	42.6	38.8	36.1	33.1
Cagayan	3,576.2	4,038.1	4,255.3	4,347.7	4,315.0	4,557.3	4,289.3	4,999.0	5,137.0	4,684.9
Isabela	6,920.9	7,493.9	8,164.0	8,426.9	8,354.4	8,392.0	8,335.1	7,821.1	7,797.6	7,537.1
Nueva Vizcaya	2,375.3	2,388.5	2,219.4	2,412.0	2,245.1	2,284.6	2,341.2	2,383.5	2,335.4	2,316.6
Quirino	564.0	589.4	643.5	630.0	636.5	643.4	734.7	830.2	903.0	953.7
CENTRAL LUZON	6,766.5	6,796.7	6,829.3	6,975.7	7,316.7	7,384.6	7,532.1	7,962.4	8,118.7	7,917.6
Aurora	684.0	688.0	691.6	694.3	735.2	745.5	780.2	966.0	979.7	867.8
Bataan	374.3	352.0	353.0	350.0	510.0	510.0	504.5	517.7	513.3	432.5
Bulacan	615.5	617.5	616.6	628.6	626.0	620.5	661.0	666.5	662.0	598.3
Nueva Ecija	1,481.0	1,476.1	1,479.2	1,483.3	1,470.6	1,449.5	1,453.6	1,518.8	1,638.3	1,735.4
Pampanga	2,082.0	2,096.0	2,072.0	2,156.0	2,139.8	2,137.3	2,129.3	2,176.5	2,265.0	2,329.0
Tarlac	564.4	561.7	566.2	568.9	577.4	565.3	592.3	810.3	792.1	737.6
Zambales	965.3	1,005.4	1,050.7	1,094.6	1,257.8	1,356.5	1,411.2	1,306.6	1,268.3	1,217.1
CALABARZON	6,115.5	6,172.7	6,317.8	6,175.3	6,050.9	6,170.9	5,922.8	6,088.8	5,939.2	5,488.8
Batangas	1,724.2	1,777.0	1,780.0	1,644.0	1,487.0	1,221.0	929.0	830.5	867.8	521.9
Cavite	573.5	560.0	654.2	680.0	659.3	676.4	733.1	810.7	819.8	844.1
Laguna	1,176.1	1,175.4	1,155.2	1,180.4	1,053.8	988.8	1,023.9	1,097.1	1,086.3	1,085.9
Quezon	2,641.6	2,660.3	2,728.5	2,670.9	2,850.8	3,284.8	3,236.9	3,350.6	3,165.2	3,036.9
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	3,257.5	3,360.2	3,462.9	4,126.9	4,240.9	4,157.7	3,823.5	4,469.1	4,488.1	4,499.6
Marinduque	649.8	666.8	691.7	699.3	712.0	750.6	728.1	717.4	734.3	710.1
Occidental Mindoro	90.0	98.4	109.0	110.5	120.8	126.4	130.1	134.0	135.9	133.3
Oriental Mindoro	1,489.8	1,518.9	1,557.3	2,149.6	2,218.4	2,076.3	1,764.7	2,394.8	2,374.3	2,419.3
Palawan	417.8	443.7	453.2	509.1	546.7	555.8	557.2	569.7	576.6	571.4
Romblon	610.2	632.4	651.7	658.4	643.1	648.6	643.4	653.4	667.0	665.6
BICOL REGION	13,481.7	12,990.7	12,535.4	11,685.3	10,539.4	10,801.3	10,158.1	9,726.0	10,026.3	9,943.1
Albay	8,235.0	7,750.4	7,119.4	6,253.7	5,176.6	5,485.8	4,946.2	4,573.9	4,607.1	4,792.6
Camarines Norte	211.4	214.2	223.7	226.3	228.1	231.5	292.3	310.0	308.1	376.5
Camarines Sur	2,730.5	2,712.2	2,742.3	2,755.5	2,683.5	2,630.5	2,570.3	2,456.3	2,591.7	2,507.2
Catanduanes	564.8	536.6	536.1	551.8	534.5	515.5	492.5	486.9	605.0	532.6
Masbate	29.9	30.1	32.7	33.4	32.1	33.0	32.5	27.1	26.1	26.8
Sorsogon	1,710.2	1,747.3	1,881.3	1,864.8	1,884.7	1,905.0	1,824.3	1,871.9	1,888.3	1,707.5
WESTERN VISAYAS	4,815.5	4,911.1	4,924.7	4,892.3	4,829.2	4,752.7	4,625.0	4,620.1	4,658.1	4,568.8
Aklan	1,266.0	1,257.8	1,261.6	1,222.9	1,224.0	1,218.4	1,177.9	1,075.6	1,061.1	1,061.0
Antique	779.0	772.6	738.2	739.7	741.1	778.2	806.6	844.4	819.2	830.9
Capiz	552.0	546.1	528.7	548.7	550.5	557.2	528.0	533.3	506.2	458.5
Guimaras	173.0	186.5	198.3	185.9	187.0	166.3	146.3	143.0	152.4	153.4
Iloilo	1,239.0	1,282.0	1,307.0	1,292.0	1,198.0	1,143.0	1,118.5	1,182.5	1,271.0	1,217.0
Negros Occidental	806.5	866.1	890.9	903.2	928.6	889.6	847.7	841.3	848.2	848.0
CENTRAL VISAYAS	7,277.6	7,355.6	6,328.3	6,388.7	6,275.6	6,158.5	5,245.4	5,445.5	5,125.9	4,757.6
Bohol	5,059.0	4,926.0	3,852.1	3,871.9	3,724.0	3,723.1	3,260.1	3,546.0	3,154.5	2,880.5
Cebu	1,347.8	1,413.5	1,412.7	1,331.0	1,346.9	1,278.7	989.5	988.5	958.3	900.0
Negros Oriental	786.6	914.5	962.8	1,091.2	1,111.0	1,066.8	915.4	826.5	925.5	895.9
Siquijor	84.2	101.6	100.7	94.6	93.7	89.9	80.4	84.5	87.5	81.2
EASTERN VISAYAS	20,945.5	21,306.5	22,113.3	22,900.1	21,574.8	22,319.5	21,946.3	22,000.4	21,825.2	21,557.1
Biliran	1,094.8	1,092.0	1,092.9	994.6	988.9	990.5	992.5	913.0	712.3	610.0
Eastern Samar	208.6	208.7	214.2	214.6	214.9	216.5	218.6	221.3	225.6	213.9
Leyte	6,963.3	6,926.6	7,048.2	6,956.7	5,470.3	6,129.3	6,248.3	6,194.6	6,142.8	6,009.5
Northern Samar	7,237.3	7,455.2	8,032.5	8,882.6	9,119.3	9,096.0	8,549.3	8,561.2	8,571.1	8,380.2
Samar (Western Samar)	4,540.5	946.1	4,771.3	4,798.3	4,706.9	4,810.3	4,845.0	4,992.0	5,048.0	5,225.1
Southern Leyte	901.0	4,678.0	954.4	1,053.3	1,074.5	1,076.9	1,092.6	1,118.3	1,125.5	1,118.5
ZAMBOANGA PENINSULA	1,407.8	1,360.4	1,360.0	1,550.4	1,755.1	1,550.2	1,464.1	1,450.6	1,486.5	1,492.1
Zamboanga del Norte	838.1	798.9	792.4	773.0	769.9	735.6	666.7	607.5	596.6	595.9
Zamboanga del Sur	189.7	183.4	182.6	373.8	543.4	503.9	488.4	523.6	560.4	555.1
Zamboanga Sibugay	226.0	225.6	230.1	248.6	266.3	136.5	134.8	145.3	145.6	147.3
City of Zamboanga	154.0	152.4	154.9	155.1	175.4	174.2	174.2	174.3	183.9	193.7
NORTHERN MINDANAO	2,710.2	2,878.6	2,999.2	3,074.5	3,117.5	3,078.9	3,084.8	3,149.1	3,211.9	3,278.9
Bukidnon	199.0	211.0	228.0	216.0	198.0	180.0	178.0	187.0	199.5	253.5
Camiguin	276.4	283.6	277.6	277.4	267.2	244.6	236.5	248.7	259.6	263.9
Lanao del Norte	1,277.0	1,305.0	1,330.0	1,358.0	1,385.0	1,392.6	1,392.6	1,401.0	1,377.9	1,364.0
Misamis Occidental	808.0	888.9	922.6	945.1	952.2	959.8	978.0	996.5	1,016.0	1,033.5
Misamis Oriental	149.8	190.0	241.0	278.0	315.0	302.0	299.7	315.9	359.0	364.0
DAVAO REGION	3,048.2	3,215.9	3,184.9	3,256.7	3,609.7	3,570.8	3,451.4	3,492.5	3,522.0	3,551.9
Davao del Norte	339.4	354.9	370.6	369.1	378.0	367.6	377.1	377.4	370.3	362.7
Davao del Sur	506.2	519.0	526.9	526.9	534.5	520.9	517.7	517.5	512.9	478.9
City of Davao	124.9	232.9	282.1	310.4	361.8	370.7	378.9	481.4	529.8	541.4
Davao Oriental	294.5	300.8	301.9	290.2	318.7	280.7	251.1	257.8	246.9	251.5
Davao de Oro (Compostela Valley)	1,783.2	1,808.3	1,703.5	1,760.2	2,016.6	2,030.8	1,926.6	1,858.5	1,862.2	1,875.8
Davao Occidental	..	..	..	..	..	..	..	..	..	41.6
SOCCSKSARGEN	4,414.8	4,566.8	4,777.5	4,989.4	5,106.0	4,446.0	3,699.6	3,648.8	3,368.6	3,274.9
North Cotabato	3,945.9	4,109.3	4,301.6	4,527.7	4,644.8	3,992.3	3,276.7	3,200.3	2,905.3	2,811.0
Sarangani	91.6	97.4	99.3	86.5	85.5	82.0	70.0	75.0	77.5	78.9
South Cotabato	48.9	56.9	75.1	77.7	75.9	76.8	69.3	71.9	75.5	72.3
Sultan Kudarat	328.5	303.2	301.5	297.6	299.8	294.9	283.6	301.5	310.4	312.8
CARAGA	14,134.0	12,385.1	12,400.3	11,253.2	11,151.2	12,606.9	12,121.1	12,448.2	11,301.1	10,473.9
Agusan del Norte	632.8	568.8	586.6	705.6	772.0	856.8	837.7	878.9	913.8	1,085.4
Agusan del Sur	10,148.0	8,843.2	9,152.3	8,047.5	8,128.2	9,417.8	8,982.8	9,067.1	7,990.6	7,020.5
Dinagat Islands	..	..	..	200.1	170.0	162.0	152.9	143.0	142.6	138.7
Surigao del Norte	2,048.8	1,697.7	1,401.4	935.0	754.0	668.0	560.8	603.9	572.2	499.8
Surigao del Sur	1,304.4	1,275.4	1,260.0	1,365.0	1,327.0	1,502.3	1,586.9	1,755.3	1,681.9	1,729.5
ARMM	992.9	972.5	992.7	1,014.8	1,029.4	1,031.0	1,003.8	1,014.1	1,030.7	1,003.2
Basilan	89.2	91.5	93.4	95.3	94.3	92.6	89.2	91.3	92.0	74.6
Lanao del Sur	380.6	372.6	398.7	421.3	432.9	429.9	429.5	429.8	438.5	440.9
Maguindanao	84.5	79.0	76.1	75.1	76.3	77.3	76.5	76.1	75.4	75.0
Sulu	434.0	425.0	421.0	420.0	423.3	428.6	406.0	414.3	422.0	410.0
Tawi-tawi	4.6	4.4	3.5	3.2	2.8	2.7	2.5	2.7	2.9	2.7

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(continued)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tomato										
PHILIPPINES	**204,271.7**	**203,581.7**	**203,593.5**	**207,668.4**	**214,572.9**	**214,774.0**	**210,719.5**	**218,793.1**	**220,824.7**	**223,294.5**
CAR	3,903.8	3,855.8	3,899.4	3,898.0	3,984.0	3,911.5	3,724.5	3,656.8	3,283.3	3,145.3
Abra	393.1	388.0	392.5	386.0	430.0	464.0	455.4	468.5	467.4	460.7
Apayao	7.3	7.7	8.0	9.1	9.2	10.0	10.7	9.3	10.3	10.1
Benguet	2,885.4	2,874.4	2,915.7	2,920.1	2,976.7	2,943.6	2,837.2	2,580.0	2,107.0	1,980.5
Ifugao	15.1	15.2	15.6	15.9	16.7	26.8	34.9	56.7	49.2	82.6
Kalinga	90.2	92.3	92.9	91.9	92.5	76.5	60.8	58.8	57.2	49.8
Mountain Province	512.9	478.3	474.8	475.0	458.9	390.7	325.7	483.5	592.4	561.6
ILOCOS REGION	69,615.6	68,579.0	70,389.3	72,017.1	72,510.9	72,484.2	68,760.7	72,375.6	72,130.3	73,324.9
Ilocos Norte	27,373.2	28,167.8	29,873.6	30,384.3	30,167.5	29,486.3	28,342.5	27,987.1	27,426.0	27,934.7
Ilocos Sur	21,954.3	21,591.2	21,363.6	22,297.7	23,134.7	23,826.9	22,806.1	25,693.3	24,439.8	24,161.7
La Union	1,594.6	1,596.8	1,667.4	1,710.7	1,822.7	1,885.4	2,045.2	2,223.7	2,354.4	2,382.1
Pangasinan	18,693.4	17,223.2	17,484.7	17,624.5	17,386.0	17,285.6	15,566.9	16,471.6	17,910.1	18,846.4
CAGAYAN VALLEY	10,605.5	10,318.1	9,500.9	9,471.5	9,903.3	10,389.2	10,713.1	10,895.1	11,056.0	10,934.7
Batanes	..	..	15.7	13.3	16.6	14.2	12.4	13.8	12.5	12.3
Cagayan	504.8	580.9	538.7	587.9	612.6	675.8	727.0	873.3	814.1	824.1
Isabela	1,707.9	1,491.9	1,463.2	1,384.7	1,417.4	1,374.8	1,260.6	1,189.0	1,245.7	1,041.6
Nueva Vizcaya	8,357.5	8,207.4	7,443.5	7,441.4	7,810.2	8,284.1	8,670.0	8,778.4	8,936.3	9,019.3
Quirino	35.4	37.9	39.8	44.2	46.5	40.3	43.1	40.6	47.4	37.4
CENTRAL LUZON	21,492.2	21,487.8	21,790.6	22,268.0	23,831.7	24,040.2	25,288.3	27,738.8	27,941.8	31,452.8
Aurora	8.0	33.1	34.6	33.0	34.6	35.5	47.8	57.6	69.4	93.6
Bataan	153.8	148.5	141.0	143.0	163.0	164.0	157.0	188.0	283.8	291.7
Bulacan	3,882.0	3,848.0	4,018.0	4,003.0	4,260.0	4,459.0	4,423.5	4,589.9	4,743.0	4,826.7
Nueva Ecija	10,636.1	10,677.5	10,685.1	10,918.6	12,176.4	12,381.5	13,556.2	15,125.8	14,774.4	17,639.7
Pampanga	2,405.0	2,410.0	2,530.0	2,720.0	2,765.0	2,865.0	2,990.2	3,200.3	3,354.4	3,473.3
Tarlac	3,809.3	3,740.2	3,673.9	3,737.4	3,668.3	3,329.2	3,365.3	3,729.7	3,878.1	4,198.9
Zambales	598.0	630.5	708.0	713.0	764.5	806.0	748.3	847.6	838.7	929.0
CALABARZON	17,496.3	18,295.3	17,727.2	18,655.2	19,299.3	19,670.1	17,774.5	16,958.9	17,323.3	16,016.9
Batangas	2,945.0	2,970.0	2,725.0	2,840.0	2,685.3	2,320.2	2,370.6	2,340.9	2,266.8	2,608.2
Cavite	157.9	150.9	206.4	216.3	227.7	224.8	215.6	214.5	224.1	237.4
Laguna	7,175.8	7,230.0	6,348.0	6,624.9	6,573.3	6,162.9	5,253.9	6,084.4	6,806.6	6,129.5
Quezon	7,085.6	7,811.3	8,310.4	8,829.4	9,654.0	10,791.3	9,763.8	8,149.7	7,862.9	6,887.8
Rizal	132.0	133.0	137.5	144.5	159.0	171.0	170.6	169.5	162.9	154.1
MIMAROPA	1,132.0	1,232.0	1,253.6	1,523.6	1,797.9	1,951.3	2,049.8	2,867.4	2,947.7	2,858.1
Marinduque	47.5	47.9	48.8	49.5	47.7	51.5	55.3	54.2	56.9	56.9
Occidental Mindoro	661.1	733.0	723.8	800.3	829.4	881.5	905.1	1,079.1	1,093.5	1,099.2
Oriental Mindoro	63.9	67.1	69.6	121.2	210.2	197.6	236.7	834.3	880.2	789.6
Palawan	151.6	174.3	202.9	338.1	460.8	567.4	597.3	652.4	663.9	654.3
Romblon	208.0	209.7	208.5	214.6	249.7	253.3	255.5	247.4	253.3	258.0
BICOL REGION	3,561.6	3,432.2	3,427.1	3,482.6	3,372.0	3,665.3	3,890.9	3,718.3	3,703.5	3,687.0
Albay	1,052.1	1,007.0	975.2	1,016.5	923.7	1,027.9	1,095.2	1,101.1	1,080.9	1,081.0
Camarines Norte	10.8	11.1	12.3	12.8	12.5	12.8	11.8	12.5	14.0	15.1
Camarines Sur	2,405.8	2,327.3	2,348.2	2,353.1	2,338.0	2,526.2	2,685.6	2,500.5	2,506.3	2,484.5
Catanduanes	10.3	10.0	9.9	10.1	10.0	10.0	9.9	9.0	7.5	7.1
Masbate	68.3	62.9	65.8	73.6	71.4	69.9	71.5	77.1	76.4	82.0
Sorsogon	14.3	13.9	15.7	16.5	16.5	18.5	17.0	18.1	18.5	17.4
WESTERN VISAYAS	9,551.2	8,891.9	8,888.2	9,054.3	9,733.9	10,462.4	10,807.4	11,515.9	12,341.2	11,484.1
Aklan	184.0	186.8	180.4	180.9	161.6	160.9	146.4	143.2	134.6	130.1
Antique	387.6	343.6	340.5	343.7	350.3	341.9	373.4	409.1	426.0	472.2
Capiz	186.1	216.0	232.2	226.3	224.5	220.8	235.0	243.6	230.2	223.4
Guimaras	19.1	19.7	18.6	18.5	19.8	20.8	13.3	20.7	22.7	22.7
Iloilo	8,468.2	7,836.0	7,825.0	7,996.0	8,677.0	9,418.6	9,740.3	10,405.0	11,225.0	10,325.0
Negros Occidental	306.2	289.8	291.6	288.9	300.7	299.5	298.9	294.4	302.9	310.7
CENTRAL VISAYAS	3,832.9	3,877.6	3,976.5	5,040.4	6,027.4	5,768.0	4,868.7	5,099.3	5,365.0	4,937.5
Bohol	1,541.8	1,468.8	1,382.2	1,504.1	1,870.3	1,835.4	1,353.1	1,492.1	1,804.5	1,549.7
Cebu	1,575.0	1,741.2	1,902.6	2,438.6	2,804.2	2,702.2	2,445.7	2,490.4	2,493.6	2,363.9
Negros Oriental	693.0	644.6	669.6	1,071.1	1,323.8	1,201.1	1,043.0	1,088.7	1,039.2	1,000.2
Siquijor	23.2	23.0	22.1	26.6	29.2	29.3	26.9	28.2	27.8	23.7
EASTERN VISAYAS	721.7	696.1	719.2	679.8	596.2	618.1	617.1	575.5	569.0	600.1
Biliran	71.8	69.9	72.1	70.5	64.5	64.9	65.1	60.8	46.5	46.8
Eastern Samar	63.5	61.5	61.7	61.5	58.0	59.1	56.1	28.7	27.9	30.5
Leyte	222.1	220.8	228.0	223.0	166.3	186.9	180.3	171.8	178.1	199.3
Northern Samar	18.6	19.2	22.5	25.0	25.8	25.7	24.9	25.5	26.2	27.0
Samar (Western Samar)	258.0	88.2	87.7	86.9	85.7	87.5	88.4	91.1	92.3	98.3
Southern Leyte	87.7	236.6	247.2	212.9	195.9	194.1	202.4	197.6	198.1	198.2
ZAMBOANGA PENINSULA	1,763.5	1,767.7	1,809.2	3,011.3	5,761.4	5,895.6	5,927.8	5,874.3	6,006.4	5,975.3
Zamboanga del Norte	912.9	344.4	346.5	454.1	463.5	437.5	396.8	405.0	343.8	344.3
Zamboanga del Sur	338.7	382.0	369.7	533.4	763.0	798.9	828.9	847.8	916.6	920.5
Zamboanga Sibugay	406.4	115.4	127.0	168.3	192.8	203.9	198.1	204.8	211.5	201.8
City of Zamboanga	105.6	926.0	966.0	1,855.5	4,342.2	4,455.3	4,504.0	4,416.7	4,534.5	4,508.7
NORTHERN MINDANAO	50,485.5	51,108.9	50,085.9	48,934.4	47,922.9	45,999.7	46,213.2	47,395.4	47,991.0	48,528.6
Bukidnon	39,080.0	39,525.0	38,726.0	39,174.0	39,390.0	37,750.0	37,904.0	39,010.0	40,282.0	41,125.0
Camiguin	65.2	75.2	70.9	73.4	84.9	76.1	72.0	76.5	71.6	64.8
Lanao del Norte	553.5	569.5	604.0	611.0	588.5	555.2	577.3	554.3	602.0	606.0
Misamis Occidental	542.3	578.8	605.0	626.0	649.4	652.5	615.0	628.7	641.4	632.8
Misamis Oriental	10,244.4	10,360.4	10,080.0	8,450.0	7,210.0	6,966.0	7,045.0	7,126.0	6,394.0	6,100.0
DAVAO REGION	4,337.9	4,296.4	4,193.5	4,066.7	4,030.8	4,090.6	3,935.3	4,043.3	4,087.5	4,223.7
Davao del Norte	72.3	67.2	71.6	71.5	77.8	77.6	78.2	77.2	76.5	75.2
Davao del Sur	2,029.5	2,011.0	2,033.6	2,038.7	2,073.6	2,103.9	2,059.9	2,096.6	2,138.9	2,164.7
City of Davao	658.9	633.9	623.1	638.8	708.5	709.7	648.8	734.6	750.5	738.5
Davao Oriental	149.8	144.0	146.2	154.2	203.1	208.5	203.0	213.5	218.8	220.5
Davao de Oro (Compostela Valley)	1,427.5	1,440.2	1,319.1	1,163.6	967.7	990.9	945.4	921.5	902.9	910.9
Davao Occidental	..	..	..	..	..	..	..	..	..	113.9
SOCCSKSARGEN	5,052.8	5,161.8	5,306.4	4,921.1	5,139.1	5,173.5	5,303.1	5,161.3	5,151.9	5,229.8
North Cotabato	4,200.4	4,291.8	4,418.9	4,049.1	4,274.3	4,311.5	4,425.0	4,218.5	4,211.4	4,248.7
Sarangani	217.5	239.0	233.1	229.5	227.3	227.0	201.2	211.0	218.0	220.5
South Cotabato	249.7	270.2	273.1	275.2	279.6	278.0	313.6	341.3	355.2	367.3
Sultan Kudarat	385.2	360.7	381.3	367.4	357.8	357.0	363.3	390.6	367.3	393.3
CARAGA	313.9	177.2	212.0	234.1	248.2	241.4	433.0	500.9	492.7	494.4
Agusan del Norte	115.3	55.4	87.6	95.0	113.5	58.8	67.2	65.2	76.7	64.7
Agusan del Sur	76.7	61.5	67.3	74.9	83.7	135.2	312.5	377.1	352.1	362.1
Dinagat Islands	..	..	..	..	..	..	2.4	2.8	5.6	8.5
Surigao del Norte	45.0	21.6	16.9	17.5	11.5	4.5	6.0	10.5	12.2	12.2
Surigao del Sur	76.9	38.8	40.3	46.8	39.6	42.8	45.0	45.3	46.2	47.0
ARMM	405.3	404.1	414.4	410.5	413.8	412.7	412.2	416.3	433.9	401.3
Basilan	26.1	25.6	24.9	24.7	25.6	26.3	27.1	27.9	29.5	24.7
Lanao del Sur	35.6	34.9	33.3	32.1	33.5	33.5	33.4	33.5	34.7	36.5
Maguindanao	314.0	311.7	322.0	321.5	323.5	323.9	324.9	327.7	342.1	312.4
Sulu	26.5	28.4	30.2	28.1	26.4	23.9	21.9	22.4	22.9	22.9
Tawi-tawi	3.1	3.6	4.0	4.2	4.9	5.2	5.0	4.8	4.7	4.8

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.12.2
OTHER CROPS: VOLUME OF PRODUCTION BY CROP AND GEOLOCATION *(concluded)*
2010 to 2019
(in metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
White/Irish Potato										
PHILIPPINES	**124,671.2**	**120,573.7**	**119,569.8**	**117,721.6**	**119,140.0**	**118,479.3**	**116,783.5**	**117,637.3**	**117,422.5**	**116,061.1**
CAR	107,182.0	103,135.4	102,433.7	100,758.1	102,255.2	101,828.5	99,980.9	100,422.7	99,200.8	97,623.9
Abra	..	..	..	..	..	..	..	..	..	..
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	95,778.6	90,815.6	90,148.0	88,372.8	89,918.4	90,094.6	88,771.1	89,892.5	89,250.0	88,725.0
Ifugao	138.8	135.3	138.9	141.1	141.8	132.6	120.1	106.3	82.7	51.2
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	11,264.6	12,184.5	12,146.8	12,244.2	12,195.0	11,601.4	11,089.7	10,424.0	9,868.1	8,847.6
ILOCOS REGION	..	..	..	..	..	..	..	..	..	..
Ilocos Norte	..	..	..	..	..	..	..	..	..	..
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	..	..	..	..	..	..	..	..	..	..
Pangasinan	..	..	..	..	..	..	..	..	..	..
CAGAYAN VALLEY	440.9	443.1	421.4	427.3	448.3	419.9	459.6	466.2	468.8	469.6
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	1.7	2.1	2.3	2.4	2.1	2.4	2.1	2.2	2.0	1.9
Nueva Vizcaya	439.2	441.0	419.1	424.9	446.2	417.6	457.5	464.0	465.4	465.2
Quirino	..	..	..	..	..	..	..	..	1.4	2.4
CENTRAL LUZON	2.6	2.6	2.6	..	..	..	..	..	..	..
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	..	..	..	..	..	..	..	..	..	..
Bulacan	..	..	..	..	..	..	..	..	..	..
Nueva Ecija	2.6	2.6	2.6	..	..	..	..	..	..	..
Pampanga	..	..	..	..	..	..	..	..	..	..
Tarlac	..	..	..	..	..	..	..	..	..	..
Zambales	..	..	..	..	..	..	..	..	..	..
CALABARZON	..	..	..	..	..	..	..	..	..	..
Batangas	..	..	..	..	..	..	..	..	..	..
Cavite	..	..	..	..	..	..	..	..	..	..
Laguna	..	..	..	..	..	..	..	..	..	..
Quezon	..	..	..	..	..	..	..	..	..	..
Rizal	..	..	..	..	..	..	..	..	..	..
MIMAROPA	..	..	..	..	..	..	..	..	..	..
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	..	..	..	..	..	..	..	..	..	..
Oriental Mindoro	..	..	..	..	..	..	..	..	..	..
Palawan	..	..	..	..	..	..	..	..	..	..
Romblon	..	..	..	..	..	..	..	..	..	..
BICOL REGION	..	..	..	..	..	..	..	..	..	..
Albay	..	..	..	..	..	..	..	..	..	..
Camarines Norte	..	..	..	..	..	..	..	..	..	..
Camarines Sur	..	..	..	..	..	..	..	..	..	..
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	..	..	..	..	..	..	..	..	..	..
Capiz	..	..	..	..	..	..	..	..	..	..
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	..	..	..	..	..	..	..	..	..	..
Negros Occidental	..	..	..	..	..	..	..	..	..	..
CENTRAL VISAYAS	55.9	57.5	54.9	33.7	7.2	3.7	5.4	0.7	1.2	1.7
Bohol	..	..	..	..	..	..	..	..	..	..
Cebu	0.2	..	..	..	..	..	..	..	..	..
Negros Oriental	55.7	57.5	54.9	33.7	7.2	3.7	5.4	0.7	1.2	1.7
Siquijor	..	..	..	..	..	..	..	..	..	..
EASTERN VISAYAS	..	..	..	..	..	..	..	..	..	..
Biliran	..	..	..	..	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	..	..	..	..	..	..	..	..	..	..
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar (Western Samar)	..	..	..	..	..	..	..	..	..	..
Southern Leyte	..	..	..	..	..	..	..	..	..	..
ZAMBOANGA PENINSULA	..	..	..	..	..	..	..	..	..	..
Zamboanga del Norte	..	..	..	..	..	..	..	..	..	..
Zamboanga del Sur	..	..	..	..	..	..	..	..	..	..
Zamboanga Sibugay	..	..	..	..	..	..	..	..	..	..
City of Zamboanga	..	..	..	..	..	..	..	..	..	..
NORTHERN MINDANAO	6,870.0	6,745.0	6,550.0	6,355.0	6,145.0	5,810.0	5,879.2	6,034.2	6,142.1	6,231.1
Bukidnon	6,870.0	6,745.0	6,550.0	6,355.0	6,145.0	5,810.0	5,879.0	6,034.0	6,142.0	6,231.0
Camiguin	..	..	..	..	..	..	0.2	0.2	0.1	0.1
Lanao del Norte	..	..	..	..	..	..	..	..	..	..
Misamis Occidental	..	..	..	..	..	..	..	..	..	..
Misamis Oriental	..	..	..	..	..	..	..	..	..	..
DAVAO REGION	9,557.9	9,601.1	9,512.7	9,511.4	9,633.8	9,801.2	9,846.2	10,044.0	10,926.5	11,084.8
Davao del Norte	..	..	..	..	..	..	..	..	..	..
Davao del Sur	9,543.7	9,584.7	9,496.8	9,495.6	9,618.3	9,786.3	9,831.6	10,028.4	10,910.2	11,069.9
City of Davao	14.1	16.4	15.9	15.8	15.5	14.9	14.6	15.6	16.3	14.9
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	..	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	562.0	589.1	594.6	636.2	650.6	616.1	612.2	669.6	683.0	650.0
North Cotabato	181.4	194.0	202.8	218.7	239.8	220.6	215.5	219.5	208.1	195.4
Sarangani	63.0	62.2	62.2	58.5	56.4	49.8	42.0	45.7	46.8	48.0
South Cotabato	214.7	235.1	234.5	260.4	260.1	253.2	266.4	280.6	283.2	270.7
Sultan Kudarat	102.9	97.8	95.1	98.6	94.3	92.5	88.3	123.8	145.0	136.0
CARAGA	..	..	..	..	..	..	..	..	..	..
Agusan del Norte	..	..	..	..	..	..	..	..	..	..
Agusan del Sur	..	..	..	..	..	..	..	..	..	..
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	..
ARMM	..	..	..	..	..	..	..	..	..	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	..	..	..	..	..	..	..	..	..	..
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

2012-2013: Revised due to inclusion of Batanes data
2015: Revised data of Cassava

Table 2.13.1

VOLUME AND VALUE OF AGRICULTURAL PRODUCTS EXPORTS BY CROP

2010 to 2019

COMMODITY	2010		2011		2012		2013		2014	
	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)
Grains				-						
Rice	240.4	38,392.8	538.4	93,643.0	298.1	53,533.4	2,664.1	228,731.3	1,075.3	143,673.4
Corn	26.0	3,338.1	12.4	1,879.8	21.3	3,779.5	310.8	50,554.4	717.7	119,141.9
Other crops										
Banana, *fresh*	1,590,065.7	14,403,317.3	2,005,510.4	20,460,142.7	2,646,117.6	27,307,549.9	3,266,547.6	40,859,091.9	3,630,976.3	50,150,273.7
Centrifugal sugar	72,436.2	1,659,733.4	578,737.5	15,222,453.9	201,930.5	4,594,362.0	471,268.6	11,583,320.3	206,825.0	4,755,242.6
Pineapple, *fresh*	164,552.6	1,884,528.4	263,271.8	2,851,936.2	397,018.0	4,208,758.2	489,742.9	6,473,096.7	487,492.4	6,831,202.3
Mango, *fresh*	20,115.0	685,116.6	21,150.9	724,256.3	18,440.1	643,562.6	7,886.0	564,421.3	21,111.5	1,083,446.4
Coconut (matured)	-	-	748.5	14,947.4	134.2	2,043.9	470.8	8,854.9	36.0	886.8
Onion, *fresh*	315.0	4,159.1	-	-	-	-	3,570.7	66,449.1	2,690.9	64,482.3
Mongo Beans	421.8	18,923.5	275.1	17,303.6	77.4	3,175.6	27.8	514.3	50.1	1,608.0
Coffee, Robusta	19.0	1,208.9	0.1	52.0	1.8	601.8	-	-	-	-
Cocoa Beans	180.7	22,744.3	123.8	15,441.1	298.1	27,001.1	498.1	45,763.7	1,769.7	197,941.4
Leaf Tobacco, Virginia type	12,016.5	1,793,763.2	13,638.6	1,873,228.2	4,893.8	1,388,128.0	12,129.6	1,537,722.6	14,231.4	2,151,914.9
Garlic, *fresh*	-	-	-	-	-	-	-	-	1.7	153.7
Sweet Potato	3.1	230.1	-	-	5.3	295.6	16.3	519.9	21.2	1,415.0
Cassava, *fresh*	3.1	59,423.0	3.9	251.2	582.8	40,805.7	1,031.0	67,634.4	1,743.5	101,418.2
Tomato	-	-	1,098.3	67,447.2	-	-	-	-	-	-
Cabbage	-	-	4.0	649.7	-	-	-	-	-	-
Papaya, *fresh*	1,390.5	89,772.7	2,950.8	143,266.9	3,065.5	156,060.7	5,924.8	260,308.4	5,108.4	212,915.0
Watermelon, *fresh*	1,601.7	9,915.1	666.2	3,945.8	1,293.1	7,453.4	85.4	1,146.2	168.8	1,700.4
Calamansi, *fresh*	30.8	1,804.4	27.9	1,663.2	35.3	1,520.2	29.4	1,293.6	44.8	1,933.3

COMMODITY	2015		2016		2017		2018		2019	
	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)
Grains										
Rice	219.5	36,412.1	263.3	20,764.8	322.0	44,612.1	308.9	29,714.9	344.9	26,832.1
Corn	492.0	218,308.2	346.9	50,876.0	595.5	84,108.7	333.8	52,051.5	415.3	62,828.9
Other crops										
Banana	1,795,199.3	29,931,743.5	1,733,836.3	34,683,497.2	2,855,635.1	56,880,259.3	3,126,203.3	72,779,319.4	4,403,496.3	101,177,609.3
Coconut	3,136.1	56,469.4	5,091.8	120,795.4	1,229.7	30,794.4	1,309.3	35,738.8	1,380.9	36,919.7
Mango	12,981.3	731,866.8	14,343.0	632,490.5	16,116.1	1,167,315.9	13,562.2	990,941.7	14,211.8	1,017,482.3
Sugarcane	0.5	9.5	0.7	16.3	1.3	27.6	0.5	13.5	1.6	47.4
Pineapple	315,822.0	5,740,503.7	599,343.1	11,284,705.3	494,273.0	10,040,306.8	391,982.1	8,651,209.1	631,486.2	16,824,913.1
Cassava	656.1	34,268.9	641.0	32,875.5	680.9	40,291.1	905.9	44,438.6	808.6	47,425.5
Rubber	82,607.5	2,810,704.6	66,965.7	1,777,479.8	132,732.2	5,184,797.5	118,109.7	4,300,534.4	124,272.0	4,180,687.8
Sweet Potato	25.8	1,453.9	23.8	1,628.7	25.8	1,925.8	29.8	2,366.5	732.7	57,221.4
Onion	922.3	27,696.6	601.3	25,431.9	548.3	27,939.0	121.0	7,769.5	379.2	23,662.9
Eggplant	0.030	2.1	-	-	-	-	-	-	0.3	40.3
Coffee	2.1	746.3	5.9	1,719.4	-	-	17.1	6,623.9	14.2	6,838.1
Tobacco	32,853.0	4,596,451.7	23,907.7	3,554,563.1	34,439.0	5,481,672.7	37,088.6	7,527,526.6	40,425.6	7,997,817.1
Abaca	388.0	726,588.9	85.4	960,957.8	151.1	1,817,354.8	153.7	1,935,630.4	94.4	1,219,407.2
Tomato	-	-	0.4	7.5	-	-	-	-	-	-
Potato	-	-	0.7	146.2	2.1	151.8	0.9	71.1	6.6	763.5
Ampalaya	-	-	-	-	-	-	-	-	-	-
Cabagge	-	-	-	-	0.2	21.8	0.4	35.1	-	-
Calamansi	43.0	1,500.4	53.6	1,760.1	69.4	3,138.1	59.5	3,468.6	99.7	7,085.0
Mongo	0.1	5.6	2.9	428.5	21.6	3,534.3	2.3	269.0	385.1	7,321.5
Cacao	1,803.7	262,094.1	2,232.8	345,616.2	3,094.4	422,291.7	2,732.6	359,807.7	3,048.8	406,970.7

- no exports

Source: Philippine Statistics Authority

Table 2.13.2

VOLUME AND VALUE OF AGRICULTURAL PRODUCTS IMPORTS BY CROP

2010 to 2019

COMMODITY	2010		2011		2012		2013		2014	
	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)
Grains										
Rice	2,379,115.0	74,544,784.6	707,668.4	16,595,467.4	1,042,143.6	18,499,784.6	399,076.6	7,314,295.7	1,089,140.6	20,140,416.2
Corn	88,470.3	3,483,729.1	66,193.1	2,079,762.6	136,574.6	3,738,025.3	341,604.6	5,879,815.0	575,138.7	9,100,989.4
Other crops										
Onion, *fresh*	10,779.7	59,170.3	4,781.5	28,270.5	18,307.7	95,644.0	8,507.9	48,485.5	9,047.0	71,717.6
Mongo Beans	31,583.2	754,197.5	26,885.6	670,703.9	32,794.6	686,065.9	33,910.1	976,270.9	28,903.6	901,172.9
Coffee, *Roasted*	344.0	24,589.3	302.7	33,611.0	754.5	89,892.4	474.0	62,029.7	1,215.6	209,093.8
Cocoa Beans	726.1	110,590.9	302.4	46,418.7	147.7	15,683.8	218.2	24,785.9	513.1	74,951.0
Leaf Tobacco, *Virginia type*	21,178.0	3,016,803.5	19,757.7	2,308,499.2	26,847.5	3,145,445.6	28,712.3	3,675,019.2	15,079.4	3,014,307.1
Garlic, *fresh*	17,694.1	96,363.3	7850.4	62,089.4	5961.5	41,485.6	2,532.2	19,134.1	29,659.6	402,849.5
Cassava, *fresh*	24,500.0	282,409.1	12,706.0	224,253.8	78.1	924.8	15,877.5	235,711.1	10,438.8	160,959.2
Tomato, *fresh*	-	-	950.3	22,219.6	11.8	181.6	0.3	14.7	10.5	581.7
Cabbage, *fresh*	-	-	-	-	-	-	-	-	-	-
Pineapple, *fresh*	-	-	-	-	-	-	-	-	-	-
Potato, *fresh*	6,893.5	115,038.7	8,176.1	132,014.1	6,299.3	92,181.2	4,362.3	54,175.8	6,666.1	109,525.9
Cauliflower and headded	241.2	7,551.4	123.0	5,474.8	112.7	8,580.9	24.1	2,067.1	27.1	1,942.5
Carrots, *fresh*	40	866.1	49.5	1,221.4	10.4	439.2	25.4	706.3	12.1	140.9

COMMODITY	2015		2016		2017		2018		2019	
	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)	Volume (in MT)	Value (in thousand Php)
Grains										
Rice	1,481,504.2	28,013,214.2	609,363.6	13,242,850.7	888,085.9	18,029,117.7	2,006,348.6	45,786,672.4	3,122,094.1	59,270,095.6
Corn	712,423.7	8,995,823.2	806,118.6	10,077,247.9	475,244.0	6,509,394.5	1,016,746.9	15,723,649.6	458,429.3	8,221,111.5
Other crops										
Banana	-	-	14.3	754.9	1.9	1,450.6	2.3	1,827.0	0.6	502.3
Coconut	-	-	-	-	10.5	1,229.5	9.0	1,926.5	-	-
Mango	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	67.8	2,616.0	4.1	1,627.8	-	-	-	-
Cassava	-	-	8.6	256.4	-	-	-	-	-	-
Rubber	41,296.8	3,361,948.4	54,902.2	4,277,375.1	45,614.5	4,799,944.0	49,783.9	5,229,764.8	56,134.8	5,332,846.3
Sweet Potato	24.0	569.4	3.0	216.0	2.2	166.9	-	-	0.5	70.3
Onion	34,220.0	265,145.0	135,295.6	1,056,588.6	34,084.0	309,893.4	108,080.7	1,171,851.7	23,589.8	261,849.8
Eggplant	-	-	-	-	-	-	-	-	-	-
Coffee	41,051.4	3,833,623.8	41,161.9	3,662,818.1	21,836.5	2,480,998.2	41,288.9	4,429,945.0	35,091.1	3,172,886.3
Tobacco	49,588.0	8,952,405.0	40,704.7	7,963,878.6	40,276.2	9,282,157.2	65,363.3	14,702,746.9	53,133.8	10,562,264.5
Abaca	1.1	15,414.6	18.4	301,336.9	42.2	731,987.0	24.3	468,562.0	44.5	885,030.5
Tomato	64.5	1,859.1	-	-	0.0	2.6	-	-	0.1	20.4
Potato	20,026.9	339,620.2	20,246.5	422,268.6	20,262.4	450,471.8	23,355.0	558,789.2	25,688.9	581,375.1
Ampalaya	-	-	-	-	-	-	-	-	-	-
Cabagge	-	-	0.6	13.1	-	-	-	-	-	-
Calamansi	-	-	-	-	-	-	-	-	-	-
Mongo	31,240.4	998,627.4	31,232.4	993,694.2	36,474.8	1,264,971.3	38,230.7	1,537,322.2	36,645.7	1,700,408.1
Cacao	1,960.3	54,357.1	1,940.9	107,437.5	3,107.4	111,400.4	2,236.4	122,141.5	1,122.8	11,377.7

- no imports

Source: Philippine Statistics Authority

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION
2010 to 2019
(In heads)

	2010			2011			2012			2013			2014		
	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
Carabao															
PHILIPPINES	**3,270,406**	**3,262,489**	**7,917**	**3,075,259**	**3,063,741**	**11,518**	**2,963,980**	**2,951,714**	**12,266**	**2,912,842**	**2,900,681**	**12,161**	**2,847,445**	**2,835,818**	**11,627**
NCR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CAR	83,322	82,953	369	85,395	84,717	678	88,106	87,405	701	88,794	87,834	960	87,273	86,403	870
Abra	37,532	37,512	20	39,212	39,186	26	41,002	40,976	26	41,629	41,599	30	39,984	39,957	27
Apayao	9,671	9,671	..	10,813	10,813	..	11,620	11,620	..	11,851	11,851	..	12,227	12,227	..
Benguet	11,846	11,846	..	8,805	8,805	..	8,964	8,964	..	9,141	9,141	..	9,482	9,482	..
Ifugao	6,677	6,328	349	8,114	7,866	248	7,922	7,669	253	8,189	7,600	589	7,722	7,166	556
Kalinga	11,243	11,243	..	12,600	12,196	404	12,784	12,362	422	12,174	11,833	341	11,773	11,486	287
Mountain Province	6,353	6,353	..	5,851	5,851	..	5,814	5,814	..	5,810	5,810	..	6,085	6,085	..
ILOCOS REGION	185,297	185,108	189	155,678	155,224	454	152,804	152,433	371	161,197	160,876	321	157,057	156,699	358
Ilocos Norte	24,461	24,290	171	25,019	24,843	176	26,956	26,806	150	32,620	32,564	56	33,089	33,027	62
Ilocos Sur	18,050	18,050	..	16,596	16,495	101	16,788	16,680	108	17,346	17,232	114	18,280	18,165	115
La Union	32,518	32,500	18	30,404	30,400	4	30,471	30,447	24	31,141	31,115	26	28,515	28,507	8
Pangasinan	110,268	110,268	..	83,659	83,486	173	78,589	78,500	89	80,090	79,965	125	77,173	77,000	173
CAGAYAN VALLEY	325,166	323,601	1,565	298,915	295,861	3,054	273,572	269,758	3,814	258,092	254,250	3,842	252,830	249,360	3,470
Batanes	..	..	..	..	..	..	..	..	..	..	..	..	2,604	2,604	..
Cagayan	134,276	133,215	1,061	119,199	117,860	1,339	103,460	101,544	1,916	97,383	95,301	2,082	96,235	94,312	1,923
Isabela	144,710	144,206	504	134,685	133,070	1,615	125,732	123,952	1,780	117,291	115,651	1,640	110,428	108,990	1,438
Nueva Vizcaya	22,465	22,465	..	21,765	21,700	65	21,537	21,456	81	21,111	21,030	81	21,245	21,163	82
Quirino	23,715	23,715	..	23,266	23,231	35	22,843	22,806	37	22,307	22,268	39	22,318	22,291	27
CENTRAL LUZON	206,852	205,692	1,160	204,580	201,761	2,819	203,703	201,022	2,681	204,094	201,551	2,543	211,966	209,248	2,718
Aurora	26,252	26,252	..	23,109	23,109	..	20,062	20,062	..	18,046	18,046	..	17,892	17,892	..
Bataan	6,013	5,997	16	6,878	6,863	15	7,830	7,811	19	8,235	8,215	20	8,857	8,825	32
Bulacan	5,590	5,380	210	10,780	10,426	354	12,022	11,578	444	13,410	12,853	557	14,454	13,735	719
Nueva Ecija	53,950	53,140	810	51,442	49,268	2,174	53,535	51,695	1,840	54,658	53,118	1,540	56,107	54,564	1,543
Pampanga	21,843	21,757	86	23,191	23,040	151	25,387	25,205	182	28,253	28,051	202	31,839	31,631	208
Tarlac	62,195	62,190	5	61,049	60,974	75	57,502	57,372	130	53,314	53,178	136	53,693	53,576	117
Zambales	31,009	30,976	33	28,131	28,081	50	27,365	27,299	66	28,178	28,090	88	29,124	29,025	99
CALABARZON	170,639	169,949	690	171,500	170,540	960	170,789	169,728	1,061	172,016	170,982	1,034	171,388	170,563	825
Batangas	35,974	35,974	..	36,864	36,864	..	37,233	37,233	..	38,076	38,076	..	38,274	38,274	..
Cavite	4,520	4,520	..	4,267	4,267	..	4,000	4,000	..	4,042	4,042	..	4,084	4,084	..
Laguna	37,655	37,655	..	37,230	37,000	230	36,079	35,768	311	37,396	37,107	289	37,030	36,855	175
Quezon	81,890	81,200	690	82,130	81,400	730	82,820	82,070	750	82,695	81,950	745	83,300	82,650	650
Rizal	10,600	10,600	..	11,009	11,009	..	10,657	10,657	..	9,807	9,807	..	8,700	8,700	..
MIMAROPA	135,143	135,143	..	124,338	124,338	..	120,466	120,408	58	116,130	116,060	70	115,910	115,823	87
Marinduque	14,259	14,259	..	12,532	12,532	..	10,889	10,889	..	9,559	9,559	..	9,610	9,610	..
Occidental Mindoro	56,243	56,243	..	48,285	48,285	..	45,772	45,772	..	41,506	41,506	..	38,978	38,978	..
Oriental Mindoro	35,771	35,771	..	34,066	34,066	..	33,332	33,332	..	33,299	33,299	..	33,805	33,805	..
Palawan	17,250	17,250	..	19,593	19,593	..	21,606	21,548	58	23,642	23,572	70	25,521	25,434	87
Romblon	11,620	11,620	..	9,862	9,862	..	8,867	8,867	..	8,124	8,124	..	7,996	7,996	..
BICOL REGION	256,335	254,844	1,491	245,321	244,212	1,109	250,726	249,630	1,096	257,943	256,832	1,111	269,100	267,990	1,110
Albay	51,435	51,435	..	49,841	49,841	..	52,376	52,376	..	56,781	56,781	..	62,139	62,139	..
Camarines Norte	30,624	30,624	..	30,520	30,520	..	33,500	33,500	..	36,486	36,486	..	39,065	39,065	..
Camarines Sur	66,037	65,979	58	61,715	61,715	..	62,864	62,864	..	61,846	61,820	26	63,238	63,206	32
Catanduanes	10,679	10,679	..	11,775	11,775	..	9,622	9,596	26	8,509	8,486	23	7,732	7,710	22
Masbate	66,537	65,104	1,433	63,549	62,440	1,109	63,270	62,200	1,070	63,331	62,269	1,062	63,690	62,634	1,056
Sorsogon	31,023	31,023	..	27,921	27,921	..	29,094	29,094	..	30,990	30,990	..	33,236	33,236	..
WESTERN VISAYAS	327,722	327,367	355	312,022	311,750	272	311,055	310,769	286	310,114	309,827	287	313,592	313,361	231
Aklan	23,731	23,731	..	21,634	21,634	..	21,713	21,713	..	21,993	21,993	..	23,308	23,308	..
Antique	36,547	36,547	..	34,559	34,559	..	37,804	37,804	..	36,472	36,472	..	36,873	36,873	..
Capiz	53,760	53,691	69	42,940	42,852	88	39,837	39,746	91	40,426	40,335	91	41,236	41,180	56
Guimaras	16,053	16,053	..	15,512	15,512	..	14,738	14,738	..	14,643	14,643	..	14,889	14,889	..
Iloilo	101,746	101,640	106	97,069	96,972	97	94,328	94,223	105	93,373	93,269	104	93,858	93,770	88
Negros Occidental	95,885	95,705	180	100,308	100,221	87	102,635	102,545	90	103,207	103,115	92	103,428	103,341	87
CENTRAL VISAYAS	170,074	169,674	400	169,295	168,810	485	170,886	170,330	556	172,662	172,144	518	174,501	173,953	548
Bohol	63,595	63,227	368	64,152	63,737	415	64,758	64,284	474	65,962	65,488	474	67,383	66,883	500
Cebu	48,472	48,472	..	46,376	46,346	30	47,327	47,296	31	46,909	46,909	..	47,098	47,098	..
Negros Oriental	57,189	57,157	32	57,973	57,933	40	58,006	57,955	51	58,985	58,941	44	59,199	59,151	48
Siquijor	818	818	..	794	794	..	795	795	..	806	806	..	821	821	..
EASTERN VISAYAS	337,971	337,146	825	309,048	308,778	270	293,694	293,463	231	280,210	280,012	198	234,612	234,431	181
Biliran	6,770	6,770	..	5,158	5,158	..	4,192	4,192	..	4,096	4,096	..	4,320	4,320	..
Eastern Samar	36,520	36,520	..	32,930	32,930	..	28,984	28,984	..	25,124	25,124	..	20,160	20,160	..
Leyte	180,655	179,830	825	162,219	161,974	245	156,025	155,823	202	149,871	149,696	175	114,513	114,354	159
Northern Samar	49,265	49,265	..	46,820	46,820	..	44,674	44,674	..	45,680	45,680	..	46,825	46,825	..
Samar	45,300	45,300	..	42,931	42,906	25	41,917	41,888	29	39,160	39,137	23	33,291	33,269	22
Southern Leyte	19,461	19,461	..	18,990	18,990	..	17,902	17,902	..	16,279	16,279	..	15,503	15,503	..
ZAMBOANGA PENINSULA	172,988	172,879	109	151,615	151,450	165	141,339	141,162	177	139,712	139,568	144	141,849	141,702	147
Zamboanga del Norte	83,492	83,383	109	68,539	68,444	95	64,546	64,424	122	64,466	64,329	137	63,265	63,125	140
Zamboanga del Sur	40,500	40,500	..	39,422	39,352	70	36,371	36,316	55	37,127	37,120	7	40,039	40,032	7
Zamboanga Sibugay	41,716	41,716	..	36,734	36,734	..	33,722	33,722	..	32,010	32,010	..	32,020	32,020	..
Zamboanga City	7,280	7,280	..	6,920	6,920	..	6,700	6,700	..	6,109	6,109	..	6,525	6,525	..
NORTHERN MINDANAO	133,819	133,575	244	129,033	128,373	660	127,778	127,040	738	126,739	126,023	716	123,997	123,310	687
Bukidnon	60,354	60,110	244	58,010	57,700	310	56,816	56,500	316	54,804	54,500	304	52,424	52,000	424
Camiguin	2,450	2,450	..	2,447	2,447	..	2,475	2,475	..	2,520	2,520	..	2,580	2,580	..
Lanao del Norte	33,440	33,440	..	33,505	33,175	330	33,988	33,566	422	35,312	34,900	412	36,113	35,850	263
Misamis Occidental	25,075	25,075	..	22,470	22,470	..	22,224	22,224	..	22,330	22,330	..	21,680	21,680	..
Misamis Oriental	12,500	12,500	..	12,601	12,581	20	12,275	12,275	..	11,773	11,773	..	11,200	11,200	..
DAVAO REGION	178,526	178,381	145	171,129	170,975	154	166,513	166,361	152	162,009	161,865	144	162,621	162,484	137
Davao del Norte	27,432	27,390	42	27,531	27,485	46	25,267	25,210	57	24,740	24,700	40	23,681	23,639	42
Davao del Sur	49,844	49,810	34	47,234	47,198	36	46,250	46,212	38	43,907	43,867	40	41,666	41,625	41
Davao City	38,456	38,456	..	36,062	36,062	..	33,946	33,946	..	34,763	34,763	..	36,817	36,817	..
Davao Oriental	34,847	34,832	15	32,880	32,863	17	34,430	34,411	19	33,068	33,045	23	34,532	34,511	21
Davao de Oro (Compostela Valley)	27,947	27,893	54	27,422	27,367	55	26,620	26,582	38	25,531	25,490	41	25,925	25,892	33
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	274,322	274,020	302	255,139	254,977	162	240,783	240,497	286	235,330	235,109	221	222,195	221,999	196
Cotabato (North Cotabato)	102,842	102,755	87	95,312	95,210	102	92,065	91,810	255	90,010	89,824	186	79,704	79,544	160
Sarangani	32,624	32,624	..	31,800	31,800	..	30,600	30,600	..	29,800	29,800	..	28,600	28,600	..
South Cotabato	48,168	48,168	..	46,067	46,067	..	45,900	45,900	..	44,925	44,925	..	44,360	44,360	..
Sultan Kudarat	90,688	90,473	215	81,960	81,900	60	72,218	72,187	31	70,595	70,560	35	69,531	69,495	36
CARAGA	93,600	93,548	52	87,292	87,231	61	83,336	83,286	50	80,762	80,720	42	79,756	79,707	49
Agusan del Norte	14,077	14,025	52	14,771	14,720	51	14,724	14,680	44	14,389	14,350	39	14,418	14,370	48
Agusan del Sur	36,047	36,047	..	31,523	31,513	10	30,262	30,256	6	29,878	29,875	3	29,881	29,880	1
Surigao del Norte	19,921	19,921	..	18,650	18,650	..	17,225	17,225	..	17,037	17,037	..	17,050	17,050	..
Surigao del Sur	21,990	21,990	..	20,786	20,786	..	19,580	19,580	..	17,925	17,925	..	16,895	16,895	..
Dinagat Islands	1,565	1,565	..	1,562	1,562	..	1,545	1,545	..	1,533	1,533	..	1,512	1,512	..
ARMM	218,630	218,609	21	204,959	204,744	215	168,430	168,422	8	147,038	147,028	10	128,798	128,785	13
Basilan	17,789	17,768	21	17,577	17,567	10	19,368	19,360	8	20,890	20,880	10	22,340	22,327	13
Lanao del Sur	49,520	49,520	..	35,590	35,590	..	27,500	27,500	..	23,578	23,578	..	21,477	21,477	..
Maguindanao	150,427	150,427	..	150,897	150,692	205	120,562	120,562	..	101,470	101,470	..	83,772	83,772	..
Sulu	757	757	..	750	750	..	831	831	..	891	891	..	936	936	..
Tawi-tawi	137	137	..	145	145	..	169	169	..	209	209	..	273	273	..

.. Data not available

[1]Inventory as of 01 January

Source: Philippine Statistics Authority

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(continued)*

2010 to 2019

(In heads)

2015			2016			2017			2018			2019		
Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
2,854,838	**2,842,768**	**12,070**	**2,877,091**	**2,865,836**	**11,255**	**2,881,894**	**2,870,873**	**11,021**	**2,882,655**	**2,871,904**	**10,751**	**2,873,561**	**2,863,210**	**10,351**
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
86,023	85,094	929	86,265	85,338	927	86,509	85,562	947	86,808	85,904	904	85,713	85,370	343
36,875	36,854	21	34,770	34,750	20	33,320	33,300	20	31,989	31,973	16	30,400	30,370	30
12,657	12,657	..	13,014	13,014	..	13,216	13,216	..	13,810	13,810	..	14,300	14,300	..
10,260	10,260	..	11,300	11,300	..	11,806	11,806	..	11,655	11,655	..	11,325	11,325	..
7,648	7,020	628	7,643	7,038	605	7,668	7,050	618	7,844	7,239	605	7,363	7,218	145
12,634	12,354	280	13,699	13,397	302	14,879	14,570	309	16,203	15,920	283	17,131	16,963	168
5,949	5,949	..	5,839	5,839	..	5,620	5,620	..	5,307	5,307	..	5,194	5,194	..
160,310	159,947	363	163,561	163,164	397	165,850	165,437	413	169,592	169,130	462	169,996	169,519	477
33,455	33,381	74	34,339	34,269	70	34,756	34,678	78	34,654	34,582	72	33,932	33,862	70
19,028	18,951	77	19,938	19,874	64	20,136	20,097	39	21,299	21,260	39	21,935	21,901	34
29,268	29,260	8	30,737	30,727	10	32,242	32,242	..	34,750	34,750	..	37,182	37,182	..
78,559	78,355	204	78,547	78,294	253	78,716	78,420	296	78,889	78,538	351	76,947	76,574	373
247,171	244,177	2,994	242,831	239,898	2,933	235,936	233,025	2,911	230,707	227,704	3,003	225,352	222,379	2,973
2,835	2,835	..	3,008	3,008	..	3,172	3,172	..	3,329	3,329	..	3,367	3,367	..
95,876	94,233	1,643	94,868	93,156	1,712	93,522	91,807	1,715	92,751	90,978	1,773	93,156	91,326	1,830
104,592	103,357	1,235	100,743	99,575	1,168	95,300	94,210	1,090	90,070	88,973	1,097	83,462	82,436	1,026
21,447	21,362	85	22,037	22,016	21	22,612	22,544	68	23,339	23,244	95	24,278	24,193	85
22,421	22,390	31	22,175	22,143	32	21,330	21,292	38	21,218	21,180	38	21,089	21,057	32
217,665	214,003	3,662	223,978	220,851	3,127	223,036	220,435	2,601	230,230	227,942	2,288	231,446	228,866	2,580
17,750	17,750	..	17,311	17,311	..	16,461	16,461	..	17,060	17,060	..	17,010	17,010	..
8,755	8,725	30	8,411	8,385	26	8,105	8,084	21	7,653	7,633	20	7,220	7,208	12
16,118	15,100	1,018	18,179	16,729	1,450	18,728	17,971	757	19,407	18,680	727	19,809	19,041	768
56,684	54,486	2,198	56,820	55,550	1,270	55,554	54,210	1,344	56,897	55,760	1,137	57,438	56,012	1,426
35,653	35,458	195	39,599	39,398	201	39,236	39,033	203	39,044	38,860	184	39,884	39,698	186
53,190	53,084	106	53,544	53,493	51	56,867	56,711	156	60,858	60,750	108	60,912	60,823	89
29,515	29,400	115	30,114	29,985	129	28,085	27,965	120	29,311	29,199	112	29,173	29,074	99
171,696	170,909	787	170,091	169,504	587	176,002	175,406	596	176,573	175,911	662	177,661	177,051	610
38,800	38,800	..	39,125	39,125	..	44,650	44,650	..	45,233	45,233	..	45,875	45,875	..
4,189	4,189	..	4,220	4,220	..	4,240	4,240	..	4,242	4,242	..	4,255	4,255	..
38,779	38,610	169	38,832	38,659	173	38,798	38,626	172	38,920	38,686	234	38,967	38,797	170
82,028	81,410	618	80,114	79,700	414	80,614	80,190	424	80,578	80,150	428	80,864	80,424	440
7,900	7,900	..	7,800	7,800	..	7,700	7,700	..	7,600	7,600	..	7,700	7,700	..
117,107	116,998	109	121,219	121,081	138	125,254	125,077	177	127,733	127,508	225	131,011	130,755	256
9,706	9,706	..	10,412	10,412	..	10,597	10,597	..	9,837	9,837	..	8,806	8,806	..
38,358	38,358	..	39,269	39,269	..	40,767	40,767	..	42,197	42,197	..	45,368	45,368	..
33,760	33,760	..	33,606	33,606	..	34,447	34,447	..	35,287	35,287	..	36,416	36,416	..
27,327	27,218	109	29,780	29,642	138	31,617	31,440	177	32,382	32,157	225	32,316	32,060	256
7,956	7,956	..	8,152	8,152	..	7,826	7,826	..	8,030	8,030	..	8,105	8,105	..
278,331	277,318	1,013	288,641	287,601	1,040	302,610	301,588	1,022	311,988	311,132	856	313,757	313,249	508
68,026	68,026	..	72,794	72,794	..	80,300	80,300	..	85,641	85,641	..	84,682	84,682	..
41,359	41,359	..	43,842	43,842	..	46,165	46,165	..	48,864	48,864	..	50,311	50,311	..
65,019	64,986	33	67,010	66,993	17	69,330	69,328	2	71,627	71,626	1	73,923	73,921	2
6,865	6,840	25	6,412	6,397	15	6,092	6,077	15	5,812	5,799	13	6,340	6,320	20
64,076	63,121	955	64,368	63,360	1,008	66,740	65,735	1,005	66,204	65,362	842	65,271	64,785	486
32,986	32,986	..	34,215	34,215	..	33,983	33,983	..	33,840	33,840	..	33,230	33,230	..
312,583	312,349	234	311,366	311,134	232	306,855	306,546	309	302,407	302,106	301	299,589	299,277	312
22,768	22,768	..	21,788	21,788	..	20,332	20,332	..	18,457	18,457	..	17,320	17,320	..
37,209	37,209	..	37,327	37,327	..	37,156	37,086	70	37,720	37,656	64	37,445	37,385	60
41,268	41,205	63	41,051	40,997	54	39,549	39,500	49	37,279	37,232	47	37,202	37,150	52
14,362	14,362	..	13,953	13,953	..	13,060	13,060	..	12,041	12,041	..	11,483	11,483	..
93,926	93,850	76	93,974	93,900	74	92,812	92,713	99	92,885	92,785	100	92,996	92,875	121
103,050	102,955	95	103,273	103,169	104	103,946	103,855	91	104,025	103,935	90	103,143	103,064	79
177,952	177,403	549	181,531	181,011	520	183,676	183,113	563	187,576	187,079	497	190,360	189,800	560
68,522	68,014	508	69,576	69,092	484	70,057	69,583	474	72,314	71,834	480	72,274	71,768	506
47,722	47,722	..	48,414	48,414	..	49,213	49,213	..	50,215	50,215	..	51,817	51,817	..
60,864	60,823	41	62,664	62,628	36	63,474	63,385	89	64,066	64,049	17	65,240	65,186	54
844	844	..	877	877	..	932	932	..	981	981	..	1,029	1,029	..
233,613	233,418	195	230,637	230,424	213	225,421	225,168	253	224,945	224,342	603	217,244	216,628	616
4,414	4,414	..	4,820	4,820	..	4,905	4,905	..	4,998	4,998	..	4,984	4,984	..
19,175	19,175	..	19,527	19,527	..	19,858	19,858	..	18,293	18,293	..	17,307	17,307	..
117,419	117,259	160	119,099	118,912	187	117,797	117,570	227	121,785	121,210	575	119,190	118,620	570
46,640	46,640	..	42,124	42,124	..	40,255	40,255	..	39,635	39,635	..	37,782	37,782	..
31,517	31,482	35	31,532	31,506	26	30,056	30,030	26	28,930	28,902	28	28,189	28,143	46
14,448	14,448	..	13,535	13,535	..	12,550	12,550	..	11,304	11,304	..	9,792	9,792	..
144,969	144,839	130	149,471	149,346	125	151,585	151,466	119	150,210	150,096	114	147,604	147,468	136
62,707	62,582	125	62,790	62,675	115	64,567	64,456	111	62,819	62,713	106	62,760	62,648	112
43,140	43,135	5	47,010	47,000	10	46,111	46,103	8	45,871	45,863	8	43,703	43,679	24
32,497	32,497	..	32,771	32,771	..	33,209	33,209	..	33,411	33,411	..	32,948	32,948	..
6,625	6,625	..	6,900	6,900	..	7,698	7,698	..	8,109	8,109	..	8,193	8,193	..
125,189	124,492	697	125,772	125,138	634	124,501	123,832	669	123,771	123,437	334	124,552	123,972	580
53,537	53,200	337	53,744	53,465	279	52,737	52,428	309	52,511	52,232	279	53,622	53,270	352
2,732	2,732	..	2,883	2,883	..	2,875	2,875	..	2,971	2,971	..	2,980	2,980	..
37,225	36,865	360	37,515	37,160	355	37,687	37,327	360	37,155	37,100	55	37,224	36,996	228
21,220	21,220	..	21,770	21,770	..	21,530	21,530	..	21,514	21,514	..	21,692	21,692	..
10,475	10,475	..	9,860	9,860	..	9,672	9,672	..	9,620	9,620	..	9,034	9,034	..
162,801	162,651	150	162,219	162,056	163	160,519	160,368	151	155,762	155,592	170	149,972	149,817	155
22,117	22,075	42	20,021	19,955	66	18,683	18,633	50	17,372	17,308	64	16,267	16,202	65
42,376	42,325	51	43,507	43,463	44	41,776	41,720	56	39,116	39,044	72	35,910	35,850	60
37,508	37,508	..	38,695	38,695	..	38,642	38,642	..	38,715	38,715	..	38,273	38,273	..
34,224	34,200	24	32,824	32,808	16	33,170	33,153	17	33,492	33,473	19	33,615	33,593	22
26,576	26,543	33	27,172	27,135	37	28,248	28,220	28	27,067	27,052	15	25,907	25,899	8
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213,500	213,319	181	211,722	211,557	165	208,684	208,453	231	204,855	204,585	270	204,776	204,592	184
74,144	74,004	140	72,021	71,899	122	70,278	70,123	155	70,951	70,788	163	70,139	70,004	135
27,300	27,300	..	26,800	26,800	..	25,700	25,700	..	25,300	25,300	..	25,400	25,400	..
43,253	43,253	..	42,015	42,015	..	42,426	42,426	..	41,544	41,544	..	42,063	42,063	..
68,803	68,762	41	70,886	70,843	43	70,280	70,204	76	67,060	66,953	107	67,174	67,125	49
80,159	80,099	60	80,117	80,063	54	81,487	81,428	59	82,085	82,023	62	82,169	82,108	61
14,459	14,400	59	14,443	14,390	53	14,916	14,859	57	15,219	15,159	60	15,160	15,100	60
30,321	30,320	1	30,301	30,300	1	30,364	30,362	2	30,452	30,450	2	30,366	30,365	1
17,059	17,059	..	17,060	17,060	..	17,242	17,242	..	17,195	17,195	..	17,089	17,089	..
16,820	16,820	..	16,830	16,830	..	17,466	17,466	..	17,700	17,700	..	18,010	18,010	..
1,500	1,500	..	1,483	1,483	..	1,499	1,499	..	1,519	1,519	..	1,544	1,544	..
125,769	125,752	17	127,670	127,670	..	123,969	123,969	..	117,413	117,413	..	122,359	122,359	..
23,571	23,554	17	23,963	23,963	..	24,186	24,186	..	25,102	25,102	..	26,425	26,425	..
18,470	18,470	..	18,395	18,395	..	15,936	15,936	..	13,800	13,800	..	12,470	12,470	..
82,421	82,421	..	83,888	83,888	..	82,353	82,353	..	76,838	76,838	..	81,541	81,541	..
957	957	..	980	980	..	1,012	1,012	..	1,048	1,048	..	1,099	1,099	..
350	350	..	444	444	..	482	482	..	625	625	..	824	824	..

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(continued)*

2010 to 2019

(In heads)

	2010			2011			2012			2013			2014		
	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
Cattle															
PHILIPPINES	**2,570,879**	**2,403,296**	**167,583**	**2,518,407**	**2,343,975**	**174,432**	**2,493,157**	**2,321,655**	**171,502**	**2,497,908**	**2,323,361**	**174,547**	**2,512,184**	**2,341,837**	**170,347**
NCR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CAR	53,483	45,778	7,705	57,235	49,932	7,303	57,574	49,056	8,518	57,078	49,386	7,692	58,041	50,365	7,676
Abra	18,758	18,328	430	18,430	17,970	460	18,894	18,479	415	19,108	18,751	357	20,197	19,837	360
Apayao	2,025	1,904	121	2,083	1,983	100	2,409	2,294	115	2,385	2,339	46	2,574	2,541	33
Benguet	8,674	8,615	59	8,844	8,804	40	7,460	7,420	40	6,885	6,856	29	6,548	6,510	38
Ifugao	11,948	6,260	5,688	10,918	6,355	4,563	10,936	6,371	4,565	10,847	6,405	4,442	10,849	6,267	4,582
Kalinga	2,573	1,498	1,075	7,814	6,411	1,403	8,777	6,187	2,590	8,785	6,767	2,018	8,690	6,817	1,873
Mountain Province	9,505	9,173	332	9,146	8,409	737	9,098	8,305	793	9,068	8,268	800	9,183	8,393	790
ILOCOS REGION	317,073	313,269	3,804	291,442	287,559	3,883	286,449	282,977	3,472	292,545	289,327	3,218	291,347	287,964	3,383
Ilocos Norte	68,364	66,674	1,690	66,910	65,890	1,020	66,600	65,850	750	71,016	70,520	496	70,466	69,825	641
Ilocos Sur	56,931	55,875	1,056	54,999	53,508	1,491	54,455	53,115	1,340	54,821	53,443	1,378	55,507	54,060	1,447
La Union	33,065	33,000	65	30,838	30,800	38	30,971	30,939	32	32,220	32,200	20	32,094	32,079	15
Pangasinan	158,713	157,720	993	138,695	137,361	1,334	134,423	133,073	1,350	134,488	133,164	1,324	133,280	132,000	1,280
CAGAYAN VALLEY	197,541	180,111	17,430	191,660	166,343	25,317	182,196	155,731	26,465	177,152	150,207	26,945	180,865	154,846	26,019
Batanes	..	..	..	..	..	..	..	..	..	..	..	..	5,860	4,745	1,115
Cagayan	40,619	34,160	6,459	36,872	28,742	8,130	33,426	25,335	8,091	31,400	23,171	8,229	29,342	22,789	6,553
Isabela	118,052	112,092	5,960	116,309	104,346	11,963	111,874	98,851	13,023	109,912	96,014	13,898	109,514	96,040	13,474
Nueva Vizcaya	22,452	17,930	4,522	22,829	18,156	4,673	22,060	17,327	4,733	21,862	17,742	4,120	22,173	17,952	4,221
Quirino	16,418	15,929	489	15,650	15,099	551	14,836	14,218	618	13,978	13,280	698	13,976	13,320	656
CENTRAL LUZON	173,144	153,260	19,884	171,313	151,571	19,742	171,821	152,336	19,485	175,870	155,858	20,012	179,655	159,666	19,989
Aurora	7,468	7,370	98	7,420	7,336	84	7,205	7,068	137	7,353	7,194	159	7,703	7,571	132
Bataan	10,911	9,198	1,713	13,575	11,923	1,652	15,876	14,267	1,609	18,705	17,178	1,527	19,906	18,458	1,448
Bulacan	6,197	6,106	91	15,937	14,292	1,645	15,357	13,330	2,027	15,829	13,344	2,485	16,255	13,586	2,669
Nueva Ecija	32,895	23,640	9,255	32,048	23,980	8,068	32,160	24,370	7,790	31,935	24,350	7,585	31,464	24,084	7,380
Pampanga	7,364	6,752	612	6,839	6,208	631	6,589	5,931	658	6,622	5,937	685	6,653	5,943	710
Tarlac	70,776	65,928	4,848	62,572	58,192	4,380	62,060	58,086	3,974	63,331	58,770	4,561	66,028	61,366	4,662
Zambales	37,533	34,266	3,267	32,922	29,640	3,282	32,574	29,284	3,290	32,095	29,085	3,010	31,646	28,658	2,988
CALABARZON	255,253	249,864	5,389	250,927	243,438	7,489	251,744	244,416	7,328	253,376	245,993	7,383	259,110	251,251	7,859
Batangas	130,325	128,750	1,575	127,384	125,798	1,586	127,414	125,812	1,602	127,765	126,290	1,475	131,122	129,502	1,620
Cavite	29,276	28,230	1,046	26,494	25,294	1,200	25,912	24,544	1,368	26,021	24,584	1,437	26,130	24,624	1,506
Laguna	36,836	36,580	256	39,850	37,530	2,320	39,874	37,601	2,273	40,316	38,032	2,284	40,885	38,525	2,360
Quezon	54,600	54,000	600	52,747	52,100	647	53,550	52,900	650	53,706	53,000	706	54,673	53,800	873
Rizal	4,216	2,304	1,912	4,452	2,716	1,736	4,994	3,559	1,435	5,568	4,087	1,481	6,300	4,800	1,500
MIMAROPA	87,144	77,273	9,871	90,267	78,762	11,505	91,265	79,779	11,486	92,819	80,592	12,227	93,307	81,903	11,404
Marinduque	2,946	2,102	844	2,638	2,110	528	2,378	2,131	247	2,525	2,289	236	2,930	2,685	245
Occidental Mindoro	16,294	12,978	3,316	16,745	12,674	4,071	17,784	13,482	4,302	18,241	13,252	4,989	17,797	13,158	4,639
Oriental Mindoro	30,221	28,416	1,805	30,165	28,516	1,649	30,087	28,412	1,675	30,371	28,652	1,719	31,253	29,496	1,757
Palawan	17,353	16,482	871	22,038	19,780	2,258	22,348	20,186	2,162	22,816	20,743	2,073	22,779	20,749	2,030
Romblon	20,330	17,295	3,035	18,681	15,682	2,999	18,668	15,568	3,100	18,866	15,656	3,210	18,548	15,815	2,733
BICOL REGION	68,759	42,110	26,649	73,779	42,285	31,494	81,233	48,900	32,333	91,254	58,509	32,745	96,300	63,203	33,097
Albay	3,416	3,227	189	3,251	2,964	287	3,612	3,272	340	4,201	3,872	329	4,939	4,549	390
Camarines Norte	5,999	5,829	170	5,801	5,720	81	5,726	5,650	76	5,745	5,683	62	6,050	5,990	60
Camarines Sur	10,068	9,358	710	12,275	11,557	718	16,280	15,500	780	21,192	20,436	756	22,133	21,391	742
Catanduanes	3,645	3,465	180	2,981	2,819	162	1,375	1,273	102	1,386	1,298	88	1,362	1,292	70
Masbate	31,474	6,501	24,973	37,270	7,495	29,775	40,030	9,523	30,507	42,932	11,952	30,980	45,021	13,716	31,305
Sorsogon	14,157	13,730	427	12,201	11,730	471	14,210	13,682	528	15,798	15,268	530	16,795	16,265	530
WESTERN VISAYAS	225,383	221,318	4,065	243,334	239,730	3,604	253,458	249,672	3,786	254,573	250,759	3,814	254,131	250,154	3,977
Aklan	32,283	32,208	75	28,793	28,724	69	28,288	28,127	161	27,980	27,773	207	28,061	27,877	184
Antique	39,970	38,197	1,773	48,677	47,012	1,665	56,487	54,613	1,874	58,384	56,558	1,826	57,831	56,119	1,712
Capiz	21,735	21,561	174	21,846	21,740	106	23,851	23,754	97	24,472	24,375	97	24,727	24,634	93
Guimaras	16,570	16,360	210	15,890	15,692	198	15,307	15,168	139	15,905	15,748	157	17,009	16,869	140
Iloilo	80,550	79,761	789	79,449	78,793	656	79,992	79,395	597	78,196	77,593	603	76,365	75,790	575
Negros Occidental	34,275	33,231	1,044	48,679	47,769	910	49,533	48,615	918	49,636	48,712	924	50,138	48,865	1,273
CENTRAL VISAYAS	275,207	273,439	1,768	273,311	270,470	2,841	273,562	270,175	3,387	272,307	269,034	3,273	274,280	271,244	3,036
Bohol	70,896	70,225	671	72,785	71,714	1,071	73,214	71,924	1,290	73,846	72,657	1,189	75,693	74,527	1,166
Cebu	117,220	116,870	350	112,826	112,116	710	113,736	112,980	756	113,013	112,264	749	113,106	112,525	581
Negros Oriental	65,546	64,799	747	66,687	65,627	1,060	66,601	65,260	1,341	65,512	64,177	1,335	66,007	64,718	1,289
Siquijor	21,545	21,545	..	21,013	21,013	..	20,011	20,011	..	19,936	19,936	..	19,474	19,474	..
EASTERN VISAYAS	15,349	11,302	4,047	14,671	12,249	2,422	20,843	17,929	2,914	22,600	18,991	3,609	22,225	18,538	3,687
Biliran	1,020	1,020	..	1,310	1,271	39	1,590	1,554	36	1,689	1,650	39	1,541	1,501	40
Eastern Samar	4,501	4,471	30	3,970	3,950	20	2,920	2,900	20	2,672	2,652	20	2,119	2,105	14
Leyte	5,179	1,209	3,970	3,439	1,340	2,099	9,284	6,715	2,569	10,902	7,607	3,295	10,817	7,564	3,253
Northern Samar	1,918	1,918	..	2,573	2,573	..	2,966	2,926	40	3,196	3,148	48	3,413	3,270	143
Samar	637	590	47	805	753	52	804	752	52	787	740	47	753	702	51
Southern Leyte	2,094	2,094	..	2,574	2,362	212	3,279	3,082	197	3,354	3,194	160	3,582	3,396	186
ZAMBOANGA PENINSULA	155,994	155,633	361	140,079	139,393	686	129,675	128,853	822	119,785	118,995	790	117,938	117,138	800
Zamboanga del Norte	67,391	67,255	136	57,389	57,308	81	53,060	52,884	176	50,143	50,017	126	51,829	51,724	105
Zamboanga del Sur	50,897	50,855	42	50,150	49,830	320	45,324	45,130	194	39,195	38,930	265	35,562	35,283	279
Zamboanga Sibugay	27,615	27,615	..	22,105	22,105	..	20,615	20,615	..	19,790	19,790	..	19,750	19,750	..
Zamboanga City	10,091	9,908	183	10,435	10,150	285	10,676	10,224	452	10,657	10,258	399	10,797	10,381	416
NORTHERN MINDANAO	281,442	252,360	29,082	278,426	252,650	25,776	272,711	249,745	22,966	271,700	248,152	23,548	269,687	247,985	21,702
Bukidnon	98,500	73,000	25,500	97,891	76,066	21,825	97,400	77,900	19,500	96,450	76,850	19,600	94,750	76,500	18,250
Camiguin	7,350	7,350	..	6,965	6,965	..	7,030	7,030	..	6,770	6,770	..	6,883	6,855	28
Lanao del Norte	36,680	34,980	1,700	38,187	36,360	1,827	40,240	38,700	1,540	43,378	41,200	2,178	44,567	43,150	1,417
Misamis Occidental	52,500	52,500	..	49,200	49,200	..	44,290	44,290	..	42,832	42,832	..	40,630	40,630	..
Misamis Oriental	86,412	84,530	1,882	86,183	84,059	2,124	83,751	81,825	1,926	82,270	80,500	1,770	82,857	80,850	2,007
DAVAO REGION	140,144	134,601	5,543	138,175	132,858	5,317	136,540	131,558	4,982	134,455	129,646	4,809	135,654	131,553	4,101
Davao del Norte	10,886	9,785	1,101	11,819	10,680	1,139	14,336	13,130	1,206	14,402	13,400	1,002	14,097	13,340	757
Davao del Sur	53,440	52,249	1,191	53,345	52,298	1,047	50,303	49,343	960	49,234	48,074	1,160	51,262	50,071	1,191
Davao City	44,336	42,971	1,365	41,316	39,947	1,369	39,053	38,104	949	37,580	36,483	1,097	35,872	35,245	627
Davao Oriental	25,016	23,160	1,856	24,875	23,151	1,724	25,745	23,920	1,825	25,979	24,672	1,307	26,884	25,631	1,253
Davao de Oro (Compostela Valley)	6,466	6,436	30	6,820	6,782	38	7,103	7,061	42	7,260	7,017	243	7,539	7,266	273
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	203,105	172,832	30,273	195,727	170,664	25,063	192,356	171,085	21,271	192,808	170,449	22,359	194,345	172,742	21,603
Cotabato (North Cotabato)	62,910	61,863	1,047	65,931	64,547	1,384	69,546	68,309	1,237	71,235	69,991	1,244	72,746	71,559	1,187
Sarangani	11,370	9,480	1,890	11,565	9,190	2,375	11,120	8,850	2,270	11,092	8,900	2,192	10,690	9,100	1,590
South Cotabato	85,625	60,661	24,964	78,307	57,947	20,360	75,206	57,796	17,410	74,614	55,946	18,668	74,931	56,283	18,648
Sultan Kudarat	43,200	40,828	2,372	39,924	38,980	944	36,484	36,130	354	35,867	35,612	255	35,978	35,800	178
CARAGA	18,097	17,421	676	18,828	18,020	808	19,034	18,319	715	20,312	19,609	703	20,159	19,543	616
Agusan del Norte	8,026	7,686	340	8,644	8,180	464	8,426	8,020	406	9,283	8,882	401	9,080	8,734	346
Agusan del Sur	5,217	4,950	267	4,934	4,620	314	4,959	4,685	274	5,294	5,025	269	5,359	5,100	259
Surigao del Norte	2,328	2,328	..	2,316	2,300	16	2,369	2,354	15	2,465	2,450	15	2,471	2,460	11
Surigao del Sur	2,279	2,210	69	2,682	2,668	14	3,030	3,010	20	3,018	3,000	18	2,994	2,994	..
Dinagat Islands	247	247	..	252	252	..	250	250	..	252	252	..	255	255	..
ARMM	103,761	102,725	1,036	89,233	88,051	1,182	72,696	71,124	1,572	69,274	67,854	1,420	65,140	63,742	1,398
Basilan	14,949	14,806	143	14,174	14,084	90	14,567	14,520	47	15,706	15,660	46	17,054	17,011	43
Lanao del Sur	40,982	40,089	893	28,078	26,986	1,092	19,914	19,214	700	18,525	18,000	525	15,694	15,200	494
Maguindanao	34,963	34,963	..	29,116	29,116	..	20,115	20,013	102	15,776	15,632	144	10,985	10,862	123
Sulu	10,542	10,542	..	15,682	15,682	..	15,400	15,400	..	16,373	16,373	..	18,400	18,400	..
Tawi-tawi	2,325	2,325	..	2,183	2,183	..	2,700	1,977	723	2,894	2,189	705	3,007	2,269	738

.. Data not available

[1]Inventory as of 01 January

Source: Philippine Statistics Authority

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(continued)*

2010 to 2019

(In heads)

2015			2016			2017			2018			2019		
Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
2,534,243	**2,367,997**	**166,246**	**2,553,747**	**2,390,658**	**163,089**	**2,547,614**	**2,389,191**	**158,423**	**2,553,937**	**2,403,220**	**150,717**	**2,535,414**	**2,385,335**	**150,079**
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
59,856	52,157	7,699	60,364	53,150	7,214	59,213	51,717	7,496	57,796	50,135	7,661	55,528	48,196	7,332
20,911	20,574	337	21,631	21,300	331	20,954	20,715	239	19,870	19,758	112	18,232	18,072	160
2,922	2,884	38	2,974	2,928	46	3,014	2,936	78	3,043	2,993	50	3,050	3,001	49
6,370	6,340	30	6,238	6,213	25	5,994	5,976	18	5,797	5,797	..	6,244	6,244	..
11,822	6,850	4,972	11,670	6,900	4,770	11,248	6,558	4,690	10,843	6,247	4,596	9,798	5,778	4,020
9,022	7,251	1,771	9,747	8,040	1,707	10,236	8,170	2,066	10,576	8,270	2,306	10,860	8,371	2,489
8,809	8,258	551	8,104	7,769	335	7,767	7,362	405	7,667	7,070	597	7,344	6,730	614
297,743	294,704	3,039	301,578	299,058	2,520	300,323	297,832	2,491	299,111	296,488	2,623	302,494	300,377	2,117
71,598	70,928	670	72,526	72,110	416	71,272	70,873	399	70,150	69,617	533	71,410	70,877	533
56,223	55,043	1,180	57,161	56,020	1,141	56,867	55,726	1,141	56,429	55,316	1,113	55,952	55,002	950
32,684	32,663	21	35,597	35,580	17	37,052	37,031	21	36,772	36,740	32	36,986	36,933	53
137,238	136,070	1,168	136,294	135,348	946	135,132	134,202	930	135,760	134,815	945	138,146	137,565	581
182,125	155,929	26,196	184,173	157,019	27,154	181,628	153,900	27,728	182,865	153,751	29,114	186,511	155,431	31,080
6,342	5,042	1,300	6,766	5,269	1,497	7,029	5,470	1,559	7,276	5,678	1,598	7,478	5,892	1,586
28,630	22,850	5,780	28,112	22,288	5,824	26,907	21,156	5,751	25,211	19,802	5,409	24,741	19,317	5,424
111,806	98,013	13,793	115,093	100,691	14,402	115,736	100,657	15,079	119,239	102,669	16,570	123,699	105,076	18,623
21,797	16,999	4,798	21,016	16,120	4,896	19,634	14,836	4,798	19,035	14,277	4,758	18,805	14,093	4,712
13,550	13,025	525	13,186	12,651	535	12,322	11,781	541	12,104	11,325	779	11,788	11,053	735
186,441	166,233	20,208	192,997	172,909	20,088	198,760	179,812	18,948	206,781	189,862	16,919	203,535	186,918	16,617
9,213	9,099	114	12,477	12,400	77	14,467	14,431	36	16,631	16,597	34	16,412	16,373	39
20,924	19,466	1,458	21,059	19,644	1,415	21,540	20,122	1,418	21,940	21,071	869	22,505	21,686	819
16,160	13,500	2,660	17,089	14,334	2,755	17,501	14,360	3,141	18,471	14,891	3,580	19,105	15,503	3,602
31,837	24,297	7,540	30,666	23,212	7,454	29,882	23,010	6,872	32,099	26,185	5,914	29,558	24,123	5,435
6,683	5,875	808	6,803	6,005	798	5,299	5,045	254	4,299	4,199	100	4,384	4,290	94
70,515	65,771	4,744	73,772	69,057	4,715	75,993	71,391	4,602	77,940	73,804	4,136	76,048	71,854	4,194
31,109	28,225	2,884	31,131	28,257	2,874	34,078	31,453	2,625	35,401	33,115	2,286	35,523	33,089	2,434
264,175	254,901	9,274	267,663	258,653	9,010	271,948	262,822	9,126	271,288	262,064	9,224	269,677	260,514	9,163
133,150	130,150	3,000	135,538	132,288	3,250	136,768	133,484	3,284	133,467	130,113	3,354	130,133	126,868	3,265
26,050	24,550	1,500	25,910	24,560	1,350	25,544	24,462	1,082	25,355	24,379	976	25,377	24,396	981
41,559	39,296	2,263	41,928	40,105	1,823	41,679	40,100	1,579	41,560	40,072	1,488	41,372	40,050	1,322
56,161	55,198	963	55,737	54,980	757	58,022	56,641	1,381	60,456	58,800	1,656	61,735	59,900	1,835
7,255	5,707	1,548	8,550	6,720	1,830	9,935	8,135	1,800	10,450	8,700	1,750	11,060	9,300	1,760
92,690	82,152	10,538	93,687	83,256	10,431	93,169	83,100	10,069	90,195	80,628	9,567	77,151	67,642	9,509
3,273	3,066	207	4,060	3,850	210	4,402	4,251	151	4,906	4,676	230	2,765	2,687	78
17,033	12,741	4,292	18,274	13,970	4,304	18,441	14,155	4,286	18,462	14,582	3,880	14,964	11,055	3,909
30,915	29,178	1,737	28,953	27,288	1,665	27,534	25,915	1,619	25,985	24,435	1,550	23,045	21,644	1,401
23,188	21,206	1,982	24,266	22,330	1,936	24,715	22,550	2,165	23,470	20,470	3,000	19,925	16,452	3,473
18,281	15,961	2,320	18,134	15,818	2,316	18,077	16,229	1,848	17,372	16,465	907	16,452	15,804	648
102,659	70,188	32,471	108,043	74,854	33,189	111,792	77,560	34,232	112,950	79,155	33,795	114,996	79,199	35,797
5,916	5,515	401	6,792	6,339	453	7,320	6,830	490	7,652	7,117	535	8,180	7,600	580
6,175	6,111	64	6,270	6,200	70	6,372	6,298	74	6,618	6,543	75	6,611	6,535	76
25,385	24,891	494	25,387	24,986	401	25,787	25,343	444	25,666	25,230	436	25,325	24,888	437
1,401	1,320	81	1,541	1,470	71	1,685	1,592	93	1,731	1,649	82	1,807	1,716	91
48,032	17,049	30,983	51,650	19,932	31,718	54,741	22,080	32,661	55,376	23,284	32,092	57,500	23,450	34,050
15,750	15,302	448	16,403	15,927	476	15,887	15,417	470	15,907	15,332	575	15,573	15,010	563
250,603	246,418	4,185	249,446	245,160	4,286	247,817	244,173	3,644	244,683	242,030	2,653	243,979	241,215	2,764
26,808	26,635	173	25,121	24,948	173	24,409	24,178	231	22,547	22,436	111	21,567	21,450	117
58,648	56,744	1,904	59,090	57,114	1,976	58,865	57,515	1,350	58,436	57,761	675	57,972	57,200	772
24,544	24,470	74	23,776	23,700	76	23,414	23,350	64	22,766	22,700	66	23,082	23,000	82
17,499	17,347	152	18,095	17,942	153	16,388	16,228	160	15,426	15,254	172	14,645	14,454	191
73,615	73,070	545	74,058	73,527	531	75,370	74,895	475	75,456	75,175	281	75,394	75,157	237
49,489	48,152	1,337	49,306	47,929	1,377	49,371	48,007	1,364	50,052	48,704	1,348	51,319	49,954	1,365
273,132	270,125	3,007	274,265	271,276	2,989	275,012	271,954	3,058	275,617	272,646	2,971	281,343	278,778	2,565
74,249	73,138	1,111	73,476	72,349	1,127	74,236	72,923	1,313	75,825	74,519	1,306	77,626	76,665	961
113,360	112,648	712	114,108	113,353	755	116,019	115,310	709	116,398	115,783	615	119,408	118,770	638
66,369	65,185	1,184	67,087	65,980	1,107	65,103	64,067	1,036	63,467	62,417	1,050	64,205	63,239	966
19,154	19,154	..	19,594	19,594	..	19,654	19,654	..	19,927	19,927	..	20,104	20,104	..
20,765	18,144	2,621	21,565	19,077	2,488	22,027	19,606	2,421	21,812	19,312	2,500	21,045	18,700	2,345
1,547	1,508	39	1,632	1,590	42	1,740	1,695	45	1,863	1,820	43	1,977	1,912	65
1,769	1,746	23	1,687	1,659	28	1,698	1,698	..	1,718	1,718	..	1,782	1,782	..
9,617	7,394	2,223	10,096	8,100	1,996	10,150	8,140	2,010	9,760	7,630	2,130	9,067	7,057	2,010
3,509	3,359	150	3,470	3,282	188	3,515	3,291	224	3,451	3,252	199	3,187	3,086	101
767	709	58	1,117	1,072	45	1,290	1,264	26	1,429	1,400	29	1,375	1,336	39
3,556	3,428	128	3,563	3,374	189	3,634	3,518	116	3,591	3,492	99	3,657	3,527	130
115,601	114,860	741	113,068	112,123	945	112,816	111,963	853	113,244	112,715	529	110,584	110,119	465
52,851	52,747	104	54,340	54,245	95	54,005	53,904	101	54,122	54,021	101	53,595	53,487	108
32,088	31,891	197	27,866	27,571	295	26,790	26,537	253	27,354	27,095	259	26,713	26,479	234
19,679	19,679	..	19,657	19,657	..	19,806	19,806	..	19,000	19,000	..	17,434	17,434	..
10,983	10,543	440	11,205	10,650	555	12,215	11,716	499	12,768	12,599	169	12,842	12,719	123
267,646	248,554	19,092	259,759	243,430	16,329	240,859	226,796	14,063	244,908	231,638	13,270	227,746	214,405	13,341
94,950	78,500	16,450	88,394	74,547	13,847	80,600	69,100	11,500	82,951	71,651	11,300	83,018	71,250	11,768
7,340	7,298	42	6,944	6,872	72	6,467	6,372	95	6,591	6,510	81	6,048	5,972	76
45,990	45,220	770	45,691	44,896	795	45,654	44,844	810	45,486	45,190	296	44,436	44,130	306
37,841	37,841	..	36,994	36,994	..	35,990	35,990	..	36,154	36,154	..	32,558	32,558	..
81,525	79,695	1,830	81,736	80,121	1,615	72,148	70,490	1,658	73,726	72,133	1,593	61,686	60,495	1,191
136,701	132,496	4,205	139,078	134,640	4,438	139,802	134,593	5,209	139,665	134,269	5,396	138,851	133,880	4,971
14,012	13,300	712	13,898	13,324	574	14,144	13,504	640	14,543	14,011	532	14,879	14,379	500
52,417	51,100	1,317	53,987	52,570	1,417	54,297	52,250	2,047	53,050	51,664	1,386	52,026	50,750	1,276
35,417	34,734	683	35,875	35,094	781	36,318	35,374	944	37,197	34,935	2,262	36,942	34,947	1,995
26,974	25,820	1,154	27,682	26,104	1,578	27,575	26,090	1,485	26,861	25,749	1,112	27,018	25,908	1,110
7,881	7,542	339	7,636	7,548	88	7,468	7,375	93	8,014	7,910	104	7,986	7,896	90
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
196,413	175,412	21,001	197,995	178,211	19,784	203,687	185,708	17,979	201,674	187,611	14,063	197,911	186,287	11,624
75,957	74,811	1,146	78,071	76,835	1,236	81,365	80,114	1,251	86,386	85,422	964	84,023	83,430	593
10,529	9,000	1,529	10,581	9,100	1,481	10,594	9,360	1,234	10,282	9,200	1,082	10,390	9,150	1,240
73,285	55,129	18,156	71,201	54,320	16,881	70,712	55,547	15,165	65,748	54,139	11,609	63,869	54,447	9,422
36,642	36,472	170	38,142	37,956	186	41,016	40,687	329	39,258	38,850	408	39,629	39,260	369
19,621	19,071	550	19,337	18,841	496	18,818	18,334	484	18,941	18,509	432	19,018	18,629	389
8,756	8,430	326	8,723	8,410	313	8,410	8,160	250	8,707	8,450	257	8,789	8,550	239
5,297	5,099	198	5,032	4,875	157	5,109	4,905	204	4,875	4,720	155	4,826	4,694	132
2,384	2,369	15	2,395	2,380	15	2,377	2,360	17	2,411	2,400	11	2,351	2,342	9
2,938	2,927	11	2,939	2,928	11	2,672	2,659	13	2,681	2,672	9	2,784	2,775	9
246	246	..	248	248	..	250	250	..	267	267	..	268	268	..
68,072	66,653	1,419	70,729	69,001	1,728	69,943	69,321	622	72,407	72,407	..	85,045	85,045	..
19,552	19,552	..	19,606	19,606	..	18,286	18,286	..	19,266	19,266	..	21,619	21,619	..
16,397	15,932	465	18,032	17,470	562	19,398	18,895	503	20,463	20,463	..	25,480	25,480	..
8,936	8,804	132	7,971	7,350	621	6,358	6,358	..	5,450	5,450	..	7,819	7,819	..
20,000	20,000	..	21,990	21,990	..	23,000	23,000	..	24,355	24,355	..	27,000	27,000	..
3,187	2,365	822	3,130	2,585	545	2,901	2,782	119	2,873	2,873	..	3,127	3,127	..

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(continued)*

2010 to 2019

(In heads)

	2010			2011			2012			2013			2014		
	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
Goat															
PHILIPPINES	**4,177,721**	**4,131,415**	**46,306**	**3,881,503**	**3,817,848**	**63,655**	**3,715,228**	**3,645,909**	**69,319**	**3,694,025**	**3,629,408**	**64,617**	**3,695,627**	**3,635,033**	**60,594**
NCR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CAR	64,659	64,584	75	67,008	66,946	62	72,696	72,595	101	73,546	73,406	140	71,852	71,715	137
Abra	45,117	45,117	..	45,506	45,506	..	47,673	47,673	..	45,512	45,512	..	42,456	42,456	..
Apayao	2,785	2,785	..	3,305	3,305	..	3,976	3,976	..	4,054	4,054	..	4,129	4,129	..
Benguet	4,034	4,034	..	4,840	4,840	..	7,855	7,855	..	9,141	9,141	..	10,472	10,472	..
Ifugao	6,903	6,828	75	7,305	7,243	62	7,074	7,006	68	7,586	7,473	113	6,996	6,893	103
Kalinga	5,129	5,129	..	5,199	5,199	..	5,137	5,104	33	6,137	6,110	27	6,898	6,864	34
Mountain Province	691	691	..	853	853	..	981	981	..	1,116	1,116	..	901	901	..
ILOCOS REGION	494,057	489,318	4,739	420,639	414,119	6,520	420,445	413,961	6,484	421,321	415,326	5,995	425,476	419,410	6,066
Ilocos Norte	65,353	64,514	839	65,757	64,637	1,120	67,544	66,576	968	66,913	66,200	713	69,015	67,861	1,154
Ilocos Sur	100,623	99,360	1,263	75,876	73,469	2,407	74,468	72,032	2,436	75,745	73,341	2,404	80,921	78,859	2,062
La Union	60,504	60,254	250	60,489	60,330	159	59,489	59,310	179	61,106	61,049	57	60,740	60,690	50
Pangasinan	267,577	265,190	2,387	218,517	215,683	2,834	218,944	216,043	2,901	217,557	214,736	2,821	214,800	212,000	2,800
CAGAYAN VALLEY	130,485	127,731	2,754	115,290	110,700	4,590	111,467	106,309	5,158	112,506	107,907	4,599	114,564	110,029	4,535
Batanes	..	..	..	..	..	..	..	..	..	..	..	..	3,760	2,693	1,067
Cagayan	47,389	46,341	1,048	42,602	40,404	2,198	41,853	39,253	2,600	42,610	40,240	2,370	41,092	39,258	1,834
Isabela	44,697	43,350	1,347	40,742	39,116	1,626	41,073	39,241	1,832	40,511	38,945	1,566	40,164	39,034	1,130
Nueva Vizcaya	20,732	20,560	172	17,586	17,000	586	16,999	16,449	550	17,096	16,579	517	16,495	16,094	401
Quirino	17,667	17,480	187	14,360	14,180	180	11,542	11,366	176	12,289	12,143	146	13,053	12,950	103
CENTRAL LUZON	349,823	345,458	4,365	322,942	311,348	11,594	281,623	268,541	13,082	297,828	284,285	13,543	334,464	321,437	13,027
Aurora	17,389	17,383	6	13,140	13,140	..	9,753	9,607	146	9,462	9,347	115	10,244	10,104	140
Bataan	17,277	17,277	..	21,265	20,480	785	22,840	22,029	811	25,395	24,530	865	25,636	24,694	942
Bulacan	22,587	21,027	1,560	29,114	27,325	1,789	30,891	28,333	2,558	32,013	28,963	3,050	32,615	29,024	3,591
Nueva Ecija	79,780	77,770	2,010	76,488	71,088	5,400	70,063	65,968	4,095	71,671	67,890	3,781	72,550	68,810	3,740
Pampanga	8,613	8,471	142	15,091	14,898	193	20,813	20,575	238	27,546	27,291	255	36,712	36,452	260
Tarlac	143,530	143,144	386	135,861	132,854	3,007	105,205	100,455	4,750	110,923	105,950	4,973	129,638	125,680	3,958
Zambales	60,647	60,386	261	31,983	31,563	420	22,058	21,574	484	20,818	20,314	504	27,069	26,673	396
CALABARZON	231,167	226,836	4,331	221,326	216,953	4,373	227,826	224,092	3,734	230,662	227,210	3,452	238,021	234,899	3,122
Batangas	120,836	120,836	..	118,353	117,526	827	118,746	118,501	245	119,216	118,969	247	120,820	120,550	270
Cavite	16,483	15,136	1,347	15,987	15,121	866	15,632	15,106	526	16,041	15,499	542	16,600	15,893	707
Laguna	18,872	17,320	1,552	16,963	15,350	1,613	20,708	18,842	1,866	21,905	20,281	1,624	23,969	22,852	1,117
Quezon	72,330	71,200	1,130	66,568	65,800	768	67,710	66,900	810	67,600	66,800	800	69,097	68,300	797
Rizal	2,646	2,344	302	3,455	3,156	299	5,030	4,743	287	5,900	5,661	239	7,535	7,304	231
MIMAROPA	173,682	173,132	550	169,119	168,617	502	173,231	169,623	3,608	174,612	172,236	2,376	173,675	171,530	2,145
Marinduque	5,308	5,308	..	5,361	5,361	..	5,160	5,160	..	5,242	5,242	..	5,558	5,558	..
Occidental Mindoro	54,154	53,856	298	50,392	50,147	245	49,523	48,856	667	46,892	46,037	855	43,290	42,443	847
Oriental Mindoro	37,535	37,283	252	35,565	35,308	257	33,995	33,740	255	33,032	32,765	267	31,501	31,241	260
Palawan	52,935	52,935	..	57,644	57,644	..	65,295	62,795	2,500	68,657	67,574	1,083	72,615	71,823	792
Romblon	23,750	23,750	..	20,157	20,157	..	19,258	19,072	186	20,789	20,618	171	20,711	20,465	246
BICOL REGION	129,797	129,040	757	113,953	113,084	869	116,905	115,556	1,349	118,723	117,272	1,451	127,710	126,083	1,627
Albay	23,887	23,887	..	15,692	15,692	..	16,145	15,938	207	20,778	20,603	175	25,312	25,163	149
Camarines Norte	7,347	7,347	..	7,450	7,450	..	6,648	6,600	48	6,619	6,575	44	6,970	6,930	40
Camarines Sur	39,713	39,247	466	38,000	37,513	487	40,714	40,216	498	37,967	37,571	396	39,895	39,480	415
Catanduanes	1,972	1,972	..	1,063	1,063	..	1,500	1,500	..	1,651	1,651	..	1,790	1,790	..
Masbate	51,634	51,404	230	47,114	46,776	338	46,648	46,157	491	45,755	45,051	704	47,496	46,582	914
Sorsogon	5,244	5,183	61	4,634	4,590	44	5,250	5,145	105	5,953	5,821	132	6,247	6,138	109
WESTERN VISAYAS	604,618	599,933	4,685	575,299	571,126	4,173	552,358	548,385	3,973	545,983	542,177	3,806	542,678	539,069	3,609
Aklan	16,818	16,765	53	15,214	15,160	54	14,647	14,597	50	11,006	10,951	55	10,688	10,655	33
Antique	33,497	33,477	20	27,416	27,310	106	25,108	24,990	118	25,774	25,634	140	26,464	26,275	189
Capiz	48,145	48,104	41	45,525	45,473	52	47,865	47,768	97	45,178	45,071	107	43,637	43,527	110
Guimaras	48,999	48,893	106	44,398	44,266	132	45,101	44,982	119	43,535	43,401	134	43,289	43,167	122
Iloilo	250,182	249,192	990	230,581	229,640	941	207,811	206,459	1,352	208,572	207,335	1,237	207,515	206,345	1,170
Negros Occidental	206,977	203,502	3,475	212,165	209,277	2,888	211,826	209,589	2,237	211,918	209,785	2,133	211,085	209,100	1,985
CENTRAL VISAYAS	550,889	548,645	2,244	537,096	530,994	6,102	504,890	497,924	6,966	497,764	490,815	6,949	495,185	489,191	5,994
Bohol	69,091	68,897	194	71,245	70,718	527	70,454	69,976	478	73,230	72,905	325	77,328	76,985	343
Cebu	238,802	237,551	1,251	232,898	229,871	3,027	231,151	227,514	3,637	223,944	220,234	3,710	224,660	220,460	4,200
Negros Oriental	220,971	220,217	754	212,929	210,484	2,445	183,139	180,376	2,763	180,631	177,725	2,906	172,957	171,506	1,451
Siquijor	22,025	21,980	45	20,024	19,921	103	20,146	20,058	88	19,959	19,951	8	20,240	20,240	..
EASTERN VISAYAS	109,784	106,678	3,106	97,946	95,168	2,778	68,012	66,712	1,300	53,632	52,966	666	41,942	41,205	737
Biliran	16,200	16,200	..	15,643	15,585	58	13,999	13,945	54	12,145	12,094	51	10,212	10,161	51
Eastern Samar	16,699	16,699	..	16,000	16,000	..	7,970	7,970	..	5,200	5,200	..	2,762	2,762	..
Leyte	45,223	44,423	800	38,398	37,817	581	28,785	28,258	527	25,003	24,500	503	19,913	19,333	580
Northern Samar	14,285	14,285	..	12,020	12,020	..	7,728	7,728	..	4,946	4,946	..	3,285	3,285	..
Samar	6,844	6,826	18	5,976	5,952	24	2,843	2,831	12	2,199	2,183	16	2,225	2,204	21
Southern Leyte	10,533	8,245	2,288	9,909	7,794	2,115	6,687	5,980	707	4,139	4,043	96	3,545	3,460	85
ZAMBOANGA PENINSULA	118,869	118,695	174	116,896	116,339	557	114,915	114,168	747	117,827	117,272	555	116,117	115,698	419
Zamboanga del Norte	33,654	33,654	..	37,905	37,905	..	42,773	42,749	24	50,195	50,170	25	51,165	51,135	30
Zamboanga del Sur	52,670	52,670	..	45,105	44,847	258	38,062	37,800	262	32,155	31,942	213	29,296	29,130	166
Zamboanga Sibugay	22,219	22,219	..	21,789	21,789	..	21,887	21,619	268	22,374	22,231	143	22,390	22,273	117
Zamboanga City	10,326	10,152	174	12,097	11,798	299	12,193	12,000	193	13,103	12,929	174	13,266	13,160	106
NORTHERN MINDANAO	241,955	231,385	10,570	234,029	224,337	9,692	241,776	231,037	10,739	242,300	231,823	10,477	234,248	225,229	9,019
Bukidnon	66,700	60,500	6,200	65,350	60,350	5,000	70,950	66,200	4,750	68,500	64,000	4,500	67,500	63,200	4,300
Camiguin	2,681	2,500	181	3,755	3,464	291	4,993	4,675	318	5,230	4,830	400	5,146	4,760	386
Lanao del Norte	46,905	45,305	1,600	46,924	45,450	1,474	48,289	46,900	1,389	50,477	48,800	1,677	51,242	50,200	1,042
Misamis Occidental	49,650	49,650	..	44,771	44,600	171	42,838	42,712	126	42,193	42,093	100	38,160	38,069	91
Misamis Oriental	76,019	73,430	2,589	73,229	70,473	2,756	74,706	70,550	4,156	75,900	72,100	3,800	72,200	69,000	3,200
DAVAO REGION	391,559	387,570	3,989	372,669	368,279	4,390	375,045	370,775	4,270	374,047	370,354	3,693	342,972	338,966	4,006
Davao del Norte	45,943	45,165	778	48,014	47,120	894	47,495	46,850	645	48,023	47,420	603	47,470	47,135	335
Davao del Sur	188,668	187,545	1,123	178,367	177,415	952	181,056	180,169	887	178,348	177,684	664	151,405	150,550	855
Davao City	53,051	52,269	782	48,763	47,983	780	47,861	46,866	995	46,920	46,450	470	46,939	46,306	633
Davao Oriental	68,784	67,708	1,076	64,254	62,924	1,330	66,614	65,160	1,454	66,700	65,244	1,456	66,514	65,108	1,406
Davao de Oro (Compostela Valley)	35,113	34,883	230	33,271	32,837	434	32,019	31,730	289	34,056	33,556	500	30,644	29,867	777
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	256,718	252,995	3,723	247,821	240,916	6,905	243,055	235,997	7,058	231,932	225,484	6,448	232,222	226,505	5,717
Cotabato (North Cotabato)	118,463	117,483	980	122,463	118,553	3,910	117,648	113,634	4,014	113,754	110,043	3,711	115,311	112,211	3,100
Sarangani	23,290	23,020	270	24,353	23,100	1,253	24,149	22,900	1,249	23,228	22,400	828	22,640	22,000	640
South Cotabato	44,023	42,709	1,314	42,607	41,115	1,492	42,920	41,425	1,495	42,170	40,541	1,629	42,461	40,784	1,677
Sultan Kudarat	70,942	69,783	1,159	58,398	58,148	250	58,338	58,038	300	52,780	52,500	280	51,810	51,510	300
CARAGA	61,143	60,899	244	56,673	56,125	548	51,179	50,626	553	53,403	53,019	384	53,888	53,590	298
Agusan del Norte	16,473	16,396	77	12,741	12,610	131	10,695	10,527	168	12,403	12,250	153	12,182	12,025	157
Agusan del Sur	27,435	27,330	105	26,200	25,862	338	23,544	23,297	247	23,968	23,796	172	24,046	23,905	141
Surigao del Norte	4,328	4,328	..	4,601	4,601	..	3,793	3,793	..	4,700	4,700	..	5,285	5,285	..
Surigao del Sur	11,057	10,995	62	11,210	11,131	79	11,160	11,022	138	10,229	10,170	59	10,174	10,174	..
Dinagat Islands	1,850	1,850	..	1,921	1,921	..	1,987	1,987	..	2,103	2,103	..	2,201	2,201	..
ARMM	268,516	268,516	..	212,797	212,797	..	159,805	159,608	197	147,939	147,856	83	150,613	150,477	136
Basilan	26,682	26,682	..	28,156	28,156	..	27,970	27,970	..	30,277	30,277	..	32,959	32,959	..
Lanao del Sur	75,204	75,204	..	61,311	61,311	..	59,879	59,879	..	58,150	58,150	..	59,500	59,500	..
Maguindanao	108,772	108,772	..	71,516	71,516	..	25,100	25,024	76	14,964	14,964	..	14,917	14,853	64
Sulu	40,662	40,662	..	33,400	33,400	..	28,390	28,390	..	25,729	25,729	..	24,280	24,280	..
Tawi-tawi	17,196	17,196	..	18,414	18,414	..	18,466	18,345	121	18,819	18,736	83	18,957	18,885	72

.. Data not available

[1]Inventory as of 01 January

Source: Philippine Statistics Authority

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(continued)*

2010 to 2019

(In heads)

2015			2016			2017			2018			2019		
Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
3,674,186	**3,613,645**	**60,541**	**3,663,060**	**3,604,111**	**58,949**	**3,710,348**	**3,659,374**	**50,974**	**3,724,808**	**3,677,267**	**47,541**	**3,755,879**	**3,709,395**	**46,484**
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
70,615	70,538	77	68,287	68,229	58	63,035	62,988	47	60,437	60,351	86	55,995	55,912	83
39,376	39,376	..	36,855	36,855	..	32,416	32,416	..	30,364	30,364	..	26,418	26,418	..
4,166	4,166	..	3,742	3,742	..	3,801	3,801	..	3,768	3,768	..	3,719	3,719	..
11,150	11,150	..	11,550	11,550	..	10,794	10,794	..	10,675	10,675	..	10,785	10,785	..
7,464	7,426	38	7,032	7,000	32	7,226	7,200	26	8,545	8,480	65	7,975	7,910	65
7,513	7,474	39	8,072	8,046	26	7,776	7,755	21	6,185	6,164	21	6,168	6,150	18
946	946	..	1,036	1,036	..	1,022	1,022	..	900	900	..	930	930	..
423,829	417,753	6,076	406,321	400,454	5,867	419,821	414,625	5,196	455,364	450,299	5,065	466,949	461,917	5,032
70,939	69,815	1,124	73,901	72,817	1,084	75,432	74,666	766	72,202	71,457	745	79,541	78,450	1,091
80,129	78,258	1,871	83,921	82,099	1,822	93,798	92,275	1,523	102,956	101,410	1,546	100,306	99,435	871
60,926	60,761	165	57,276	57,115	161	59,432	59,250	182	70,310	70,226	84	79,114	78,999	115
211,835	208,919	2,916	191,223	188,423	2,800	191,159	188,434	2,725	209,896	207,206	2,690	207,988	205,033	2,955
114,194	109,491	4,703	115,533	110,503	5,030	109,760	104,364	5,396	106,313	100,244	6,069	102,058	95,417	6,641
3,823	2,677	1,146	3,870	2,624	1,246	3,772	2,586	1,186	4,017	2,627	1,390	4,274	2,689	1,585
41,709	39,608	2,101	43,847	41,692	2,155	43,872	41,641	2,231	43,281	40,686	2,595	41,402	38,585	2,817
39,076	38,262	814	38,395	37,420	975	33,054	31,878	1,176	30,762	29,280	1,482	27,830	26,059	1,771
17,212	16,702	510	17,066	16,542	524	16,527	16,064	463	16,008	15,573	435	15,670	15,398	272
12,374	12,242	132	12,355	12,225	130	12,535	12,195	340	12,245	12,078	167	12,882	12,686	196
360,571	348,130	12,441	351,922	340,488	11,434	351,473	342,994	8,479	330,795	322,568	8,227	325,258	318,739	6,519
10,520	10,401	119	11,089	11,025	64	11,656	11,584	72	12,969	12,935	34	15,082	15,047	35
25,342	24,277	1,065	24,395	23,215	1,180	27,406	27,009	397	29,323	28,981	342	27,869	27,708	161
32,538	29,038	3,500	31,042	27,841	3,201	33,993	32,108	1,885	31,718	29,777	1,941	30,982	30,614	368
72,001	68,303	3,698	72,450	68,822	3,628	70,761	67,551	3,210	62,526	59,118	3,408	62,817	59,321	3,496
44,213	43,936	277	43,461	43,186	275	44,337	43,782	555	50,313	49,862	451	56,369	55,963	406
145,919	142,611	3,308	136,998	134,508	2,490	132,975	130,923	2,052	113,076	111,258	1,818	101,282	99,453	1,829
30,038	29,564	474	32,487	31,891	596	30,345	30,037	308	30,870	30,637	233	30,857	30,633	224
246,943	242,814	4,129	252,275	247,679	4,596	263,692	258,595	5,097	259,108	254,010	5,098	258,963	253,617	5,346
121,938	121,638	300	123,846	123,540	306	125,550	125,350	200	123,842	123,735	107	125,302	124,864	438
17,441	16,503	938	18,356	17,137	1,219	19,593	17,794	1,799	20,397	18,328	2,069	20,893	18,878	2,015
29,822	28,038	1,784	32,190	30,574	1,616	39,669	38,027	1,642	40,026	38,367	1,659	39,848	38,175	1,673
67,209	66,435	774	66,463	65,678	785	68,465	67,609	856	66,441	65,580	861	64,440	63,600	840
10,533	10,200	333	11,420	10,750	670	10,415	9,815	600	8,402	8,000	402	8,480	8,100	380
175,240	173,314	1,926	178,143	176,375	1,768	179,705	178,134	1,571	185,696	184,070	1,626	195,111	193,491	1,620
5,225	5,225	..	4,439	4,439	..	4,500	4,500	..	4,475	4,475	..	4,478	4,478	..
42,374	41,539	835	43,933	43,018	915	43,029	42,115	914	44,081	43,228	853	47,561	46,651	910
30,010	29,762	248	28,061	27,833	228	26,829	26,622	207	25,407	25,220	187	25,814	25,635	179
76,462	75,852	610	78,907	78,422	485	83,685	83,264	421	88,510	88,055	455	94,259	93,824	435
21,169	20,936	233	22,803	22,663	140	21,662	21,633	29	23,223	23,092	131	22,999	22,903	96
136,237	134,259	1,978	145,460	143,351	2,109	153,081	152,263	818	156,430	155,681	749	154,713	153,879	834
29,013	28,897	116	35,609	35,479	130	44,150	44,021	129	49,717	49,602	115	49,621	49,509	112
7,408	7,366	42	7,671	7,513	158	8,287	8,119	168	8,580	8,468	112	8,611	8,496	115
43,148	42,704	444	44,715	44,412	303	43,812	43,575	237	41,759	41,545	214	41,551	41,265	286
1,929	1,929	..	1,981	1,981	..	1,919	1,919	..	1,670	1,670	..	1,540	1,540	..
48,575	47,269	1,306	49,149	47,721	1,428	47,994	47,741	253	48,280	48,000	280	47,067	46,789	278
6,164	6,094	70	6,335	6,245	90	6,919	6,888	31	6,424	6,396	28	6,323	6,280	43
519,169	515,367	3,802	516,075	512,136	3,939	512,281	508,974	3,307	508,311	505,660	2,651	505,698	502,016	3,682
8,462	8,462	..	7,457	7,457	..	8,095	8,095	..	8,288	8,288	..	8,794	8,794	..
27,019	26,763	256	27,159	26,876	283	27,346	27,292	54	27,009	26,927	82	27,551	27,479	72
37,907	37,840	67	38,004	37,950	54	36,522	36,500	22	36,679	36,650	29	36,400	36,400	..
34,429	34,320	109	27,542	27,400	142	20,327	20,214	113	16,965	16,868	97	15,638	14,285	1,353
197,846	196,628	1,218	202,433	201,203	1,230	202,700	201,750	950	198,581	198,233	348	198,484	198,172	312
213,506	211,354	2,152	213,480	211,250	2,230	217,291	215,123	2,168	220,789	218,694	2,095	218,831	216,886	1,945
490,848	484,392	6,456	493,415	487,378	6,037	500,586	494,564	6,022	497,784	492,492	5,292	518,544	512,566	5,978
79,261	78,655	606	82,143	81,624	519	82,907	82,360	547	84,166	83,603	563	84,720	83,936	784
221,256	216,900	4,356	222,750	218,704	4,046	224,463	220,440	4,023	222,307	219,128	3,179	228,444	224,872	3,572
169,907	168,413	1,494	168,474	167,002	1,472	171,524	170,072	1,452	168,452	166,902	1,550	182,208	180,586	1,622
20,424	20,424	..	20,048	20,048	..	21,692	21,692	..	22,859	22,859	..	23,172	23,172	..
36,118	35,345	773	34,514	33,648	866	34,975	33,880	1,095	39,010	38,469	541	40,072	39,510	562
8,983	8,924	59	8,614	8,560	54	7,905	7,850	55	7,938	7,920	18	8,014	7,940	74
1,683	1,683	..	1,430	1,430	..	1,472	1,472	..	1,487	1,487	..	1,332	1,332	..
17,197	16,665	532	16,003	15,418	585	16,954	16,310	644	21,270	21,038	232	22,781	22,566	215
2,315	2,315	..	2,218	2,218	..	2,850	2,850	..	2,905	2,905	..	3,004	3,004	..
2,404	2,367	37	2,369	2,320	49	1,581	1,372	209	1,125	1,005	120	830	720	110
3,536	3,391	145	3,880	3,702	178	4,213	4,026	187	4,285	4,114	171	4,111	3,948	163
117,470	117,092	378	120,076	119,616	460	125,325	124,994	331	127,560	127,249	311	133,921	133,627	294
55,996	55,977	19	61,468	61,396	72	67,595	67,582	13	65,125	65,114	11	72,534	72,534	..
26,428	26,263	165	25,775	25,600	175	23,955	23,823	132	26,892	26,827	65	26,392	26,290	102
22,580	22,498	82	22,035	21,940	95	21,647	21,551	96	22,557	22,405	152	22,019	21,851	168
12,466	12,354	112	10,798	10,680	118	12,128	12,038	90	12,986	12,903	83	12,976	12,952	24
233,506	225,981	7,525	236,752	229,792	6,960	231,635	225,113	6,522	226,500	220,374	6,126	220,769	215,529	5,240
66,050	62,300	3,750	71,988	68,268	3,720	75,736	72,183	3,553	70,701	67,325	3,376	59,911	56,980	2,931
4,799	4,475	324	4,963	4,604	359	4,636	4,413	223	4,433	4,200	233	5,714	5,413	301
54,888	53,930	958	57,057	55,980	1,077	60,690	59,844	846	59,314	59,237	77	64,086	64,001	85
37,338	37,300	38	31,436	31,407	29	32,076	32,035	41	32,514	32,472	42	31,385	31,340	45
70,431	67,976	2,455	71,308	69,533	1,775	58,497	56,638	1,859	59,538	57,140	2,398	59,673	57,795	1,878
315,860	311,608	4,252	313,428	309,384	4,044	322,582	319,271	3,311	322,725	319,707	3,018	311,986	309,764	2,222
47,036	46,980	56	47,117	47,030	87	49,967	49,896	71	53,786	53,682	104	54,009	53,888	121
120,048	119,150	898	118,667	117,500	1,167	118,336	117,058	1,278	113,789	112,939	850	103,062	102,500	562
47,726	46,721	1,005	46,553	45,428	1,125	46,867	46,467	400	47,073	46,480	593	46,812	46,412	400
69,747	68,347	1,400	67,662	66,298	1,364	71,376	70,010	1,366	73,634	72,436	1,198	73,485	72,494	991
31,303	30,410	893	33,429	33,128	301	36,036	35,840	196	34,443	34,170	273	34,618	34,470	148
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
230,045	224,601	5,444	229,899	224,603	5,296	235,113	231,703	3,410	226,794	224,471	2,323	225,469	223,416	2,053
112,307	109,397	2,910	109,008	106,093	2,915	113,853	111,840	2,013	109,732	108,533	1,199	107,474	106,610	864
23,496	22,800	696	23,688	23,000	688	22,653	22,350	303	22,014	21,800	214	23,004	22,800	204
41,709	39,998	1,711	40,045	38,491	1,554	41,800	40,995	805	42,325	41,620	705	42,316	41,595	721
52,533	52,406	127	57,158	57,019	139	56,807	56,518	289	52,723	52,518	205	52,675	52,411	264
54,355	53,910	445	53,155	52,780	375	54,263	53,891	372	52,637	52,278	359	51,474	51,096	378
11,732	11,550	182	10,564	10,460	104	10,682	10,540	142	9,679	9,570	109	10,220	10,121	99
24,922	24,795	127	24,851	24,725	126	25,408	25,250	158	24,940	24,815	125	23,202	23,074	128
5,174	5,174	..	5,150	5,150	..	5,231	5,231	..	5,185	5,185	..	5,080	5,080	..
10,236	10,100	136	10,365	10,220	145	10,712	10,640	72	10,656	10,548	108	10,789	10,659	130
2,291	2,291	..	2,225	2,225	..	2,230	2,230	..	2,177	2,160	17	2,183	2,162	21
149,186	149,050	136	147,805	147,695	110	153,021	153,021	..	169,344	169,344	..	188,899	188,899	..
34,364	34,364	..	34,855	34,855	..	34,190	34,190	..	36,277	36,277	..	38,436	38,436	..
60,126	60,126	..	65,500	65,500	..	73,500	73,500	..	86,870	86,870	..	100,000	100,000	..
14,417	14,351	66	10,953	10,893	60	8,259	8,259	..	8,950	8,950	..	13,404	13,404	..
21,384	21,384	..	18,300	18,300	..	17,800	17,800	..	17,396	17,396	..	16,300	16,300	..
18,895	18,825	70	18,197	18,147	50	19,272	19,272	..	19,851	19,851	..	20,759	20,759	..

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(continued)*

2010 to 2019

(In heads)

	2010			2011			2012			2013			2014		
	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
Swine															
PHILIPPINES	**13,397,789**	**9,542,192**	**3,855,597**	**12,303,096**	**8,466,925**	**3,836,171**	**11,863,021**	**7,981,667**	**3,881,354**	**11,843,051**	**7,750,238**	**4,092,813**	**11,801,656**	**7,656,825**	**4,144,831**
NCR	..	..	..	4,216	..	4,216	..	..	..	..	..	..	..	..	..
Metro Manila		..	..		..	4,216		..	..		..	..		..	..
CAR	198,393	196,383	2,010	189,592	187,676	1,916	210,113	207,022	3,091	211,886	207,932	3,954	209,623	205,835	3,788
Abra	59,168	58,501	667	54,025	53,364	661	56,261	55,336	925	55,255	54,343	912	47,368	46,735	633
Apayao	24,325	24,325	..	19,374	19,374	..	23,423	23,423	..	24,326	24,326	..	24,930	24,930	..
Benguet	8,759	8,615	144	10,047	9,905	142	13,015	12,326	689	17,264	16,286	978	21,263	20,300	963
Ifugao	30,530	29,590	940	31,787	30,836	951	35,965	34,782	1,183	28,319	26,467	1,852	29,055	27,260	1,795
Kalinga	42,007	41,748	259	39,383	39,221	162	46,371	46,167	204	51,203	50,991	212	51,659	51,459	200
Mountain Province	33,604	33,604	..	34,976	34,976	..	35,078	34,988	90	35,519	35,519	..	35,348	35,151	197
ILOCOS REGION	519,598	450,489	69,109	502,916	419,775	83,141	534,535	440,353	94,182	529,317	437,680	91,637	521,370	431,912	89,458
Ilocos Norte	93,628	86,150	7,478	101,736	92,910	8,826	117,324	106,850	10,474	111,303	101,384	9,919	107,794	100,055	7,739
Ilocos Sur	92,653	85,863	6,790	77,575	64,080	13,495	74,976	61,682	13,294	76,733	63,966	12,767	74,417	63,216	11,201
La Union	69,266	59,500	9,766	72,756	60,500	12,256	78,221	57,032	21,189	78,266	58,509	19,757	75,159	54,641	20,518
Pangasinan	264,051	218,976	45,075	250,849	202,285	48,564	264,014	214,789	49,225	263,015	213,821	49,194	264,000	214,000	50,000
CAGAYAN VALLEY	479,039	446,196	32,843	416,723	381,681	35,042	381,154	342,364	38,790	378,401	339,459	38,942	391,210	356,077	35,133
Batanes	..	..	..	..	..	..	..	..	..	..	..	..	3,641	3,463	178
Cagayan	250,841	245,162	5,679	205,498	199,090	6,408	178,487	170,146	8,341	176,513	168,993	7,520	187,261	181,000	6,261
Isabela	161,935	138,536	23,399	138,484	116,267	22,217	130,427	110,280	20,147	131,423	110,424	20,999	129,473	110,462	19,011
Nueva Vizcaya	40,948	38,023	2,925	48,154	42,912	5,242	49,415	40,763	8,652	46,640	38,167	8,473	45,765	38,597	7,168
Quirino	25,315	24,475	840	24,587	23,412	1,175	22,825	21,175	1,650	23,825	21,875	1,950	25,070	22,555	2,515
CENTRAL LUZON	1,428,682	463,455	965,227	1,497,828	435,734	1,062,094	1,550,286	423,657	1,126,629	1,792,618	453,996	1,338,622	1,895,150	507,083	1,388,067
Aurora	73,648	73,493	155	71,544	71,335	209	64,340	63,662	678	61,149	60,571	578	66,259	65,730	529
Bataan	62,976	47,548	15,428	70,116	38,262	31,854	58,105	29,436	28,669	60,275	30,250	30,025	69,130	37,798	31,332
Bulacan	887,421	85,843	801,578	904,100	71,877	832,223	931,542	70,147	861,395	1,094,219	80,183	1,014,036	1,115,052	100,510	1,014,542
Nueva Ecija	114,528	71,550	42,978	127,020	66,680	60,340	120,253	57,753	62,500	121,464	56,758	64,706	123,296	56,986	66,310
Pampanga	105,613	74,618	30,995	111,539	73,462	38,077	115,338	73,506	41,832	159,790	83,682	76,108	192,008	93,286	98,722
Tarlac	89,318	23,361	65,957	132,405	42,431	89,974	193,486	70,636	122,850	224,968	81,920	143,048	259,161	99,293	159,868
Zambales	95,178	87,042	8,136	81,104	71,687	9,417	67,222	58,517	8,705	70,753	60,632	10,121	70,244	53,480	16,764
CALABARZON	1,759,631	503,705	1,255,926	1,652,613	437,623	1,214,990	1,642,311	439,880	1,202,431	1,563,745	377,666	1,186,079	1,553,879	364,988	1,188,891
Batangas	691,532	162,103	529,429	664,733	145,893	518,840	678,763	156,998	521,765	657,514	135,125	522,389	662,050	135,600	526,450
Cavite	173,673	36,666	137,007	164,994	22,256	142,738	170,679	20,584	150,095	157,419	16,571	140,848	145,875	14,464	131,411
Laguna	279,204	128,924	150,280	243,850	95,350	148,500	211,023	80,036	130,987	187,044	55,296	131,748	176,890	42,296	134,594
Quezon	238,300	165,800	72,500	222,200	149,100	73,100	224,598	151,200	73,398	223,050	149,450	73,600	226,275	152,500	73,775
Rizal	376,922	10,212	366,710	356,836	25,024	331,812	357,248	31,062	326,186	338,718	21,224	317,494	342,789	20,128	322,661
MIMAROPA	504,485	425,071	79,414	498,192	420,366	77,826	516,013	435,657	80,356	518,297	433,629	84,668	536,430	438,255	98,175
Marinduque	73,428	72,968	460	72,069	71,627	442	70,704	70,315	389	64,548	64,386	162	63,901	63,742	159
Occidental Mindoro	68,553	65,197	3,356	62,360	59,521	2,839	66,368	62,825	3,543	64,573	60,122	4,451	61,906	57,683	4,223
Oriental Mindoro	96,147	77,481	18,666	93,902	76,269	17,633	99,181	81,464	17,717	101,870	83,745	18,125	104,825	86,090	18,735
Palawan	198,458	143,335	55,123	216,903	162,166	54,737	224,469	168,205	56,264	232,346	173,614	58,732	246,602	175,217	71,385
Romblon	67,899	66,090	1,809	52,958	50,783	2,175	55,291	52,848	2,443	54,960	51,762	3,198	59,196	55,523	3,673
BICOL REGION	1,050,795	760,870	289,925	952,649	714,497	238,152	760,517	608,330	152,187	797,901	646,050	151,851	858,408	703,568	154,840
Albay	362,323	163,761	198,562	309,839	125,910	183,929	184,823	72,058	112,765	190,182	73,748	116,434	195,249	77,422	117,827
Camarines Norte	113,955	102,522	11,433	110,533	97,233	13,300	110,700	97,500	13,200	111,622	96,999	14,623	116,430	99,350	17,080
Camarines Sur	228,392	218,104	10,288	198,190	187,123	11,067	206,784	189,988	16,796	251,698	239,267	12,431	284,010	270,560	13,450
Catanduanes	108,405	108,405	..	142,345	142,011	334	82,384	82,209	175	65,975	65,904	71	72,463	72,428	35
Masbate	169,001	103,603	65,398	128,906	101,940	26,966	108,149	101,061	7,088	99,812	93,430	6,382	101,400	97,262	4,138
Sorsogon	68,719	64,475	4,244	62,836	60,280	2,556	67,677	65,514	2,163	78,612	76,702	1,910	88,856	86,546	2,310
WESTERN VISAYAS	1,548,714	1,338,725	209,989	1,313,330	1,167,686	145,644	1,306,912	1,172,310	134,602	1,320,668	1,182,760	137,908	1,304,271	1,163,970	140,301
Aklan	135,365	130,128	5,237	118,731	112,710	6,021	114,836	110,540	4,296	114,946	110,257	4,689	111,354	106,501	4,853
Antique	102,603	99,770	2,833	67,598	65,146	2,452	71,145	68,915	2,230	71,414	68,589	2,825	71,479	67,034	4,445
Capiz	164,224	160,396	3,828	132,241	129,476	2,765	130,426	129,064	1,362	138,352	136,914	1,438	136,496	135,458	1,038
Guimaras	114,883	112,283	2,600	74,172	72,332	1,840	73,845	70,659	3,186	69,001	66,367	2,634	58,432	56,544	1,888
Iloilo	523,681	395,270	128,411	444,995	364,955	80,040	440,460	367,307	73,153	442,435	367,366	75,069	437,498	363,318	74,180
Negros Occidental	507,958	440,878	67,080	475,593	423,067	52,526	476,200	425,825	50,375	484,520	433,267	51,253	489,012	435,115	53,897
CENTRAL VISAYAS	973,113	789,556	183,557	964,005	725,602	238,403	960,064	719,489	240,575	929,869	699,328	230,541	898,921	674,765	224,156
Bohol	289,424	255,181	34,243	301,016	251,600	49,416	297,718	247,845	49,873	277,651	232,545	45,106	274,543	230,015	44,528
Cebu	427,730	305,670	122,060	412,839	249,849	162,990	413,606	248,273	165,333	405,948	246,925	159,023	385,190	227,410	157,780
Negros Oriental	211,549	184,486	27,063	210,661	184,935	25,726	207,878	182,983	24,895	206,672	180,691	25,981	198,794	177,316	21,478
Siquijor	44,410	44,219	191	39,489	39,218	271	40,862	40,388	474	39,598	39,167	431	40,394	40,024	370
EASTERN VISAYAS	978,360	970,911	7,449	763,052	754,604	8,448	588,786	579,975	8,811	473,340	464,124	9,216	327,208	317,691	9,517
Biliran	25,125	25,125	..	17,122	16,950	172	11,220	11,098	122	11,603	11,485	118	11,717	11,597	120
Eastern Samar	59,376	58,800	576	51,496	51,007	489	30,900	30,100	800	25,910	25,000	910	17,722	17,258	464
Leyte	628,070	626,320	1,750	479,056	476,527	2,529	392,192	390,182	2,010	298,872	297,042	1,830	176,809	174,995	1,814
Northern Samar	107,862	104,616	3,246	104,710	101,300	3,410	68,146	64,111	4,035	63,878	59,120	4,758	53,596	48,724	4,872
Samar	64,854	64,565	289	40,819	40,610	209	42,601	42,416	185	42,786	42,512	274	40,050	39,881	169
Southern Leyte	93,073	91,485	1,588	69,849	68,210	1,639	43,727	42,068	1,659	30,291	28,965	1,326	27,314	25,236	2,078
ZAMBOANGA PENINSULA	806,553	791,566	14,987	608,217	586,188	22,029	500,064	483,988	16,076	512,501	497,905	14,596	502,461	486,580	15,881
Zamboanga del Norte	145,671	140,559	5,112	149,049	143,806	5,243	145,146	140,145	5,001	160,776	156,096	4,680	169,129	164,706	4,423
Zamboanga del Sur	375,428	370,800	4,628	265,508	254,653	10,855	158,475	154,420	4,055	160,920	156,795	4,125	143,760	138,847	4,913
Zamboanga Sibugay	165,189	164,534	655	121,387	120,854	533	119,805	119,369	436	110,001	109,647	354	114,353	114,077	276
Zamboanga City	120,265	115,673	4,592	72,273	66,875	5,398	76,638	70,054	6,584	80,804	75,367	5,437	75,219	68,950	6,269
NORTHERN MINDANAO	845,511	615,451	230,060	794,101	578,534	215,567	897,213	595,157	302,056	901,818	603,790	298,028	899,101	604,583	294,518
Bukidnon	371,250	190,000	181,250	344,600	179,500	165,100	436,080	192,500	243,580	443,500	197,000	246,500	444,600	198,750	245,850
Camiguin	33,821	33,280	541	33,647	33,230	417	34,103	33,335	768	33,756	33,240	516	32,106	31,745	361
Lanao del Norte	83,430	68,125	15,305	75,485	59,400	16,085	81,276	62,800	18,476	79,433	64,200	15,233	82,228	66,300	15,928
Misamis Occidental	136,244	131,750	4,494	126,913	120,898	6,015	126,854	120,522	6,332	130,929	122,250	8,679	127,167	121,288	5,879
Misamis Oriental	220,766	192,296	28,470	213,456	185,506	27,950	218,900	186,000	32,900	214,200	187,100	27,100	213,000	186,500	26,500
DAVAO REGION	867,193	707,588	159,605	860,594	698,410	162,184	858,904	697,517	161,387	811,247	641,396	169,851	803,851	641,398	162,453
Davao del Norte	142,159	106,235	35,924	142,171	103,050	39,121	139,885	97,280	42,605	138,437	94,150	44,287	136,410	94,340	42,070
Davao del Sur	221,668	210,514	11,154	227,593	215,771	11,822	216,315	204,497	11,818	187,311	174,177	13,134	187,819	173,400	14,419
Davao City	239,330	134,990	104,340	236,376	134,179	102,197	229,177	133,291	95,886	239,770	136,695	103,075	233,742	137,451	96,291
Davao Oriental	136,817	136,204	613	119,646	119,023	623	136,135	135,397	738	121,584	120,912	672	124,251	123,469	782
Davao de Oro (Compostela Valley)	127,219	119,645	7,574	134,808	126,387	8,421	137,392	127,052	10,340	124,145	115,462	8,683	121,629	112,738	8,891
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	882,010	532,895	349,115	810,132	491,151	318,981	806,009	493,487	312,522	795,691	466,794	328,897	790,533	462,277	328,256
Cotabato (North Cotabato)	261,706	247,985	13,721	232,856	222,834	10,022	241,930	230,634	11,296	231,116	217,937	13,179	234,833	221,560	13,273
Sarangani	102,418	98,760	3,658	92,541	89,100	3,441	92,439	89,000	3,439	87,413	84,000	3,413	78,390	75,000	3,390
South Cotabato	421,070	106,836	314,234	400,067	99,110	300,957	397,262	100,906	296,356	409,641	98,722	310,919	409,799	98,917	310,882
Sultan Kudarat	96,816	79,314	17,502	84,668	80,107	4,561	74,378	72,947	1,431	67,521	66,135	1,386	67,511	66,800	711
CARAGA	341,471	335,090	6,381	310,361	302,823	7,538	240,526	232,867	7,659	240,898	232,875	8,023	240,714	229,317	11,397
Agusan del Norte	77,882	74,150	3,732	72,994	69,350	3,644	58,702	55,580	3,122	59,424	55,431	3,993	62,466	57,350	5,116
Agusan del Sur	84,133	83,110	1,023	79,553	77,970	1,583	61,862	59,900	1,962	63,391	61,850	1,541	62,271	58,950	3,321
Surigao del Norte	78,797	78,233	564	77,848	76,824	1,024	56,167	54,960	1,207	53,049	51,760	1,289	50,609	49,175	1,434
Surigao del Sur	86,047	84,985	1,062	71,475	70,188	1,287	58,038	56,670	1,368	58,589	57,389	1,200	58,518	56,992	1,526
Dinagat Islands	14,612	14,612	..	8,491	8,491	..	5,757	5,757	..	6,445	6,445	..	6,850	6,850	..
ARMM	214,241	214,241	..	164,575	164,575	..	109,614	109,614	..	64,854	64,854	..	68,526	68,526	..
Basilan	38,496	38,496	..	36,203	36,203	..	37,651	37,651	..	39,673	39,673	..	40,401	40,401	..
Lanao del Sur	1,483	1,483	..	1,416	1,416	..	1,250	1,250	..	900	900	..	875	875	..
Maguindanao	172,838	172,838	..	125,673	125,673	..	69,366	69,366	..	22,998	22,998	..	25,969	25,969	..
Sulu	550	550	..	500	500	..	533	533	..	545	545	..	570	570	..
Tawi-tawi	874	874	..	783	783	..	814	814	..	738	738	..	711	711	..

.. Data not available

[1]Inventory as of 01 January

Source: Philippine Statistics Authority

Table 2.14.1

LIVESTOCK INVENTORY[1] BY ANIMAL TYPE, FARM TYPE, AND GEOLOCATION *(concluded)*

2010 to 2019

(In heads)

2015			2016			2017			2018			2019		
Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
11,999,722	**7,782,290**	**4,217,432**	**12,478,711**	**7,959,930**	**4,518,781**	**12,427,790**	**8,120,087**	**4,307,703**	**12,604,441**	**8,092,940**	**4,511,501**	**12,709,248**	**8,167,864**	**4,541,384**
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
196,385	192,731	3,654	198,375	192,381	5,994	188,937	184,541	4,396	205,264	201,627	3,637	229,000	225,941	3,059
33,176	32,710	466	24,385	23,930	455	16,498	16,030	468	15,934	15,550	384	15,195	14,900	295
25,475	25,475	..	26,680	26,680	..	26,924	26,924	..	26,656	26,656	..	25,142	25,142	..
24,978	24,540	438	31,294	28,810	2,484	29,492	27,290	2,202	35,537	33,965	1,572	45,275	43,593	1,682
25,105	23,170	1,935	26,033	23,780	2,253	23,680	22,590	1,090	32,279	31,173	1,106	37,272	36,760	512
51,445	50,900	545	55,209	54,678	531	58,609	58,150	459	59,184	58,730	454	71,906	71,359	547
36,206	35,936	270	34,774	34,503	271	33,734	33,557	177	35,674	35,553	121	34,210	34,187	23
521,622	427,294	94,328	555,397	453,777	101,620	577,227	466,116	111,111	599,143	471,588	127,555	627,816	493,894	133,922
106,019	99,198	6,821	118,941	99,816	19,125	143,394	110,303	33,091	148,862	113,825	35,037	166,106	128,153	37,953
68,993	57,083	11,910	69,837	58,840	10,997	69,436	59,735	9,701	74,686	60,905	13,781	81,325	66,941	14,384
79,434	59,093	20,341	109,242	89,377	19,865	105,734	89,476	16,258	105,130	83,983	21,147	109,797	86,415	23,382
267,176	211,920	55,256	257,377	205,744	51,633	258,663	206,602	52,061	270,465	212,875	57,590	270,588	212,385	58,203
404,972	366,729	38,243	422,626	381,094	41,532	434,921	399,185	35,736	451,007	412,726	38,281	457,637	414,617	43,020
3,580	3,289	291	3,399	3,316	83	3,399	3,308	91	3,088	3,053	35	3,066	3,032	34
196,324	190,092	6,232	206,533	200,368	6,165	226,727	220,827	5,900	239,611	233,452	6,159	234,299	227,966	6,333
130,052	108,606	21,446	134,893	111,139	23,754	125,447	107,142	18,305	127,275	108,247	19,028	132,175	111,574	20,601
48,174	40,132	8,042	49,092	41,525	7,567	49,230	43,427	5,803	47,898	42,169	5,729	49,089	43,942	5,147
26,842	24,610	2,232	28,709	24,746	3,963	30,118	24,481	5,637	33,135	25,805	7,330	39,008	28,103	10,905
1,935,084	497,925	1,437,159	2,237,244	559,045	1,678,199	2,068,617	583,539	1,485,078	2,112,432	560,685	1,551,747	2,054,370	538,863	1,515,507
64,291	63,696	595	69,025	67,973	1,052	60,997	59,831	1,166	59,401	58,215	1,186	61,908	60,416	1,492
70,375	38,332	32,043	68,402	37,415	30,987	62,529	38,537	23,992	82,747	49,085	33,662	79,639	49,117	30,522
1,111,453	100,500	1,010,953	1,232,440	160,943	1,071,497	1,030,032	171,992	858,040	1,028,625	154,517	874,108	1,037,599	148,442	889,157
124,908	56,500	68,408	126,679	57,042	69,637	104,822	35,135	69,687	123,749	37,469	86,280	125,546	38,934	86,612
192,342	95,865	96,477	191,988	93,850	98,138	210,699	102,609	108,090	215,075	104,448	110,627	203,739	95,466	108,273
302,201	92,940	209,261	477,818	91,450	386,368	494,781	109,740	385,041	500,497	97,800	402,697	450,390	100,912	349,478
69,514	50,092	19,422	70,892	50,372	20,520	104,757	65,695	39,062	102,338	59,151	43,187	95,549	45,576	49,973
1,574,036	376,213	1,197,823	1,665,003	403,519	1,261,484	1,574,746	403,722	1,171,024	1,596,556	389,534	1,207,022	1,570,188	393,677	1,176,511
688,320	147,560	540,760	734,019	169,694	564,325	731,143	174,123	557,020	744,987	165,018	579,969	739,646	161,988	577,658
147,880	13,538	134,342	148,460	13,500	134,960	150,830	13,657	137,173	150,091	15,018	135,073	144,373	15,270	129,103
180,556	41,690	138,866	192,354	43,775	148,579	182,020	37,729	144,291	165,556	26,372	139,184	146,081	30,036	116,045
227,929	153,925	74,004	230,074	157,550	72,524	231,253	158,713	72,540	229,922	157,126	72,796	231,188	159,483	71,705
329,351	19,500	309,851	360,096	19,000	341,096	279,500	19,500	260,000	306,000	26,000	280,000	308,900	26,900	282,000
555,652	447,951	107,701	570,543	462,788	107,755	602,953	482,731	120,222	594,104	460,861	133,243	561,871	432,683	129,188
65,331	65,178	153	85,366	85,193	173	115,187	115,048	139	93,628	93,495	133	93,645	93,500	145
70,254	66,236	4,018	72,139	68,035	4,104	64,664	60,603	4,061	64,667	60,817	3,850	53,420	49,433	3,987
103,304	82,763	20,541	94,179	74,108	20,071	87,586	67,597	19,989	86,256	64,414	21,842	67,652	48,122	19,530
257,601	177,474	80,127	261,577	178,262	83,315	280,410	184,450	95,960	292,724	185,400	107,324	291,320	186,120	105,200
59,162	56,300	2,862	57,282	57,190	92	55,106	55,033	73	56,829	56,735	94	55,834	55,508	326
863,382	721,878	141,504	857,119	742,214	114,905	909,474	776,271	133,203	959,017	808,240	150,777	974,864	813,789	161,075
184,379	82,612	101,767	166,489	90,664	75,825	202,673	116,090	86,583	221,880	121,280	100,600	238,830	128,400	110,430
121,367	102,985	18,382	125,698	105,380	20,318	135,538	109,234	26,304	146,756	120,881	25,875	163,195	139,580	23,615
296,956	281,830	15,126	299,797	284,390	15,407	304,181	287,234	16,947	311,941	291,816	20,125	303,781	280,610	23,171
77,431	77,360	71	83,974	83,818	156	83,081	82,980	101	84,595	84,480	115	78,374	78,278	96
101,910	97,749	4,161	98,706	97,535	1,171	98,174	96,971	1,203	107,570	106,200	1,370	105,701	104,341	1,360
81,339	79,342	1,997	82,455	80,427	2,028	85,827	83,762	2,065	86,275	83,583	2,692	84,983	82,580	2,403
1,295,787	1,153,991	141,796	1,293,661	1,146,484	147,177	1,265,647	1,127,475	138,172	1,239,382	1,103,024	136,358	1,250,681	1,109,815	140,866
115,861	109,472	6,389	113,676	107,330	6,346	110,529	105,312	5,217	108,060	102,040	6,020	111,996	105,005	6,991
74,059	69,431	4,628	75,790	70,026	5,764	73,549	68,824	4,725	73,414	68,873	4,541	72,963	69,566	3,397
132,220	131,190	1,030	133,045	132,045	1,000	132,250	131,150	1,100	131,935	131,200	735	132,569	131,800	769
46,853	43,958	2,895	30,244	27,116	3,128	29,221	26,657	2,564	23,205	22,623	582	24,179	22,994	1,185
429,300	358,430	70,870	436,621	361,310	75,311	407,892	339,612	68,280	396,771	329,423	67,348	400,265	329,415	70,850
497,494	441,510	55,984	504,285	448,657	55,628	512,206	455,920	56,286	505,997	448,865	57,132	508,709	451,035	57,674
939,817	702,096	237,721	956,692	746,312	210,380	1,012,405	780,509	231,896	1,059,795	820,129	239,666	1,057,093	819,366	237,727
284,851	239,125	45,726	306,292	261,346	44,946	312,288	261,679	50,609	325,694	273,381	52,313	324,814	276,613	48,201
406,896	238,981	167,915	385,336	246,101	139,235	412,361	256,856	155,505	427,867	273,237	154,630	422,722	266,839	155,883
207,629	184,060	23,569	221,993	196,341	25,652	243,301	218,003	25,298	258,722	226,414	32,308	261,344	228,225	33,119
40,441	39,930	511	43,071	42,524	547	44,455	43,971	484	47,512	47,097	415	48,213	47,689	524
335,446	324,857	10,589	322,574	312,658	9,916	321,494	309,104	12,390	285,548	275,683	9,865	282,410	269,264	13,146
11,575	11,465	110	11,629	11,423	206	11,937	11,573	364	12,173	11,750	423	12,488	11,843	645
26,845	25,773	1,072	21,584	21,037	547	20,770	20,146	624	19,080	18,503	577	19,210	18,618	592
168,147	166,737	1,410	173,134	172,264	870	177,506	173,920	3,586	135,930	132,320	3,610	131,693	128,345	3,348
55,586	49,962	5,624	48,050	42,324	5,726	49,300	44,105	5,195	48,071	44,996	3,075	49,920	45,176	4,744
44,419	44,221	198	40,258	40,162	96	32,647	32,594	53	38,362	37,874	488	38,806	36,520	2,286
28,874	26,699	2,175	27,919	25,448	2,471	29,334	26,766	2,568	31,932	30,240	1,692	30,293	28,762	1,531
517,407	502,890	14,517	511,284	501,354	9,930	577,844	569,096	8,748	563,182	550,898	12,284	579,031	568,987	10,044
188,319	183,613	4,706	195,393	193,400	1,993	238,035	235,749	2,286	230,142	227,871	2,271	247,972	244,605	3,367
135,820	130,700	5,120	119,914	115,956	3,958	133,925	129,976	3,949	128,431	121,275	7,156	124,657	120,476	4,181
119,647	119,492	155	120,145	120,061	84	127,506	127,399	107	127,485	127,392	93	124,349	124,185	164
73,621	69,085	4,536	75,832	71,937	3,895	78,378	75,972	2,406	77,124	74,360	2,764	82,053	79,721	2,332
884,673	587,822	296,851	914,639	566,850	347,789	964,349	580,553	383,796	999,706	574,491	425,215	1,021,102	589,924	431,178
442,150	197,500	244,650	479,810	186,450	293,360	525,847	195,766	330,081	557,388	188,008	369,380	578,169	204,238	373,931
31,152	30,710	442	31,051	30,590	461	32,430	32,030	400	31,631	31,425	206	32,301	31,631	670
87,211	68,920	18,291	88,247	66,429	21,818	89,655	67,500	22,155	89,147	66,756	22,391	94,318	71,696	22,622
130,953	124,000	6,953	123,837	118,418	5,419	123,032	117,950	5,082	129,762	121,290	8,472	128,693	120,026	8,667
193,207	166,692	26,515	191,694	164,963	26,731	193,385	167,307	26,078	191,778	167,012	24,766	187,621	162,333	25,288
848,081	697,080	151,001	879,102	731,717	147,385	901,331	745,142	156,189	904,858	757,297	147,561	942,547	760,881	181,666
134,668	94,225	40,443	139,108	100,674	38,434	142,201	101,028	41,173	140,587	101,602	38,985	158,911	100,856	58,055
239,672	226,208	13,464	269,738	255,009	14,729	270,229	255,655	14,574	285,545	271,944	13,601	286,359	269,750	16,609
226,079	139,725	86,354	222,341	139,804	82,537	229,854	139,972	89,882	226,308	140,545	85,763	235,579	141,200	94,379
123,200	122,000	1,200	121,860	120,400	1,460	132,278	130,823	1,455	129,196	127,890	1,306	128,910	127,528	1,382
124,462	114,922	9,540	126,055	115,830	10,225	126,769	117,664	9,105	123,222	115,316	7,906	132,788	121,547	11,241
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
809,139	481,070	328,069	788,413	470,044	318,369	760,331	456,827	303,504	764,853	449,094	315,759	816,580	467,932	348,648
248,345	234,805	13,540	231,839	219,355	12,484	224,244	212,355	11,889	219,868	207,232	12,636	237,985	226,067	11,918
76,615	73,000	3,615	77,486	74,000	3,486	73,378	69,900	3,478	69,759	66,400	3,359	72,564	68,500	4,064
407,577	97,463	310,114	399,402	98,407	300,995	386,067	98,544	287,523	403,096	105,240	297,856	434,745	104,007	330,738
76,602	75,802	800	79,686	78,282	1,404	76,642	76,028	614	72,130	70,222	1,908	71,286	69,358	1,928
251,371	234,895	16,476	247,270	230,924	16,346	223,882	211,644	12,238	225,079	212,548	12,531	235,502	219,675	15,827
62,556	57,980	4,576	61,650	58,100	3,550	58,756	55,658	3,098	58,792	54,215	4,577	59,195	55,100	4,095
73,114	64,810	8,304	67,455	57,805	9,650	53,352	48,780	4,572	54,384	49,207	5,177	59,757	52,236	7,521
47,927	46,200	1,727	50,089	48,832	1,257	49,776	47,260	2,516	47,066	46,650	416	49,824	49,473	351
60,909	59,040	1,869	61,161	59,272	1,889	55,238	53,186	2,052	57,681	55,520	2,161	59,491	55,888	3,603
6,865	6,865	..	6,915	6,915	..	6,760	6,760	..	7,156	6,956	200	7,235	6,978	257
66,868	66,868	..	58,769	58,769	..	43,632	43,632	..	44,515	44,515	..	48,556	48,556	..
40,265	40,265	..	39,212	39,212	..	39,395	39,395	..	40,113	40,113	..	42,041	42,041	..
615	615	..	595	595	..	565	565	..	304	304	..	225	225	..
24,673	24,673	..	18,038	18,038	..	3,020	3,020	..	3,450	3,450	..	5,585	5,585	..
600	600	..	400	400	..	105	105	..	75	75	..	95	95	..
715	715	..	524	524	..	547	547	..	573	573	..	610	610	..

Table 2.14.2
POULTRY INVENTORY[1] BY ANIMAL TYPE, FARM TYPE AND GEOLOCATION
2010 to 2019
(In birds)

	2010				2011				2012			
	Total	Broilers	Layers	Native	Total	Broilers	Layers	Native	Total	Broilers	Layers	Native
Chicken												
PHILIPPINES	**158,984,322**	**52,213,317**	**28,638,913**	**78,132,092**	**162,812,901**	**54,753,886**	**31,444,301**	**76,614,714**	**164,192,253**	**57,284,153**	**31,523,802**	**75,384,298**
NCR	..	..	..	..	..	..	..	..	..	..	..	..
Metro Manila	..	..	..	..	..	..	..	..	..	..	..	..
CAR	1,476,291	37,500	69,593	1,369,198	1,795,315	319,374	59,147	1,416,794	1,523,099	3,141	61,079	1,458,879
Abra	433,593	2,000	540	431,053	438,861	6,374	250	432,237	447,178	3,141	..	444,037
Apayao	165,162	..	..	165,162	168,815	..	..	168,815	169,054	..	..	169,054
Benguet	199,306	18,000	34,378	146,928	240,545	9,000	22,442	209,103	244,855	..	21,861	222,994
Ifugao	336,952	16,000	34,675	286,277	620,541	304,000	35,275	281,266	326,413	..	37,218	289,195
Kalinga	187,425	1,500	..	185,925	176,475	..	..	176,475	182,766	..	..	182,766
Mountain Province	153,853	..	..	153,853	150,078	..	1,180	148,898	152,833	..	2,000	150,833
ILOCOS REGION	11,262,459	4,062,404	858,286	6,341,769	10,551,870	3,641,998	772,637	6,137,235	10,113,032	3,521,787	705,774	5,885,471
Ilocos Norte	1,402,375	260,272	295,506	846,597	1,448,736	308,057	244,229	896,450	1,252,073	174,751	215,849	861,473
Ilocos Sur	1,343,690	176,980	23,705	1,143,005	1,099,880	137,480	23,765	938,635	971,899	126,864	23,930	821,105
La Union	1,618,386	596,800	93,217	928,369	1,616,666	586,318	94,794	935,554	1,342,854	360,386	102,235	880,233
Pangasinan	6,898,008	3,028,352	445,858	3,423,798	6,386,588	2,610,143	409,849	3,366,596	6,546,206	2,859,786	363,760	3,322,660
CAGAYAN VALLEY	5,566,730	817,695	365,285	4,383,750	7,582,173	2,709,298	439,217	4,433,658	7,459,123	2,802,870	375,750	4,280,503
Batanes	..	..	..	..	..	..	..	..	..	..	..	..
Cagayan	2,141,909	162,500	60,460	1,918,949	2,234,575	262,650	30,000	1,941,925	2,159,794	309,450	25,175	1,825,169
Isabela	2,107,889	458,360	235,875	1,413,654	3,939,651	2,290,050	288,781	1,360,820	3,944,193	2,226,200	267,650	1,450,343
Nueva Vizcaya	865,582	179,500	33,500	652,582	924,581	128,177	77,050	719,354	926,883	238,770	29,000	659,113
Quirino	451,350	17,335	35,450	398,565	483,366	28,421	43,386	411,559	428,253	28,450	53,925	345,878
CENTRAL LUZON	29,337,156	17,111,740	5,731,686	6,493,730	30,281,078	16,800,265	7,094,533	6,386,280	28,236,486	15,273,759	6,931,878	6,030,849
Aurora	163,694	2,150	1,725	159,819	126,812	2,980	..	123,832	109,680	2,950	..	106,730
Bataan	4,279,523	3,723,650	126,000	429,873	5,258,514	4,642,600	127,300	488,614	4,208,041	3,731,793	140,855	335,393
Bulacan	5,359,819	2,713,062	2,282,549	364,208	5,722,945	2,931,979	2,469,054	321,912	5,296,422	2,536,539	2,401,694	358,189
Nueva Ecija	7,136,650	4,960,980	377,850	1,797,820	8,227,737	5,653,783	400,712	2,173,242	6,183,255	3,775,450	379,995	2,027,810
Pampanga	6,018,877	1,959,776	2,146,340	1,912,761	6,568,036	1,873,468	3,165,824	1,528,744	8,202,038	3,499,843	3,290,252	1,411,943
Tarlac	4,836,108	3,304,622	773,002	758,484	2,948,468	1,107,370	905,903	935,195	3,050,632	1,278,270	694,208	1,078,154
Zambales	1,542,485	447,500	24,220	1,070,765	1,428,566	588,085	25,740	814,741	1,186,418	448,914	24,874	712,630
CALABARZON	25,834,052	11,826,590	11,114,487	2,892,975	28,360,113	13,407,683	12,250,951	2,701,479	28,260,078	12,588,202	13,009,356	2,662,520
Batangas	10,619,123	3,219,812	6,121,998	1,277,313	10,821,537	2,744,073	6,889,030	1,188,434	10,933,291	2,698,378	6,962,595	1,272,318
Cavite	2,786,288	1,985,583	634,658	166,047	2,551,070	1,846,432	607,002	97,636	2,361,236	1,750,000	509,456	101,780
Laguna	2,423,260	1,912,053	284,811	226,396	3,016,510	2,407,792	413,038	195,680	2,962,198	2,408,400	430,296	123,502
Quezon	3,534,041	1,810,900	614,165	1,108,976	4,775,300	3,030,300	633,100	1,111,900	4,784,850	3,040,500	633,500	1,110,850
Rizal	6,471,340	2,898,242	3,458,855	114,243	7,195,696	3,379,086	3,708,781	107,829	7,218,503	2,690,924	4,473,509	54,070
MIMAROPA	3,401,636	175,536	68,109	3,157,991	3,459,357	211,627	63,242	3,184,488	3,601,931	235,570	66,320	3,300,041
Marinduque	111,008	2,251	11,073	97,684	111,275	2,138	11,297	97,840	111,886	2,117	10,676	99,093
Occidental Mindoro	577,125	..	15,854	561,271	528,651	..	16,972	511,679	440,498	..	16,051	424,447
Oriental Mindoro	504,196	152,354	6,882	344,960	485,564	135,470	2,900	347,194	502,331	130,779	7,693	363,859
Palawan	1,635,302	20,931	34,300	1,580,071	1,819,017	74,019	32,073	1,712,925	2,000,503	77,173	31,900	1,891,430
Romblon	574,005	..	..	574,005	514,850	..	..	514,850	546,713	25,501	..	521,212
BICOL REGION	7,518,045	797,094	977,114	5,743,837	7,237,322	1,059,213	928,453	5,249,656	6,699,831	1,329,911	961,275	4,408,645
Albay	1,443,204	91,500	113,062	1,238,642	1,472,118	116,000	107,952	1,248,166	1,170,046	124,546	104,593	940,907
Camarines Norte	422,790	27,624	..	395,166	295,566	21,000	735	273,831	395,800	20,000	..	375,800
Camarines Sur	2,964,364	659,970	812,244	1,492,150	2,902,904	823,750	776,128	1,303,026	3,084,812	1,106,574	804,998	1,173,240
Catanduanes	530,900	..	..	530,900	523,942	..	..	523,942	342,446	..	684	341,762
Masbate	1,688,229	..	..	1,688,229	1,509,532	34,815	..	1,474,717	1,138,273	35,841	..	1,102,432
Sorsogon	468,558	18,000	51,808	398,750	533,260	63,648	43,638	425,974	568,454	42,950	51,000	474,504
WESTERN VISAYAS	17,905,928	2,956,512	1,505,052	13,444,364	18,135,332	3,500,932	1,601,488	13,032,912	18,527,002	3,600,453	1,659,026	13,267,523
Aklan	1,140,372	1,500	7,165	1,131,707	1,116,629	2,000	7,200	1,107,429	1,038,622	3,550	11,790	1,023,282
Antique	1,060,569	3,200	44,680	1,012,689	1,056,402	1,000	52,299	1,003,103	1,072,725	2,500	40,025	1,030,200
Capiz	1,882,633	420,030	322,514	1,140,089	2,176,162	598,120	392,554	1,185,488	2,256,990	711,400	451,629	1,093,961
Guimaras	664,775	5,000	22,965	636,810	629,329	5,000	24,700	599,629	444,116	6,000	25,000	413,116
Iloilo	6,635,553	1,233,738	551,615	4,850,200	6,423,262	1,434,732	557,936	4,430,594	6,825,145	1,327,142	556,041	4,941,962
Negros Occidental	6,522,026	1,293,044	556,113	4,672,869	6,733,548	1,460,080	566,799	4,706,669	6,889,404	1,549,861	574,541	4,765,002
CENTRAL VISAYAS	11,414,464	2,309,475	2,436,471	6,668,518	12,199,000	2,604,226	2,535,086	7,059,688	12,541,819	2,868,682	2,437,685	7,235,452
Bohol	2,098,825	186,120	97,105	1,815,600	2,242,716	212,500	92,079	1,938,137	2,540,392	529,980	99,480	1,910,932
Cebu	7,090,288	1,957,564	2,306,084	2,826,640	7,372,446	2,221,457	2,418,679	2,732,310	7,431,025	2,184,969	2,312,696	2,933,360
Negros Oriental	1,732,010	164,419	31,901	1,535,690	2,109,467	169,220	21,700	1,918,547	2,074,130	150,483	22,592	1,901,055
Siquijor	493,341	1,372	1,381	490,588	474,371	1,049	2,628	470,694	496,272	3,250	2,917	490,105
EASTERN VISAYAS	3,929,021	1,200,759	158,449	2,569,813	4,380,937	1,435,889	80,542	2,864,506	3,821,120	1,728,381	120,675	1,972,064
Biliran	122,337	1,437	400	120,500	121,620	15,105	500	106,015	118,246	24,241	..	94,005
Eastern Samar	261,865	..	..	261,865	219,926	586	..	219,340	175,200	5,000	..	170,200
Leyte	2,260,286	1,063,094	139,114	1,058,078	2,626,254	1,281,740	62,102	1,282,412	2,431,232	1,555,585	60,871	814,776
Northern Samar	652,464	126,400	..	526,064	729,928	96,362	..	633,566	348,789	59,105	..	289,684
Samar	244,255	3,312	1,500	239,443	292,433	34,704	1,600	256,129	376,261	40,300	36,850	299,111
Southern Leyte	387,814	6,516	17,435	363,863	390,776	7,392	16,340	367,044	371,392	44,150	22,954	304,288
ZAMBOANGA PENINSULA	5,751,805	1,040,641	511,216	4,199,948	5,126,753	1,063,557	492,391	3,570,805	5,181,302	1,376,208	395,071	3,410,023
Zamboanga del Norte	1,661,534	40	44,790	1,616,704	1,483,647	7,100	46,539	1,430,008	1,481,145	3,205	30,790	1,447,150
Zamboanga del Sur	1,316,536	54,800	40,500	1,221,236	879,803	37,257	16,150	826,396	723,879	65,403	16,992	641,484
Zamboanga Sibugay	691,343	..	3,551	687,792	638,922	..	5,663	633,259	631,369	..	2,250	629,119
Zamboanga City	2,082,392	985,801	422,375	674,216	2,124,381	1,019,200	424,039	681,142	2,344,909	1,307,600	345,039	692,270
NORTHERN MINDANAO	14,581,674	5,579,050	3,087,352	5,915,272	13,287,102	4,082,812	3,128,947	6,075,343	19,296,971	8,866,291	3,126,881	7,303,799
Bukidnon	6,046,000	1,750,000	2,530,500	1,765,500	5,664,795	1,263,795	2,550,500	1,850,500	8,058,598	2,495,856	2,580,365	2,982,377
Camiguin	140,200	..	..	140,200	144,087	..	1,323	142,764	156,730	500	700	155,530
Lanao del Norte	1,354,140	..	31,600	1,322,540	1,517,490	4,600	20,500	1,492,390	1,395,600	5,200	58,100	1,332,300
Misamis Occidental	1,721,742	329,050	50,592	1,342,100	1,968,580	662,100	51,915	1,254,565	2,117,594	672,418	62,512	1,382,664
Misamis Oriental	5,319,592	3,500,000	474,660	1,344,932	3,992,150	2,152,317	504,709	1,335,124	7,568,449	5,692,317	425,204	1,450,928
DAVAO REGION	8,494,726	1,892,953	1,260,364	5,341,409	8,881,456	1,921,273	1,409,491	5,550,692	8,384,020	1,649,022	1,136,751	5,598,247
Davao del Norte	1,215,255	319,225	15,355	880,675	1,036,180	158,430	12,320	865,430	1,479,443	125,860	10,925	1,342,658
Davao del Sur	1,603,669	417,743	77,749	1,108,177	1,533,533	202,247	58,529	1,272,757	1,153,362	220,166	60,956	872,240
Davao City	3,648,917	1,144,285	1,114,760	1,389,872	4,263,769	1,553,796	1,292,025	1,417,948	3,712,392	1,295,796	1,014,425	1,402,171
Davao Oriental	985,565	11,700	48,488	925,377	1,001,860	6,800	42,088	952,972	993,699	7,200	43,700	942,799
Davao de Oro (Compostela Valley)	1,041,320	..	4,012	1,037,308	1,046,114	..	4,529	1,041,585	1,045,124	..	6,745	1,038,379
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	7,435,096	2,062,697	404,833	4,967,566	6,918,720	1,671,865	504,829	4,742,026	6,453,983	1,273,723	431,599	4,748,661
Cotabato (North Cotabato)	2,122,670	1,800	120,810	2,000,060	1,940,951	1,500	114,500	1,824,951	2,038,332	1,200	118,764	1,918,368
Sarangani	957,820	100,000	820	857,000	912,130	102,000	2,130	808,000	923,900	105,000	1,900	817,000
South Cotabato	3,411,564	1,902,297	280,303	1,228,964	3,244,992	1,568,365	385,450	1,291,177	2,711,072	1,167,523	310,935	1,232,614
Sultan Kudarat	943,042	58,600	2,900	881,542	820,647	..	2,749	817,898	780,679	..	..	780,679
CARAGA	2,302,916	342,671	89,916	1,870,329	2,014,676	323,874	82,547	1,608,255	1,655,629	166,153	100,682	1,388,794
Agusan del Norte	813,159	281,167	58,200	473,792	766,390	293,500	52,630	420,260	557,750	100,200	58,150	399,400
Agusan del Sur	536,412	42,804	17,860	475,748	465,983	21,885	7,858	436,240	446,093	56,428	8,765	380,900
Surigao del Norte	414,064	18,000	7,306	388,758	418,728	7,902	11,206	399,620	274,892	7,000	10,520	257,372
Surigao del Sur	483,511	700	6,550	476,261	363,575	587	10,853	352,135	327,464	1,500	23,247	302,717
Dinagat Islands	55,770	..	..	55,770	..	..	..	..	49,430	1,025	..	48,405
ARMM	2,772,323	..	700	2,771,623	2,601,697	..	800	2,600,897	2,436,827	..	4,000	2,432,827
Basilan	302,800	..	700	302,100	243,194	..	800	242,394	261,280	..	850	260,430
Lanao del Sur	929,448	..	..	929,448	1,089,017	..	..	1,089,017	1,082,372	..	..	1,082,372
Maguindanao	774,575	..	..	774,575	480,867	..	..	480,867	367,573	..	3,150	364,423
Sulu	582,822	..	..	582,822	602,870	..	..	602,870	537,740	..	..	537,740
Tawi-tawi	182,678	..	..	182,678	185,749	..	..	185,749	187,862	..	..	187,862

.. Data not available

[1] Inventory as of 01 January

Source: Philippine Statistics Authority

Table 2.14.2
POULTRY INVENTORY[1] BY ANIMAL TYPE, FARM TYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In birds)

2013				2014				2015				20	
Total	Broilers	Layers	Native	Total	Broilers	Layers	Native	Total	Broilers	Layers	Native	Total	Broilers
166,386,275	**59,196,045**	**32,002,512**	**75,187,718**	**167,671,053**	**61,582,178**	**30,006,758**	**76,082,117**	**176,469,099**	**66,616,937**	**31,253,663**	**78,598,499**	**178,792,807**	**65,713,051**
..	..	..	..	..	..	..	..	..	..	...	...	..	..
..	..	..	..	..	..	..	..	..	..	...	...	..	..
1,617,348	4,898	70,654	1,541,796	1,518,028	1,008	80,021	1,436,999	1,583,046	28,494	138,196	1,416,356	1,564,252	4,300
441,181	4,898	..	436,283	339,160	1,008	..	338,152	279,754	4,494	..	275,260	275,940	4,300
179,712	..	..	179,712	178,176	..	..	178,176	203,163	24,000	..	179,163	177,399	..
290,894	..	33,803	257,091	241,660	..	28,721	212,939	211,293	..	29,314	181,979	204,700	..
322,856	..	34,891	287,965	335,754	..	43,350	292,404	454,162	..	86,812	367,350	513,729	..
229,484	..	..	229,484	263,600	..	..	263,600	269,068	..	11,300	257,768	216,040	..
153,221	..	1,960	151,261	159,678	..	7,950	151,728	165,606	..	10,770	154,836	176,444	..
11,799,968	5,064,493	695,546	6,039,929	11,028,928	4,809,720	430,865	5,788,343	11,520,786	5,181,634	439,598	5,899,554	11,631,311	5,031,289
1,599,682	427,652	228,830	943,200	1,522,634	445,426	177,192	900,016	1,510,628	400,331	200,164	910,133	1,609,393	450,674
995,330	129,840	24,600	840,890	955,728	102,184	18,767	834,777	1,105,875	260,632	29,080	816,163	1,145,847	205,708
1,480,237	488,215	99,472	892,550	1,530,387	455,537	122,406	952,444	1,625,282	435,952	120,979	1,068,351	1,682,077	411,913
7,724,719	4,018,786	342,644	3,363,289	7,020,179	3,806,573	112,500	3,101,106	7,279,001	4,084,719	89,375	3,104,907	7,193,994	3,962,994
7,752,153	2,574,854	446,888	4,730,411	6,345,269	1,193,668	497,588	4,654,013	6,813,966	1,730,882	485,074	4,598,010	7,058,396	1,718,266
..	..	..	..	13,187	26	4,001	9,160	13,572	765	3,011	9,796	14,449	55
2,470,912	327,653	37,008	2,106,251	2,304,026	218,100	26,990	2,058,936	2,407,963	313,661	29,000	2,065,302	2,598,579	340,068
3,971,071	2,094,400	309,960	1,566,711	2,619,425	858,400	354,197	1,406,828	2,908,587	1,277,972	323,337	1,307,278	2,614,920	964,573
789,485	92,836	34,200	662,449	727,325	51,000	31,900	644,425	822,301	90,000	42,530	689,771	1,048,762	320,510
520,685	59,965	65,720	395,000	681,306	66,142	80,500	534,664	661,543	48,484	87,196	525,863	781,686	93,060
29,988,306	16,570,553	7,296,887	6,120,866	32,981,916	18,630,455	7,555,617	6,795,844	34,682,958	18,734,189	8,252,220	7,696,549	34,788,208	19,143,421
124,134	11,432	..	112,702	125,092	11,460	..	113,632	125,375	11,700	..	113,675	143,850	14,460
4,092,479	3,585,302	160,000	347,177	4,452,121	3,873,835	172,000	406,286	4,734,029	4,130,627	193,000	410,402	4,491,557	3,973,405
4,950,841	2,088,857	2,531,266	330,718	5,233,259	2,329,314	2,572,545	331,400	5,725,683	2,404,453	2,893,598	427,632	6,278,314	3,194,862
6,454,314	3,694,658	407,827	2,351,829	6,664,574	3,729,530	404,149	2,530,895	7,802,169	4,546,550	434,088	2,821,531	8,825,309	5,868,940
9,858,191	5,028,027	3,516,689	1,313,475	10,631,968	5,516,640	3,661,257	1,454,071	9,807,603	3,995,890	3,875,322	1,936,391	9,265,939	3,803,848
3,255,368	1,574,720	678,605	1,002,043	4,553,564	2,558,640	739,821	1,255,103	4,699,121	2,765,412	847,302	1,086,407	4,647,344	2,225,405
1,252,979	587,557	2,500	662,922	1,321,338	611,036	5,845	704,457	1,788,978	879,557	8,910	900,511	1,135,895	62,501
26,421,259	11,011,336	12,754,962	2,654,961	27,950,240	13,638,790	11,639,858	2,671,592	27,251,093	12,984,104	11,373,100	2,893,889	27,105,692	11,404,949
10,958,093	2,591,292	7,069,036	1,297,765	11,623,427	2,675,386	7,625,856	1,322,185	12,818,692	3,318,950	8,186,556	1,313,186	14,762,376	3,756,450
2,119,192	1,552,857	453,875	112,460	1,898,640	1,305,517	480,000	113,123	1,415,646	848,586	457,060	110,000	1,303,232	777,179
2,716,115	2,177,137	438,291	100,687	2,746,802	2,323,516	334,502	88,784	2,848,797	2,372,460	394,934	81,403	2,666,485	2,198,422
4,813,869	3,050,250	632,100	1,131,519	4,824,604	3,057,604	631,500	1,135,500	4,941,558	3,243,908	335,050	1,362,600	4,379,849	2,604,148
5,813,990	1,639,800	4,161,660	12,530	6,856,767	4,276,767	2,568,000	12,000	5,226,400	3,200,200	1,999,500	26,700	3,993,750	2,068,750
3,627,533	198,524	60,539	3,368,470	3,724,313	156,201	55,561	3,512,551	4,079,667	235,788	99,490	3,744,389	4,125,670	212,236
113,993	2,898	8,638	102,457	98,121	2,806	6,550	88,765	97,764	7,232	5,413	85,119	98,502	7,750
373,274	..	16,595	356,679	413,921	..	16,570	397,351	539,685	..	16,404	523,281	515,720	..
480,743	109,506	10,955	360,282	416,016	61,204	8,941	345,871	554,147	159,112	53,773	341,262	565,173	137,392
2,126,373	65,664	24,351	2,036,358	2,273,003	70,175	23,500	2,179,328	2,351,363	46,147	23,900	2,281,316	2,409,299	41,359
533,150	20,456	..	512,694	523,252	22,016	..	501,236	536,708	23,297	..	513,411	536,976	25,735
6,443,666	1,513,044	978,642	3,951,980	8,282,457	3,191,300	916,076	4,175,081	8,201,612	3,040,308	861,776	4,299,528	9,992,146	4,532,982
1,142,333	92,399	110,128	939,806	1,374,036	207,500	105,307	1,061,229	1,319,326	89,500	105,669	1,124,157	2,345,837	852,000
380,700	..	..	380,700	399,676	..	..	399,676	436,578	30,368	..	406,210	615,468	132,108
3,124,654	1,306,722	820,239	997,693	4,736,980	2,890,933	761,115	1,084,932	4,741,480	2,824,298	708,587	1,208,595	5,260,177	3,400,315
56,484	..	3,398	53,086	60,677	700	3,004	56,973	64,081	..	2,131	61,950	71,080	8,425
1,000,127	37,708	..	962,419	869,991	35,267	..	834,724	812,719	36,142	..	776,577	833,670	39,684
739,368	76,215	44,877	618,276	841,097	56,900	46,650	737,547	827,428	60,000	45,389	722,039	865,914	100,450
19,506,992	4,252,158	1,747,388	13,507,446	18,900,685	3,632,810	1,770,389	13,497,486	19,623,500	4,931,079	1,554,494	13,137,927	19,593,896	5,201,191
1,036,184	3,500	13,062	1,019,622	1,031,712	3,949	15,155	1,012,608	773,711	1,000	3,650	769,061	751,326	9,510
1,065,665	1,315	52,179	1,012,171	1,062,998	1,005	70,089	991,904	1,100,430	3,385	68,834	1,028,211	1,099,043	3,000
2,520,771	939,000	506,790	1,074,981	2,065,185	519,530	510,710	1,034,945	2,477,065	855,440	275,700	1,345,925	2,507,370	886,720
433,062	6,000	26,550	400,512	475,914	2,400	30,300	443,214	451,848	..	26,800	425,048	456,155	..
7,432,234	1,731,184	565,884	5,135,166	7,277,858	1,673,884	557,514	5,046,460	7,281,966	2,342,079	585,590	4,354,297	6,913,370	2,161,065
7,019,076	1,571,159	582,923	4,864,994	6,987,018	1,432,042	586,621	4,968,355	7,538,480	1,729,175	593,920	5,215,385	7,866,632	2,140,896
12,781,695	2,917,672	2,469,264	7,394,759	11,735,672	2,902,906	1,503,045	7,329,721	12,739,410	3,442,059	2,139,779	7,157,572	13,037,027	3,034,096
2,884,670	764,360	135,836	1,984,474	2,827,917	700,135	168,120	1,959,662	3,076,710	890,620	212,556	1,973,534	3,495,644	1,035,300
7,368,082	2,018,753	2,309,102	3,040,227	6,268,225	2,035,444	1,316,492	2,916,289	6,938,874	2,127,231	1,896,993	2,914,650	7,127,770	1,885,178
2,049,029	133,207	20,753	1,895,069	2,151,578	165,574	16,748	1,969,256	2,206,841	424,208	20,254	1,762,379	1,821,282	112,564
479,914	1,352	3,573	474,989	487,952	1,753	1,685	484,514	516,985	..	9,976	507,009	592,331	1,054
3,076,894	1,233,891	130,922	1,712,081	1,619,983	262,540	117,534	1,239,909	1,736,252	279,717	100,547	1,355,988	2,272,502	295,516
121,405	..	1,360	120,045	103,349	300	3,045	100,004	126,336	950	3,830	121,556	182,337	600
184,150	5,200	..	178,950	97,549	..	..	97,549	76,491	..	1,000	75,491	81,163	..
1,794,771	1,109,931	53,039	631,801	465,929	103,570	47,420	314,939	527,756	98,365	43,625	385,766	890,443	136,346
233,002	63,850	..	169,152	211,349	72,886	..	138,463	210,337	73,286	..	137,051	213,516	70,980
401,388	49,000	43,000	309,388	404,303	80,350	33,453	290,500	454,011	96,200	21,026	336,785	533,171	78,180
342,178	5,910	33,523	302,745	337,504	5,434	33,616	298,454	341,321	10,916	31,066	299,339	371,872	9,410
5,204,205	1,503,024	287,996	3,413,185	5,059,850	1,065,114	386,191	3,608,545	5,492,561	1,205,995	472,373	3,814,193	5,643,355	1,269,702
1,596,845	4,724	26,837	1,565,284	1,680,649	3,400	16,250	1,660,999	1,813,413	3,300	66,773	1,743,340	1,916,690	4,902
731,619	60,800	23,000	647,819	861,074	67,200	20,500	773,374	950,640	69,995	6,100	874,545	948,290	40,800
588,191	..	1,670	586,521	591,942	..	1,256	590,686	592,872	..	..	592,872	599,740	..
2,287,550	1,437,500	236,489	613,561	1,926,185	994,514	348,185	583,486	2,135,636	1,132,700	399,500	603,436	2,178,635	1,224,000
19,151,013	8,517,220	3,219,097	7,414,696	18,450,138	7,644,910	3,234,762	7,570,466	18,566,229	7,729,669	3,238,760	7,597,800	18,955,939	7,746,405
7,654,850	2,255,500	2,548,850	2,850,500	7,904,620	2,453,550	2,500,570	2,950,500	7,624,700	2,250,750	2,523,500	2,850,450	8,139,353	2,350,000
153,730	1,450	..	152,280	152,470	500	1,920	150,050	162,249	649	2,000	159,600	163,029	2,733
1,485,404	12,500	62,394	1,410,510	1,500,477	2,000	57,857	1,440,620	1,662,870	6,000	52,300	1,604,570	1,824,420	6,000
2,204,556	732,770	47,643	1,424,143	2,179,571	648,860	81,415	1,449,296	2,386,077	893,470	72,257	1,420,350	1,842,338	372,672
7,652,473	5,515,000	560,210	1,577,263	6,713,000	4,540,000	593,000	1,580,000	6,730,333	4,578,800	588,703	1,562,830	6,986,799	5,015,000
8,579,356	2,038,968	1,295,860	5,244,528	10,187,776	2,865,234	1,188,285	6,134,257	13,185,601	4,825,211	1,352,205	7,008,185	12,589,929	3,983,322
1,200,083	243,530	76,093	880,460	1,459,825	354,210	47,635	1,057,980	1,883,495	225,415	50,210	1,607,870	2,655,969	182,645
1,692,792	329,387	77,617	1,285,788	1,530,108	73,600	65,857	1,390,651	2,363,532	572,791	49,579	1,741,162	1,614,058	308,639
3,815,442	1,448,655	1,106,360	1,260,427	5,317,457	2,410,269	1,019,153	1,888,035	6,943,400	3,985,275	1,208,814	1,749,311	6,293,775	3,460,721
856,550	17,396	33,790	805,364	804,434	15,255	30,040	759,139	810,802	15,150	28,000	767,652	877,757	11,617
1,014,489	..	2,000	1,012,489	1,075,952	11,900	25,600	1,038,452	1,184,372	26,580	15,602	1,142,190	1,148,370	19,700
..	..	..	..	..	..	..	..	..	..	..	..	..	..
6,601,676	1,633,084	438,220	4,530,372	6,099,112	1,366,566	452,528	4,280,018	6,818,690	1,882,349	472,109	4,464,232	6,585,738	1,872,161
1,893,819	2,400	106,800	1,784,619	1,715,383	8,300	127,428	1,579,655	2,051,836	11,300	135,788	1,904,748	1,861,223	21,130
905,000	90,000	..	815,000	916,500	102,000	..	814,500	918,000	118,000	..	800,000	862,000	162,000
3,067,517	1,540,684	331,420	1,195,413	2,728,408	1,252,766	325,100	1,150,542	3,193,702	1,749,049	336,321	1,108,332	3,157,174	1,687,262
735,340	..	..	735,340	738,821	3,500	..	735,321	655,152	4,000	..	651,152	705,341	1,769
1,653,099	161,826	105,457	1,385,816	1,774,267	220,956	174,189	1,379,122	2,074,940	385,459	270,242	1,419,239	1,931,339	263,215
590,569	115,000	62,955	412,614	575,349	95,000	63,149	417,200	791,823	261,723	113,300	416,800	591,569	61,705
459,104	37,121	15,653	406,330	601,201	116,121	64,240	420,840	661,337	119,133	116,249	425,955	719,491	198,400
228,987	600	2,565	225,822	239,839	3,890	26,821	209,128	231,973	1,000	22,273	208,700	233,159	780
327,059	6,205	24,284	296,570	315,069	5,100	16,694	293,275	339,439	3,000	11,858	324,581	329,827	1,450
47,380	2,900	..	44,480	42,809	845	3,285	38,679	50,368	603	6,562	43,203	57,293	880
2,181,112	500	4,190	2,176,422	2,012,419	..	4,249	2,008,170	2,098,788	..	3,700	2,095,088	1,917,407	..
290,554	500	800	289,254	332,016	..	1,300	330,716	326,603	..	900	325,703	321,883	..
944,480	..	..	944,480	754,047	..	..	754,047	825,482	..	..	825,482	875,400	..
253,434	..	3,390	250,044	230,414	..	2,949	227,465	218,771	..	2,800	215,971	67,608	..
502,885	..	..	502,885	507,644	..	..	507,644	528,407	..	..	528,407	499,915	..
189,759	..	..	189,759	188,298	..	..	188,298	199,525	..	..	199,525	152,601	..

Table 2.14.2

POULTRY INVENTORY[1] BY ANIMAL TYPE, FARM TYPE AND GEOLOCATION *(concluded)*

2010 to 2019

(In birds)

16		2017				2018				2019			
Layers	Native	Total	Broilers	Layers	Native	Total	Broilers	Layers	Native	Total	Broilers	Layers	Native
32,227,250	**80,852,506**	**175,316,918**	**62,444,399**	**34,473,562**	**78,398,957**	**175,771,740**	**59,902,901**	**35,568,632**	**80,300,207**	**186,370,297**	**64,217,217**	**38,810,905**	**83,342,175**
...	...	..	..	..	..	..	..	..	..	..	..	..	..
...	...	..	..	..	..	..	..	..	..	..	..	..	..
137,734	1,422,218	1,470,545	11,888	130,697	1,327,960	1,735,514	3,143	136,933	1,595,438	1,903,464	238,672	164,970	1,499,822
..	271,640	259,197	4,297	..	254,900	275,416	3,143	..	272,273	258,927	5,160	..	253,767
..	177,399	150,288	7,591	..	142,697	169,866	..	..	169,866	166,658	24,512	..	142,146
23,335	181,365	188,719	..	13,942	174,777	225,923	..	24,071	201,852	222,313	..	41,182	181,131
94,949	418,780	539,058	..	101,503	437,555	647,805	..	92,000	555,805	800,670	209,000	97,000	494,670
4,000	212,040	167,458	..	3,991	163,467	234,506	..	7,900	226,606	268,619	..	4,500	264,119
15,450	160,994	165,825	..	11,261	154,564	181,998	..	12,962	169,036	186,277	..	22,288	163,989
568,069	6,031,953	9,263,459	3,802,795	789,921	4,670,743	10,009,092	3,913,156	823,178	5,272,758	10,041,719	3,808,167	890,305	5,343,247
256,849	901,870	1,497,886	249,219	430,586	818,081	1,653,817	253,902	463,612	936,303	1,620,498	281,057	432,402	907,039
41,765	898,374	1,159,335	256,800	74,639	827,896	1,054,244	147,171	63,058	844,015	1,039,738	167,372	56,986	815,380
137,103	1,133,061	1,575,946	411,873	118,331	1,045,742	1,552,443	337,241	149,988	1,065,214	1,616,375	351,738	191,697	1,072,940
132,352	3,098,648	5,030,292	2,884,903	166,365	1,979,024	5,748,588	3,174,842	146,520	2,427,226	5,765,108	3,008,000	209,220	2,547,888
541,450	4,798,680	7,349,890	2,354,836	656,043	4,339,011	6,181,378	891,623	623,953	4,665,802	6,838,770	1,512,225	751,844	4,574,701
3,758	10,636	8,966	..	1,881	7,085	11,860	..	6,827	5,033	11,810	..	7,156	4,654
33,200	2,225,311	2,126,680	219,966	40,023	1,866,691	2,497,532	357,397	75,901	2,064,234	2,311,129	189,000	83,071	2,039,058
397,242	1,253,105	3,609,081	1,909,920	475,494	1,223,667	2,224,552	423,616	415,231	1,385,705	2,979,983	1,093,475	551,087	1,335,421
37,950	690,302	808,285	141,000	35,145	632,140	710,405	72,000	32,274	606,131	877,154	193,000	30,000	654,154
69,300	619,326	796,878	83,950	103,500	609,428	737,029	38,610	93,720	604,699	658,694	36,750	80,530	541,414
7,344,631	8,300,156	27,461,705	13,105,904	7,570,899	6,784,902	29,477,471	15,738,575	7,256,756	6,482,140	31,764,997	17,082,273	7,694,462	6,988,262
3,500	125,890	134,688	11,600	6,348	116,740	138,433	13,300	7,900	117,233	139,936	6,200	7,300	126,436
133,000	385,152	1,922,409	1,457,428	112,300	352,681	1,219,272	591,893	111,600	515,779	1,057,759	553,643	163,206	340,910
2,335,689	747,763	4,454,097	1,521,713	1,902,811	1,029,573	4,650,875	1,996,325	1,911,691	742,859	4,840,228	2,217,086	2,006,067	617,075
413,635	2,542,734	5,063,628	3,127,019	374,704	1,561,905	6,318,569	4,334,143	470,382	1,514,044	7,239,382	4,960,483	659,128	1,619,771
3,618,667	1,843,424	9,146,248	3,258,294	4,610,062	1,277,892	9,849,840	4,962,353	3,285,508	1,601,979	10,012,379	4,636,071	3,487,602	1,888,706
832,145	1,589,794	5,140,418	3,144,150	556,924	1,439,344	4,034,393	1,308,375	1,446,180	1,279,838	5,937,925	3,071,143	1,351,146	1,515,636
7,995	1,065,399	1,600,217	585,700	7,750	1,006,767	3,266,089	2,532,186	23,495	710,408	2,537,388	1,637,647	20,013	879,728
12,660,997	3,039,746	26,856,204	11,359,722	12,614,124	2,882,358	26,120,647	10,329,963	13,127,864	2,662,820	26,047,000	9,332,493	13,982,488	2,732,019
9,588,675	1,417,251	14,406,081	3,609,587	9,484,828	1,311,666	14,064,169	2,795,878	10,052,362	1,215,929	14,378,813	2,354,300	10,798,568	1,225,945
433,000	93,053	1,740,940	1,171,160	475,964	93,816	2,243,847	1,619,320	529,942	94,585	1,962,638	1,271,312	596,079	95,247
384,132	83,931	2,612,813	2,121,904	412,746	78,163	1,934,574	1,532,298	322,237	80,039	2,288,352	1,832,397	380,133	75,822
355,190	1,420,511	4,219,370	2,456,571	390,586	1,372,213	4,100,557	2,432,467	423,323	1,244,767	4,196,397	2,446,684	442,708	1,307,005
1,900,000	25,000	3,877,000	2,000,500	1,850,000	26,500	3,777,500	1,950,000	1,800,000	27,500	3,220,800	1,427,800	1,765,000	28,000
131,277	3,782,157	4,145,719	175,969	91,393	3,878,357	4,329,481	156,529	180,672	3,992,280	4,557,723	215,955	218,010	4,123,758
5,425	85,327	109,893	6,600	11,193	92,100	106,986	5,649	8,900	92,437	102,435	5,900	8,994	87,541
16,193	499,527	490,833	..	10,445	480,388	543,103	..	33,100	510,003	706,263	9,517	50,934	645,812
93,209	334,572	499,445	90,004	59,501	349,940	506,417	73,486	79,990	352,941	515,316	92,788	60,822	361,706
16,450	2,351,490	2,481,211	49,483	10,254	2,421,474	2,588,819	46,615	55,982	2,486,222	2,630,988	76,282	88,999	2,465,707
..	511,241	564,337	29,882	..	534,455	584,156	30,779	2,700	550,677	602,721	31,468	8,261	562,992
669,294	4,789,870	10,388,300	4,965,703	614,673	4,807,924	10,434,560	4,416,132	602,972	5,415,456	10,342,812	4,042,933	556,617	5,743,262
83,077	1,410,760	1,546,977	262,000	87,656	1,197,321	1,583,585	160,000	90,637	1,332,948	1,730,547	252,051	92,984	1,385,512
..	483,360	728,099	140,269	..	587,830	794,475	141,002	..	653,473	776,892	120,451	19,000	637,441
562,330	1,297,532	6,290,545	4,337,715	499,594	1,453,236	6,057,011	3,906,269	480,708	1,670,034	5,888,465	3,503,463	414,730	1,970,272
647	62,008	73,585	7,454	1,023	65,108	76,136	7,035	1,029	68,072	76,663	6,935	1,103	68,625
..	793,986	864,624	39,765	..	824,859	943,536	42,326	..	901,210	944,293	42,333	..	901,960
23,240	742,224	884,470	178,500	26,400	679,570	979,817	159,500	30,598	789,719	925,952	117,700	28,800	779,452
1,599,787	12,792,918	20,337,883	5,896,729	1,572,420	12,868,734	20,168,266	5,907,935	1,478,677	12,781,654	20,472,979	6,092,933	1,497,016	12,883,030
3,477	738,339	905,301	161,163	14,690	729,448	1,225,541	469,680	15,008	740,853	1,411,068	558,574	25,694	826,800
77,480	1,018,563	939,170	3,830	66,025	869,315	959,543	2,435	85,577	871,531	972,364	8,790	103,937	859,637
300,500	1,320,150	2,650,220	891,000	314,060	1,445,160	2,616,400	901,400	295,000	1,420,000	2,590,000	920,500	269,500	1,400,000
29,450	426,705	451,235	..	32,950	418,285	460,760	..	33,180	427,580	472,261	..	34,947	437,314
591,622	4,160,683	7,073,897	2,362,494	545,813	4,165,590	6,483,836	1,885,410	446,576	4,151,850	6,642,245	1,977,933	453,655	4,210,657
597,258	5,128,478	8,318,060	2,478,242	598,882	5,240,936	8,422,186	2,649,010	603,336	5,169,840	8,385,041	2,627,136	609,283	5,148,622
2,429,109	7,573,822	14,168,982	4,059,564	2,873,533	7,235,885	14,919,814	3,984,859	3,131,672	7,803,283	19,195,947	7,618,312	3,373,203	8,204,432
248,972	2,211,372	3,494,575	1,164,800	325,021	2,004,754	3,820,306	1,203,280	348,035	2,268,991	4,207,970	1,625,000	416,642	2,166,328
2,153,333	3,089,259	8,122,380	2,681,596	2,525,738	2,915,046	8,281,968	2,512,443	2,752,949	3,016,576	11,941,567	5,677,172	2,876,566	3,387,829
17,506	1,691,212	1,956,316	212,818	11,673	1,731,825	2,211,077	267,836	16,241	1,927,000	2,453,208	316,140	62,343	2,074,725
9,298	581,979	595,711	350	11,101	584,260	606,463	1,300	14,447	590,716	593,202	..	17,652	575,550
223,984	1,753,002	2,737,902	727,275	330,566	1,680,061	2,463,777	461,755	373,914	1,628,108	2,524,559	472,666	452,613	1,599,280
5,633	176,104	184,728	1,838	8,540	174,350	182,855	1,795	13,710	167,350	179,235	3,000	14,365	161,870
1,000	80,163	97,592	1,500	5,000	91,092	103,382	1,000	5,000	97,382	117,668	1,000	5,000	111,668
103,006	651,091	1,349,060	528,500	170,200	650,360	908,881	148,318	150,333	610,230	894,477	151,788	152,548	590,141
..	142,536	156,260	18,615	7,000	130,645	242,896	65,900	74,516	102,480	220,311	42,500	77,706	100,105
62,706	392,285	494,380	88,467	71,923	333,990	612,091	193,668	77,185	341,238	693,208	242,080	116,880	334,248
51,639	310,823	455,882	88,355	67,903	299,624	413,672	51,074	53,170	309,428	419,660	32,298	86,114	301,248
443,641	3,930,012	5,882,033	1,195,620	546,960	4,139,453	6,064,534	1,175,980	579,248	4,309,306	7,308,871	1,874,135	789,630	4,645,106
73,297	1,838,491	1,927,271	5,213	122,107	1,799,951	1,965,754	10,500	115,972	1,839,282	2,134,348	24,188	261,072	1,849,088
22,590	884,900	1,042,677	50,507	60,000	932,170	1,335,568	228,300	110,913	996,355	2,064,912	940,218	141,973	982,721
..	599,740	630,922	..	..	630,922	632,421	180	..	632,241	716,943	300	400	716,243
347,754	606,881	2,281,163	1,139,900	364,853	776,410	2,130,791	937,000	352,363	841,428	2,392,668	909,429	386,185	1,097,054
3,434,974	7,774,560	20,194,790	8,436,868	3,597,808	8,160,114	19,366,508	7,062,083	3,777,867	8,526,558	19,821,905	6,865,881	3,828,329	9,127,695
2,734,910	3,054,443	8,974,288	2,691,000	2,750,554	3,532,734	9,192,528	2,585,148	2,759,226	3,848,154	9,793,769	2,539,090	2,796,702	4,457,977
4,596	155,700	141,182	..	5,052	136,130	141,893	1,090	7,288	133,515	153,416	2,200	8,680	142,536
51,890	1,766,530	1,865,250	8,550	46,100	1,810,600	1,783,600	6,050	41,000	1,736,550	1,948,909	8,000	59,669	1,881,240
73,698	1,395,968	1,789,932	427,528	102,059	1,260,345	1,892,007	446,585	155,289	1,290,133	1,863,572	731,176	155,802	976,594
569,880	1,401,919	7,424,138	5,309,790	694,043	1,420,305	6,356,480	4,023,210	815,064	1,518,206	6,062,239	3,585,415	807,476	1,669,348
1,317,719	7,288,888	13,770,535	4,601,120	1,515,012	7,654,403	11,655,512	2,899,092	1,319,996	7,436,424	11,523,579	2,407,025	1,654,966	7,461,588
49,511	2,423,813	2,204,006	138,039	57,868	2,008,099	2,294,320	213,146	71,679	2,009,495	2,531,823	202,521	301,332	2,027,970
94,661	1,210,758	1,998,730	651,401	70,326	1,277,003	1,810,203	448,262	83,523	1,278,418	1,661,014	235,822	74,692	1,350,500
1,101,177	1,731,877	6,833,589	3,672,104	1,316,399	1,845,086	5,210,063	2,154,664	1,070,084	1,985,315	5,047,274	1,920,313	1,157,808	1,969,153
37,420	828,720	1,175,266	6,985	36,684	1,131,597	1,091,877	6,762	35,741	1,049,374	1,095,555	6,929	37,799	1,050,827
34,950	1,093,720	1,558,944	132,591	33,735	1,392,618	1,249,049	76,258	58,969	1,113,822	1,187,913	41,440	83,335	1,063,138
..	..	..	..	..	..	..	..	..	..	..	..	..	..
436,656	4,276,921	7,463,532	1,424,022	1,317,536	4,721,974	8,985,294	2,601,138	1,883,757	4,500,399	9,447,492	2,203,293	2,210,991	5,033,208
102,581	1,737,512	2,230,086	46,330	118,932	2,064,824	2,181,242	74,194	165,700	1,941,348	2,538,666	70,100	151,869	2,316,697
..	700,000	875,900	225,900	..	650,000	790,035	135,035	..	655,000	754,841	90,841	..	664,000
334,075	1,135,837	3,713,855	1,150,847	1,198,604	1,364,404	5,422,260	2,390,409	1,718,057	1,313,794	5,537,452	2,040,552	2,059,122	1,437,778
..	703,572	643,691	945	..	642,746	591,757	1,500	..	590,257	616,533	1,800	..	614,733
287,428	1,380,696	1,958,954	326,384	251,477	1,381,093	2,131,401	360,938	270,873	1,499,590	2,694,579	450,254	745,461	1,498,864
114,214	415,650	648,276	154,214	83,462	410,600	736,328	206,500	84,132	445,696	1,287,818	316,902	560,396	410,520
136,391	384,700	712,319	151,797	134,994	425,528	751,461	142,321	119,658	489,482	735,146	129,276	96,093	509,777
20,665	211,714	195,020	2,450	18,945	173,625	196,219	500	23,604	172,115	187,920	676	29,554	157,690
8,377	320,000	346,664	17,098	8,566	321,000	397,182	11,117	34,047	352,018	421,379	3,000	47,421	370,958
7,781	48,632	56,675	825	5,510	50,340	50,211	500	9,432	40,279	62,316	400	11,997	49,919
500	1,916,907	1,866,485	..	500	1,865,985	1,728,491	..	300	1,728,191	1,883,901	..	..	1,883,901
500	321,383	346,846	..	500	346,346	316,485	..	300	316,185	348,335	..	..	348,335
..	875,400	853,405	..	..	853,405	720,313	..	..	720,313	810,000	..	..	810,000
..	67,608	53,819	..	..	53,819	82,462	..	..	82,462	106,115	..	..	106,115
..	499,915	458,072	..	..	458,072	462,745	..	..	462,745	475,000	..	..	475,000
..	152,601	154,343	..	..	154,343	146,486	..	..	146,486	144,451	..	..	144,451

Table 2.14.3
DUCK INVENTORY[1] BY FARM TYPE AND GEOLOCATION
2010 to 2019
(In birds)

	2010			2011			2012			2013			2014		
	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
Duck															
PHILIPPINES	**10,268,012**	**7,723,677**	**2,544,335**	**10,126,364**	**7,461,861**	**2,664,503**	**10,011,483**	**7,329,643**	**2,681,840**	**10,134,884**	**7,343,118**	**2,791,766**	**9,885,775**	**7,079,780**	**2,805,995**
NCR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CAR	201,742	201,742	..	217,325	217,325	..	210,857	210,857	..	192,850	192,850	..	192,330	192,025	305
Abra	10,197	10,197	..	10,692	10,692	..	11,601	11,601	..	11,192	11,192	..	10,290	10,290	..
Apayao	21,101	21,101	..	22,077	22,077	..	23,855	23,855	..	24,637	24,637	..	25,076	24,771	305
Benguet	7,538	7,538	..	5,503	5,503	..	3,362	3,362	..	3,530	3,530	..	4,654	4,654	..
Ifugao	75,234	75,234	..	83,433	83,433	..	81,940	81,940	..	68,754	68,754	..	61,880	61,880	..
Kalinga	81,581	81,581	..	89,439	89,439	..	83,341	83,341	..	77,810	77,810	..	80,140	80,140	..
Mountain Province	6,091	6,091	..	6,181	6,181	..	6,758	6,758	..	6,927	6,927	..	10,290	10,290	..
ILOCOS REGION	368,065	332,323	35,742	369,586	329,866	39,720	371,934	333,028	38,906	371,619	341,407	30,212	365,336	331,476	33,860
Ilocos Norte	45,800	45,800	..	44,870	44,870	..	49,357	49,357	..	60,500	60,500	..	45,220	45,220	..
Ilocos Sur	15,845	15,595	250	14,820	14,520	300	13,295	13,045	250	13,080	12,850	230	13,575	13,374	201
La Union	55,630	55,380	250	60,741	56,686	4,055	65,210	58,580	6,630	56,186	55,093	1,093	65,645	60,371	5,274
Pangasinan	250,790	215,548	35,242	249,155	213,790	35,365	244,072	212,046	32,026	241,853	212,964	28,889	240,896	212,511	28,385
CAGAYAN VALLEY	1,294,500	1,114,602	179,898	1,116,580	941,505	175,075	1,094,056	925,103	168,953	1,127,060	958,936	168,124	1,099,531	938,533	160,998
Batanes	..	..	..	..	..	..	..	..	..	..	..	..	434	434	..
Cagayan	324,290	222,119	102,171	342,760	235,387	107,373	357,966	251,425	106,541	366,105	255,749	110,356	360,916	253,353	107,563
Isabela	508,369	434,152	74,217	497,118	432,445	64,673	496,639	436,647	59,992	511,790	455,232	56,558	485,910	433,593	52,317
Nueva Vizcaya	195,136	192,736	2,400	132,771	131,000	1,771	144,970	143,730	1,240	157,880	156,670	1,210	166,771	165,653	1,118
Quirino	266,705	265,595	1,110	143,931	142,673	1,258	94,481	93,301	1,180	91,285	91,285	..	85,500	85,500	..
CENTRAL LUZON	2,522,850	1,062,471	1,460,379	2,579,719	998,674	1,581,045	2,575,408	918,028	1,657,380	2,833,028	1,042,747	1,790,281	2,974,144	1,173,832	1,800,312
Aurora	35,028	30,430	4,598	28,393	23,643	4,750	23,918	20,208	3,710	24,100	19,785	4,315	23,579	21,139	2,440
Bataan	171,031	110,000	61,031	187,984	123,120	64,864	221,544	155,429	66,115	236,775	168,525	68,250	298,736	231,380	67,356
Bulacan	324,383	131,645	192,738	378,937	110,554	268,383	444,883	76,104	368,779	562,260	55,530	506,730	732,483	96,598	635,885
Nueva Ecija	450,579	276,175	174,404	501,677	263,942	237,735	470,808	224,925	245,883	493,291	239,732	253,559	447,181	193,919	253,262
Pampanga	1,019,638	83,360	936,278	990,982	84,798	906,184	987,641	83,720	903,921	963,571	79,172	884,399	852,893	74,463	778,430
Tarlac	474,917	407,480	67,437	443,038	361,335	81,703	381,564	326,068	55,496	515,937	447,085	68,852	579,684	520,255	59,429
Zambales	47,274	23,381	23,893	48,708	31,282	17,426	45,050	31,574	13,476	37,094	32,918	4,176	39,588	36,078	3,510
CALABARZON	370,355	181,855	188,500	363,184	178,360	184,824	324,299	174,342	149,957	318,347	164,939	153,408	308,559	148,195	160,364
Batangas	65,390	45,910	19,480	62,398	43,892	18,506	51,892	43,992	7,900	48,250	43,101	5,149	36,915	32,550	4,365
Cavite	34,259	12,715	21,544	33,279	11,975	21,304	21,179	9,112	12,067	16,887	7,714	9,173	13,503	6,530	6,973
Laguna	76,440	48,927	27,513	91,755	49,619	42,136	92,678	51,678	41,000	98,330	46,748	51,582	104,833	46,615	58,218
Quezon	115,700	47,500	68,200	116,400	47,700	68,700	115,700	47,350	68,350	116,750	48,850	67,900	136,308	45,500	90,808
Rizal	78,566	26,803	51,763	59,352	25,174	34,178	42,850	22,210	20,640	38,130	18,526	19,604	17,000	17,000	..
MIMAROPA	198,649	165,469	33,180	206,368	170,867	35,501	207,318	170,852	36,466	203,813	166,218	37,595	211,361	174,743	36,618
Marinduque	4,142	4,142	..	3,935	3,935	..	2,913	2,913	..	2,920	2,920	..	2,632	2,632	..
Occidental Mindoro	69,169	69,169	..	65,919	65,919	..	62,433	62,433	..	52,856	52,856	..	58,164	58,164	..
Oriental Mindoro	52,470	19,290	33,180	54,178	18,677	35,501	54,676	18,210	36,466	56,023	18,428	37,595	54,493	17,875	36,618
Palawan	66,698	66,698	..	75,723	75,723	..	81,587	81,587	..	85,764	85,764	..	88,998	88,998	..
Romblon	6,170	6,170	..	6,613	6,613	..	5,709	5,709	..	6,250	6,250	..	7,074	7,074	..
BICOL REGION	376,273	304,421	71,852	403,583	338,506	65,077	378,159	325,075	53,084	344,545	304,900	39,645	362,274	314,566	47,708
Albay	107,415	91,885	15,530	161,233	141,684	19,549	162,427	145,225	17,202	136,365	127,326	9,039	150,001	140,058	9,943
Camarines Norte	34,686	23,811	10,875	29,122	20,100	9,022	26,051	18,200	7,851	24,676	17,120	7,556	27,620	15,270	12,350
Camarines Sur	160,142	118,877	41,265	153,501	120,406	33,095	129,333	104,175	25,158	121,219	101,310	19,909	124,131	101,778	22,353
Catanduanes	9,552	9,552	..	7,030	7,030	..	5,064	5,064	..	3,694	3,694	..	3,275	3,275	..
Masbate	14,652	14,652	..	11,796	11,796	..	13,088	13,088	..	11,806	11,806	..	8,698	8,698	..
Sorsogon	49,826	45,644	4,182	40,901	37,490	3,411	42,196	39,323	2,873	46,785	43,644	3,141	48,549	45,487	3,062
WESTERN VISAYAS	1,598,655	1,534,305	64,350	1,579,443	1,517,418	62,025	1,586,924	1,524,105	62,819	1,443,258	1,381,768	61,490	1,420,401	1,358,404	61,997
Aklan	51,119	49,458	1,661	48,449	47,076	1,373	51,218	49,761	1,457	50,332	48,846	1,486	49,560	46,993	2,567
Antique	225,537	177,677	47,860	196,654	150,933	45,721	181,260	134,762	46,498	179,024	133,893	45,131	178,264	133,448	44,816
Capiz	148,857	148,589	268	155,199	154,945	254	174,889	174,641	248	176,184	175,922	262	174,731	174,461	270
Guimaras	20,125	20,125	..	15,393	15,393	..	11,196	11,196	..	13,117	13,117	..	16,008	16,008	..
Iloilo	693,526	688,462	5,064	694,637	689,487	5,150	695,807	690,747	5,060	551,190	546,482	4,708	531,821	527,358	4,463
Negros Occidental	459,491	449,994	9,497	469,111	459,584	9,527	472,554	462,998	9,556	473,411	463,508	9,903	470,017	460,136	9,881
CENTRAL VISAYAS	187,682	181,216	6,466	156,935	150,109	6,826	157,156	150,181	6,975	146,313	138,561	7,752	148,929	140,639	8,290
Bohol	29,146	29,146	..	23,281	23,281	..	23,671	23,671	..	25,425	24,895	530	26,607	26,074	533
Cebu	25,085	25,085	..	19,123	19,123	..	19,477	19,477	..	16,567	16,567	..	14,414	14,414	..
Negros Oriental	132,253	125,787	6,466	113,319	106,493	6,826	112,902	105,927	6,975	103,406	96,184	7,222	107,003	99,246	7,757
Siquijor	1,198	1,198	..	1,212	1,212	..	1,106	1,106	..	915	915	..	905	905	..
EASTERN VISAYAS	530,049	451,476	78,573	483,484	411,437	72,047	380,290	320,297	59,993	337,883	296,447	41,436	320,651	280,868	39,783
Biliran	6,300	5,450	850	4,115	4,115	..	3,289	3,289	..	3,356	3,356	..	3,148	3,148	..
Eastern Samar	5,855	5,855	..	4,688	4,688	..	5,701	5,701	..	5,902	5,902	..	3,316	3,316	..
Leyte	447,442	374,371	73,071	404,648	337,183	67,465	305,738	249,114	56,624	269,917	229,498	40,419	259,230	220,430	38,800
Northern Samar	52,300	52,300	..	49,391	49,391	..	38,499	38,499	..	30,046	30,046	..	24,952	24,952	..
Samar	11,844	11,844	..	13,570	13,570	..	17,464	17,464	..	17,397	17,397	..	18,758	18,758	..
Southern Leyte	6,308	1,656	4,652	7,072	2,490	4,582	9,599	6,230	3,369	11,265	10,248	1,017	11,247	10,264	983
ZAMBOANGA PENINSULA	190,027	174,581	15,446	174,913	158,453	16,460	144,785	125,439	19,346	162,900	135,901	26,999	158,595	118,028	40,567
Zamboanga del Norte	79,524	76,711	2,813	71,577	68,314	3,263	47,638	46,053	1,585	67,440	66,365	1,075	44,374	42,949	1,425
Zamboanga del Sur	29,877	25,616	4,261	28,660	24,680	3,980	26,843	23,420	3,423	30,566	27,193	3,373	37,702	32,650	5,052
Zamboanga Sibugay	66,013	57,991	8,022	58,573	50,206	8,367	54,025	40,532	13,493	53,224	31,273	21,951	65,519	31,879	33,640
Zamboanga City	14,613	14,263	350	16,103	15,253	850	16,279	15,434	845	11,670	11,070	600	11,000	10,550	450
NORTHERN MINDANAO	372,612	211,962	160,650	391,443	219,463	171,980	419,076	280,009	139,067	417,555	278,425	139,130	410,110	271,380	138,730
Bukidnon	288,250	132,500	155,750	300,288	134,500	165,788	313,744	181,547	132,197	312,350	180,500	131,850	307,310	174,560	132,750
Camiguin	1,880	1,880	..	1,402	1,402	..	1,225	1,225	..	1,350	1,350	..	1,375	1,375	..
Lanao del Norte	51,174	48,752	2,422	54,541	51,910	2,631	56,580	55,070	1,510	53,230	51,400	1,830	49,760	47,980	1,780
Misamis Occidental	16,500	16,500	..	18,881	17,531	1,350	20,443	17,317	3,126	21,400	16,400	5,000	21,075	17,465	3,610
Misamis Oriental	14,808	12,330	2,478	16,331	14,120	2,211	27,084	24,850	2,234	29,225	28,775	450	30,590	30,000	590
DAVAO REGION	428,044	368,053	59,991	417,350	354,750	62,600	436,383	379,716	56,667	428,108	373,866	54,242	437,382	380,660	56,722
Compostela Valley	46,939	35,761	11,178	49,883	37,498	12,385	49,238	39,781	9,457	41,998	35,438	6,560	48,415	40,135	8,280
Davao del Norte	189,209	150,816	38,393	205,140	162,815	42,325	224,577	187,162	37,415	220,988	181,556	39,432	221,468	180,637	40,831
Davao del Sur	77,283	66,863	10,420	71,829	63,939	7,890	71,375	61,580	9,795	70,423	62,173	8,250	67,611	60,000	7,611
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Davao Oriental	60,189	60,189	..	43,411	43,411	..	44,175	44,175	..	49,456	49,456	..	51,382	51,382	..
Davao City	54,424	54,424	..	47,087	47,087	..	47,018	47,018	..	45,243	45,243	..	48,506	48,506	..
SOCCSKSARGEN	1,201,847	1,055,824	146,023	1,172,963	1,030,523	142,440	1,200,925	1,024,988	175,937	1,214,546	1,027,012	187,534	1,114,372	931,635	182,737
North Cotabato	375,095	315,810	59,285	383,180	323,787	59,393	398,650	328,850	69,800	389,213	318,127	71,086	301,391	239,131	62,260
Sarangani	36,380	36,000	380	37,350	36,950	400	37,280	37,000	280	38,112	37,800	312	37,810	37,500	310
South Cotabato	374,932	331,904	43,028	383,078	339,686	43,392	369,236	324,379	44,857	382,056	334,985	47,071	368,642	317,755	50,887
Sultan Kudarat	415,440	372,110	43,330	369,355	330,100	39,255	395,759	334,759	61,000	405,165	336,100	69,065	406,529	337,249	69,280
CARAGA	139,785	103,374	36,411	137,510	100,232	37,278	127,668	95,310	32,358	132,924	100,664	32,260	135,079	98,075	37,004
Agusan del Norte	22,350	22,350	..	22,814	21,714	1,100	21,089	20,299	790	25,750	20,350	5,400	22,510	18,930	3,580
Agusan del Sur	73,915	42,675	31,240	76,746	46,505	30,241	70,931	45,250	25,681	69,297	47,890	21,407	74,198	46,920	27,278
Surigao del Norte	17,641	14,540	3,101	16,887	13,700	3,187	16,052	12,890	3,162	16,993	13,878	3,115	17,941	13,810	4,131
Surigao del Sur	20,721	18,651	2,070	17,069	14,319	2,750	16,256	13,531	2,725	18,322	16,142	2,180	17,926	15,911	2,015
Dinagat Islands	5,158	5,158	..	3,994	3,994	..	3,340	3,340	..	2,562	2,404	158	2,504	2,504	..
ARMM	286,877	280,003	6,874	355,978	344,373	11,605	396,245	372,313	23,932	460,135	438,477	21,658	226,721	226,721	..
Basilan	8,884	8,884	..	8,045	8,045	..	9,680	9,680	..	9,396	9,396	..	10,348	10,348	..
Lanao del Sur	27,498	27,498	..	24,007	24,007	..	22,807	22,807	..	20,900	20,900	..	21,500	21,500	..
Maguindanao	210,170	203,296	6,874	292,422	280,817	11,605	335,871	311,939	23,932	404,162	382,504	21,658	170,696	170,696	..
Sulu	33,132	33,132	..	25,050	25,050	..	21,000	21,000	..	18,712	18,712	..	16,996	16,996	..
Tawi-tawi	7,193	7,193	..	6,454	6,454	..	6,887	6,887	..	6,965	6,965	..	7,181	7,181	..

.. Data not available

[1] Inventory as of 01 January of the next year

Source: Philippine Statistics Authority

Table 2.14.3

DUCK INVENTORY[1] BY FARM TYPE AND GEOLOCATION *(concluded)*
2010 to 2019
(In birds)

	2015			2016			2017			2018			2019		
	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial	Total	Backyard	Commercial
Duck															
PHILIPPINES	**10,066,727**	**7,023,523**	**3,043,204**	**10,518,539**	**7,235,535**	**3,283,004**	**10,841,959**	**7,467,826**	**3,374,133**	**11,220,127**	**7,731,859**	**3,488,268**	**11,576,895**	**7,876,610**	**3,700,285**
NCR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CAR	205,027	205,027	..	209,051	209,051	..	248,155	248,155	..	297,038	297,038	..	301,335	301,335	..
Abra	8,883	8,883	..	8,410	8,410	..	7,990	7,990	..	6,994	6,994	..	5,340	5,340	..
Apayao	24,834	24,834	..	25,541	25,541	..	25,068	25,068	..	26,763	26,763	..	26,526	26,526	..
Benguet	7,044	7,044	..	7,310	7,310	..	5,839	5,839	..	5,487	5,487	..	5,534	5,534	..
Ifugao	75,980	75,980	..	76,000	76,000	..	113,065	113,065	..	159,765	159,765	..	134,081	134,081	..
Kalinga	81,293	81,293	..	84,963	84,963	..	89,210	89,210	..	91,254	91,254	..	123,181	123,181	..
Mountain Province	6,993	6,993	..	6,827	6,827	..	6,983	6,983	..	6,775	6,775	..	6,673	6,673	..
ILOCOS REGION	385,699	358,117	27,582	396,914	369,179	27,735	382,687	376,279	6,408	374,858	363,629	11,229	370,603	363,523	7,080
Ilocos Norte	60,270	60,270	..	48,792	48,792	..	46,558	46,558	..	49,892	49,892	..	61,929	61,929	..
Ilocos Sur	14,941	14,941	..	30,974	30,974	..	50,982	50,982	..	41,377	41,377	..	28,157	28,157	..
La Union	64,928	63,418	1,510	71,522	71,522	..	56,406	56,361	45	47,718	47,669	49	57,317	55,937	1,380
Pangasinan	245,560	219,488	26,072	245,626	217,891	27,735	228,741	222,378	6,363	235,871	224,691	11,180	223,200	217,500	5,700
CAGAYAN VALLEY	1,115,584	963,272	152,312	1,119,997	987,441	132,556	1,133,770	1,010,097	123,673	1,164,167	1,052,449	111,718	1,132,155	1,033,832	98,323
Batanes	527	527	..	634	634	..	485	485	..	435	435	..	442	442	..
Cagayan	385,959	274,974	110,985	391,200	285,768	105,432	401,236	304,818	96,418	391,183	304,465	86,718	372,883	298,173	74,710
Isabela	485,610	444,283	41,327	492,952	465,828	27,124	492,210	464,955	27,255	498,867	498,867	25,000	495,255	471,642	23,613
Nueva Vizcaya	170,341	170,341	..	163,661	163,661	..	164,981	164,981	..	190,064	165,064	..	179,392	179,392	..
Quirino	73,147	73,147	..	71,550	71,550	..	74,858	74,858	..	83,618	83,618	..	84,183	84,183	..
CENTRAL LUZON	3,208,086	1,176,076	2,032,010	3,410,575	1,122,628	2,287,947	3,452,527	1,063,348	2,389,179	3,456,264	1,131,291	2,324,973	3,706,829	1,162,842	2,543,987
Aurora	24,474	23,189	1,285	28,088	23,465	4,623	28,103	24,363	3,740	32,250	25,055	7,195	27,974	25,072	2,902
Bataan	304,091	235,741	68,350	307,401	237,351	70,050	304,953	257,074	47,879	269,735	255,057	14,678	287,146	270,446	16,700
Bulacan	1,005,768	142,300	863,468	1,215,602	142,102	1,073,500	1,242,207	100,096	1,142,111	1,311,501	96,395	1,215,106	1,463,678	127,148	1,336,530
Nueva Ecija	453,028	199,118	253,910	467,033	199,910	267,123	502,005	200,301	301,704	631,445	302,962	328,483	603,815	243,408	360,407
Pampanga	863,614	81,375	782,239	883,028	78,189	804,839	897,955	89,615	808,340	804,452	118,515	685,937	876,916	123,404	753,512
Tarlac	515,084	456,952	58,132	464,695	399,950	64,745	415,947	335,062	80,885	359,247	287,223	72,024	394,374	324,088	70,286
Zambales	42,027	37,401	4,626	44,728	41,661	3,067	61,357	56,837	4,520	47,634	46,084	1,550	52,926	49,276	3,650
CALABARZON	289,993	142,375	147,618	314,099	144,905	169,194	326,594	159,865	166,729	419,873	161,934	257,939	402,767	163,883	238,884
Batangas	28,850	25,350	3,500	20,026	20,026	..	16,991	16,991	..	14,393	14,393	..	14,435	14,435	..
Cavite	11,200	5,800	5,400	9,212	5,162	4,050	8,155	5,110	3,045	7,861	5,059	2,802	7,883	5,278	2,605
Laguna	99,450	47,000	52,450	100,063	47,009	53,054	117,986	67,091	50,895	119,349	68,549	50,800	123,677	70,554	53,123
Quezon	129,493	43,225	86,268	161,798	49,708	112,090	163,462	50,673	112,789	258,770	54,433	204,337	236,772	53,616	183,156
Rizal	21,000	21,000	..	23,000	23,000	..	20,000	20,000	..	19,500	19,500	..	20,000	20,000	..
MIMAROPA	218,266	185,161	33,105	202,362	197,513	4,849	206,607	198,185	8,422	227,388	204,038	23,350	210,814	195,269	15,545
Marinduque	2,455	2,455	..	2,345	2,345	..	3,259	3,259	..	3,199	3,199	..	3,489	3,489	..
Occidental Mindoro	56,361	56,361	..	59,482	59,482	..	60,656	60,656	..	64,397	64,397	..	53,079	53,079	..
Oriental Mindoro	49,294	16,189	33,105	19,423	14,574	4,849	20,591	15,295	5,296	33,594	15,644	17,950	24,353	15,158	9,195
Palawan	100,982	100,982	..	112,317	112,317	..	114,491	111,365	3,126	117,986	112,586	5,400	121,562	115,212	6,350
Romblon	9,174	9,174	..	8,795	8,795	..	7,610	7,610	..	8,212	8,212	..	8,331	8,331	..
BICOL REGION	390,837	325,793	65,044	425,889	350,893	74,996	488,903	405,972	82,931	523,395	421,002	102,393	533,681	428,516	105,165
Albay	167,653	151,830	15,823	186,884	165,914	20,970	204,371	180,120	24,251	217,118	181,921	35,197	216,799	182,950	33,849
Camarines Norte	34,923	14,902	20,021	37,504	15,904	21,600	38,224	15,912	22,312	41,177	16,775	24,402	42,134	18,446	23,688
Camarines Sur	128,844	102,347	26,497	141,223	110,704	30,519	177,112	142,015	35,097	194,794	154,215	40,579	205,001	159,569	45,432
Catanduanes	2,345	2,345	..	2,112	2,112	..	2,260	2,260	..	2,397	2,397	..	2,197	2,197	..
Masbate	8,734	8,734	..	8,906	8,906	..	9,277	9,277	..	9,454	9,454	..	9,489	9,489	..
Sorsogon	48,338	45,635	2,703	49,260	47,353	1,907	57,659	56,388	1,271	58,455	56,240	2,215	58,061	55,865	2,196
WESTERN VISAYAS	1,393,819	1,333,515	60,304	1,420,076	1,361,617	58,459	1,396,445	1,338,449	57,996	1,394,197	1,334,733	59,464	1,447,525	1,387,987	59,538
Aklan	50,147	48,013	2,134	48,882	47,465	1,417	55,551	53,691	1,860	54,746	52,748	1,998	56,453	54,190	2,263
Antique	176,266	132,853	43,413	172,831	130,786	42,045	171,491	128,912	42,579	174,458	130,455	44,003	171,893	128,102	43,791
Capiz	173,435	173,348	87	171,200	171,200	..	172,622	172,500	122	173,395	173,200	195	173,393	173,150	243
Guimaras	15,360	15,360	..	13,554	13,554	..	13,647	13,647	..	14,899	14,899	..	14,554	14,554	..
Iloilo	506,272	501,752	4,520	538,465	533,890	4,575	507,326	503,950	3,376	511,905	508,790	3,115	559,643	556,509	3,134
Negros Occidental	472,339	462,189	10,150	475,144	464,722	10,422	475,808	465,749	10,059	464,794	454,641	10,153	471,589	461,482	10,107
CENTRAL VISAYAS	143,430	133,724	9,706	144,698	135,672	9,026	152,034	143,212	8,822	160,618	151,625	8,993	165,780	156,504	9,276
Bohol	26,199	24,184	2,015	30,828	29,470	1,358	36,241	34,999	1,242	37,464	36,194	1,270	38,770	37,430	1,340
Cebu	15,944	15,944	..	17,432	17,432	..	19,047	19,047	..	21,012	21,012	..	21,748	21,748	..
Negros Oriental	100,378	92,687	7,691	95,522	87,854	7,668	95,690	88,110	7,580	100,949	93,226	7,723	103,878	95,942	7,936
Siquijor	909	909	..	916	916	..	1,056	1,056	..	1,193	1,193	..	1,384	1,384	..
EASTERN VISAYAS	305,072	264,162	40,910	265,452	225,398	40,054	253,499	222,286	31,213	246,075	218,798	27,277	258,126	223,883	34,243
Biliran	2,470	2,470	..	2,338	2,338	..	2,450	2,450	..	2,650	2,650	..	3,130	2,585	545
Eastern Samar	3,425	3,425	..	3,673	3,673	..	3,223	3,223	..	3,206	3,206	..	3,534	3,534	..
Leyte	243,891	203,661	40,230	210,371	171,725	38,646	197,994	171,644	26,350	190,550	167,310	23,240	200,930	172,330	28,600
Northern Samar	23,548	23,548	..	22,646	22,646	..	25,455	25,455	..	23,701	23,701	..	23,550	23,550	..
Samar	20,197	20,197	..	12,631	12,631	..	8,406	8,406	..	9,179	9,179	..	10,070	9,520	550
Southern Leyte	11,541	10,861	680	13,793	12,385	1,408	15,971	11,108	4,863	16,789	12,752	4,037	16,912	12,364	4,548
ZAMBOANGA PENINSULA	150,579	110,747	39,832	165,977	126,701	39,276	192,870	152,296	40,574	244,906	167,179	77,727	254,746	166,427	88,319
Zamboanga del Norte	33,474	32,264	1,210	47,374	42,849	4,525	59,969	54,239	5,730	74,324	69,564	4,760	78,823	70,866	7,957
Zamboanga del Sur	40,681	36,585	4,096	40,657	38,558	2,099	56,203	52,450	3,753	100,917	57,572	43,345	106,847	56,419	50,428
Zamboanga Sibugay	66,286	32,046	34,240	67,447	35,095	32,352	67,826	37,235	30,591	59,811	30,569	29,242	58,355	28,851	29,504
Zamboanga City	10,138	9,852	286	10,499	10,199	300	8,872	8,372	500	9,854	9,474	380	10,721	10,291	430
NORTHERN MINDANAO	426,288	262,566	163,722	431,304	249,631	181,673	444,064	263,114	180,950	448,159	268,901	179,258	449,144	273,428	175,716
Bukidnon	331,000	176,500	154,500	329,050	158,880	170,170	322,162	159,650	162,512	317,380	156,960	160,420	313,551	157,301	156,250
Camiguin	1,200	1,200	..	1,818	1,218	600	2,214	1,665	549	1,647	1,145	502	2,156	1,496	660
Lanao del Norte	51,696	44,120	7,576	54,201	46,150	8,051	56,754	48,204	8,550	55,234	48,691	6,543	59,849	52,031	7,818
Misamis Occidental	18,079	17,009	1,070	20,305	18,805	1,500	24,129	20,125	4,004	28,575	22,105	6,470	30,425	24,600	5,825
Misamis Oriental	24,313	23,737	576	25,930	24,578	1,352	38,805	33,470	5,335	45,323	40,000	5,323	43,163	38,000	5,163
DAVAO REGION	454,896	398,507	56,389	501,466	459,202	42,264	524,409	477,089	47,320	539,916	487,354	52,562	524,967	481,261	43,706
Compostela Valley	46,781	39,517	7,264	54,301	47,506	6,795	55,548	46,658	8,890	72,073	51,816	20,257	66,258	51,611	14,647
Davao del Norte	226,350	182,410	43,940	242,343	213,510	28,833	241,946	212,616	29,330	255,479	225,468	30,011	249,858	222,852	27,006
Davao del Sur	71,896	66,711	5,185	72,679	66,043	6,636	76,900	67,800	9,100	67,946	65,652	2,294	66,588	64,535	2,053
Davao Occidental	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Davao Oriental	57,000	57,000	..	62,154	62,154	..	78,464	78,464	..	78,408	78,408	..	80,893	80,893	..
Davao City	52,869	52,869	..	69,989	69,989	..	71,551	71,551	..	66,010	66,010	..	61,370	61,370	..
SOCCSKSARGEN	1,107,357	927,980	179,377	1,245,859	1,059,859	186,000	1,411,327	1,210,616	200,711	1,493,838	1,270,626	223,212	1,567,675	1,319,507	248,168
North Cotabato	271,178	212,203	58,975	272,098	214,598	57,500	282,854	217,514	65,340	290,160	207,400	82,760	362,898	267,898	95,000
Sarangani	37,315	37,000	315	37,706	36,500	1,206	37,239	37,000	239	40,923	38,128	2,795	42,173	36,700	5,473
South Cotabato	377,185	325,748	51,437	370,160	320,012	50,148	367,723	315,962	51,761	385,846	329,137	56,709	433,080	370,380	62,700
Sultan Kudarat	421,679	353,029	68,650	565,895	488,749	77,146	723,511	640,140	83,371	776,909	695,961	80,948	729,524	644,529	84,995
CARAGA	130,917	95,624	35,293	122,044	93,069	28,975	122,544	93,339	29,205	126,493	98,320	28,173	129,320	96,985	32,335
Agusan del Norte	20,548	19,500	1,048	21,390	19,750	1,640	20,425	20,150	275	26,300	24,700	1,600	26,762	23,842	2,920
Agusan del Sur	72,800	43,300	29,500	61,275	38,500	22,775	59,747	42,747	17,000	61,156	43,656	17,500	64,580	46,940	17,640
Surigao del Norte	16,848	13,923	2,925	18,605	15,145	3,460	22,564	14,734	7,830	20,073	12,750	7,323	15,794	9,111	6,683
Surigao del Sur	17,903	16,083	1,820	17,950	16,850	1,100	17,308	13,208	4,100	16,484	14,734	1,750	19,597	14,505	5,092
Dinagat Islands	2,818	2,818	..	2,824	2,824	..	2,500	2,500	..	2,480	2,480	..	2,587	2,587	..
ARMM	140,877	140,877	..	142,776	142,776	..	105,524	105,524	..	102,942	102,942	..	121,428	121,428	..
Basilan	10,617	10,617	..	10,892	10,892	..	10,553	10,553	..	11,595	11,595	..	14,412	14,412	..
Lanao del Sur	18,009	18,009	..	16,738	16,738	..	15,922	15,922	..	13,730	13,730	..	14,000	14,000	..
Maguindanao	89,349	89,349	..	90,093	90,093	..	54,770	54,770	..	53,425	53,425	..	67,020	67,020	..
Sulu	16,649	16,649	..	18,405	18,405	..	17,384	17,384	..	16,949	16,949	..	17,799	17,799	..
Tawi-tawi	6,253	6,253	..	6,648	6,648	..	6,895	6,895	..	7,243	7,243	..	8,197	8,197	..

Table 2.15.1
ANIMALS SLAUGHTERED IN SLAUGHTERHOUSES BY ANIMAL TYPE AND GEOLOCATION
2010 to 2019
(In heads)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Carabao										
PHILIPPINES	**218,208**	**214,720**	**213,095**	**208,074**	**217,104**	**219,062**	**228,902**	**248,398**	**248,601**	**251,000**
NCR	13,902	14,283	19,895	23,973	25,585	24,384	26,150	23,540	20,629	33,241
CAR	1,510	1,342	1,132	1,014	852	657	617	653	812	1,030
Abra	82	45	29	13	48	196	360	363	400	464
Apayao	90	100	327	289	274	172	134	74	102	65
Benguet	946	830	563	420	287	114	4	45	11	6
Ifugao	..	..	54	60	58	53	84	89	101	282
Kalinga	392	367	159	232	185	122	35	82	198	213
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	20,100	20,641	21,200	20,151	21,063	21,966	25,232	26,866	25,935	23,848
Ilocos Norte	2,276	1,987	1,910	1,559	1,484	1,463	1,841	2,323	2,520	2,491
Ilocos Sur	4,814	4,556	4,581	4,765	4,839	5,043	5,175	5,644	5,165	4,041
La Union	3,508	3,393	3,457	2,994	2,537	2,585	2,821	2,919	2,811	2,614
Pangasinan	9,502	10,705	11,252	10,833	12,203	12,875	15,395	15,980	15,439	14,702
CAGAYAN VALLEY	19,757	18,122	17,078	16,105	17,064	16,785	16,527	19,038	17,798	17,397
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	12,323	11,897	11,048	10,595	11,373	11,009	10,578	12,013	10,625	11,423
Isabela	6,866	5,617	5,124	4,610	4,795	4,703	4,655	5,509	5,473	4,342
Nueva Vizcaya	528	593	893	844	790	970	1,110	1,199	1,112	1,060
Quirino	40	15	13	56	106	103	184	317	588	572
CENTRAL LUZON	20,641	21,429	17,742	14,522	16,032	18,832	22,183	28,737	26,762	20,262
Aurora	564	589	577	536	650	667	710	780	896	848
Bataan	357	406	171	131	121	87	46	89	134	79
Bulacan	7,169	7,984	4,048	2,552	3,255	6,742	7,259	14,008	11,941	7,693
Nueva Ecija	1,801	1,663	2,086	1,991	2,446	2,228	2,482	2,384	2,465	1,588
Pampanga	6,506	6,396	6,380	4,799	5,212	5,123	7,556	7,651	7,656	6,845
Tarlac	2,857	3,106	3,250	3,159	3,129	3,101	2,962	2,607	2,653	2,286
Zambales	1,387	1,285	1,230	1,354	1,219	884	1,168	1,218	1,017	923
CALABARZON	15,591	16,529	16,608	17,606	19,359	19,842	18,790	20,406	20,712	25,001
Batangas	2,985	2,297	1,112	1,639	3,504	3,785	3,600	3,158	2,247	3,282
Cavite	1,240	1,196	1,230	1,102	864	1,133	495	499	231	1,218
Laguna	4,633	5,225	6,000	6,040	6,405	6,857	6,718	7,116	6,584	7,062
Quezon	5,118	5,866	6,169	6,183	6,216	6,168	6,213	7,827	8,244	8,034
Rizal	1,615	1,945	2,097	2,642	2,370	1,899	1,764	1,806	3,406	5,405
MIMAROPA	1,225	1,056	1,092	1,072	1,106	1,008	1,057	1,068	1,143	1,051
Marinduque	736	585	556	519	571	468	514	500	512	453
Occidental Mindoro	..	..	..	..	..	..	..	..	..	1
Oriental Mindoro	470	468	454	470	491	510	530	530	531	419
Palawan	14	..	78	79	40	22	11	23	95	169
Romblon	5	3	4	4	4	8	2	15	5	9
BICOL REGION	10,352	9,687	8,815	8,145	7,916	7,404	6,779	6,787	6,413	6,592
Albay	2,281	2,000	1,766	1,806	1,830	1,463	1,472	1,354	1,414	1,569
Camarines Norte	320	262	328	354	303	241	268	237	270	223
Camarines Sur	2,994	2,286	2,214	2,018	1,922	1,918	1,580	1,620	1,699	1,523
Catanduanes	2,120	2,327	2,179	1,771	1,725	1,623	1,531	1,724	1,332	1,506
Masbate	1,860	1,955	1,691	1,586	1,509	1,440	1,195	1,111	908	975
Sorsogon	777	857	637	610	627	719	733	741	790	796
WESTERN VISAYAS	47,317	44,838	46,508	45,267	47,722	47,973	49,436	54,610	55,193	51,526
Aklan	1,840	1,876	2,014	1,799	1,735	1,628	1,962	2,372	2,118	1,933
Antique	121	31	49	33	85	90	81	17	4	3
Capiz	5,893	5,929	6,134	6,403	6,551	6,174	5,900	6,681	6,293	6,197
Guimaras	51	65	55	62	88	75	84	64	58	46
Iloilo	17,417	16,286	15,667	14,675	15,858	17,368	16,964	18,207	16,433	16,339
Negros Occidental	21,995	20,651	22,589	22,295	23,405	22,638	24,445	27,269	30,287	27,008
CENTRAL VISAYAS	9,772	10,155	7,730	7,750	8,040	7,115	7,087	9,189	10,572	11,008
Bohol	1,983	2,012	2,404	1,910	2,354	2,457	2,220	2,377	2,222	1,894
Cebu	7,412	7,835	5,067	5,547	5,327	4,068	4,370	6,245	7,475	8,430
Negros Oriental	375	308	259	289	359	585	497	567	875	684
Siquijor	2	..	..	4	..	5	..	..	..	..
EASTERN VISAYAS	17,289	17,195	16,607	14,821	15,108	16,113	15,004	16,515	16,295	16,202
Biliran	105	159	153	97	78	89	99	167	114	222
Eastern Samar	1,917	1,993	2,439	1,846	1,102	1,608	1,502	1,553	1,291	1,414
Leyte	9,638	9,061	8,892	8,209	8,900	9,394	8,325	9,733	9,935	9,780
Northern Samar	2,595	3,160	2,686	2,115	2,301	2,499	2,302	2,470	1,909	1,943
Samar	2,490	2,305	2,099	2,207	2,346	2,312	2,524	2,150	2,445	2,188
Southern Leyte	544	517	338	347	381	211	252	442	601	655
ZAMBOANGA PENINSULA	5,153	5,254	5,349	5,913	6,293	6,386	7,024	7,466	8,333	9,529
Zamboanga del Norte	2,369	2,305	2,386	2,268	2,352	2,567	2,825	2,893	2,815	2,867
Zamboanga del Sur	150	158	288	1,198	1,389	1,727	2,207	1,979	2,641	2,775
Zamboanga Sibugay	71	86	17	26	14	14	33	61	43	136
Zamboanga City	2,563	2,705	2,658	2,421	2,538	2,078	1,959	2,533	2,834	3,751
NORTHERN MINDANAO	4,269	4,891	4,441	3,964	3,924	3,927	4,355	5,174	5,189	5,144
Bukidnon	1,769	1,485	1,559	1,532	1,799	1,950	2,077	2,423	2,510	2,263
Camiguin	..	..	1	..	..	..	..	..	..	..
Lanao del Norte	1,275	2,217	1,705	1,365	1,030	1,073	1,088	1,137	1,152	1,294
Misamis Occidental	791	842	891	761	788	618	715	751	652	645
Misamis Oriental	434	347	285	306	307	286	475	863	875	942
DAVAO REGION	13,779	13,816	14,081	14,250	13,138	12,957	13,360	13,026	14,675	12,971
Davao del Norte	3,965	4,312	4,167	4,118	4,547	4,920	4,751	4,368	4,023	3,942
Davao del Sur	6,611	6,778	7,499	7,331	6,811	6,060	5,914	5,474	5,019	4,160
Davao City	2,760	2,316	2,076	2,408	1,231	1,455	2,209	2,794	5,306	4,532
Davao Oriental	352	293	237	267	383	354	250	190	163	93
Davao de Oro (Compostela Valley)	91	117	102	126	166	168	236	200	164	243
Davao Occidental	..	..	..	..	..	..	..	..	..	1
SOCCSKSARGEN	10,687	9,692	9,351	9,015	9,249	8,822	9,916	8,817	8,573	8,309
Cotabato (North Cotabato)	2,792	2,890	2,735	2,496	2,704	2,273	3,442	1,712	1,751	2,042
Sarangani	31	25	21	23	13	129	36	11	..	..
South Cotabato	4,451	3,641	3,595	3,825	4,036	4,070	4,047	4,450	4,273	3,815
Sultan Kudarat	3,413	3,136	3,000	2,671	2,496	2,350	2,391	2,644	2,549	2,452
CARAGA	4,139	3,562	3,367	3,439	3,554	3,826	4,405	3,976	4,977	4,954
Agusan del Norte	1,338	1,191	1,104	983	1,031	1,185	1,903	1,951	2,573	3,332
Agusan del Sur	14	31	16	22	14	20	80	77	50	36
Surigao del Norte	1,092	958	954	856	727	629	669	535	678	501
Surigao del Sur	1,695	1,382	1,293	1,578	1,779	1,992	1,753	1,412	1,675	1,084
Dinagat Islands	..	..	..	..	3	..	..	1	1	1
ARMM	2,725	2,228	2,099	1,067	1,099	1,065	980	2,530	4,590	2,935
Basilan	..	..	..	..	..	..	..	..	129	187
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2,725	2,228	2,099	1,067	1,099	1,065	980	2,530	2,961	2,748
Sulu	..	..	..	..	..	..	..	..	1,500	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

Table 2.15.1
ANIMALS SLAUGHTERED IN SLAUGHTERHOUSES BY ANIMAL TYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In heads)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cattle										
PHILIPPINES	**521,614**	**552,885**	**543,010**	**549,224**	**555,800**	**566,991**	**570,532**	**577,716**	**565,630**	**591,086**
NCR	35,739	41,863	41,105	42,460	41,352	39,803	43,133	44,294	31,947	37,029
CAR	9,408	9,870	10,430	11,497	11,468	10,987	11,234	11,631	11,144	11,246
Abra	2,037	2,048	2,090	2,281	2,494	2,393	2,224	2,245	2,242	2,401
Apayao	67	93	292	295	261	184	112	67	56	103
Benguet	5,426	5,812	6,216	6,703	6,533	6,899	7,366	7,575	7,260	7,023
Ifugao	1,222	1,309	1,255	1,270	1,381	521	577	602	707	740
Kalinga	656	608	535	890	727	948	932	1,114	823	937
Mountain Province	..	..	42	58	72	42	23	28	56	42
ILOCOS REGION	40,798	38,625	40,545	44,007	46,189	44,195	43,620	42,854	43,970	46,480
Ilocos Norte	8,367	8,489	8,904	10,004	10,311	10,280	10,159	10,191	9,785	10,230
Ilocos Sur	6,114	6,048	6,235	6,640	6,521	6,516	5,415	6,050	6,551	6,818
La Union	7,945	7,460	7,339	7,812	8,246	7,710	7,795	7,849	7,952	8,104
Pangasinan	18,372	16,628	18,067	19,551	21,111	19,689	20,251	18,764	19,682	21,328
CAGAYAN VALLEY	20,913	21,409	22,165	25,505	28,099	27,778	26,839	26,393	24,174	23,529
Batanes	..	..	..	..	..	..	..	159	265	277
Cagayan	5,607	5,525	5,617	6,403	6,622	6,554	6,675	6,311	5,519	6,096
Isabela	11,799	12,254	13,312	15,523	17,324	17,177	16,299	15,894	14,953	13,689
Nueva Vizcaya	2,795	2,641	2,414	2,613	3,021	2,951	2,833	3,071	2,649	2,873
Quirino	712	989	822	966	1,132	1,096	1,032	958	788	594
CENTRAL LUZON	40,503	43,233	41,635	48,113	44,375	47,902	48,080	49,865	53,164	58,351
Aurora	1,747	1,777	1,777	1,677	1,790	1,728	1,779	1,783	2,022	2,249
Bataan	3,358	3,493	2,846	3,474	2,772	2,890	3,099	3,346	2,895	3,124
Bulacan	17,319	19,034	16,985	12,493	13,339	13,737	12,583	15,531	17,459	21,966
Nueva Ecija	2,250	2,358	2,739	2,708	2,891	2,683	2,834	2,855	2,655	2,942
Pampanga	6,052	6,245	6,225	17,070	13,338	16,893	17,860	16,127	18,102	17,073
Tarlac	4,623	4,992	5,209	4,939	4,177	4,094	4,482	3,920	3,726	4,609
Zambales	5,154	5,334	5,854	5,752	6,068	5,877	5,443	6,303	6,305	6,388
CALABARZON	53,449	61,650	62,046	61,471	64,202	68,277	71,658	74,558	76,221	88,332
Batangas	7,890	5,962	4,634	4,600	4,836	5,198	7,399	8,953	10,910	12,283
Cavite	30,299	31,004	33,380	32,646	33,438	32,125	34,464	36,491	39,341	46,978
Laguna	5,901	5,441	5,308	5,488	5,596	5,534	5,311	5,384	5,489	7,387
Quezon	5,098	4,638	4,768	4,721	4,512	4,153	3,928	3,924	4,084	3,628
Rizal	4,261	14,605	13,956	14,016	15,820	21,267	20,556	19,806	16,397	18,056
MIMAROPA	15,230	16,071	16,149	16,837	16,463	16,680	17,336	17,557	18,959	17,292
Marinduque	1,992	2,144	2,109	2,364	2,274	2,235	2,133	1,634	1,775	1,582
Occidental Mindoro	4,335	4,627	4,651	4,720	4,734	4,744	4,762	4,794	2,778	2,948
Oriental Mindoro	2,792	2,790	2,712	2,705	2,651	2,678	2,669	3,055	5,746	4,391
Palawan	5,019	5,398	5,408	5,718	5,526	5,797	6,622	6,502	6,919	6,827
Romblon	1,092	1,112	1,269	1,330	1,278	1,226	1,150	1,572	1,741	1,544
BICOL REGION	30,434	32,730	32,901	31,805	31,216	30,736	27,316	23,223	21,914	21,480
Albay	3,902	4,797	4,960	4,883	4,792	4,960	4,537	4,870	4,994	5,203
Camarines Norte	2,290	2,579	2,791	2,706	2,542	2,229	2,111	2,114	1,914	1,958
Camarines Sur	7,223	7,401	8,420	9,276	9,456	9,971	8,838	9,331	8,956	8,511
Catanduanes	302	268	300	247	178	176	182	178	211	290
Masbate	14,674	15,627	14,535	12,926	12,444	11,504	9,717	4,770	3,818	3,600
Sorsogon	2,043	2,058	1,895	1,767	1,804	1,896	1,931	1,960	2,021	1,918
WESTERN VISAYAS	54,972	55,845	54,907	53,613	55,561	56,886	59,062	61,227	61,344	60,757
Aklan	8,445	8,811	8,785	8,395	7,790	9,640	9,968	10,372	9,994	10,605
Antique	6,800	6,647	7,062	6,567	6,700	6,612	6,714	7,381	7,477	7,367
Capiz	2,122	2,264	2,195	2,112	2,326	2,151	2,484	2,654	2,808	2,845
Guimaras	2,291	1,877	1,846	2,079	2,582	2,577	2,834	3,076	3,504	3,566
Iloilo	18,302	18,023	17,495	18,581	17,685	17,127	16,995	17,052	17,552	17,528
Negros Occidental	17,012	18,223	17,524	15,879	18,478	18,779	20,067	20,692	20,009	18,846
CENTRAL VISAYAS	65,893	67,528	55,208	54,650	52,656	51,738	54,633	59,967	58,152	54,795
Bohol	11,877	13,337	11,210	11,596	11,952	12,672	12,591	13,436	13,433	12,784
Cebu	42,997	43,128	32,175	31,430	28,470	26,278	29,094	32,558	31,609	28,644
Negros Oriental	9,601	9,615	10,405	10,189	10,767	11,306	11,391	12,265	11,739	12,195
Siquijor	1,418	1,448	1,418	1,435	1,467	1,482	1,557	1,708	1,371	1,172
EASTERN VISAYAS	11,427	12,534	11,930	10,666	11,490	10,264	9,421	9,512	8,951	9,014
Biliran	946	1,066	986	933	784	763	804	593	389	357
Eastern Samar	468	446	477	544	378	323	326	277	203	201
Leyte	7,449	8,395	8,101	6,909	8,107	7,228	6,431	6,574	6,404	6,308
Northern Samar	320	347	306	299	340	409	294	282	111	95
Samar	475	482	491	513	540	528	613	869	753	985
Southern Leyte	1,769	1,798	1,569	1,468	1,341	1,013	953	917	1,091	1,068
ZAMBOANGA PENINSULA	28,479	34,057	30,248	28,010	26,557	30,922	22,602	22,080	21,514	26,162
Zamboanga del Norte	5,387	5,893	6,138	5,819	6,194	6,596	6,645	6,707	7,138	11,102
Zamboanga del Sur	15,830	20,076	15,973	14,937	13,083	16,373	8,256	8,243	6,266	7,088
Zamboanga Sibugay	3,176	3,576	3,963	3,402	3,216	3,987	3,667	3,904	4,887	4,666
Zamboanga City	4,086	4,512	4,174	3,852	4,064	3,966	4,034	3,226	3,223	3,306
NORTHERN MINDANAO	43,962	42,844	44,729	43,967	46,674	45,465	46,844	45,734	47,369	48,693
Bukidnon	8,265	9,738	10,297	10,838	11,294	9,934	10,392	9,808	10,269	10,662
Camiguin	713	722	765	816	824	747	718	741	738	798
Lanao del Norte	11,533	9,244	9,195	8,018	8,661	8,759	8,929	8,978	9,576	9,663
Misamis Occidental	8,149	8,549	8,461	8,191	8,095	8,584	8,774	8,693	8,607	8,527
Misamis Oriental	15,302	14,591	16,011	16,104	17,800	17,441	18,031	17,514	18,179	19,043
DAVAO REGION	23,938	24,092	25,655	25,618	26,195	28,623	28,271	28,917	27,860	28,917
Davao del Norte	7,794	8,410	9,498	8,945	9,555	10,118	11,633	12,223	12,579	14,428
Davao del Sur	7,761	7,687	7,444	7,607	7,773	9,322	8,272	7,486	7,060	5,275
Davao City	5,575	5,374	5,883	6,525	5,749	6,327	5,560	6,018	4,754	4,914
Davao Oriental	1,932	1,790	1,978	1,739	2,125	2,095	2,060	2,271	2,585	2,937
Davao de Oro (Compostela Valley)	876	831	852	802	993	761	746	919	882	966
Davao Occidental	..	..	..	..	..	..	..	..	..	397
SOCCSKSARGEN	29,998	34,012	33,425	36,437	35,800	37,962	41,196	40,999	40,596	41,952
Cotabato (North Cotabato)	12,335	13,350	12,428	13,817	13,925	15,269	15,398	14,853	15,884	16,413
Sarangani	553	551	513	540	520	938	758	666	654	861
South Cotabato	14,550	17,214	17,298	18,776	17,805	18,092	21,290	21,777	20,045	20,455
Sultan Kudarat	2,560	2,897	3,186	3,304	3,550	3,663	3,750	3,703	4,013	4,223
CARAGA	10,385	11,066	10,890	10,953	12,043	12,332	12,815	13,071	12,216	10,687
Agusan del Norte	3,547	4,170	3,766	4,046	4,492	4,748	4,800	4,511	4,121	4,086
Agusan del Sur	3,642	3,863	3,894	3,618	3,829	3,680	3,659	3,971	3,491	2,740
Surigao del Norte	1,504	1,426	1,620	1,602	1,560	1,550	1,665	1,506	1,554	1,519
Surigao del Sur	1,692	1,607	1,610	1,687	2,159	2,349	2,686	3,077	3,041	2,332
Dinagat Islands	..	..	..	..	3	5	5	6	9	10
ARMM	6,086	5,456	9,042	3,615	5,460	6,441	6,472	5,834	6,135	6,370
Basilan	427	..	1,546	407	1,325	1,792	1,896	1,936	1,204	1,395
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	2,473	1,781	1,844	921	1,207	1,070	884	1,039	1,141	1,247
Sulu	3,070	3,675	5,540	2,175	2,804	3,579	3,484	2,720	3,640	3,728
Tawi-tawi	116	..	112	112	124	..	208	139	150	..

.. Data not available
Source: Philippine Statistics Authority

Table 2.15.1
ANIMALS SLAUGHTERED IN SLAUGHTERHOUSES BY ANIMAL TYPE AND GEOLOCATION *(continued)*
2010 to 2019
(In heads)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Goat										
PHILIPPINES	**155,381**	**167,947**	**160,289**	**135,655**	**136,049**	**136,522**	**126,670**	**119,732**	**114,824**	**107,802**
NCR	..	803	2,909	1,861	63	..	..	120	16,012	14,144
CAR	1,735	1,590	1,354	758	644	923	812	1,583	1,673	1,233
Abra	..	..	72	111	70	52	52	41	59	73
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	1,735	1,590	1,282	647	574	871	760	1,542	1,614	1,160
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	4,566	4,319	3,666	3,444	2,824	2,982	3,204	2,631	1,961	1,277
Ilocos Norte	..	3	7	..	13	..	..	18	3	1
Ilocos Sur	..	..	..	..	..	..	..	..	..	..
La Union	4,271	3,686	3,360	3,213	2,756	2,885	3,152	2,584	1,937	1,240
Pangasinan	295	630	299	231	55	97	52	29	21	36
CAGAYAN VALLEY	87	85	84	106	175	67	105	174	239	197
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	..	..	..	..	..	..	..	..	..	..
Isabela	87	85	84	106	175	59	42	140	239	196
Nueva Vizcaya	..	..	..	..	..	8	63	34	..	1
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	4,240	4,988	5,776	5,529	6,756	6,731	8,233	9,275	9,141	9,101
Aurora	..	..	..	..	..	..	..	31	188	151
Bataan	284	348	339	417	339	291	302	220	130	124
Bulacan	6	202	306	287	114	331	282	247	118	104
Nueva Ecija	1,841	1,870	2,393	2,428	4,089	3,979	5,058	5,455	5,668	5,932
Pampanga	..	33	32	67	58	55	114	35	20	9
Tarlac	2,080	2,522	2,706	2,179	1,846	1,777	2,096	3,018	2,662	2,559
Zambales	29	13	..	151	310	298	381	269	355	222
CALABARZON	2,581	3,525	7,728	3,014	2,707	3,052	4,361	4,444	3,968	4,101
Batangas	2,581	3,525	7,283	2,200	2,202	1,912	3,268	3,468	3,171	3,547
Cavite	..	..	352	600	256	941	995	864	490	377
Laguna	..	..	93	214	249	199	66	25	41	38
Quezon	..	..	..	..	..	..	32	87	260	139
Rizal	..	..	..	..	..	..	..	..	6	..
MIMAROPA	7,111	7,400	7,312	7,137	7,175	7,274	7,302	7,090	2,238	2,505
Marinduque	45	..	..	..	..	..	..	..	..	..
Occidental Mindoro	3,706	3,954	3,961	4,057	4,067	4,074	4,087	4,127	617	555
Oriental Mindoro	1,854	1,832	1,875	1,901	1,876	1,883	1,897	1,637	902	1,260
Palawan	1,374	1,377	1,184	1,000	1,192	1,271	1,038	958	555	495
Romblon	132	237	292	179	40	46	280	368	164	195
BICOL REGION	990	819	784	1,006	963	1,205	1,104	1,319	933	992
Albay	..	..	..	..	..	..	66	43	39	151
Camarines Norte	..	..	18	9	5	39	22	31	19	3
Camarines Sur	990	819	766	997	958	1,166	1,016	1,245	875	820
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	18
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	5,834	6,646	6,518	5,727	6,063	5,169	6,056	7,797	8,266	5,672
Aklan	494	432	453	411	937	195	191	94	67	73
Antique	8	..	..	..	..	..	..	..	..	..
Capiz	..	11	10	4	1	3	7	2	3	..
Guimaras	..	..	..	..	..	..	1	5	4	..
Iloilo	1,095	1,249	1,000	1,044	811	1,244	1,678	2,316	1,943	2,067
Negros Occidental	4,237	4,954	5,055	4,268	4,314	3,727	4,179	5,380	6,249	3,532
CENTRAL VISAYAS	64,347	70,612	50,838	45,221	49,608	48,345	52,403	47,897	37,714	34,139
Bohol	354	373	511	416	348	102	237	213	100	44
Cebu	60,372	65,447	44,536	37,767	40,815	40,237	44,105	38,920	32,101	27,463
Negros Oriental	3,620	4,792	5,791	7,036	8,445	8,006	8,061	8,761	5,511	6,632
Siquijor	1	..	..	2	..	..	..	3	2	..
EASTERN VISAYAS	2,180	1,993	2,205	2,200	967	1,229	1,739	1,329	1,306	1,494
Biliran	73	72	25	55	37	19	57	72	18	25
Eastern Samar	..	..	..	..	..	..	..	..	..	..
Leyte	1,927	1,837	2,147	2,142	930	1,210	1,682	1,257	1,288	1,469
Northern Samar	..	..	..	..	..	..	..	..	..	..
Samar	..	..	..	1	..	..	..	..	..	..
Southern Leyte	180	84	33	2	..	..	..	..	..	..
ZAMBOANGA PENINSULA	15,237	16,844	23,367	17,953	20,632	25,002	5,687	3,744	4,209	4,621
Zamboanga del Norte	158	94	185	179	172	209	120	122	154	342
Zamboanga del Sur	14,737	16,306	22,346	17,097	19,840	24,179	5,069	2,986	2,995	3,498
Zamboanga Sibugay	223	185	615	437	447	471	328	296	436	421
Zamboanga City	119	259	221	240	173	143	170	340	624	360
NORTHERN MINDANAO	8,514	8,857	8,372	7,441	6,779	6,059	6,274	5,824	5,298	5,975
Bukidnon	1,092	2,016	2,578	2,356	2,433	2,263	1,975	2,074	2,309	2,198
Camiguin	3	10	18	5	13	36	62	28	10	1
Lanao del Norte	3,454	2,770	2,242	1,693	1,022	1,043	1,100	1,133	1,181	1,240
Misamis Occidental	1,526	2,031	1,817	1,731	1,455	1,382	1,516	1,037	550	1,002
Misamis Oriental	2,439	2,030	1,717	1,656	1,856	1,335	1,621	1,552	1,248	1,534
DAVAO REGION	22,100	23,693	22,934	22,564	18,755	16,683	15,892	14,790	12,671	12,480
Davao del Norte	3,141	3,369	3,104	3,784	4,023	4,028	4,143	3,485	3,265	3,295
Davao del Sur	2,563	2,594	2,672	3,130	2,738	2,945	2,912	2,796	1,984	1,798
Davao City	11,413	11,706	12,065	10,621	7,896	6,098	5,376	5,165	4,209	3,863
Davao Oriental	3,901	4,398	4,107	3,848	2,991	2,794	2,550	2,321	2,192	2,213
Davao de Oro (Compostela Valley)	1,082	1,626	986	1,181	1,107	818	911	1,023	1,021	1,097
Davao Occidental	..	..	..	..	..	..	..	..	..	214
SOCCSKSARGEN	4,718	6,003	6,228	5,382	6,034	5,423	6,750	4,883	3,857	5,026
Cotabato (North Cotabato)	1,598	2,583	2,300	1,131	1,252	1,716	2,289	1,010	952	1,497
Sarangani	..	..	..	..	..	..	17	97	334	389
South Cotabato	2,741	2,995	3,485	3,803	4,557	3,526	4,378	3,678	2,412	2,708
Sultan Kudarat	379	425	443	448	225	181	66	98	159	432
CARAGA	5,261	4,475	3,688	3,691	3,768	3,713	4,669	3,946	3,070	2,748
Agusan del Norte	3,972	3,746	2,743	3,077	2,963	2,927	3,600	3,242	2,211	2,347
Agusan del Sur	1,144	596	799	462	668	657	901	564	495	273
Surigao del Norte	..	..	..	..	1	..	42	28	79	55
Surigao del Sur	145	133	146	152	136	129	126	112	285	73
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
ARMM	5,880	5,295	6,526	2,621	2,136	2,665	2,079	2,886	2,268	2,097
Basilan	..	..	..	..	..	..	..	..	41	..
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	5,880	5,295	6,526	2,621	2,136	2,665	2,079	2,886	2,227	2,097
Sulu	..	..	..	..	..	..	..	..	..	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

Table 2.15.1
ANIMALS SLAUGHTERED IN SLAUGHTERHOUSES BY ANIMAL TYPE AND GEOLOCATION *(concluded)*
2010 to 2019
(In heads)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Hog										
PHILIPPINES	**9,000,359**	**9,419,351**	**10,193,074**	**10,410,111**	**10,266,867**	**10,742,450**	**11,628,820**	**12,621,282**	**12,872,051**	**12,909,896**
NCR	1,080,713	974,419	1,265,839	1,200,644	1,138,939	1,120,919	1,229,602	1,272,806	1,388,398	1,455,724
CAR	127,286	137,238	168,243	167,936	168,344	177,959	176,982	214,291	214,473	217,637
Abra	23,731	26,098	27,154	28,000	28,090	28,462	28,783	33,374	31,290	30,892
Apayao	3,605	4,443	5,163	4,828	5,323	5,630	6,895	5,310	6,004	6,724
Benguet	83,186	88,819	113,049	111,358	112,335	118,694	114,138	142,086	147,094	148,760
Ifugao	8,413	9,445	10,407	10,581	9,782	12,521	13,030	13,787	12,696	13,038
Kalinga	8,351	8,433	11,403	11,821	11,766	11,703	13,130	18,597	16,316	17,175
Mountain Province	..	..	1,067	1,348	1,048	949	1,006	1,137	1,073	1,048
ILOCOS REGION	661,185	678,809	737,713	752,192	723,802	731,679	768,932	845,010	891,388	892,158
Ilocos Norte	112,241	117,946	127,933	129,444	128,572	132,441	134,974	155,768	155,260	162,278
Ilocos Sur	89,927	90,506	104,006	104,841	102,678	107,240	114,768	122,169	128,077	125,228
La Union	128,225	132,433	143,613	148,103	144,897	149,184	156,672	174,786	180,871	182,989
Pangasinan	330,792	337,924	362,161	369,804	347,655	342,814	362,518	392,287	427,180	421,663
CAGAYAN VALLEY	395,938	418,381	465,917	473,168	461,904	488,670	515,454	551,046	533,699	578,689
Batanes	..	..	..	..	..	..	821	2,781	3,983	5,669
Cagayan	149,505	154,059	170,919	170,208	165,088	180,608	184,197	186,470	180,958	199,073
Isabela	174,484	185,120	206,527	219,877	218,064	224,109	242,372	264,975	252,994	275,655
Nueva Vizcaya	57,765	64,157	73,909	67,425	63,533	66,487	69,308	75,706	73,040	75,968
Quirino	14,184	15,045	14,562	15,658	15,219	17,466	18,756	21,114	22,724	22,324
CENTRAL LUZON	1,416,331	1,441,328	1,534,768	1,681,093	1,700,474	1,802,946	1,990,596	2,162,645	2,167,469	2,055,836
Aurora	20,973	21,466	21,606	22,423	21,395	22,972	27,400	31,984	37,775	40,900
Bataan	104,728	106,481	100,716	135,545	113,203	109,673	112,188	130,201	114,804	101,573
Bulacan	423,923	423,430	466,768	523,673	549,799	593,078	586,023	666,499	673,397	706,402
Nueva Ecija	229,214	239,087	292,786	284,297	267,324	286,157	303,608	333,355	327,916	282,618
Pampanga	385,997	379,500	365,892	442,703	474,473	494,956	632,975	663,630	681,238	597,437
Tarlac	149,435	161,167	163,175	147,119	151,798	163,307	175,918	181,087	180,440	180,594
Zambales	102,061	110,197	123,825	125,333	122,482	132,803	152,484	155,889	151,899	146,312
CALABARZON	1,566,842	1,756,425	1,842,970	1,937,758	1,935,492	2,031,870	2,197,204	2,440,256	2,542,747	2,415,711
Batangas	264,581	245,586	244,150	270,501	272,786	285,539	368,098	386,968	432,477	447,571
Cavite	383,797	522,324	515,325	513,196	529,542	630,527	725,508	727,546	672,781	632,625
Laguna	308,053	353,190	387,160	409,352	400,131	418,026	421,816	440,366	433,345	388,811
Quezon	181,166	183,360	192,471	203,506	207,236	211,594	205,636	232,110	248,411	249,126
Rizal	429,245	451,965	503,864	541,203	525,797	486,184	476,146	653,266	755,733	697,578
MIMAROPA	216,880	228,559	235,989	241,060	259,843	268,492	276,387	298,866	345,182	360,792
Marinduque	22,283	23,682	25,148	26,431	26,355	28,472	29,160	30,492	34,729	38,724
Occidental Mindoro	38,717	40,273	40,459	40,823	40,994	41,055	41,266	41,376	45,151	44,714
Oriental Mindoro	74,395	74,642	77,276	78,806	81,054	83,473	85,491	95,742	129,812	130,532
Palawan	61,664	68,570	70,172	71,953	85,777	88,671	91,719	98,971	104,604	114,562
Romblon	19,821	21,392	22,934	23,047	25,663	26,821	28,751	32,285	30,886	32,260
BICOL REGION	414,187	490,467	511,850	493,287	496,434	524,918	563,285	616,554	589,818	646,397
Albay	119,070	146,811	153,028	142,437	143,316	150,591	166,699	174,582	169,085	187,928
Camarines Norte	49,441	57,909	62,874	56,266	56,086	57,259	63,357	72,107	67,376	73,665
Camarines Sur	129,142	151,709	164,073	165,467	167,111	181,907	191,949	216,439	201,574	215,738
Catanduanes	9,215	12,278	11,990	10,766	11,698	14,008	13,622	14,082	13,286	18,433
Masbate	31,314	34,104	32,400	30,506	29,721	28,551	30,755	39,666	38,550	39,150
Sorsogon	76,005	87,656	87,485	87,845	88,502	92,602	96,903	99,678	99,947	111,483
WESTERN VISAYAS	582,655	637,993	681,789	633,094	625,875	667,200	689,680	780,888	715,799	751,737
Aklan	74,979	89,629	98,341	89,407	86,801	107,733	133,231	130,398	117,792	133,696
Antique	25,721	29,924	33,829	32,543	33,407	35,650	39,869	45,375	43,150	46,821
Capiz	45,488	53,362	58,066	52,579	49,660	48,953	51,977	58,430	56,678	60,146
Guimaras	6,295	6,424	6,860	7,512	8,554	8,998	9,928	13,474	12,629	11,415
Iloilo	201,242	213,149	215,861	201,480	205,543	206,933	182,514	225,566	202,922	208,586
Negros Occidental	228,930	245,505	268,832	249,573	241,910	258,933	272,161	307,645	282,628	291,073
CENTRAL VISAYAS	817,916	903,150	895,435	889,416	828,573	879,853	1,052,472	1,160,980	1,172,274	1,213,966
Bohol	88,207	89,708	95,681	94,647	97,108	100,315	108,185	116,824	116,727	135,465
Cebu	634,159	706,224	690,326	675,069	608,586	654,897	804,026	881,597	908,114	928,402
Negros Oriental	90,049	101,140	103,432	113,218	116,397	117,456	133,310	154,614	142,017	145,595
Siquijor	5,501	6,078	5,996	6,482	6,482	7,185	6,951	7,945	5,416	4,504
EASTERN VISAYAS	229,274	230,186	237,742	228,098	242,959	271,287	287,690	342,596	337,466	340,126
Biliran	11,892	12,113	11,976	12,271	13,630	13,215	15,141	17,194	10,212	10,202
Eastern Samar	20,003	20,994	23,651	21,461	22,713	27,064	28,989	25,622	19,661	21,538
Leyte	126,707	124,354	128,025	121,623	127,483	156,257	162,906	200,097	215,705	208,460
Northern Samar	16,196	17,634	19,316	17,232	22,939	24,251	23,475	26,778	11,140	12,436
Samar	27,102	27,947	28,622	27,897	27,692	27,976	32,051	37,693	38,052	45,897
Southern Leyte	27,374	27,144	26,152	27,614	28,502	22,524	25,128	35,212	42,696	41,593
ZAMBOANGA PENINSULA	236,960	198,759	241,979	275,301	205,895	222,295	201,855	214,838	225,087	223,209
Zamboanga del Norte	36,034	35,506	39,067	39,003	41,389	46,010	49,202	57,417	67,220	70,050
Zamboanga del Sur	148,116	106,691	145,559	180,245	110,752	107,318	85,924	86,573	83,803	80,431
Zamboanga Sibugay	14,679	16,469	17,813	17,888	20,211	24,094	24,732	26,115	30,218	26,969
Zamboanga City	38,131	40,093	39,540	38,165	33,543	44,873	41,997	44,733	43,846	45,759
NORTHERN MINDANAO	383,209	430,918	437,845	463,252	475,177	482,976	494,261	508,864	554,537	523,444
Bukidnon	85,973	103,335	104,132	115,831	116,815	114,498	115,841	119,922	131,893	131,745
Camiguin	6,910	7,013	8,023	8,653	8,790	9,428	9,532	9,954	10,582	9,613
Lanao del Norte	41,978	44,012	44,015	41,514	43,749	44,833	45,877	45,662	46,549	47,054
Misamis Occidental	48,246	52,018	54,682	54,206	54,640	59,206	60,612	63,148	63,829	61,868
Misamis Oriental	200,102	224,540	226,993	243,048	251,183	255,011	262,399	270,178	301,684	273,164
DAVAO REGION	416,438	429,786	464,239	469,764	460,723	486,159	520,071	550,701	533,089	559,609
Davao del Norte	76,307	78,892	74,188	84,563	81,715	83,952	91,608	92,103	101,256	104,206
Davao del Sur	39,821	39,348	45,193	43,687	46,020	55,922	57,054	58,690	60,362	49,396
Davao City	225,750	234,878	270,327	266,253	258,989	269,172	291,041	307,543	280,458	309,617
Davao Oriental	36,005	32,722	33,997	33,173	33,434	37,459	37,696	39,387	39,541	39,231
Davao de Oro (Compostela Valley)	38,555	43,946	40,534	42,088	40,565	39,654	42,672	52,978	51,472	49,140
Davao Occidental	..	..	..	..	..	..	..	..	..	8,019
SOCCSKSARGEN	294,600	302,461	310,992	339,211	363,972	391,588	439,187	445,955	436,450	462,203
Cotabato (North Cotabato)	58,515	60,403	60,047	65,547	65,348	68,896	71,006	79,764	91,841	86,776
Sarangani	15,533	16,266	16,031	16,727	16,392	14,883	14,952	15,488	17,250	17,304
South Cotabato	194,339	197,978	205,557	226,856	251,984	278,982	324,822	319,266	293,732	322,518
Sultan Kudarat	26,213	27,814	29,357	30,081	30,248	28,827	28,407	31,437	33,627	35,605
CARAGA	149,758	153,102	146,385	157,382	168,325	180,510	213,160	204,984	214,699	200,943
Agusan del Norte	69,776	71,049	62,006	61,867	65,235	64,166	82,193	76,739	77,734	76,685
Agusan del Sur	30,541	29,544	31,838	37,851	44,156	50,286	56,408	57,768	56,340	47,067
Surigao del Norte	22,131	22,789	23,007	24,395	25,766	28,811	34,121	26,965	34,278	32,587
Surigao del Sur	27,310	29,720	29,534	33,269	32,964	36,808	39,968	42,959	45,914	44,112
Dinagat Islands	..	..	..	..	204	439	470	553	433	492
ARMM	10,187	7,370	13,379	7,455	10,136	13,129	12,002	10,002	9,476	11,715
Basilan	722	..	2,941	734	2,289	3,253	3,412	3,515	3,034	4,666
Lanao del Sur	..	..	..	..	..	..	..	..	..	..
Maguindanao	9,282	7,185	10,148	6,556	7,546	9,531	8,255	6,245	6,217	6,849
Sulu	183	185	290	165	301	345	335	242	225	200
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

Table 2.15.2
CHICKENS DRESSED IN DRESSING PLANTS BY GEOLOCATION
2010 to 2019
(In heads)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chicken										
PHILIPPINES	**375,961,105**	**432,180,374**	**455,484,702**	**466,150,308**	**471,711,098**	**508,242,629**	**568,165,300**	**630,920,419**	**727,949,529**	**766,842,249**
NCR	..	..	..	..	..	..	..	..	..	..
CAR	23,854	28,204	33,098	43,335	40,666	50,698	55,927	53,987	59,503	33,715
Abra	23,854	28,204	33,098	43,335	40,666	50,698	55,927	53,987	59,503	33,715
Apayao	..	..	..	..	..	..	..	..	..	..
Benguet	..	..	..	..	..	..	..	..	..	..
Ifugao	..	..	..	..	..	..	..	..	..	..
Kalinga	..	..	..	..	..	..	..	..	..	..
Mountain Province	..	..	..	..	..	..	..	..	..	..
ILOCOS REGION	29,768,904	30,714,187	32,229,426	33,483,148	27,341,331	26,024,802	29,131,786	30,876,225	31,887,555	30,272,009
Ilocos Norte	1,241,615	1,435,404	2,009,596	2,479,510	2,590,697	2,094,832	2,343,671	2,418,350	2,440,865	2,129,008
Ilocos Sur	..	..	..	..	..	..	..	..	32,070	88,780
La Union	13,220,008	12,935,918	13,122,818	13,594,451	11,064,927	11,606,793	13,195,982	15,053,787	14,361,289	15,595,670
Pangasinan	15,307,281	16,342,865	17,097,012	17,409,187	13,685,707	12,323,177	13,592,133	13,404,088	15,053,331	12,458,551
CAGAYAN VALLEY	20,682,228	24,210,717	24,261,343	23,365,979	22,872,255	20,923,334	21,677,275	21,847,287	22,132,823	21,005,949
Batanes	..	..	..	..	..	..	..	..	..	..
Cagayan	452,305	749,816	1,261,881	1,455,672	1,801,188	1,175,991	882,513	718,604	849,763	875,741
Isabela	20,199,492	23,444,866	22,999,462	21,910,307	21,071,067	19,747,343	20,794,762	21,128,683	21,283,060	20,130,208
Nueva Vizcaya	30,431	16,035	..	..	..	..	..	..	..	..
Quirino	..	..	..	..	..	..	..	..	..	..
CENTRAL LUZON	88,213,541	102,018,989	110,769,956	102,510,602	125,074,873	145,517,487	152,533,383	185,494,750	219,984,208	223,816,768
Aurora	..	..	..	..	..	..	..	..	..	..
Bataan	1,215,343	13,460,406	13,148,116	15,190,777	17,450,500	18,945,755	19,512,164	25,500,300	30,055,129	27,949,215
Bulacan	70,501,344	71,022,214	81,353,883	62,933,745	65,717,666	78,064,127	76,846,994	98,484,768	119,131,516	126,697,354
Nueva Ecija	13,405,195	14,160,892	12,877,219	13,527,411	15,446,431	14,138,773	12,759,486	13,937,496	12,785,922	15,919,730
Pampanga	251,774	249,959	252,482	4,321,849	7,205,380	16,205,294	26,529,929	28,926,013	35,760,124	33,703,946
Tarlac	..	..	..	2,778,236	15,243,356	15,113,675	16,639,762	17,693,489	22,088,985	19,213,445
Zambales	2,839,885	3,125,518	3,138,256	3,758,584	4,011,540	3,049,863	245,048	952,684	162,532	333,078
CALABARZON	70,723,815	78,257,087	82,735,815	80,194,667	75,552,081	75,872,731	88,767,402	99,851,510	122,406,551	135,404,046
Batangas	20,224,120	20,289,278	27,293,666	27,778,437	30,702,066	33,524,914	38,038,924	41,811,430	55,495,064	58,361,197
Cavite	10,280,325	10,447,631	10,045,452	9,964,518	7,621,550	7,700,187	8,512,181	8,119,387	7,800,440	7,651,648
Laguna	10,768,289	11,978,281	10,834,556	5,810,694	3,331,455	4,043,901	8,118,210	13,660,643	17,233,807	18,144,730
Quezon	27,357,416	28,633,916	27,081,641	28,415,915	24,477,032	24,022,838	26,985,914	27,402,045	32,817,114	38,875,979
Rizal	2,093,665	6,907,981	7,480,500	8,225,103	9,419,978	6,580,891	7,112,173	8,858,005	9,060,126	12,370,492
MIMAROPA	1,349,724	1,193,862	1,545,413	1,542,875	1,353,527	1,077,817	1,116,913	1,108,537	1,083,815	1,266,652
Marinduque	..	..	..	..	..	..	..	..	..	..
Occidental Mindoro	50,599	13,105	..	..	..	..	..	..	..	..
Oriental Mindoro	251,293	..	..	..	..	..	..	29,994	65,092	87,744
Palawan	1,047,832	1,180,757	1,545,413	1,542,875	1,353,527	1,077,817	1,116,913	1,078,543	989,448	1,100,111
Romblon	..	..	..	..	..	..	..	..	29,275	78,797
BICOL REGION	10,466,125	13,532,565	15,522,586	22,219,974	25,662,577	29,627,767	32,305,809	30,268,699	35,491,819	35,798,706
Albay	3,171,256	5,126,853	6,270,067	10,038,446	9,851,749	9,179,080	9,259,443	8,205,848	9,231,550	9,015,697
Camarines Norte	..	..	..	1,613,825	3,126,356	2,271,861	2,408,048	2,691,239	3,161,771	3,186,975
Camarines Sur	7,294,869	8,405,712	9,252,519	10,567,703	12,684,472	18,176,826	20,638,318	19,371,612	23,098,498	23,596,034
Catanduanes	..	..	..	..	..	..	..	..	..	..
Masbate	..	..	..	..	..	..	..	..	..	..
Sorsogon	..	..	..	..	..	..	..	..	..	..
WESTERN VISAYAS	24,093,295	28,489,650	29,277,124	33,526,330	26,733,252	31,866,086	36,172,499	40,272,081	44,962,421	46,695,946
Aklan	..	..	..	..	..	..	..	..	..	..
Antique	17,267	6,411	..	..	..	..	..	..	..	..
Capiz	3,336,947	4,148,745	4,057,881	3,990,765	1,859,140	4,485,380	4,738,513	4,601,053	4,987,541	4,838,389
Guimaras	..	..	..	..	..	..	..	..	..	..
Iloilo	12,098,284	14,183,124	15,336,099	16,174,566	12,711,563	14,666,915	18,743,712	22,617,757	25,378,039	28,141,290
Negros Occidental	8,640,797	10,151,370	9,883,144	13,360,999	12,162,549	12,713,791	12,690,274	13,053,271	14,596,841	13,716,267
CENTRAL VISAYAS	33,626,509	38,574,252	39,215,886	40,829,621	42,798,506	45,185,405	48,619,866	52,242,549	58,844,869	62,195,566
Bohol	3,731,796	6,091,350	8,612,701	8,700,424	10,467,800	11,920,788	12,935,089	14,613,243	16,115,709	16,720,226
Cebu	26,455,977	28,600,154	25,793,348	29,341,970	29,718,546	30,642,619	33,133,015	37,282,078	42,457,747	43,329,943
Negros Oriental	3,438,736	3,882,748	4,809,837	2,787,227	2,611,965	2,621,526	2,551,672	347,228	271,413	2,145,397
Siquijor	..	..	..	..	195	472	90	..	..	..
EASTERN VISAYAS	12,698,533	13,989,243	15,993,467	15,295,372	7,220,448	11,079,769	19,544,373	28,493,652	33,811,523	36,340,312
Biliran	961	2,990	3,954	4,829	..	..	..	..	..	..
Eastern Samar	..	..	..	..	..	48,400	10,590	..	..	..
Leyte	12,058,377	13,291,431	15,115,755	13,321,995	6,592,152	9,967,111	17,943,191	24,152,283	28,908,010	32,596,770
Northern Samar	52,898	..	..	..	..	..	..	34,680	3,000	10,384
Samar	..	..	873,758	1,968,548	628,296	1,064,258	1,583,992	4,306,689	4,900,513	3,733,158
Southern Leyte	586,297	694,822	..	..	..	..	6,600	..	..	..
ZAMBOANGA PENINSULA	7,779,138	8,514,624	8,519,714	9,805,456	9,997,470	10,719,711	12,367,498	13,636,857	13,371,777	14,830,022
Zamboanga del Norte	89,758	65,376	98,176	43,185	57,463	69,374	95,267	168,211	128,519	450,364
Zamboanga del Sur	1,063,371	1,105,331	1,065,060	1,291,407	1,234,806	1,379,249	2,935,544	4,018,245	4,680,915	5,420,007
Zamboanga Sibugay	32	42	996	279	126	127	270	255	..	730
Zamboanga City	6,625,977	7,343,875	7,355,482	8,470,585	8,705,075	9,270,961	9,336,417	9,450,146	8,562,343	8,958,921
NORTHERN MINDANAO	40,981,850	47,135,226	44,358,258	47,272,631	46,987,369	49,596,890	61,922,872	62,922,203	67,151,646	75,536,812
Bukidnon	950,842	987,853	915,763	958,516	583,056	621,198	617,394	496,308	565,418	565,418
Camiguin	..	..	..	..	..	..	..	..	..	..
Lanao del Norte	..	..	..	25	69	..	..	..	..	..
Misamis Occidental	3,842,799	4,167,587	4,353,204	5,520,204	5,647,848	5,304,480	5,054,713	5,327,446	5,962,969	6,463,940
Misamis Oriental	36,188,209	41,979,786	39,089,291	40,793,886	40,756,396	43,671,212	56,250,765	57,098,449	60,623,259	68,507,454
DAVAO REGION	20,335,795	25,519,211	28,981,828	32,309,763	31,498,890	33,085,748	34,244,629	33,491,845	40,382,671	45,572,611
Davao del Norte	43,574	24,339	21,550	26,820	19,427	14,568	19,190	20,382	36,166	43,014
Davao del Sur	..	..	17	..	459,177	1,453,831	1,127,807	1,572,171	2,605,658	5,700,679
Davao City	20,292,221	25,494,872	28,960,261	32,273,020	31,020,286	31,617,349	33,097,632	31,899,292	37,740,847	39,828,918
Davao Oriental	..	..	..	..	..	..	..	..	..	..
Davao de Oro (Compostela Valley)	..	..	..	9,923	..	..	..	..	..	..
Davao Occidental	..	..	..	..	..	..	..	..	..	..
SOCCSKSARGEN	11,866,934	16,343,327	18,295,238	19,524,402	23,242,439	22,518,954	24,226,214	24,344,250	29,542,101	31,790,580
Cotabato (North Cotabato)	..	..	..	..	..	..	..	..	..	..
Sarangani	..	..	..	..	..	..	..	..	..	..
South Cotabato	11,866,934	16,343,327	18,295,238	19,524,402	23,242,439	22,518,954	24,226,214	24,344,250	29,542,101	31,790,580
Sultan Kudarat	..	..	..	..	..	..	..	..	..	..
CARAGA	3,264,144	3,627,597	3,594,868	4,099,078	5,201,509	4,951,246	5,333,429	5,878,237	6,636,627	6,282,555
Agusan del Norte	3,264,144	3,627,597	3,594,868	3,950,078	4,360,478	4,445,464	4,503,076	4,969,740	5,798,098	5,557,825
Agusan del Sur	..	..	..	149,000	841,031	505,782	830,353	908,497	838,529	724,628
Surigao del Norte	..	..	..	..	..	..	..	..	..	..
Surigao del Sur	..	..	..	..	..	..	..	..	..	102
Dinagat Islands	..	..	..	..	..	..	..	..	..	..
ARMM	86,716	31,633	150,682	127,075	133,905	144,184	145,425	137,750	199,620	..
Basilan	..	..	..	..	..	..	..	..	..	..
Lanao del Sur	15,716	..	..	..	..	..	..	..	..	..
Maguindanao	71,000	17,733	12,682	..	..	..	..	..	..	..
Sulu	..	13,900	138,000	127,075	133,905	144,184	145,425	137,750	199,620	..
Tawi-tawi	..	..	..	..	..	..	..	..	..	..

.. Data not available
Source: Philippine Statistics Authority

Table 2.16.1
NUMBER OF CITES EXPORT PERMITS ISSUED
2010-2019

Taxonomic Group	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
A. Fauna										
Mammals	65	77	88	22	7	53	24	26	17	18
Insects	513	518	638	257	130	580	512	522	535	414
Birds	163	202	254	161	75	265	272	203	120	226
Reptiles	-	-	-	-	-	-	18	10	23	10
B. Flora	118	88	119	67	30	93	86	72	72	88
TOTAL	859	885	1,099	507	242	991	912	833	767	756

Note: *"-" means zero*

Source: DENR-Biodiversity Management Bureau

Table 2.16.2
NUMBER OF CITES IMPORT PERMITS ISSUED
2010-2019

Taxonomic Group	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
A. Fauna										
Mammals	10	6	11	6	2	22	17	30	20	25
Insects	-	-	-	-	-	-	-	-	-	-
Birds	53	35	57	25	14	52	84	20	28	65
Reptiles	42	82	86	50	45	233	237	214	212	265
B. Flora	5	4	4	1	1	-	-	3	-	6
TOTAL	110	127	158	82	62	307	338	267	260	361

Source: DENR-Biodiversity Management Bureau

Table 2.16.3
NUMBER OF CITES RE-EXPORT PERMITS ISSUED
2010-2019

Taxonomic Group	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
A. Fauna										
Mammals	-	-	-	-	-	-	-	-	-	3
Insects	-	-	-	-	-	-	-	-	-	-
Birds	-	-	-	-	-	-	9	9	14	14
Reptiles	111	204	187	33	25	92	62	38	49	18
B. Flora	-	-	-	-	-	-	-	9	2	-
TOTAL	111	204	187	33	25	92	71	56	65	35

Source: DENR-Biodiversity Management Bureau

Table 2.17.1
FERTILIZER PRODUCTION AND SALES
2010 to 2019
(In metric tons)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Production	258,184.8	181.6	934,464.0	335,826.8	298,689.0	27,405.0	259,723.0	147,235.7	238,623.3	349,208.1
Sales	1,003,827.6	507.2	1,086,464.7	390,906.4	1,912,987.5	202,732.0	306,276.0	250,086.5		516,243.2

Source: Fertilizer and Pesticide Authority
Note: Blank cell means no data available

Table 2.17.2
FERTILIZER IMPORTATION BY MAJOR GRADES
2010 to 2019
(In metric tons)

Fertilizer Grade	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Urea	946,295		711,552	418,852	1,009,814	782,338	1,038,709	957,587	952,324	868,421
21-0-0	494,985		404,236	169,444	495,140	460,931	505,023	554,384	552,871	519,620
16-20-0	102,596		69,652	49,440	196,524	125,054	193,244	240,165	221,035	259,784
18-46-0	137,235		116,743	47,263	136,662	102,741	117,057	133,500	119,523.38	94,497
14-14-14	48,207		30,021	25,415	114,127	103,563	159,441	228,678	241,449	239,294
0-0-60	182,026		128,599	57,288	220,034	146,600	220,333	204,301	213,555	238,677
TOTAL	1,911,344	11,435	1,460,803	767,702	2,172,301	1,721,226	2,233,807	2,318,615	2,300,757	2,220,293

Source: Fertilizer and Pesticide Authority
Note: Blank cell means no data available

Table 2.17.3
FERTILIZER EXPORTS BY MAJOR GRADES
2014 to 2019
(In metric tons)

Fertilizer Grade	2014	2015	2016	2017	2018	2019
Sulphate of Potash0-0-50	9,860.0	12,420.0	10,592.0	8,795.8	15,059.0	13,116.0
Muriate of Potash0-0-60	-	-	-	-	240.0	312.0
TOTAL	9,860.0	12,420.0	10,592.0	8,795.8	15,299.0	13,428.0

Note: *"-" means zero*

Source: Fertilizer and Pesticide Authority

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Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.1 2010 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry and	Mining and quarrying,	Electricity, gas, steam
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,891.35	8,267.00	110,808.00
Total	67,891.35	8,267.00	110,808.00
Return flows of water			
Total return flows	21,728.40	7,423.95	110,747.12
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			61.48
Transpiration	46,172.84		
Water incorporated into products		1,012.36	
TOTAL SUPPLY	135,792.59	16,703.31	221,616.61

Physical Water Use Table

	Agriculture, Forestry and	Mining and quarrying,	Electricity, gas, steam
Sources of Abstracted Water			
Inland water resources			
Surface water	66,879.94	7,894.80	110,747.12
Ground water	1,011.41	372.20	60.88
Total use abstracted water	67,891.35	8,267.00	110,808.00
Abstracted water			
Distributed water	9.89	169.31	0.61
Own-use	67,891.35	8,267.00	110,808.00
Total	67,901.24	8,436.31	110,808.61
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,792.59	16,703.31	221,616.61

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.1 2010 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				190,520.18	190,520.18
				3,572.17	3,572.17
				194,092.35	194,092.35
1,202.58					1,202.58
756.36	4,542.86				192,265.57
1,958.94	4,542.86				193,468.15
624.20	4,436.48	1,309.52			146,269.67
624.20					624.20
67.61	508.38				637.47
					46,172.84
					1,012.36
2,650.75	9,487.72	1,309.52		194,092.35	581,652.84

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,541.22	3,457.10				190,520.18
1,041.92	1,085.76				3,572.17
2,583.14	4,542.86		RENEQWAB		194,092.35
	402.00	620.77			1,202.58
67.61	4,542.86	688.75			192,265.57
67.61	4,944.86	1,309.52			193,468.15
				146,269.67	146,269.67
				637.47	637.47
				46,172.84	46,172.84
			1,012.36		1,012.36
2,650.75	9,487.72	1,309.52	1,012.36	193,079.99	581,652.84

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.2 2011 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,894.52	8,959.00	111,024.00
Total	67,894.52	8,959.00	111,024.00
Return flows of water			
Total return flows	21,729.60	8,033.94	110,963.00
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			61.59
Transpiration	46,175.39		
Water incorporated into products		1,095.54	
TOTAL SUPPLY	135,799.51	18,088.47	222,048.59

Physical Water Use Table

	Agriculture, Forestry	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water	66,882.93	8,555.64	110,963.00
Ground water	1,011.59	403.36	61.00
Total use abstracted water	67,894.52	8,959.00	111,024.00
Abstracted water			
Distributed water	10.47	170.47	0.59
Own-use	67,894.52	8,959.00	111,024.00
Total	67,904.99	9,129.47	111,024.59
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,799.51	18,088.47	222,048.59

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.2 2011 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				191,452.05	191,452.05
				3,625.47	3,625.47
				195,077.52	195,077.52
1,256.92					1,256.92
749.66	4,605.83				193,233.01
2,006.58	4,605.83				194,489.93
587.59	4,497.52	1,346.34			147,157.99
587.59					587.59
71.38	515.63				648.60
					46,175.39
					1,095.54
2,665.55	9,618.98	1,346.34		195,077.52	584,644.97

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,525.48	3,525.00				191,452.05
1,068.69	1,080.83				3,625.47
2,594.17	4,605.83				195,077.52
	407.32	668.06			1,256.92
71.38	4,605.83	678.28			193,233.01
71.38	5,013.15	1,346.34			194,489.93
				147,157.99	147,157.99
				648.60	648.60
				46,175.39	46,175.39
			1,095.54		1,095.54
2,665.55	9,618.98	1,346.34	1,095.54	193,981.98	584,644.97

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.3 2012 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture,	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,904.21	9,037.00	111,899.00
Total	67,904.21	9,037.00	111,899.00
Return flows of water			
Total return flows	21,732.70	8,100.15	111,837.52
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			62.09
Transpiration	46,181.99		
Water incorporated into products		1,104.57	
TOTAL SUPPLY	135,818.90	18,241.71	223,798.61

Physical Water Use Table

	Agriculture,	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water	66,892.41	8,630.13	111,837.52
Ground water	1,011.80	406.87	61.48
Total use abstracted water	67,904.21	9,037.00	111,899.00
Abstracted water			
Distributed water	10.48	167.71	0.61
Own-use	67,904.21	9,037.00	111,899.00
Total	67,914.69	9,204.71	111,899.61
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,818.90	18,241.71	223,798.61

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.3 2012 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				192,481.52	192,481.52
				3,659.70	3,659.70
				196,141.21	196,141.21
1,270.22					1,270.22
746.72	4,729.91				194,316.84
2,016.93	4,729.91				195,587.05
554.16	4,603.58	1,358.75			148,186.86
554.16					554.16
79.78	525.93				667.79
					46,181.99
					1,104.57
2,650.88	9,859.41	1,358.75		196,141.21	587,869.48

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,504.50	3,616.95				192,481.52
1,066.59	1,112.96				3,659.70
2,571.09	4,729.91				196,141.21
	399.60	691.81			1,270.22
79.78	4,729.91	666.93			194,316.84
79.78	5,129.51	1,358.75			195,587.05
				148,186.86	148,186.86
				667.79	667.79
				46,181.99	46,181.99
			1,104.57		1,104.57
2,650.88	9,859.41	1,358.75	1,104.57	195,036.65	587,869.48

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.4 2013 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture,	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,904.69	9,054.25	114,800.34
Total	67,904.69	9,054.25	114,800.34
Return flows of water			
Total return flows	21,733.23	8,123.88	114,737.27
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			63.72
Transpiration	46,183.11		
Water incorporated into products		1,107.80	
TOTAL SUPPLY	135,821.03	18,285.94	229,601.32

Physical Water Use Table

	Agriculture,	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water	66,892.29	8,646.61	114,737.27
Ground water	1,012.40	407.65	63.07
Total use abstracted water	67,904.69	9,054.25	114,800.34
Abstracted water			
Distributed water	11.64	177.43	0.65
Own-use	67,904.69	9,054.25	114,800.34
Total	67,916.34	9,231.68	114,800.99
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,821.03	18,285.94	229,601.32

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.4 2013 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				195,522.83	195,522.83
				3,710.01	3,710.01
				199,232.84	199,232.84
1,382.84					1,382.84
764.55	4,776.26				197,300.08
2,147.39	4,776.26				198,682.92
549.92	4,679.61	1,439.47			151,263.37
549.92					549.92
80.63	534.21				678.56
					46,183.11
					1,107.80
2,777.94	9,990.07	1,439.47		199,232.84	597,148.61

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,551.66	3,695.01				195,522.83
1,145.64	1,081.24				3,710.01
2,697.30	4,776.26				199,232.84
	437.56	755.56			1,382.84
80.63	4,776.26	683.91			197,300.08
80.63	5,213.81	1,439.47			198,682.92
				151,263.37	151,263.37
				678.56	678.56
				46,183.11	46,183.11
			1,107.80		1,107.80
2,777.94	9,990.07	1,439.47	1,107.80	198,125.04	597,148.61

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.5 2014 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture,	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,926.44	9,088.39	115,275.48
Total	67,926.44	9,088.39	115,275.48
Return flows of water			
Total return flows	21,740.81	8,173.22	115,212.14
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			64.05
Transpiration	46,199.23		
Water incorporated into products		1,114.53	
TOTAL SUPPLY	135,866.48	18,376.14	230,551.67

Physical Water Use Table

	Agriculture,	Mining and	Electricity, gas,
Sources of Abstracted Water			
Inland water resources			
Surface water	66,913.58	8,679.20	115,212.14
Ground water	1,012.86	409.18	63.33
Total use abstracted water	67,926.44	9,088.39	115,275.48
Abstracted water			
Distributed water	13.60	199.37	0.72
Own-use	67,926.44	9,088.39	115,275.48
Total	67,940.04	9,287.75	115,276.20
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,866.48	18,376.14	230,551.67

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.5 2014 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				196,118.85	196,118.85
				3,736.71	3,736.71
				199,855.56	199,855.56
1,541.22					1,541.22
813.21	4,641.92				197,745.42
2,354.43	4,641.92				199,286.65
568.91	4,602.32	1,574.77			151,872.19
568.91					568.91
80.01	525.56				669.62
					46,199.23
					1,114.53
3,003.35	9,769.79	1,574.77		199,855.56	598,997.76

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,661.50	3,652.43				196,118.85
1,261.84	989.49				3,736.71
2,923.34	4,641.92				199,855.56
	485.96	841.57			1,541.22
80.01	4,641.92	733.20			197,745.42
80.01	5,127.88	1,574.77			199,286.65
				151,872.19	151,872.19
				669.62	669.62
				46,199.23	46,199.23
			1,114.53		1,114.53
3,003.35	9,769.79	1,574.77	1,114.53	198,741.03	598,997.76

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.6 2015 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry	Mining and quarrying,	Electricity, gas, steam
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,928.02	9,930.68	115,275.48
Total	67,928.02	9,930.68	115,275.48
Return flows of water			
Total return flows	21,741.55	8,919.60	115,212.14
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			64.07
Transpiration	46,200.79		
Water incorporated into products		1,216.31	
TOTAL SUPPLY	135,870.36	20,066.59	230,551.69

Physical Water Use Table

	Agriculture, Forestry	Mining and quarrying,	Electricity, gas, steam
Sources of Abstracted Water			
Inland water resources			
Surface water	66,915.10	9,483.57	115,212.14
Ground water	1,012.91	447.11	63.33
Total use abstracted water	67,928.02	9,930.68	115,275.48
Abstracted water			
Distributed water	14.33	205.23	0.73
Own-use	67,928.02	9,930.68	115,275.48
Total	67,942.34	10,135.91	115,276.21
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,870.36	20,066.59	230,551.69

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.6 2015 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				197,018.60	197,018.60
				3,807.28	3,807.28
				200,825.87	200,825.87
1,659.12					1,659.12
837.66	4,610.36				198,582.19
2,496.78	4,610.36				200,241.31
584.56	4,600.35	1,679.66			152,737.87
584.56					584.56
81.98	524.86				670.90
					46,200.79
					1,216.31
3,163.31	9,735.58	1,679.66		200,825.87	601,893.06

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,713.89	3,693.89				197,018.60
1,367.45	916.48				3,807.28
3,081.34	4,610.36				200,825.87
	514.85	923.98			1,659.12
81.98	4,610.36	755.68			198,582.19
81.98	5,125.22	1,679.66			200,241.31
				152,737.87	152,737.87
				670.90	670.90
				46,200.79	46,200.79
			1,216.31		1,216.31
3,163.31	9,735.58	1,679.66	1,216.31	199,609.56	601,893.06

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.7 2016 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry	Mining and quarrying,	Electricity, gas, steam
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,935.31	10,565.25	115,275.48
Total	67,935.31	10,565.25	115,275.48
Return flows of water			
Total return flows	21,744.31	9,491.89	115,210.79
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			65.47
Transpiration	46,206.66		
Water incorporated into products		1,294.35	
TOTAL SUPPLY	135,886.28	21,351.49	230,551.74

Physical Water Use Table

	Agriculture, Forestry	Mining and quarrying,	Electricity, gas, steam
Sources of Abstracted Water			
Inland water resources			
Surface water	66,924.70	10,000.44	115,210.79
Ground water	1,010.61	564.81	64.69
Total use abstracted water	67,935.31	10,565.25	115,275.48
Abstracted water			
Distributed water	15.67	220.99	0.78
Own-use	67,935.31	10,565.25	115,275.48
Total	67,950.97	10,786.24	115,276.26
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,886.28	21,351.49	230,551.74

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.7 2016 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				197,564.61	197,564.61
				3,963.75	3,963.75
				201,528.35	201,528.35
1,844.98					1,844.98
886.65	4,405.50				199,068.18
2,731.62	4,405.50				200,913.16
615.19	4,470.78	1,835.44			153,368.41
615.19					615.19
82.89	510.57				658.93
					46,206.66
					1,294.35
3,429.71	9,386.85	1,835.44		201,528.35	603,969.86

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
1,859.11	3,569.57				197,564.61
1,487.70	835.94				3,963.75
3,346.82	4,405.50				201,528.35
	575.85	1,031.69			1,844.98
82.89	4,405.50	803.76			199,068.18
82.89	4,981.35	1,835.44			200,913.16
				153,368.41	153,368.41
				658.93	658.93
				46,206.66	46,206.66
			1,294.35		1,294.35
3,429.71	9,386.85	1,835.44	1,294.35	200,234.00	603,969.86

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.8 2017 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry and	Mining and quarrying,	Electricity, gas, steam and air-
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,963.01	15,850.84	120,326.90
Total	67,963.01	15,850.84	120,326.90
Return flows of water			
Total return flows	21,753.86	14,156.86	120,262.21
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			65.52
Transpiration	46,226.95		
Water incorporated into products		1,930.48	
TOTAL SUPPLY	135,943.82	31,938.18	240,654.64

Physical Water Use Table

	Agriculture, Forestry and	Mining and quarrying,	Electricity, gas, steam and air-
Sources of Abstracted Water			
Inland water resources			
Surface water	66,945.89	15,270.91	120,262.21
Ground water	1,017.12	579.93	64.69
Total use abstracted water	67,963.01	15,850.84	120,326.90
Abstracted water			
Distributed water	17.81	236.50	0.83
Own-use	67,963.01	15,850.84	120,326.90
Total	67,980.81	16,087.34	120,327.74
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,943.82	31,938.18	240,654.64

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.8 2017 Physical Supply and Use Table *(concluded)*

Water collection,	Other Industries	Households	Accumulation	Flows from the	Total Supply
				208,168.01	208,168.01
				4,035.06	4,035.06
				212,203.06	212,203.06
2,034.81					2,034.81
934.03	4,343.76				209,418.54
2,968.83	4,343.76				211,453.35
749.72	4,471.04	1,991.39			163,385.08
749.72					749.72
84.14	510.89				660.55
					46,226.95
					1,930.48
3,802.69	9,325.69	1,991.39		212,203.06	635,859.47

Water collection,	Other Industries	Households	Accumulation	Flows to the	Total Use
2,101.95	3,587.04				208,168.01
1,616.60	756.72				4,035.06
3,718.55	4,343.76				212,203.06
	638.17	1,141.50			2,034.81
84.14	4,343.76	849.89			209,418.54
84.14	4,981.93	1,991.39			211,453.35
				163,385.08	163,385.08
				660.55	660.55
				46,226.95	46,226.95
			1,930.48		1,930.48
3,802.69	9,325.69	1,991.39	1,930.48	210,272.58	635,859.47

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.9 2018 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry and Fishing	Mining and quarrying, manufacturing,	Electricity, gas, steam and air-
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,968.74	16,124.12	122,457.01
Total	67,968.74	16,124.12	122,457.01
Return flows of water			
Total return flows	21,756.47	14,413.52	122,392.32
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			65.63
Transpiration	46,232.49		
Water incorporated into products		1,965.48	
TOTAL SUPPLY	135,957.69	32,503.11	244,914.96

Physical Water Use Table

	Agriculture, Forestry and Fishing	Mining and quarrying, manufacturing,	Electricity, gas, steam and air-
Sources of Abstracted Water			
Inland water resources			
Surface water	66,949.86	15,537.01	122,392.32
Ground water	1,018.87	587.10	64.69
Total use abstracted water	67,968.74	16,124.12	122,457.01
Abstracted water			
Distributed water	20.22	254.88	0.94
Own-use	67,968.74	16,124.12	122,457.01
Total	67,988.96	16,378.99	122,457.95
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,957.69	32,503.11	244,914.96

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.9 2018 Physical Supply and Use Table *(concluded)*

Water collection, treatment	Other Industries (including	Households	Accumulation	Flows from the environment	Total Supply
				210,627.47	210,627.47
				4,071.32	4,071.32
				214,698.79	214,698.79
2,193.25					2,193.25
960.11	4,237.54				211,747.51
3,153.36	4,237.54				213,940.76
758.03	4,392.55	2,132.35			165,845.23
758.03					758.03
87.77	502.19				655.59
					46,232.49
					1,965.48
3,999.16	9,132.28	2,132.35		214,698.79	643,338.34

Water collection, treatment	Other Industries (including	Households	Accumulation	Flows to the environment	Total Use
2,216.70	3,531.58				210,627.47
1,694.69	705.96				4,071.32
3,911.39	4,237.54				214,698.79
	657.20	1,260.02			2,193.25
87.77	4,237.54	872.34			211,747.51
87.77	4,894.74	2,132.35			213,940.76
				165,845.23	165,845.23
				655.59	655.59
				46,232.49	46,232.49
			1,965.48		1,965.48
3,999.16	9,132.28	2,132.35	1,965.48	212,733.31	643,338.34

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.10 2019 Physical Supply and Use Table

Physical Water Supply Table

	Agriculture, Forestry and	Mining and quarrying,	Electricity, gas, steam and
Sources of Abstracted Water			
Inland water resources			
Surface water			
Ground water			
Total supply abstracted water			
Abstracted water			
For distribution			
For own-use	67,982.77	17,680.48	124,009.47
Total	67,982.77	17,680.48	124,009.47
Return flows of water			
Total return flows	21,760.46	15,777.41	123,941.34
of which: Losses in distribution			
Evaporation of abstracted water, transpiration and water incorporated into			
Evaporation of abstracted water			69.11
Transpiration	46,240.97		
Water incorporated into products		2,151.46	
TOTAL SUPPLY	135,984.20	35,609.35	248,019.91

Physical Water Use Table

	Agriculture, Forestry and	Mining and quarrying,	Electricity, gas, steam and
Sources of Abstracted Water			
Inland water resources			
Surface water	66,968.20	16,884.45	123,941.34
Ground water	1,014.57	796.02	68.13
Total use abstracted water	67,982.77	17,680.48	124,009.47
Abstracted water			
Distributed water	18.65	248.39	0.98
Own-use	67,982.77	17,680.48	124,009.47
Total	68,001.42	17,928.87	124,010.44
Return flows of water			
Total return flows			
Evaporation of abstracted water, transpiration and water incorporated into			
Evaporation of abstracted water			
Transpiration			
Water incorporated into products			
TOTAL USE	135,984.20	35,609.35	248,019.91

Source: Philippine Statistics Authority
Note: Gray cells are null by default. Blank cells mean no value.

Water Accounts of the Philippines
Unit: In million cubic meters

Table 2.18.10 2019 Physical Supply and Use Table *(concluded)*

Water collection, treatment	Other Industries (including	Households	Accumulation	Flows from the environment	Total Supply
				213,619.18	213,619.18
				4,341.36	4,341.36
				217,960.54	217,960.54
2,243.99					2,243.99
1,001.88	4,311.64				214,986.24
3,245.87	4,311.64				217,230.23
730.32	4,499.12	2,181.35			168,889.98
730.32					730.32
95.15	513.88				678.13
					46,240.97
					2,151.46
4,071.33	9,324.64	2,181.35		217,960.54	653,151.31

Water collection, treatment	Other Industries (including	Households	Accumulation	Flows to the environment	Total Use
2,215.97	3,609.23				213,619.18
1,760.22	702.42				4,341.36
3,976.18	4,311.64				217,960.54
	701.36	1,274.62			2,243.99
95.15	4,311.64	906.73			214,986.24
95.15	5,013.00	2,181.35			217,230.23
				168,889.98	168,889.98
				678.13	678.13
				46,240.97	46,240.97
			2,151.46		2,151.46
4,071.33	9,324.64	2,181.35	2,151.46	215,809.08	653,151.31

Table 2.19
NUMBER OF WATER PERMITS ISSUED AND VOLUME OF WATER ALLOCATED BY WATER USE
2010-2019
(In number of permits and million cubic meters (mcm))

Water Use	2010		2011		2012		2013		2014	
	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)
Total	20,261	193,923	20,573	194,918	20,793	195,987	21,108	199,081	21,459	199,706
Municipal	6,743	6,317	6,918	6,386	7,040	6,467	7,191	6,597	7,393	6,662
Industrial	1,493	8,267	1,525	8,959	1,556	9,037	1,611	9,054	1,688	9,088
Irrigation	10,350	66,951	10,358	66,964	10,376	66,979	10,382	66,981	10,388	67,005
Power	251	110,808	269	111,024	273	111,899	285	114,800	291	115,275
Fisheries	483	753	484	753	484	753	484	753	484	753
Livestock	186	18	189	18	191	18	195	19	198	19
Recreational	210	247	228	246	234	255	251	258	259	260
Others	545	562	602	568	639	579	709	618	758	643

Source: National Water Resources Board

Water Use	2015		2016		2017		2018		2019	
	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)	Water Permit Issued (No.)	Volume of Water Allocated (mcm/yr)
Total	21,702	200,676	21,963	201,377	22,203	212,053	22,417	214,550	22,781	216,852
Municipal	7,516	6,747	7,619	6,795	7,735	7,097	7,842	7,181	8,005	7,293
Industrial	1,736	9,931	1,812	10,565	1,869	15,851	1,908	16,124	1,973	9,806
Irrigation	10,391	67,006	10,396	67,011	10,400	67,041	10,409	67,047	10,458	67,078
Power	291	115,275	291	115,275	297	120,327	305	122,457	315	131,060
Fisheries	484	753	484	753	484	753	484	753	484	584
Livestock	203	19	214	19	215	19	215	19	227	20
Recreational	265	261	274	265	278	266	290	267	304	268
Others	816	684	873	692	925	699	964	702	1,015	743

Source: National Water Resources Board

Table 2.20
SUMMARY OF WATER PERMIT GRANTS BY WATER SOURCE, TYPE, USE, AND REGION
As of December 2019
(In number of permits and million cubic meters (mcm))

WR Region	Type	Total		Municipal		Industrial		Irrigation	
		No.	mcm	No.	mcm	No.	mcm	No.	mcm
Total		**22,781**	**216,849**	**8,005**	**7,293**	**1,973**	**9,806**	**10,458**	**67,078**
Sub-total	GW	12,578	4,259	7,492	2,241	1,604	692	1,928	962
	SW	10,203	212,590	513	5,052	369	9,113	8,530	66,117
I	GW	906	330	512	237	60	8	226	73
	SW	1,369	14,848	132	128	34	78	1,145	3,444
II	GW	362	84	197	46	13	5	139	30
	SW	1,516	44,500	21	5	11	27	1,427	9,373
III	GW	2,188	752	1,136	387	298	114	549	221
	SW	1,005	36,950	32	1,191	29	4,367	901	16,174
NCR	GW	1,496	190	1,123	137	212	43	15	3
	SW	21	540	5	157	2	10	12	364
IV	GW	3,070	903	1,811	484	549	197	227	103
	SW	1,576	30,892	98	2,798	67	934	1,287	7,466
V	GW	413	242	274	117	24	83	84	39
	SW	769	3,917	25	52	27	35	668	2,970
VI	GW	705	317	322	144	94	40	116	92
	SW	1,051	8,378	31	145	41	290	791	4,961
VII	GW	1,293	377	840	155	121	73	160	88
	SW	576	5,074	30	82	38	1,364	434	1,707
VIII	GW	275	91	183	54	29	15	37	16
	SW	536	6,262	44	65	23	195	443	2,521
IX	GW	156	39	114	28	20	4	3	3
	SW	212	1,808	10	22	8	205	164	1,181
X	GW	817	287	598	135	96	74	59	54
	SW	604	34,516	50	144	44	1,148	452	4,693
XI	GW	419	241	217	118	49	24	91	86
	SW	476	7,051	25	142	25	351	383	4,579
XII	GW	478	406	165	198	39	12	222	153
	SW	492	17,855	10	120	20	108	423	6,685

Notes:
- no data
WR - Water resource
GW - Groundwater
SW - Surface water
Source: National Water Resources Board

Power		Fisheries		Livestock		Recreation		Others	
No.	mcm	No.	mcm	No.	mcm	No.	mcm	No.	mcm
315	**131,060**	**484**	**583**	**227**	**18**	**304**	**267**	**1,015**	**743**
11	75	108	57	221	18	266	101	948	112
304	130,985	376	527	6	-	38	166	67	630
-	-	2	-	1	-	26	1	79	11
44	11,137	5	1	-	-	1	-	8	60
-	-	-	-	9	-	2	-	2	2
42	35,086	7	9	5	-	1	-	2	-
-	-	6	2	50	3	27	5	122	19
10	15,202	30	8	-	-	2	1	1	7
-	-	-	-	5	-	1	-	140	7
1	5	-	-	-	-	1	4	-	-
8	55	9	1	115	6	113	28	238	28
45	18,959	42	314	1	-	14	53	22	368
-	-	2	-	-	-	11	3	18	-
24	781	11	6	-	-	8	68	6	6
-	-	36	29	5	-	21	2	111	9
30	2,843	148	70	-	-	2	2	8	66
1	11	39	16	5	-	14	13	113	21
16	1,854	52	30	-	-	5	37	1	1
-	-	-	-	-	-	9	4	17	3
8	3,477	8	1	-	-	1	0	9	2
1	4	1	-	2	-	6	1	9	-
6	340	24	59	-	-	-	-	-	-
1	6	4	-	7	2	25	14	27	2
42	28,412	12	6	-	-	-	-	4	113
-	-	5	7	11	-	-	-	46	6
17	1,963	25	15	-	-	-	-	1	2
-	-	4	2	11	7	11	32	26	3
19	10,926	12	8	-	-	3	1	5	7

Component Three

Residuals

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COMPONENT THREE

RESIDUALS

This component contains statistics on the amount and characteristics of residuals generated by human production and consumption processes, their management, and their final release to the environment. Residuals are flows of solid, liquid and gaseous materials, and energy that are discarded, discharged or emitted by establishments and households through processes of consumption, production or accumulation. The impacts and effects of residuals on human and ecosystem health differ based on one's nature scale and environmental dynamics (United Nations [UN], 2013)[6].

The volume of residuals released and its characteristics such as type, source, location, and trends over time have different impacts both on humans and the environment. Thus, environment statistics on residuals can be used for evidence-based policy making, particularly to environmental regulations to mitigate its impact.

Statistics gathered for Component Three are useful in compiling environmental accounts following the System of Environmental-Economic Accounting 2012 – Central Framework (SEEA-CF). In particular, statistics on residuals are key elements in accounting for emissions to air and emissions to water (effluents). These statistics also form part of supply and use accounts for water resources as well as material flow accounts.

Statistics compiled under this component may help provide indicators to achieve the following Sustainable Development Goals (SDGs): SDG 2 – to end hunger, achieve food security and improved nutrition, and promote sustainable agriculture; SDG 6 – to ensure availability and sustainable management of water and sanitation for all; SDG 9 – to build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation; SDG 11 – to make cities and human settlements inclusive, safe, resilient and sustainable; SDG 12 – to ensure sustainable consumption and production patterns; and SDG 13 – to take urgent action to combat climate change and its impacts (UN, 2019).

Component Three covers four subcomponents, namely: emissions to air; generation and management of wastewater; generation and management of waste; and release of chemical substances. The Compendium of Philippine Environment Statistics (CPES), covering the period 2010 to 2019, compiled 14 out of the 19 core statistics. In addition to the core statistics, four Tier 2 statistics are also included in Component Three for this publication.

[6] Framework for the Development of Environment Statistics (FDES) 2013

3.1 Emissions to Air

According to the FDES 2013, emissions to air are gaseous and particulate substances released to the atmosphere by establishments and households as results of production, consumption, and accumulation processes. The subcomponent covers the sources and quantities emitted by the substance. Air emissions can be directly measured or estimated using activity data and emission factors. Results of emissions are estimated as inventories by type of source, by process, and by economic activity. The statistics on emissions to air can be used to define the maximum allowable level of emission as well as to inform the impacts of air pollution to humans.

There are three topics under Emissions to Air, namely: 1) Emissions of greenhouse gases; 2) Consumption of ozone depleting substances; and 3) Emissions of other substances. Statistics on emissions of greenhouse gases and ozone depleting substances are collected while statistics on emissions of other substances still needs to be compiled when data become available. This includes particulate matters that can be harmful beyond the potential impact of dust, heavy metals, and other substances that are linked to environmental and health problems.

3.1.1 Emissions of Greenhouse Gases

Greenhouse gases (GHGs) are substances that absorb infrared radiation and contribute to the increase in temperature of the Earth's surface and the lower atmosphere. Emissions of GHGs include statistics on direct GHGs such as carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O); as well as indirect GHGs such as sulphur dioxide (SO2), nitrogen oxides (NOx), and non-methane volatile organic compounds (NMVOCs).

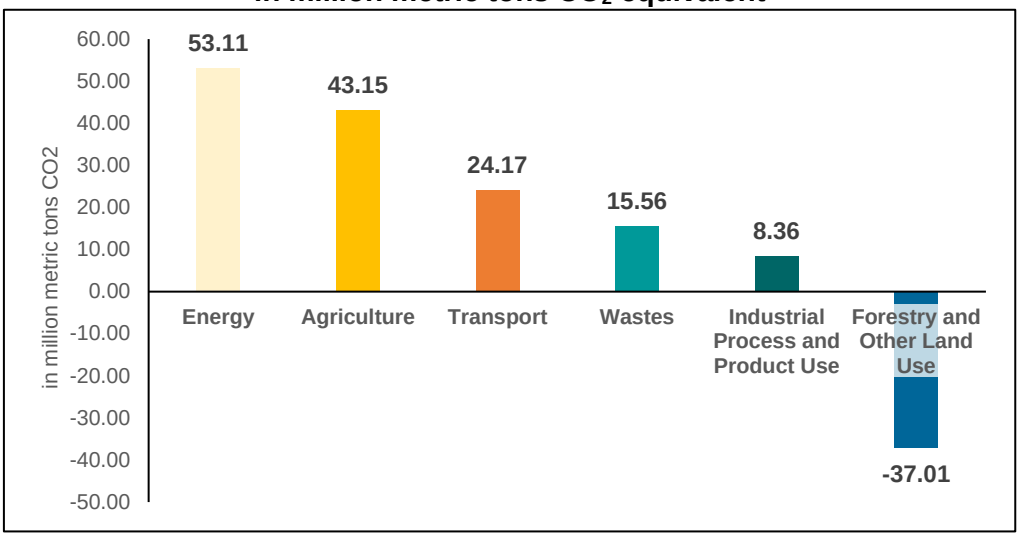
GHG emission inventories are compiled based on the guidelines developed by the Intergovernmental Panel on Climate Change, under the auspices of the United Nations Framework Convention on Climate Change (UNFCCC). The GHG inventory presents the contribution of six (6) key sectors to the country's emissions and removals, namely: 1) Energy; 2) Transport, which was recently separated from the energy sector; 3) Agriculture; 4) Forestry and other Land Use (FOLU); 5) Industrial Processes and Product Use (IPPU); and 6) Waste. Information on the anthropogenic emissions and removals of GHGs is essential in determining mitigation and adaptation measures in support to SDG 13: Climate Action. Similarly, sectoral GHG inventories provide information on monitoring sustainable agriculture (SDG 2.4.1) and carbon dioxide emission per unit of value added (SDG 9.4.1).

The Philippines reported an initial GHG Inventory for 1994, followed by updates on the GHG inventory in 2000, both of which were included in the previous CPES editions. This publication includes an update to the GHG inventory for 2010. Three of the five core statistics are reported under this topic: Carbon dioxide (CO_2), Methane (CH_4), and Nitrous Oxide (N_2O). The methodologies, assumptions, and default data used in the 2010 inventory are consistent with the 2006 IPCC Guidelines. The 2010 National Greenhouse Gas Inventory is based on the sectoral inventory reports from the lead agencies, including the Department of Energy for energy; Department of Environment and Natural Resources for waste, industrial process, and forestry; Philippine Statistics Authority for agriculture; and is consolidated by the Climate Change Commission (CCC).

In 2010, the country's GHG emissions amounted to a total of 107.35 million metric tons of carbon dioxide equivalent (CO_2e)[7]. The GHG emissions from non-forestry and land use (FOLU) sectors summed to a total of 144.35 million metric tons of CO_2e while the FOLU sector sequestered 37.01 million metric tons of CO_2e. (Figure 3.1)

[7] The Global Warming Potential (GWP) was developed to allow comparisons of the global warming impacts of different gases. Specifically, it is a measure of how much energy the emissions of 1 ton of a gas will absorb over a given period of time, relative to the emissions of 1 ton of carbon dioxide (CO_2).

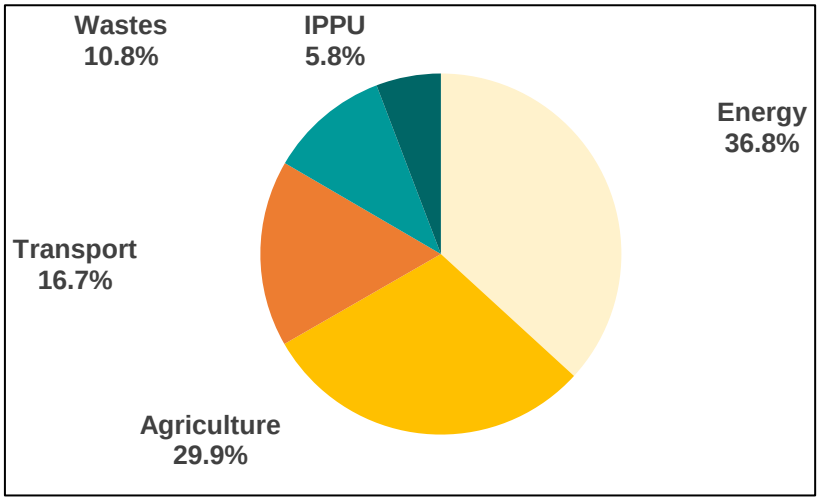
Figure 3.1: Philippine GHG Emissions and Removals by Sector in 2010, in million metric tons CO_2 equivalent



Source: Climate Change Commission

The energy sector contributed 36.8 percent to the total GHG emissions from non-FOLU sectors. Energy industries, manufacturing industries and construction, solid fuels and oil and natural gas are the subcategories under the energy sector. The agriculture sector, on the other hand, had the second largest share (29.9%) to the total non-FOLU GHG emissions in the country. Sources of GHG emissions under the agriculture sector include rice cultivation, enteric fermentation and manure management of livestock and poultry, management of agricultural soils, and burning in croplands and grasslands. The transport sector had the third largest contribution of 16.8 percent. This sector includes road transport, water-borne navigation, and domestic aviation. (Figure 3.2)

Figure 3.2: Percent Share of GHG Emissions from Non-FOLU Sectors in 2010



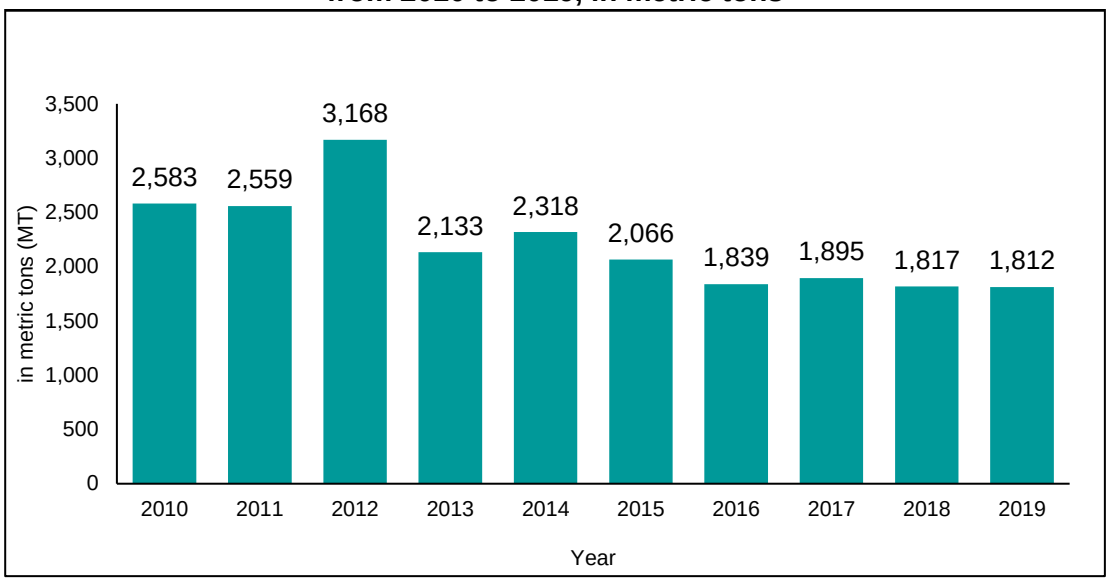
Source: Climate Change Commission

3.1.2 Consumption of Ozone Depleting Substances

Ozone Depleting Substances (ODS) are chemicals that destroy the earth's protective ozone layer. The consumption of ODS covers statistics on Chlorofluorocarbons (CFCs), Hydrochlorofluorocarbons (HCFCs), Halons, Methyl chloroform, Carbon tetrachloride, Methyl bromide, and other ODS. According to the Philippine Ozone Desk of the Department of Environment and Natural Resources (DENR) – Environmental Management Bureau (EMB), the Montreal Protocol on Substances that Deplete the Ozone Layer is an international treaty designed to protect the ozone layer by phasing out the production of numerous substances responsible for ozone depletion. In September 1988, the Philippines signed

the Montreal Protocol and ratified it in March 1993. The Philippines' commitment to the Montreal Protocol is to gradually phase out its consumption of ODS. According to the Environmental Management Bureau, ODS such as carbon tetrachloride and methyl chloroform, halons, and CFCs were phased out since 1996, 1999, and 2010, respectively.

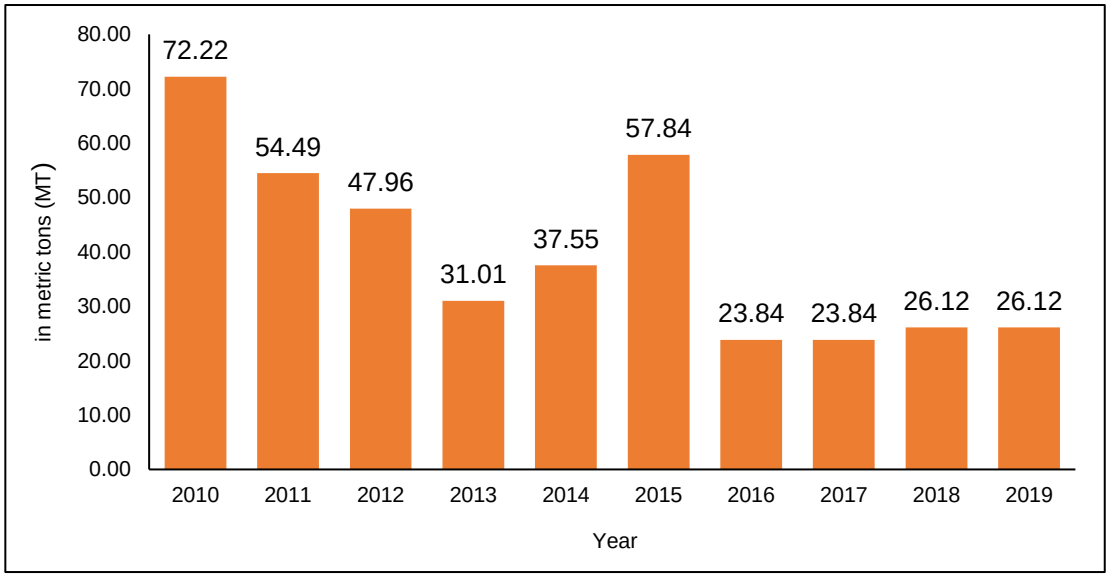
Figure 3.3: Consumption of Hydrochlorofluorocarbons (HCFCs) from 2010 to 2019, in metric tons



Source: Environmental Management Bureau, DENR

Refrigeration, air conditioning, foam blowing, solvents, aerosols, and fire suppression are all applications for HCFCs. The consumption of HCFCs has been gradually decreasing from 2010 to 2019, as shown in Figure 3.3. The highest consumption of HCFCs was 3,168.50 metric tons in 2012, while the lowest was 1,812.11 metric tons in 2019.

Figure 3.4: Consumption of Methyl Bromide from 2010 to 2019, in metric tons



Source: Environmental Management Bureau, DENR

Methyl bromide, on the other hand, is an odourless and colorless gas that is used to control a wide variety of pests in agriculture and shipping such as fungi, weeds, insects, nematodes, and rodents.

Figure 3.4 shows that the highest consumption of methyl bromide was recorded in 2010, reaching 72.22 metric tons followed by 57.84 metric tons in 2015. On the other hand, the lowest amount, 23.84 metric tons, was reported in 2016 and 2017.

3.2 Generation and Management of Wastewater

As defined in the FDES 2013, wastewater is discarded water no longer required by the owner or user. They are either discharged into sewers, received by treatment facilities, discarded to the environment or reused without prior treatment. Information on the generation, management and discharge of wastewater can aid in the assessment and policy formulation with regard to wastewater volume and pollution levels. Furthermore, these statistics are essential in compiling asset and flow accounts for water resources – in turn, showing a complete picture of the supply and use of water between the environment and the economy. Statistics on wastewater generation and treatment also serve as input in calculating indicator 6.3.1 – Proportion of wastewater safely treated under SDG 6: Clean Water and Sanitation.

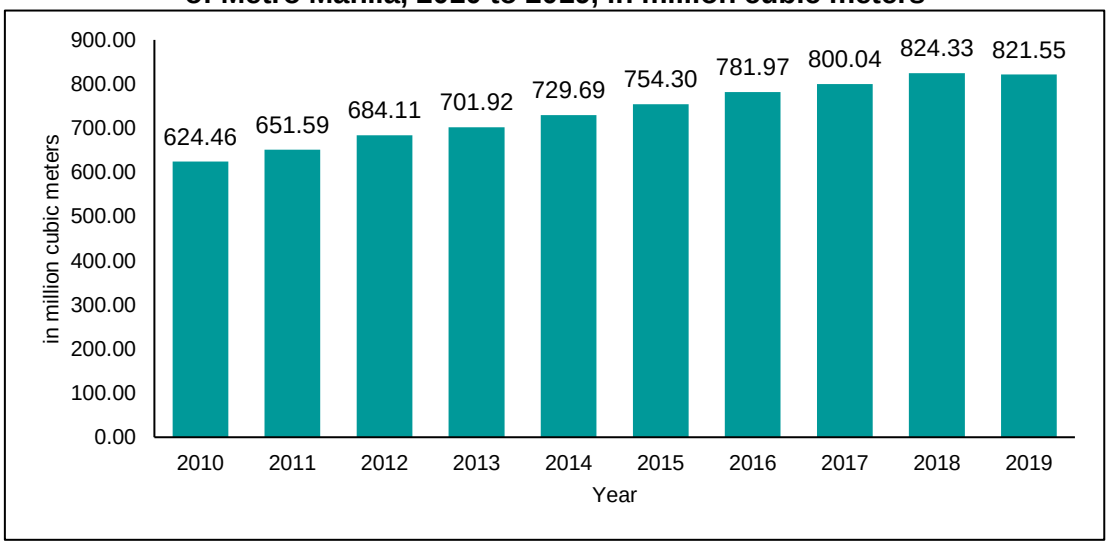
Ideally, the coverage of reporting is at the national level. However, due to limitations on data availability, statistics under this subcomponent cover only the East and West Zones of Metro Manila serviced by the two water concessionaires: Manila Water Company, Inc. and Maynilad Water Services, Inc.

3.2.1 Generation and Pollutant Content of Wastewater

This topic includes statistics on the volume of water that is no longer required, thus discarded by the user and statistics on the amount of pollutants contained in wastewater before collection. Volume of wastewater generated, a core statistic, is included in the CPES as reported by Manila Water and Maynilad. The data on wastewater generated is estimated using a generally accepted return rate of 80 percent of the total water produced. Meanwhile, pollutant content in wastewater, a tier 2 statistic, is not yet included in this compilation. Essentially, this can be estimated by applying technological parameters, such as the amount of pollutant per unit volume of wastewater from a specific activity or source.

The volume of wastewater generated increased from 624.46 million cubic meters in 2010 to 821.55 million cubic meters in 2019 for the east and west zones of Metro Manila, collectively. (Figure 5)

Figure 3.5: Volume of Wastewater Generated in the East and West Zones of Metro Manila, 2010 to 2019, in million cubic meters



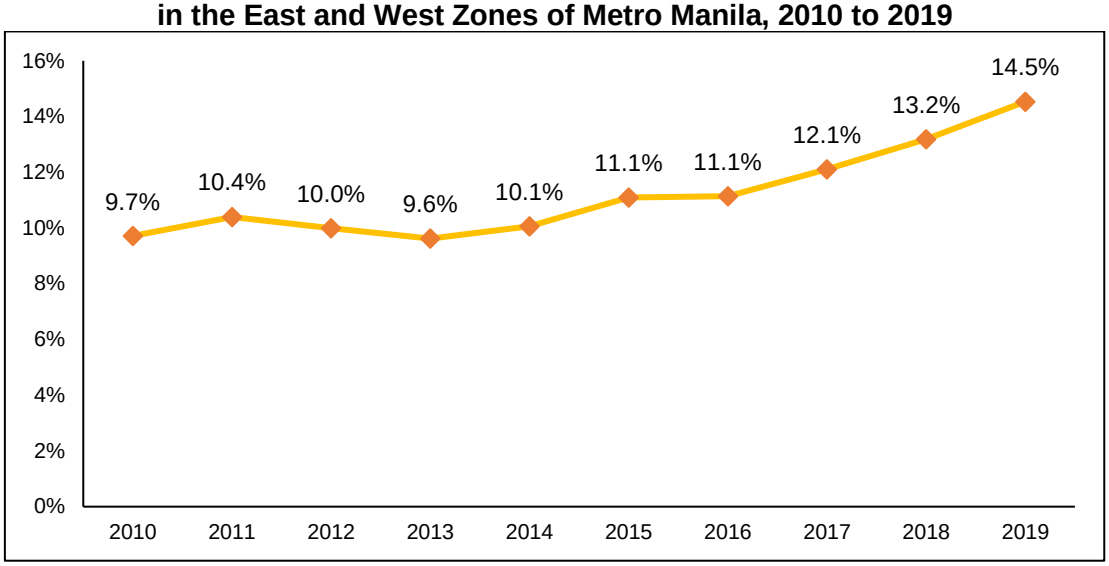
Source: Manila Water Company, Inc. and Maynilad Water Services, Inc.

3.2.2 Collection and Treatment of Wastewater

Wastewater may be discharged directly to the environment or may first be collected in sewerage systems and treated in wastewater treatment plants prior to discharge. This topic focuses on the collection and treatment of wastewater which may be treated before being discharged or directly discharged to the environment. This may involve statistics that describe the volume of water collected and transferred to treatment facilities or final place of discharge, volume of water treated by type of treatment (primary, secondary and tertiary), and physical infrastructure related to wastewater collection and treatment such as number of treatment plants and their capacities.

The percentage of wastewater collected and treated relative to the amount of wastewater generated exhibited an increasing trend during the ten-year period. From 9.7 percent in 2010, the percentage of wastewater collected and treated grew to 14.5 percent in 2019 for the east and west zones of Metro Manila, collectively. (Figure 3.6)

Figure 3.6: Percent Share of Treated Wastewater to Wastewater Generated in the East and West Zones of Metro Manila, 2010 to 2019



Source: Manila Water Company, Inc. and Maynilad Water Services, Inc.

3.2.3 Discharge of Wastewater to the Environment

This topic for this subcomponent is the discharge of wastewater to the environment which captures information at the stage of final discharge of wastewater to the environment. This involves statistics on the total volume of wastewater discharged to the environment without treatment and after treatment. This may be by type of treatment and type of treatment facility (public, private, municipal, and industrial) and statistics on pollutant content of discharged wastewater.

According to Maynilad, wastewater discharged without treatment is estimated by taking the difference between wastewater generated and wastewater treated. As shown in Figure 3.6 above, the percentage of wastewater discharged without treatment relative to the total wastewater generated decreased from 90.1 percent to 85.5 percent.

3.3 Generation and Management of Waste

Wastes are discarded materials that are no longer required by the owner or user. It includes materials in solid or liquid state but excludes wastewater and emissions to air, water, or soil (FDES 2013). Generation of waste answers questions of who creates it and how much, while management of waste answers where wastes go. Information on the amount of waste forms part of the economy-wide material flow accounts (EW-MFA), an environmental account used to monitor extraction of raw materials from

the environment to the economy and waste and emission from the economy back to the environment. Additionally, statistics on the generation and management of waste aid formulation of programs that aim to reduce waste generation through prevention, reduction, recycling, and reuse – one of the targets of SDG 12: Ensure sustainable consumption and production patterns.

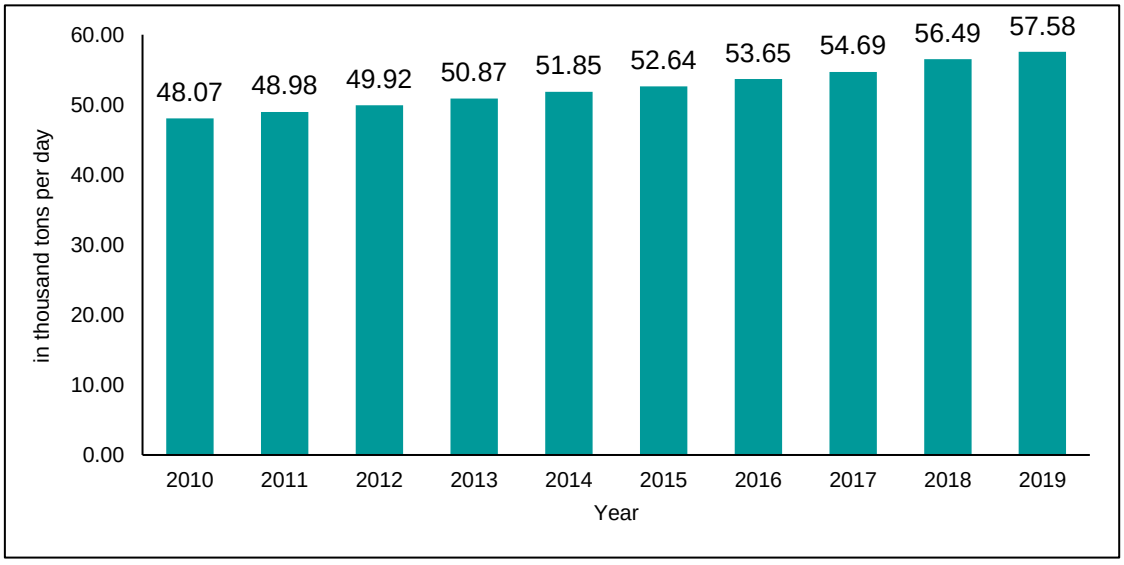
The National Solid Waste Management Commission (NSWMC) is the major agency tasked to implement Republic Act 9003 or the Ecological Solid Waste Management Act of 2000. It is composed of 17 members, with 14 representatives from government agencies and the remaining three from the private sector. The Solid Waste Management Division (SWMD) of the Environmental Management Bureau serves as the head of the NSWMC Secretariat. The SWMD is also the main source of data for the statistics under this subcomponent. The compendium reports proxy indicators for the following core statistics: amount of municipal waste generated; amount of hazardous waste generated; amount of hazardous waste treated by type of treatment disposal; number of hazardous waste treatment and disposal facilities; and amount of recycled waste.

3.3.1 Generation of Waste

Statistics under this topic describe the amount of waste generated before any collection or treatment. It is useful for the information to be disaggregated by waste type and by source. The broad waste categories frequently used in waste statistics are municipal, industrial, and hazardous waste. Core statistics under this topic are the amount of waste generated by source and amount of hazardous waste generated. Hazardous waste, as defined in the FDES 2013, is a special group of waste that, due to its toxic or other hazardous character, requires special management and is controlled by law in many countries. In the Philippines, the management of hazardous wastes is governed by Republic Act No. 6969, known as the “Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990”.

Figure 3.7 presents the projection of waste generation, in thousand tons per day, for years 2010 to 2019. The projected waste generation increased by 19.8 percent from 48,070 tons per day in 2010 to 57,578 tons per day in 2019. The projection of waste generation is derived by waste generation rate per capita multiplied by the population.

Figure 3.7: Projection of Waste Generation from 2010 to 2019, in thousand tons per day



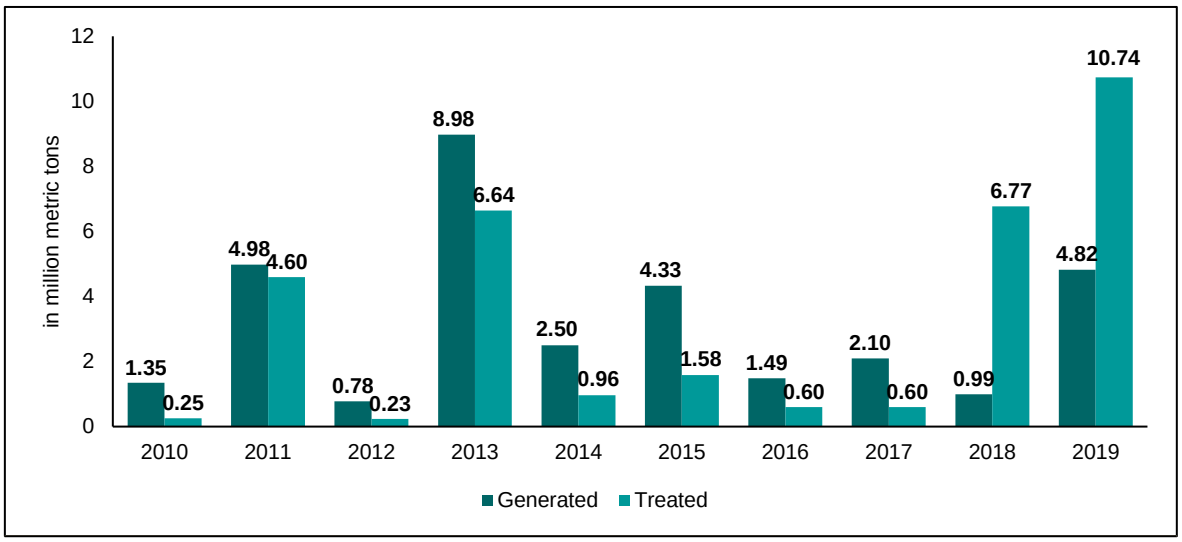
Source: Environmental Management Bureau

3.3.2 Management of Waste

This topic covers statistics on the amount of waste collected and transferred to treatment facilities or to their final disposal, amount of waste treated and disposed by type of treatment and disposal, the number and capacity of treatment and disposal plants and other relevant information. Out of the seven core statistics, only data on hazardous waste treatment, and number of solid waste and hazardous waste facilities are included in this publication.

Figure 3.8 shows the amount of hazardous waste generated and amount of hazardous waste treated. The largest generation of hazardous waste occurred in 2013, amounting to almost 9 million metric tons. On the other hand, the least amount was reported in 2012, amounting to around 781 thousand metric tons. Meanwhile, the amount of treated hazardous waste shows no clear trend and has even exceeded the amount generated in some years. According to the SWMD, some hazardous waste generated within a year may be accumulated and treated in the following year.

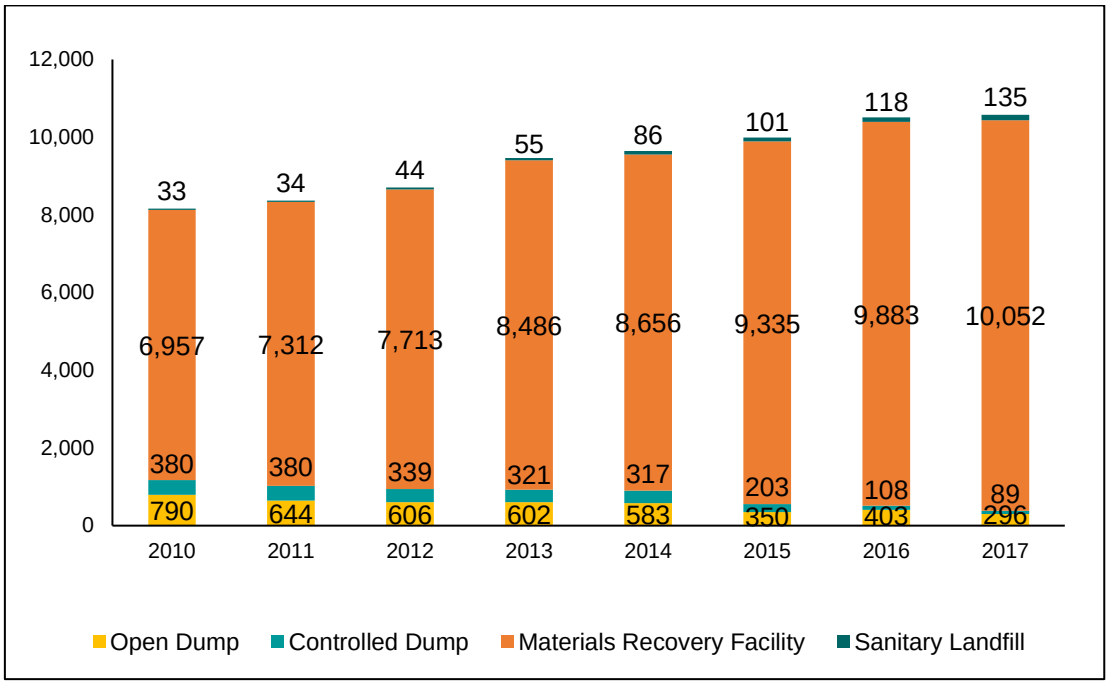
Figure 3.8: Hazardous Waste Management 2010 to 2019, in million metric tons



Source: Environmental Management Bureau

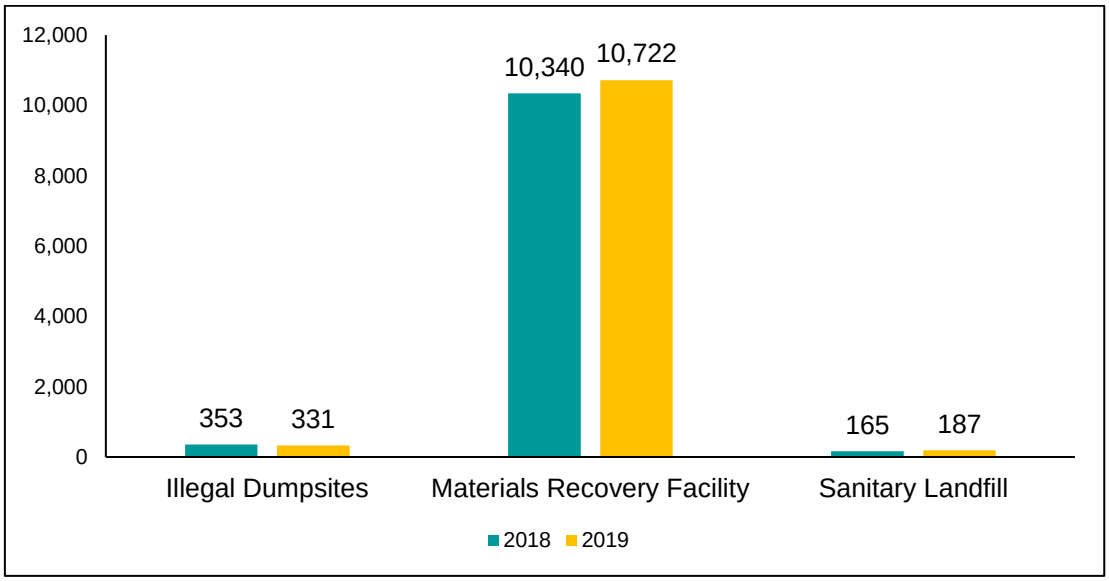
There are several types of solid waste disposal facilities in the country. It includes an open dumpsite, controlled dumpsite, materials recovery facility (MRF), and sanitary landfill. For the past ten years, the number of solid waste disposal facilities is continuously increasing, from a total of 8,160 in 2010 to 11,240 facilities in 2019 (Figure 3.9 and Figure 3.10). Furthermore, MRF operations increased significantly from 6,957 facilities in 2010 to 10,722 facilities in 2019. On the contrary, the highest number of open and controlled dumps, with 790 open dumpsites and 380 controlled dumpsites, was recorded in 2010 and has been decreasing since then. From 2018, open dump and controlled dump were referred to as illegal dumps. (Figure 3.10)

Figure 3.9: Number of Solid Waste Disposal Facilities from 2010 to 2017



Source: Environmental Management Bureau

Figure 3.10: Number of Solid Waste Disposal Facilities from 2018 to 2019



Source: Environmental Management Bureau

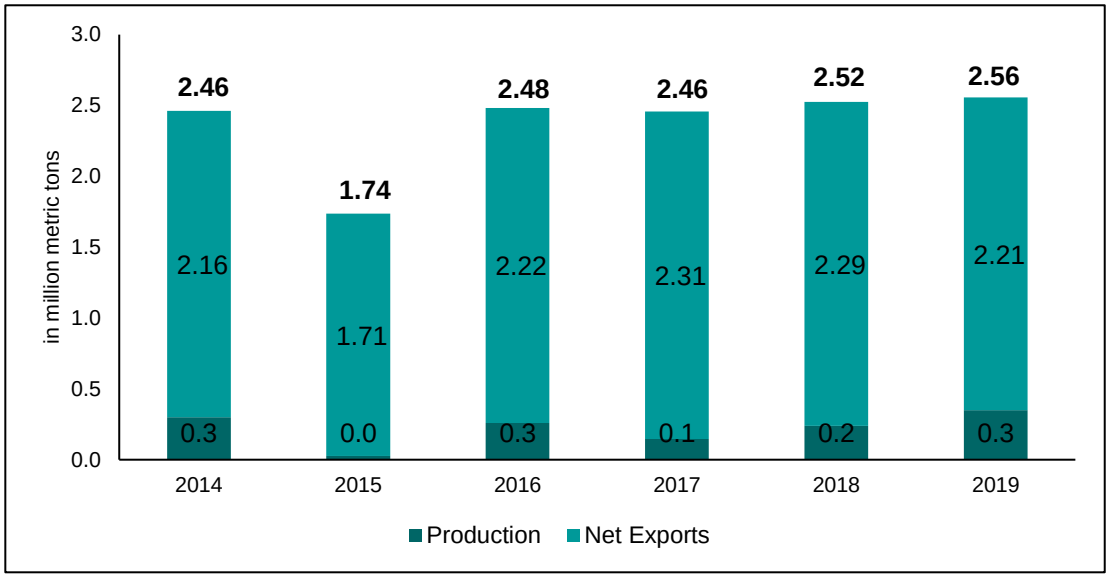
3.4 Release of Chemical Substances

Based on the FDES 2013, chemical fertilizers, pesticides, and other chemicals are used to increase productivity, protect plants and animals from diseases, and to enhance the quality of biological products. However, environmental effects are generated by the diffusion of these chemicals through cycling systems and build-up of contaminants. Statistics under this subcomponent include amount of fertilizers, pesticides, and other chemical substances which serve as basis for estimating the chemicals that remain in the environment. Amount of fertilizers and pesticides used are also included as Tier 1 statistics under Component 2: Environmental Resources and their Use.

Statistics on the imports, exports, sales, and production of fertilizer sourced from the Fertilizer and Pesticide Authority of the Department of Agriculture are reported as proxy to the statistics on amounts of fertilizer used as recommended in the FDES 2013.

Figure 3.11 shows the volume of production and net exports of chemical fertilizers. The largest volume was recorded in 2019, amounting to almost 2.56 million metric tons, while the least amount was reported in 2015, amounting to around 1.74 million metric tons. Over the six-year period, total chemical fertilizer production plus net exports increased from 2.46 million metric tons in 2014 to around 2.56 million metric tons in 2019, or an increase of 3.9 percent.

Figure 3.11: Volume of Production and Net Exports of Chemical Fertilizers from 2014 to 2019, in million metric tons



Source: Fertilizer and Pesticide Authority

Statistical Tables

Residuals

Table 3.1
EMISSIONS OF GREENHOUSE GASES BY SECTOR
2010
(in million metric tons CO_2 equivalent (Mt CO_2e)

Sector and Source Categories	Carbon Dioxide (CO2)	Methane (CH4)	Nitrous Oxide (N2O)	HFCs
I. Energy				
1. Energy Industries	32.803	0.049	0.168	
2. Manufacturing Industries and Construction	11.887	0.055	0.095	
3. Other Sectors	5.995	1.692	0.257	
4. Fugitive Emissions - Solid Fuels	-	0.090	-	
5. Fugitive Emissions - Oil and Natural Gas	0.012	0.001	0.000	
Total Emissions	**50.697**	**1.887**	**0.520**	
Total CO_2 Equivalent	**53.105**			
II. Transport				
a. Domestic Aviation	0.706	0.000	0.006	
b. Road Transport	20.816	0.120	0.308	
c. Water-borne Navigation	2.196	0.005	0.017	
Total Emissions	**23.718**	**0.125**	**0.331**	
Total CO_2 Equivalent	**24.174**			
III. Agriculture				
1. Rice Cultivation	-	22.377	-	
2. Enteric Fermentation	-	8.490	-	
3. Manure Management	-	2.699	1.082	
4. Direct N2O Emissions from Managed Soils	-	-	5.694	
5. Indirect N2O Emissions from Managed Soils	-	-	1.311	
6. Direct N2O Emissions from Manure Management	-	-	0.420	
7. Biomass Burning in Croplands and Grasslands	-	0.286	0.096	
8. Liming	0.002	-	-	
9. Urea Application	0.694	-	-	
Total Emissions	**0.696**	**33.852**	**8.603**	
Total CO_2 Equivalent	**43.152**			
IV. Forestry and other Land Use (FOLU)				
1. Biomass Carbon Stock Silvopasture	- 51.252	-	-	
2. Biomass Carbon Stock	11.084	-	-	
3. Biomass Carbon Stock Deforestation	16.125	-	-	
4. Biomass Carbon Stock Agroforestry/Perennial Crop	- 12.973	-	-	
5. Biomass Burning - Forests	-	0.007	0.002	
Total Emissions	**- 37.016**	**0.007**	**0.002**	
Total CO_2 Equivalent	**- 37.007**			
V. Industrial Processes and product use (IPPU)				
1. Mineral Industry	6.477	-	-	-
2. Chemical Industry	-	-	0.019	-
3. Metal Industry	1.084	0.009	-	-
4. Non-Energy Products from Fuels and Solvent Use	0.003	-	-	-
5. Product Uses as Substitutes for ODS	-	-	-	0.771
Total Emissions	**7.564**	**0.009**	**0.019**	**0.771**
Total CO_2 Equivalent	**8.363**			
VI. Wastes				
1. Solid Waste Disposal	-	4.851	-	
2. Biological Treatment of Solid Waste	-	0.035	0.032	
3. Incineration and Open Burning of Waste	0.015	0.053	0.011	
4. Wastewater Treatment and Discharge	-	9.588	0.974	
Total Emissions	**0.015**	**14.527**	**1.017**	
Total CO_2 Equivalent	**15.559**			
Total National GHG Emissions (CO_2e)	**107.345**			

Source: 2010 Philippine Greenhouse Gas Inventory Report, Climate Change Commission

Table 3.2
CONSUMPTION OF OZONE DEPLETING SUBSTANCES
2010 to 2019
(metric tons)

	2010	2011	2012	2013	2014
Hydrochlorofluorocarbons (HCFC)	**2,582.75**	**2,559.01**	**3,167.50**	**2,132.72**	**2,317.58**
HCFC-141b	420.83	502.50	533.79	408.67	390.64
HCFC-22	2,041.63	1,850.84	2,409.13	1,652.22	1,860.03
HCFC-123	119.55	203.81	221.64	69.05	66.07
HCFC-142b	0.00	0.00	0.00	0.00	0.00
HCFC-225ca	0.37	0.93	1.47	1.39	0.42
HCFC-225cb	0.37	0.93	1.47	1.39	0.42
Methyl Bromide	**72.22**	**54.49**	**47.96**	**31.01**	**37.55**

	2015	2016	2017	2018	2019
Hydrochlorofluorocarbons (HCFC)	**2,066.31**	**1,839.12**	**1,894.89**	**1,817.04**	**1,812.11**
HCFC-141b	159.72	153.58	183.46	144.50	110.98
HCFC-22	1,837.43	1,685.12	1,653.69	1,615.38	1,643.24
HCFC-123	66.13	66. 060	57.13	57.13	57.13
HCFC-142b	0.00	0.00	0.00	0.00	0.00
HCFC-225ca	1.52	0.21	0.31	0.01	0.38
HCFC-225cb	1.52	0.21	0.31	0.02	0.38
Methyl Bromide	**57.84**	**23.84**	**23.84**	**26.12**	**26.12**

Notes:

1. Carbon Tetrachloride was phased out since January 1, 1996.
2. Methyl Chloroform was phased out since January 1, 1996.
3. Halons were phased out since January 1, 1999.
4. Chlorofluorocarbons (CFC) were phased out since January 1, 2010.

Source: Environmental Management Bureau, DENR

Table 3.3.1
AMOUNT OF WASTEWATER GENERATED, COLLECTED AND TREATED
West Zone of Manila
2010 to 2019
(in million cubic meters)

Year	Wastewater Generated	Wastewater collected	Wastewater Treated with:			Wastewater discharged after treatment	Wastewater discharged without treatment
			Primary Treatment	Secondary Treatment	Tertiary Treatment		
2010	299.08	40.46	37.27	1.10	2.10	40.46	258.62
2011	323.79	43.22	39.81	1.20	2.30	43.22	280.57
2012	342.74	41.54	37.87	1.10	2.60	41.54	301.19
2013	355.08	40.46	36.39	0.60	3.40	40.46	314.62
2014	370.58	44.71	38.15	0.40	6.10	44.71	325.88
2015	385.22	57.12	39.39	0.60	17.10	57.12	328.10
2016	398.88	57.98	39.76	0.70	17.50	57.98	340.90
2017	409.33	59.49	41.11	0.70	17.70	59.49	349.84
2018	421.70	64.00	41.60	0.70	21.60	64.00	357.70
2019	426.40	74.50	42.70	0.30	31.60	74.50	351.90

Notes:

1. Wastewater treatment is divided into three categories, with Tertiary added only in this current CPES compilation.

2. Tertiary treatment involves disinfection of water that has already undergone primary and secondary treatment processes. It may also include further filtration and other advanced treatment processes. The treatment focuses on specific pollutant removal and disinfection thereby producing effluent that is compliant with the standards set by the DENR.

Source: Maynilad Water Services, Inc.

Table 3.3.2
AMOUNT OF WASTEWATER GENERATED AND TREATED
East Zone of Manila
2010 to 2019
(in million cubic meters)

Year	Wastewater Generated	Wastewater collected, treated and discharged after treatment	Wastewater discharged without treatment
2010	325.38	20.20	305.18
2011	327.79	24.54	303.25
2012	341.38	26.82	314.55
2013	346.84	27.06	319.77
2014	359.11	28.70	330.41
2015	369.08	26.56	342.52
2016	383.09	29.11	353.98
2017	390.71	37.36	353.35
2018	402.63	44.72	357.91
2019	395.15	44.91	350.24

Notes:

1. Data are based only from customers of Manila Water.
2. Wastewater generated is calculated using a generally accepted return rate of 80 percent.
3. Wastewater discharged without treatment is the difference between wastewater generated and wastewater treated.

Source: Manila Water Company, Inc.

Table 3.4
PROJECTION OF WASTE GENERATION BY REGION
2010 to 2019
(tons per day)

Region	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PHILIPPINES	**48,070**	**48,979**	**49,918**	**50,874**	**51,850**	**52,640**	**53,653**	**54,690**	**56,485**	**57,579**
NCR	7,400	7,524	7,661	7,795	7,933	8,054	8,196	8,341	9,172	9,333
CAR	742	754	767	779	792	796	809	822	836	849
I - Ilocos Region	2,236	2,263	2,290	2,317	2,345	2,368	2,396	2,425	2,453	2,483
II - Cagayan Valley	1,474	1,493	1,514	1,534	1,555	1,575	1,596	1,618	1,640	1,662
III - Central Luzon	5,383	5,496	5,611	5,728	5,848	5,976	6,102	6,230	6,366	6,500
IV-A - CALABARZON	6,929	7,136	7,349	7,568	7,795	7,958	8,197	8,443	8,698	8,960
MIMAROPA	1,273	1,296	1,319	1,343	1,367	1,383	1,408	1,434	1,460	1,487
V - Bicol Region	2,466	2,501	2,536	2,571	2,607	2,644	2,680	2,718	2,756	2,794
VI - Western Visayas	3,599	3,645	3,691	3,737	3,785	3,815	3,863	3,912	3,957	4,007
VII - Central Visayas	3,544	3,608	3,674	3,741	3,810	3,865	3,936	4,009	4,084	4,160
VIII - Eastern Visayas	1,778	1,802	1,827	1,853	1,878	1,929	1,956	1,983	2,010	2,038
IX - Zamboanga Peninsula	1,675	1,704	1,735	1,766	1,797	1,789	1,821	1,854	1,887	1,920
X - Northern Mindanao	2,226	2,269	2,313	2,358	2,404	2,430	2,477	2,525	2,574	2,624
XI - Davao Region	2,598	2,649	2,700	2,753	2,807	2,855	2,911	2,968	3,027	3,086
XII - SOCCSKSARGEN	2,243	2,292	2,343	2,395	2,448	2,482	2,537	2,593	2,642	2,704
XIII - Caraga	1,205	1,222	1,239	1,257	1,275	1,289	1,307	1,326	1,345	1,364
ARMM	1,300	1,326	1,352	1,378	1,405	1,433	1,461	1,490	1,578	1,608

Source: Environmental Management Bureau, DENR

Table 3.5.1
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2010
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**936,881.2**	**9,937.9**	**98,751.6**	**77,161.2**	**805.8**	**9,911.0**
Percent	**69.6%**	**0.7%**	**7.3%**	**5.7%**	**0.1%**	**0.7%**
NCR	1.7	1,579.9	87.2	1,875.6	59.6	938.4
CAR	23,180.8	743.3	2,422.8	21.0	0.0	13.2
I - Ilocos Region	0.0	0.0	2.2	47.6	0.0	532.8
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	99.6	995.9	260.1	39,689.0	348.6	5,295.2
IV-A - CALABARZON	1,945.7	1,420.5	2,964.8	4,726.8	124.2	1,850.6
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	4,760.2	233.9	18.5	31.9	0.0	0.0
VI - Western Visayas	0.0	899.2	197.2	28.5	0.0	0.0
VII - Central Visayas	86.9	3,577.5	43,777.9	13,169.5	235.8	224.3
VIII - Eastern Visayas	0.0	0.0	0.0	16,308.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	15.6	0.4	5.4	1.6
X - Northern Mindanao	0.0	0.2	0.0	1.0	0.0	0.0
XI - Davao Region	761,970.9	13.9	48,204.0	956.3	0.0	1,052.7
XII - SOCCSKSARGEN	0.0	0.0	0.0	300.0	0.0	0.0
XIII - Caraga	144,835.4	473.5	801.3	5.8	32.2	2.1

Table 3.5.2
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2011
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**3,054,611.8**	**12,653.4**	**187,711.0**	**283,643.5**	**1,990.0**	**77,409.0**
Percent	**61.3%**	**0.3%**	**3.8%**	**5.7%**	**0.0%**	**1.6%**
NCR	4.1	1,423.8	245.5	956.8	33.8	59,014.4
CAR	2,428,515.0	1.2	2,552.0	15.2	0.0	17.3
I - Ilocos Region	0.0	0.0	0.0	22.3	0.0	1,426.9
II - Cagayan Valley	0.0	0.3	0.0	0.0	0.0	0.0
III - Central Luzon	220.6	620.7	221.9	39,969.3	1,143.1	275.3
IV-A - CALABARZON	7,241.9	5,541.3	11,654.2	205,561.7	619.8	15,456.4
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	7,020.5	6.9	13,402.8	603.1	0.0	0.0
VI - Western Visayas	0.0	5.7	162.4	51.9	0.0	0.0
VII - Central Visayas	84.2	4,059.0	64,308.7	16,939.1	191.2	159.9
VIII - Eastern Visayas	0.0	0.0	91,275.0	19,478.0	0.0	4.0
IX - Zamboanga Peninsula	0.0	1.0	1.7	0.1	0.2	0.0
X - Northern Mindanao	0.0	0.0	0.0	0.7	0.0	0.0
XI - Davao Region	353,334.0	15.2	2,438.6	0.0	0.0	1,053.1
XII - SOCCSKSARGEN	0.0	0.0	0.0	40.0	0.0	0.0
XIII - Caraga	258,191.5	978.3	1,448.1	5.5	1.9	1.6

Table 3.5.1 ***(continued)***

Waste Organic Solvent	Putrescible Organic	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
4,472.6	**28,596.9**	**136,211.9**	**3,174.9**	**16,475.9**	**982.6**	**23,142.5**	**1,346,506.0**
0.3%	**2.1%**	**10.1%**	**0.2%**	**1.2%**	**0.1%**	**1.7%**	**100.0%**
175.2	59.8	1,255.5	56.1	964.9	5.5	1,656.4	8,716.1
19.2	0.0	186.0	0.0	0.0	60.6	0.0	26,646.9
0.0	213.1	3,686.0	4.3	17.0	0.1	324.6	4,827.8
98.0	0.0	1.2	0.0	0.0	0.0	5.0	104.2
202.3	22.0	19,684.5	201.8	4,662.1	9.4	215.3	71,685.9
3,613.5	60.0	13,087.2	2,834.0	1,075.3	156.7	523.1	34,382.4
0.0	0.0	109.1	0.0	0.0	0.0	0.0	109.1
3.0	0.0	8,652.8	40.7	9,729.3	732.5	244.6	24,447.3
0.0	0.0	975.2	0.0	0.0	4.2	5.9	2,110.2
356.8	44.5	2,543.9	14.5	27.2	0.0	108.4	64,167.2
0.0	0.0	37.0	0.0	0.0	0.0	0.0	16,345.0
0.0	0.2	704.4	0.0	0.0	0.0	4.8	732.3
0.0	0.0	12.2	0.1	0.0	3.0	5.2	21.6
2.4	28,193.5	84,424.6	0.0	0.0	0.0	1,091.8	925,910.1
2.0	0.0	80.0	8.0	0.0	2.1	40.0	432.1
0.2	3.9	772.4	15.4	0.0	8.4	18,917.3	165,867.8

Table 3.5.2 ***(continued)***

Waste Organic Solvent	Putrescible Organic	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
817,424.3	**70,799.7**	**404,632.0**	**27,085.2**	**23,878.8**	**581.2**	**16,920.2**	**4,979,340.1**
16.4%	**1.4%**	**8.1%**	**0.5%**	**0.5%**	**0.0%**	**0.3%**	**100.0%**
194.2	62.4	2,002.9	221.6	393.7	24.1	2,445.7	67,023.0
11.9	0.0	93.2	0.3	0.0	72.4	0.0	2,431,278.4
0.2	261.3	913.4	5.6	22.5	0.1	234.9	2,887.4
121.3	0.0	5.4	7.1	0.0	0.0	344.0	478.1
348.0	11.9	851.3	175.2	1,097.1	3.5	335.6	45,273.5
816,544.9	560.0	57,709.7	26,460.9	1,147.4	426.0	8,085.1	1,157,009.5
0.0	0.0	65.7	0.0	0.0	0.0	0.0	65.7
0.4	0.0	787.8	0.4	20,818.4	4.4	297.4	42,942.1
0.0	0.0	252.7	0.0	0.0	0.0	1.6	474.2
200.9	30.4	1,093.6	14.1	20.6	45.7	265.5	87,412.9
0.0	0.3	266.2	0.0	379.0	0.0	969.8	112,372.3
0.0	0.1	322.2	0.1	0.0	0.0	3.9	329.4
0.1	0.0	44.0	0.0	0.0	0.0	7.8	52.6
2.4	69,871.3	339,553.1	0.0	0.0	0.0	3,168.8	769,436.5
0.0	0.0	45.5	200.0	0.0	0.0	130.0	415.5
0.0	1.9	625.2	0.0	0.0	5.1	630.0	261,889.1

Table 3.5.3
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2012
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**112,620.5**	**281,167.0**	**53,086.0**	**29,082.0**	**337.1**	**5,475.1**
Percent	**14.4%**	**36.0%**	**6.8%**	**3.7%**	**0.0%**	**0.7%**
NCR	381.6	1,166.1	1,077.9	1,198.2	8.3	1,596.5
CAR	0.0	0.0	0.0	0.0	0.0	0.0
I - Ilocos Region	251.7	0.1	3,514.7	9.4	0.0	10.4
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	0.0	271,502.7	1,629.5	0.0	19.4	1.7
IV-A - CALABARZON	205.0	8,284.3	45,260.2	25,838.3	309.4	3,103.3
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	40,458.6	1.4	0.0	667.7	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	12.9	299.3	0.0	2.4
X - Northern Mindanao	0.0	0.0	0.0	0.0	0.0	0.0
XI - Davao Region	21,751.0	0.1	650.8	0.4	0.0	738.1
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	49,572.6	212.2	940.0	1,068.6	0.0	22.7

Table 3.5.4
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2013
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**565,841.0**	**100,891.2**	**195,009.4**	**269,815.9**	**464,668.2**	**10,418.3**
Percent	**6.3%**	**1.1%**	**2.2%**	**3.0%**	**5.2%**	**0.1%**
NCR	18.2	1,501.5	770.2	787.2	5.6	2,144.4
CAR	0.0	0.0	0.0	0.0	0.0	0.0
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	304.0	1,223.6	55,950.0	454.0	195.0	599.5
IV-A - CALABARZON	306,552.9	91,608.3	98,643.9	265,760.9	464,465.8	6,157.1
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.0	0.0	0.0	0.0	0.0
VI - Western Visayas	1.6	67.9	37,620.2	2,717.9	0.0	810.5
VII - Central Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	7.1	7.1	0.4	0.0	2.2
X - Northern Mindanao	0.0	70.6	54.5	63.0	1.8	1.4
XI - Davao Region	18,255.0	2.5	635.7	0.4	0.0	702.8
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	240,709.4	6,409.7	1,327.9	32.0	0.0	0.4

Table 3.5.3 ***(continued)***

Waste Organic Solvent	Putrescible Organic	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
165,137.0	**23,958.8**	**72,674.8**	**13,856.4**	**3,401.8**	**36.9**	**19,689.4**	**780,522.7**
21.2%	**3.1%**	**9.3%**	**1.8%**	**0.4%**	**0.0%**	**2.5%**	**100.0%**
467.2	344.8	2,045.2	289.1	720.6	9.1	5,406.1	14,710.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	99.6	312.7	5.7	23.7	2.7	143.9	4,374.6
0.0	251.7	7.3	15.2	0.0	0.0	5.0	279.2
168.9	4.7	234.0	3.4	1,439.0	0.0	4,844.9	279,848.2
164,500.9	377.7	13,233.6	13,293.2	1,218.5	19.0	7,202.8	282,846.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	41,127.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	599.0	59.8	0.0	0.0	5.2	978.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22,877.0	53,286.0	0.0	0.0	0.0	1,876.3	101,179.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	3.3	2,957.1	190.0	0.0	6.0	205.3	55,177.9

Table 3.5.4 ***(continued)***

Waste Organic Solvent	Putrescible Organic	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
352,381.2	**620,720.1**	**5,918,533.7**	**432,478.3**	**1,486.1**	**115.0**	**44,597.6**	**8,976,956.0**
3.9%	**6.9%**	**65.9%**	**4.8%**	**0.0%**	**0.0%**	**0.5%**	**100.0%**
451.8	591,730.7	2,590.2	283.1	321.7	76.4	5,736.9	606,417.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	0.0	6.8	30.0	0.0	0.0	12.0	73.8
331,636.0	6,762.7	981,384.3	428,230.0	248.9	2.7	2,193.1	1,809,183.9
20,268.0	590.0	4,682,979.3	3,682.2	914.9	30.9	2,278.3	5,943,932.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	231,140.8	211.4	0.0	0.0	26,720.5	299,290.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	2,244.5	27.6	0.0	0.0	5,784.8	8,073.6
0.1	97.4	1,675.8	14.0	0.6	0.9	2.9	1,983.1
0.3	21,532.3	12,431.0	0.0	0.0	0.0	1,611.3	55,171.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	6.9	4,080.9	0.0	0.0	4.2	257.7	252,829.2

Table 3.5.5
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2014
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**190,714.5**	**271,959.3**	**579,074.3**	**806,358.7**	**63.1**	**134,881.4**
Percent	**7.6%**	**10.9%**	**23.2%**	**32.3%**	**0.0%**	**5.4%**
NCR	41,814.0	2,669.6	560.3	43,102.6	27.9	1,705.4
CAR	0.0	0.0	0.0	0.0	0.0	0.0
I - Ilocos Region	0.0	1.4	425.0	30.8	0.0	7.4
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	0.0	0.0	0.0	0.0	0.0	0.0
IV-A - CALABARZON	88.4	268.2	1,081.8	3,264.7	29.6	1,775.4
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	25,137.4	1.9	165.4	611,409.4	0.0	0.0
VI - Western Visayas	0.0	87.0	272.5	10.5	4.8	0.0
VII - Central Visayas	371.6	2,276.7	79,607.3	143,915.8	0.6	128,865.6
VIII - Eastern Visayas	0.0	0.0	0.0	405.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.5	3.8	9.1	0.0	0.1
X - Northern Mindanao	0.0	266,544.5	495,190.2	183.1	0.2	47.1
XI - Davao Region	106,140.5	2.7	1,708.0	1,153.1	0.0	1,951.4
XII - SOCCSKSARGEN	0.0	98.6	0.0	0.0	0.0	0.0
XIII - Caraga	17,162.6	8.2	60.0	2,874.5	0.0	529.1

Table 3.5.6
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2015
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**401,467.4**	**317,403.6**	**983,030.1**	**710,107.4**	**330.3**	**67,807.1**
Percent	**9.3%**	**7.3%**	**22.7%**	**16.4%**	**0.0%**	**1.6%**
NCR	4.6	757.1	7,351.2	1,502.6	23.2	4,477.0
CAR	212,924.3	37.3	4,245.1	76.5	0.0	157.3
I - Ilocos Region	0.0	0.8	440.1	58.1	0.0	14.7
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	1,355.0	5,795.0	1,902.0	83,139.0	0.1	34,642.0
IV-A - CALABARZON	745.6	11,644.7	35,972.3	582,670.4	301.7	12,352.1
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	6,483.8	1.6	0.5	1,248.2	0.0	171.6
VI - Western Visayas	0.0	0.0	2.0	1.4	0.0	2.2
VII - Central Visayas	280.9	1,021.9	215,490.7	32,853.0	5.1	14,553.9
VIII - Eastern Visayas	0.0	1,627.0	0.0	8,296.3	0.0	10.1
IX - Zamboanga Peninsula	0.0	2.0	1.5	1.4	0.0	1.4
X - Northern Mindanao	0.0	296,159.6	550,211.0	255.7	0.2	53.2
XI - Davao Region	1,876.5	355.5	69,228.5	3.3	0.0	1,371.2
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	177,796.7	1.0	98,185.2	1.4	0.0	0.3

Table 3.5.5 ***(continued)***

Waste Organic Solvent	Putrescible Organic	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
27,970.1	**513.1**	**144,694.3**	**13,448.2**	**4,846.7**	**2,302.4**	**322,161.6**	**2,498,987.7**
1.1%	**0.0%**	**5.8%**	**0.5%**	**0.2%**	**0.1%**	**12.9%**	**100.0%**
1,083.8	205.5	45,415.3	532.9	1,186.9	16.6	49,286.8	187,607.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	423.7	13.2	5.6	21.3	539.5	1,467.9
0.0	0.0	18.3	2.3	0.0	0.0	31.0	51.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,672.3	37.9	3,715.9	6,370.4	221.6	511.4	254,631.7	273,669.5
0.0	0.0	65.0	0.0	0.0	0.0	0.1	65.2
0.2	0.0	624.3	1,900.5	5.0	5.4	373.3	639,622.9
3.5	0.0	683.9	101.2	0.0	1.6	134.3	1,299.3
25,195.6	94.1	67,824.9	188.3	3,209.7	0.7	326.2	451,877.1
13.3	0.0	88.0	0.0	0.2	0.0	2.1	508.6
0.0	0.0	660.2	0.0	0.0	0.0	14.7	688.5
0.8	160.3	20,645.0	193.5	217.6	38.7	3,261.3	786,482.3
0.2	9.1	3,322.0	1,401.9	0.0	0.0	900.5	116,589.3
0.4	0.0	151.0	10.1	0.0	0.0	20.8	280.9
0.0	6.2	1,056.6	2,734.0	0.0	1,706.7	12,639.2	38,777.0

Table 3.5.6 ***(continued)***

Waste Organic Solvent	Putrescible Organic	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
33,822.5	**5,365.7**	**1,351,706.0**	**15,564.6**	**2,377.2**	**928.8**	**442,311.4**	**4,332,222.3**
0.8%	**0.1%**	**31.2%**	**0.4%**	**0.1%**	**0.0%**	**10.2%**	**100.0%**
364.3	371.0	98,156.1	1,201.1	843.0	33.2	103,668.6	218,753.0
55.8	26.5	99.8	7.5	0.0	124.8	54.2	217,809.1
0.0	0.0	280.3	15.5	14.8	31.6	1,174.6	2,030.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26,376.0	420.0	1,162,336.0	2,740.0	413.0	0.5	24,958.0	1,344,076.6
6,421.9	2,214.4	55,879.9	2,448.6	938.2	726.7	263,870.1	976,186.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	0.0	340.0	53.6	0.0	0.0	337.7	8,637.6
2.7	0.2	806.3	21.6	0.3	2.9	1,110.8	1,950.4
588.2	1,916.8	6,199.8	4,703.6	11.2	0.5	397.0	278,022.5
11.4	0.0	175.9	1.3	0.0	0.0	552.4	10,674.4
0.0	0.0	483.7	0.0	0.0	0.0	37.3	527.3
0.9	178.2	21,334.7	215.5	156.7	3.8	3,362.4	871,931.9
0.5	238.5	4,637.3	4,153.4	0.0	3.2	38,604.1	120,472.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.2	976.5	2.8	0.0	1.7	4,184.3	281,150.2

Table 3.5.7
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2016
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**191,367.4**	**10,096.5**	**361,916.4**	**88,511.6**	**425.8**	**14,604.9**
Percent	**12.9%**	**0.7%**	**24.4%**	**6.0%**	**0.0%**	**1.0%**
NCR	6.7	702.3	247.4	5,341.3	2.6	1,460.0
CAR	15,704.2	768.8	4,036.1	101.2	2.3	281.5
I - Ilocos Region	0.0	0.0	92.3	202.4	0.0	3.4
II - Cagayan Valley	0.0	0.0	0.0	0.3	2.3	0.0
III - Central Luzon	721.0	444.6	279.5	13,099.0	0.0	1,353.8
IV-A - CALABARZON	3,517.7	6,776.1	4,902.2	39,496.9	409.3	9,877.5
MIMAROPA	0.0	2.2	0.0	10.3	0.0	2.5
V - Bicol Region	20,774.7	10.9	8.0	4,180.8	0.4	0.5
VI - Western Visayas	0.0	0.6	1.3	44.7	1.0	0.9
VII - Central Visayas	4,254.0	1,345.5	351,179.5	16,320.2	8.0	1,622.6
VIII - Eastern Visayas	8,926.9	34.6	0.0	9,659.5	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	0.7	16.9	0.0	0.1
X - Northern Mindanao	0.0	0.0	0.0	0.0	0.0	0.0
XI - Davao Region	725.5	9.6	1,168.3	23.2	0.0	1.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	2.5	0.0	0.1
XIII - Caraga	136,736.8	1.2	1.0	12.4	0.0	1.0

Table 3.5.8
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2017
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**1,428,453.2**	**39,024.1**	**14,703.9**	**43,219.7**	**503.2**	**16,595.6**
Percent	**68.1%**	**1.9%**	**0.7%**	**2.1%**	**0.0%**	**0.8%**
NCR	13.0	400.8	289.6	1,401.2	448.2	3,795.8
CAR	191,218.2	2.7	1,975.8	279.3	9.0	369.0
I - Ilocos Region	0.3	26.7	99.4	34.3	0.0	3.3
II - Cagayan Valley	0.0	0.0	0.0	1.1	0.0	0.0
III - Central Luzon	240.5	36,242.7	1,882.2	1,754.9	0.8	4,887.1
IV-A - CALABARZON	74.1	1,814.1	819.2	3,472.3	18.1	3,964.7
MIMAROPA	0.0	27.9	0.8	8.9	0.0	0.0
V - Bicol Region	11,587.5	19.8	0.2	10,187.0	0.6	0.1
VI - Western Visayas	0.0	0.5	16.6	34.7	0.1	48.2
VII - Central Visayas	2,035.5	355.0	7,845.5	2,027.5	24.0	1,438.7
VIII - Eastern Visayas	0.0	23.6	32.0	23,153.6	0.0	0.4
IX - Zamboanga Peninsula	0.0	0.1	166.8	25.5	0.0	1.1
X - Northern Mindanao	0.0	64.2	1,037.0	216.0	0.0	12.2
XI - Davao Region	1,213,998.4	20.8	535.4	488.4	0.0	1,943.2
XII - SOCCSKSARGEN	0.0	24.4	2.3	116.9	2.4	131.7
XIII - Caraga	9,285.8	1.1	1.0	18.0	0.0	0.0

Table 3.5.7 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
6,941.9	**1,961.2**	**744,758.5**	**5,149.3**	**2,797.7**	**237.8**	**57,039.9**	**1,485,808.9**
0.5%	**0.1%**	**50.1%**	**0.3%**	**0.2%**	**0.0%**	**3.8%**	**100.0%**
329.9	715.7	83,172.1	194.5	413.9	14.6	22,368.9	114,969.9
21.1	24.1	183.4	3.1	0.0	145.8	32.4	21,304.1
0.8	26.7	694.9	19.0	0.0	0.0	651.6	1,691.1
0.0	0.0	0.6	0.0	0.0	0.0	7.0	10.2
777.0	12.0	607,387.0	307.0	76.1	0.0	1,910.0	626,367.0
5,114.3	1,040.1	36,135.6	3,593.7	1,389.1	34.7	6,282.6	118,569.8
0.0	2.2	3,185.9	0.0	0.0	0.0	8.6	3,211.6
5.5	2.0	947.5	75.9	0.0	4.4	645.3	26,656.0
0.0	0.6	876.8	33.0	7.0	1.9	166.2	1,133.8
675.2	135.7	6,895.4	247.3	10.0	35.1	946.4	383,674.9
0.0	0.0	909.6	3.5	901.6	0.0	341.4	20,777.1
0.0	0.0	801.0	0.0	0.0	0.0	22,398.4	23,217.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.1	1.7	985.1	665.7	0.0	1.3	877.4	4,476.9
0.0	0.4	4.3	6.6	0.0	0.0	392.7	406.7
0.0	0.0	2,579.2	0.0	0.0	0.0	11.0	139,342.6

Table 3.5.8 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
7,398.9	**3,280.1**	**220,331.1**	**17,837.9**	**6,164.2**	**2,386.6**	**298,646.9**	**2,098,545.3**
0.4%	**0.2%**	**10.5%**	**0.9%**	**0.3%**	**0.1%**	**14.2%**	**100.0%**
1,997.2	1,539.5	10,307.6	235.1	442.9	2,016.7	24,688.2	47,575.9
27.4	47.6	546.1	16.5	0.0	68.0	180.2	194,739.8
3.1	60.5	1,647.0	66.3	0.6	0.0	2,436.8	4,378.4
0.0	0.0	100.2	0.0	0.0	0.0	8.7	110.0
3,215.1	800.6	174,041.3	14,808.9	5,040.1	55.9	3,437.7	246,407.7
1,385.5	323.1	6,934.7	998.1	568.1	24.0	257,663.9	278,059.8
0.0	1.0	658.6	2.0	0.0	1.4	12.1	712.7
0.4	1.1	869.5	140.5	0.0	9.9	381.1	23,197.7
0.7	11.9	2,872.5	47.0	0.2	5.3	605.7	3,643.4
738.7	162.6	1,895.7	747.7	18.7	40.8	739.4	18,069.7
7.6	2.0	785.0	3.2	0.1	4.5	32.8	24,044.8
0.0	0.0	718.4	0.0	0.0	0.3	2,472.1	3,384.5
0.6	282.7	7,345.4	137.5	93.3	0.7	413.8	9,603.5
2.2	47.3	7,162.9	509.9	0.0	158.9	5,280.2	1,230,147.5
20.3	0.0	719.3	123.2	0.2	0.0	276.7	1,417.5
0.0	0.0	3,726.9	2.3	0.0	0.0	17.5	13,052.5

Table 3.5.9
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2018
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**395,537.4**	**2,759.6**	**70,538.8**	**24,349.5**	**367.1**	**41,948.9**
Percent	**39.9%**	**0.3%**	**7.1%**	**2.5%**	**0.0%**	**4.2%**
NCR	2.2	282.0	1,678.9	659.1	13.4	1,779.6
CAR	357,948.8	13.1	9,755.7	592.4	80.3	276.0
I - Ilocos Region	1.1	0.0	0.0	2,706.2	0.0	3.0
II - Cagayan Valley	0.0	14.3	0.0	20.7	0.0	0.0
III - Central Luzon	7.5	103.4	8,446.5	6,314.7	181.7	799.0
IV-A - CALABARZON	239.6	1,834.7	3,174.9	8,677.9	84.7	38,525.3
MIMAROPA	0.0	17.1	0.7	11.2	0.0	0.0
V - Bicol Region	6.8	1.2	13.4	53.3	0.0	3.2
VI - Western Visayas	0.0	62.6	299.3	46.1	5.3	33.1
VII - Central Visayas	1,609.7	354.1	45,586.4	225.8	0.2	517.8
VIII - Eastern Visayas	0.0	0.4	0.0	2,487.8	0.0	0.0
IX - Zamboanga Peninsula	1.2	0.0	0.2	260.6	0.0	2.5
X - Northern Mindanao	0.0	59.6	474.6	2,188.9	1.1	3.1
XI - Davao Region	15,641.8	15.1	1,106.9	0.0	0.0	0.0
XII - SOCCSKSARGEN	0.0	1.9	1.3	93.8	0.4	6.3
XIII - Caraga	20,078.7	0.1	0.0	11.0	0.0	0.0

Table 3.5.10
AMOUNT OF GENERATED HAZARDOUS WASTE BY REGION, BY TYPE
2019
(tons per year)

REGION	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic	Reactive Chemical	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/
Philippines	**1,047,561.6**	**15,314.9**	**193,713.9**	**2,896,162.9**	**5,041.2**	**36,191.4**
Percent	**21.7%**	**0.3%**	**4.0%**	**60.0%**	**0.1%**	**0.8%**
NCR	2.9	539.4	375.6	1,693.8	336.6	4,294.8
CAR	252,048.2	1.0	5,503.2	2,122,018.6	159.5	229.8
I - Ilocos Region	4.4	0.3	1.0	147.5	0.0	2.9
II - Cagayan Valley	0.0	27.2	0.2	28.9	0.1	0.0
III - Central Luzon	401.4	87.7	7.5	237.5	42.7	278.1
IV-A - CALABARZON	226.3	14,190.6	5,922.1	646,776.9	53.2	29,182.6
MIMAROPA	0.0	9.1	0.7	33.9	0.7	0.0
V - Bicol Region	23.8	12.2	41.9	1,344.7	4,443.1	0.7
VI - Western Visayas	0.0	2.9	59.2	108.7	0.0	7.3
VII - Central Visayas	5,536.6	414.3	172,811.1	731.3	4.9	1,451.8
VIII - Eastern Visayas	0.0	0.1	0.0	120,819.8	0.0	28.9
IX - Zamboanga Peninsula	0.0	0.0	123.8	192.8	0.0	1.3
X - Northern Mindanao	0.0	14.2	8,362.6	76.5	0.0	26.3
XI - Davao Region	638,094.0	3.6	498.6	1,862.1	0.0	506.3
XII - SOCCSKSARGEN	0.0	4.9	0.2	50.2	0.4	4.7
XIII - Caraga	151,224.0	7.4	6.2	39.7	0.0	175.9

Source: Environmental Management Bureau, DENR

Table 3.5.9 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
8,374.0	**2,454.3**	**75,344.9**	**15,012.9**	**222,024.6**	**67,562.1**	**64,971.5**	**991,245.6**
0.8%	**0.2%**	**7.6%**	**1.5%**	**22.4%**	**6.8%**	**6.6%**	**100.0%**
238.2	932.1	4,791.5	233.4	136.7	38.3	28,114.0	38,899.4
34.9	17.3	729.9	4.8	3.6	2.4	100.2	369,559.4
1.0	196.2	754.5	46.5	9.8	0.2	1,187.2	4,905.7
0.0	27.1	46.0	0.6	0.0	0.0	47.5	156.2
1,330.5	300.0	24,109.4	491.5	221,157.6	67,474.7	897.4	331,613.9
6,541.2	691.9	23,602.7	13,068.7	712.0	9.8	8,953.5	106,116.9
0.0	0.0	288.4	16.3	0.0	1.4	7.3	342.4
0.0	3.3	102.1	6.0	0.0	0.0	298.5	487.8
0.6	88.2	2,354.6	20.8	0.2	20.4	842.7	3,773.9
226.2	115.5	1,988.8	112.6	3.3	0.4	275.7	51,016.5
0.0	0.4	437.9	23.9	0.0	0.0	7,942.3	10,892.7
0.0	0.0	1,687.6	0.6	0.0	0.0	116.7	2,069.4
0.8	81.1	10,178.5	827.7	0.0	5.6	488.3	14,309.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	16,763.8
0.6	1.2	733.8	159.5	1.4	8.9	680.3	1,689.4
0.0	0.0	3,539.2	0.0	0.0	0.0	15,019.9	38,648.9

Table 3.5.10 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	TOTAL
57,277.1	**32,645.4**	**302,401.2**	**28,539.2**	**18,844.0**	**345.1**	**189,122.7**	**4,823,160.6**
1.2%	**0.7%**	**6.3%**	**0.6%**	**0.4%**	**0.0%**	**3.9%**	**100.0%**
423.6	1,403.7	12,283.3	492.6	258.6	9.4	11,640.3	33,754.6
37.2	51.7	23,474.5	13.2	0.1	46.4	244.8	2,403,828.2
5.8	83.2	2,412.0	73.6	0.6	79.4	893.5	3,704.2
0.0	17.2	629.0	35.1	0.0	0.1	206.8	944.6
394.3	3,298.0	3,796.6	224.9	15,646.1	1.9	24,648.8	49,065.5
52,789.6	25,586.5	235,242.0	26,563.9	2,877.6	106.1	131,955.8	1,171,473.2
0.0	1.6	390.2	0.5	0.0	2.0	42.2	480.9
0.1	1.8	3,614.5	92.0	48.5	33.8	908.6	10,565.7
0.0	55.2	2,028.8	8.6	0.0	0.2	727.2	2,998.1
3,259.5	551.3	2,157.2	274.5	12.2	27.0	4,096.3	191,328.0
3.8	0.0	556.5	32.3	0.0	0.0	8,551.1	129,992.5
0.0	0.0	750.6	0.1	0.0	0.0	322.5	1,391.1
0.3	1,186.5	8,588.6	252.4	0.0	0.0	481.8	18,989.2
360.8	363.0	3,018.3	219.3	0.0	17.5	3,284.1	648,227.6
2.1	43.9	922.2	44.3	0.2	13.4	990.9	2,077.4
0.0	1.8	2,536.9	211.9	0.0	7.9	128.0	154,339.7

Table 3.6
NUMBER OF SOLID WASTES DISPOSAL FACILITIES BY REGION, BY TYPE
2010 to 2019

Region	2010				2011			
	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill
Philippines	**790**	**380**	**6,957**	**33**	**644**	**380**	**7,312**	**34**
NCR	0	0	933	1	0	0	935	2
CAR	15	0	154	1	15	5	154	1
I - Ilocos Region	74	37	434	2	35	57	672	3
II - Cagayan Valley	33	26	156	2	33	26	163	2
III - Central Luzon	92	17	291	5	42	10	326	4
IV-A - CALABARZON	53	59	648	7	58	47	649	7
MIMAROPA	44	22	115	2	44	22	117	2
V - Bicol Region	74	7	292	0	70	7	299	0
VI - Western Visayas	97	18	640	3	45	24	644	3
VII - Central Visayas	116	50	390	6	116	50	401	6
VIII - Eastern Visayas	69	11	875	1	69	11	875	1
IX - Zamboanga Peninsula	29	27	248	0	29	27	248	0
X - Northern Mindanao	36	40	436	0	38	42	481	0
XI - Davao Region	1	27	607	0	1	27	607	0
XII - SOCCSKSARGEN	14	32	175	2	6	17	174	2
XIII - Caraga	43	7	548	0	43	8	549	0
ARMM	0	0	15	1	0	0	18	1

Region	2012				2013			
	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill
Philippines	**606**	**339**	**7,713**	**44**	**602**	**321**	**8,486**	**55**
NCR	0	0	935	2	0	0	941	2
CAR	14	6	155	1	20	6	182	1
I - Ilocos Region	36	58	672	2	42	62	968	3
II - Cagayan Valley	30	26	170	3	30	26	172	3
III - Central Luzon	42	10	326	4	69	10	434	5
IV-A - CALABARZON	59	45	659	9	47	41	672	15
MIMAROPA	44	20	119	5	6	0	124	5
V - Bicol Region	66	7	307	1	70	8	312	1
VI - Western Visayas	45	24	644	3	45	24	644	5
VII - Central Visayas	118	49	401	6	118	49	401	6
VIII - Eastern Visayas	64	11	881	1	64	11	882	2
IX - Zamboanga Peninsula	28	27	248	0	28	27	249	
X - Northern Mindanao	22	20	500	1	21	20	499	1
XI - Davao Region	0	19	950	1		20	1,245	1
XII - SOCCSKSARGEN	10	6	175	3	10	6	175	3
XIII - Caraga	28	11	553	1	31	11	567	1
ARMM	0	0	18	1	1	0	19	1

Region	2014				2015			
	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill
Philippines	**583**	**317**	**8,656**	**86**	**350**	**203**	**9,335**	**101**
NCR	0	0	943	2	...	...	943	2
CAR	20	6	182	2	5	1	182	2
I - Ilocos Region	36	56	1,009	18	34	59	1,009	19
II - Cagayan Valley	29	25	216	6	21	22	723	6
III - Central Luzon	68	11	510	11	37	...	681	8
IV-A - CALABARZON	40	44	673	17	47	34	674	22
MIMAROPA	6	0	124	5	8	9	124	7
V - Bicol Region	64	25	314	1	28	11	314	1
VI - Western Visayas	39	11	644	5	49	26	644	6
VII - Central Visayas	118	49	401	6	…	…	401	6
VIII - Eastern Visayas	64	11	882	2	21	...	882	3
IX - Zamboanga Peninsula	29	27	249	0	24	...	249	1
X - Northern Mindanao	25	26	501	2	18	24	501	2
XI - Davao Region	1	9	1,246	4	7	2	1,246	7
XII - SOCCSKSARGEN	9	6	175	3	23	10	175	6
XIII - Caraga	34	11	568	1	28	5	568	2
ARMM	1	0	19	1	…	…	19	1

Table 3.6 *(continued)*
NUMBER OF SOLID WASTES DISPOSAL FACILITIES BY REGION, BY TYPE
2010 to 2019

Region	2016				2017			
	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill	Open Dump	Controlled Dump	Materials Recovery Facility	Sanitary Landfill
Philippines	**403**	**108**	**9,883**	**118**	**296**	**89**	**10,052**	**135**
NCR	0	0	976	2	0	0	976	2
CAR	1	0	190	0	0	0	190	3
I - Ilocos Region	6	8	950	21	15	9	950	21
II - Cagayan Valley	41	16	724	12	12	12	724	13
III - Central Luzon	34	0	672	8	3	0	711	13
IV-A - CALABARZON	32	14	795	22	35	19	894	27
MIMAROPA	7	9	135	8	3	7	135	8
V - Bicol Region	56	7	314	1	56	7	315	1
VI - Western Visayas	24	16	1082	8	19	6	1103	8
VII - Central Visayas	43	14	391	11	83	10	391	10
VIII - Eastern Visayas	81	3	881	4	18	0	881	5
IX - Zamboanga Peninsula	0	4	264	1	10	4	269	1
X - Northern Mindanao	23	5	501	3	5	4	501	3
XI - Davao Region	12	2	1246	8	12	2	1257	8
XII - SOCCSKSARGEN	20	4	175	6	0	0	175	8
XIII - Caraga	23	6	568	2	25	9	561	3
ARMM	…	…	19	1	…	…	19	1

Region	2018			2019		
	Illegal Dump	Materials Recovery Facility	Sanitary Landfill	Illegal Dump	Materials Recovery Facility	Sanitary Landfill
Philippines	**353**	**10,340**	**165**	**331**	**10,722**	**187**
NCR	...	1000	1	...	974	1
CAR	...	207	5	1	750	7
I - Ilocos Region	33	962	22	24	964	27
II - Cagayan Valley	27	723	14	11	724	31
III - Central Luzon	31	746	16	11	729	12
IV-A - CALABARZON	35	995	34	37	972	29
MIMAROPA	19	146	10	43	139	9
V - Bicol Region	82	323	2	60	315	3
VI - Western Visayas	17	1119	9	39	1104	10
VII - Central Visayas	57	424	16	44	391	15
VIII - Eastern Visayas	8	885	6	9	881	7
IX - Zamboanga Peninsula	2	313	1	6	267	1
X - Northern Mindanao	11	523	8	16	501	12
XI - Davao Region	10	1163	4	16	1256	3
XII - SOCCSKSARGEN	...	205	14	...	175	16
XIII - Caraga	21	587	3	14	561	3
ARMM	...	19	...	...	19	1

… no data

Note: Starting 2018, Open Dump and Controlled Dump were collectively termed as Illegal Dump.

Source: Environmental Management Bureau, DENR

Table 3.7.1

AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2010
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**79,475.3**	**7,121.8**	**16,413.5**	**24,045.1**	**432.6**	**3,928.7**
Percent	**31.2%**	**2.8%**	**6.5%**	**9.5%**	**0.2%**	**1.5%**
NCR	1.6	1,095.2	594.8	1,958.8	51.2	605.1
CAR	7,586.8	742.8	2,415.7	19.0	0.0	12.0
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	10,369.9	337.8	1,916.9	8,714.3	15.1	1,574.9
IV-A - CALABARZON	1,883.9	1,424.8	2,628.7	12,731.9	193.9	1,395.1
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	4,177.3	0.0	0.0	0.0	0.0	0.0
VI - Western Visayas	0.0	899.2	197.2	28.5	0.0	0.0
VII - Central Visayas	55.9	2,596.5	8,283.5	592.6	13.1	48.0
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	0.0	0.0	0.0
XI - Davao Region	0.0	0.0	0.0	0.0	156.0	293.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	55,399.9	25.5	376.6	0.0	3.2	0.7

Table 3.7.2

AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2011
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**2,659,981.2**	**7,258.4**	**78,927.3**	**213,753.5**	**495.4**	**65,901.2**
Percent	**57.9%**	**0.2%**	**1.7%**	**4.7%**	**0.0%**	**1.4%**
NCR	6.5	1,646.8	1,245.6	1,527.7	15.3	974.2
CAR	2,545,772.0	8.4	3.0	14.1	0.0	1.1
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.3	0.0	0.0	0.0	0.0
III - Central Luzon	1,227.8	212.3	26,615.7	26,821.4	29.7	32,236.4
IV-A - CALABARZON	736.0	2,461.6	15,343.7	184,561.3	450.4	31,708.1
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.0	0.0	0.4	0.0	0.0
VI - Western Visayas	0.0	5.7	162.4	51.9	0.0	0.0
VII - Central Visayas	24.9	2,684.8	35,159.0	768.2	0.0	55.2
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	8.4	0.0	0.0
XI - Davao Region	0.0	0.0	0.0	0.0	0.0	926.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	112,214.0	238.6	398.0	0.0	0.0	0.3

Table 3.7.1 ***(continued)***

Waste Organic Solvent	Putrescible Organic Wastes	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
3,117.1	**407.4**	**104,589.4**	**8,897.6**	**2,349.8**	**74.6**	**3,631.8**	**254,484.6**
1.2%	**0.2%**	**41.1%**	**3.5%**	**0.9%**	**0.0%**	**1.4%**	**100.0%**
50.1	0.0	2,321.9	84.7	964.4	2.2	1,937.4	9,667.5
19.6	0.0	172.4	0.0	0.0	60.6	0.0	11,029.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
510.9	0.0	8,734.1	45.4	105.8	10.7	54.4	32,390.1
2,490.7	146.9	6,842.8	7,167.0	1,279.7	1.0	609.6	38,796.0
0.0	0.0	46.0	0.0	0.0	0.0	0.0	46.0
0.0	0.0	0.0	0.0	0.0	0.0	180.0	4,357.3
0.0	0.0	453.5	0.0	0.0	0.0	5.9	1,584.3
45.9	260.5	3,159.6	1,600.4	0.0	0.0	813.4	17,469.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	82,359.6	0.0	0.0	0.0	0.0	82,808.6
0.0	0.0	0.0	0.0	0.0	0.0	31.0	31.0
0.0	0.0	497.5	0.0	0.0	0.0	0.0	56,303.4

Table 3.7.2 ***(continued)***

Waste Organic Solvent	Putrescible Organic Wastes	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
898,193.9	**931.7**	**609,314.3**	**36,734.4**	**7,924.7**	**40.2**	**15,728.2**	**4,595,184.3**
19.5%	**0.0%**	**13.3%**	**0.8%**	**0.2%**	**0.0%**	**0.3%**	**100.0%**
62.5	33.0	1,559.8	67.5	435.3	0.3	4,707.9	12,282.3
0.5	0.0	135.6	0.1	0.0	0.0	0.0	2,545,934.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.3	0.0	1.8	0.1	0.0	0.0	335.0	456.5
2,133.8	8.8	15,818.1	35.8	42.7	10.6	66.6	105,259.6
895,842.6	889.9	258,401.2	36,625.5	7,446.7	27.7	10,560.9	1,445,055.5
0.0	0.0	56.5	0.0	0.0	0.0	0.0	56.5
0.0	0.0	149.1	0.0	0.0	0.0	17.1	166.6
0.0	0.0	190.3	0.0	0.0	0.0	1.6	411.8
34.9	0.0	472.2	5.5	0.0	0.0	29.1	39,233.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.4	0.0	43.2	0.0	0.0	0.0	0.0	51.9
0.0	0.0	332,116.5	0.0	0.0	0.0	0.0	333,042.5
0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
0.0	0.0	370.1	0.0	0.0	1.7	0.0	113,222.6

Table 3.7.3
AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2012
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**51,607.2**	**12,681.8**	**13,895.7**	**6,250.3**	**61.2**	**2,091.4**
Percent	**22.4%**	**5.5%**	**6.0%**	**2.7%**	**0.0%**	**0.9%**
NCR	0.0	0.0	0.0	0.0	0.0	0.0
CAR	0.0	0.0	0.0	0.0	0.0	0.0
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	0.0	0.0	0.0	0.0	0.0	0.0
IV-A - CALABARZON	2,034.6	12,587.6	12,955.4	6,009.1	61.2	2,090.5
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.0	0.0	0.0	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	0.0	0.0	0.0
XI - Davao Region	0.0	0.0	0.0	0.0	0.0	0.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	49,572.6	94.1	940.3	241.2	0.0	0.8

Table 3.7.4
AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2013
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**131,622.2**	**48,551.8**	**103,158.7**	**165,455.0**	**464,124.8**	**58,981.4**
Percent	**2.0%**	**0.7%**	**1.6%**	**2.5%**	**7.0%**	**0.9%**
NCR	13.6	1,481.5	962.7	3,111.0	0.2	1,701.0
CAR	0.0	0.0	0.0	0.0	0.0	0.0
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	912.0	181.1	8,502.0	0.0	0.0	4,027.4
IV-A - CALABARZON	60.2	40,479.1	91,880.8	162,235.8	464,124.6	53,252.6
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.0	0.0	0.0	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	102.0	0.0	0.0
XI - Davao Region	6,066.0	0.2	488.7	0.0	0.0	0.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	124,570.4	6,409.9	1,324.5	6.2	0.0	0.4

Table 3.7.3 ***(continued)***

Waste Organic Solvent	Putrescible Organic Wastes	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
125,665.9	**196.4**	**8,612.8**	**9,226.2**	**164.5**	**11.9**	**394.9**	**230,860.0**
54.4%	**0.1%**	**3.7%**	**4.0%**	**0.1%**	**0.0%**	**0.2%**	**100.0%**
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125,665.9	193.0	7,333.9	9,226.2	164.5	11.9	244.8	178,578.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	298.1	0.0	0.0	0.0	0.0	298.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	3.3	980.8	0.0	0.0	0.0	150.1	51,983.3

Table 3.7.4 ***(continued)***

Waste Organic Solvent	Putrescible Organic Wastes	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
66,394.3	**21,829.5**	**5,521,086.6**	**13,619.5**	**7,968.3**	**702.1**	**34,885.9**	**6,638,380.0**
1.0%	**0.3%**	**83.2%**	**0.2%**	**0.1%**	**0.0%**	**0.5%**	**100.0%**
264.2	101.9	2,661.0	290.4	762.2	7.1	8,265.2	19,622.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	0.0	6.8	30.0	0.0	0.0	12.0	73.8
57,324.0	0.3	828,119.0	11,762.0	348.0	16.2	23,985.0	935,177.2
8,781.2	195.5	4,682,258.7	1,416.9	6,858.1	678.8	333.8	5,512,556.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	1,303.1	120.2	0.0	0.0	501.4	2,026.7
0.0	21,526.5	4,160.0	0.0	0.0	0.0	1,531.6	33,773.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	5.2	2,577.9	0.0	0.0	0.0	256.8	135,151.3

Table 3.7.5
AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2014
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**208,832.8**	**3,057.2**	**612,506.6**	**15,833.1**	**21.6**	**6,572.3**
Percent	**21.7%**	**0.3%**	**63.6%**	**1.6%**	**0.0%**	**0.7%**
NCR	41,806.5	558.3	323.7	920.8	12.0	1,102.7
CAR	0.0	0.0	0.0	0.0	0.0	0.0
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	0.0	0.0	0.0	0.0	0.0	0.0
IV-A - CALABARZON	24.6	152.9	561.4	2,445.3	9.6	1,133.0
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.0	0.0	1.1	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	329.3	2,337.1	611,379.0	12,346.8	0.0	4,323.0
VIII - Eastern Visayas	0.0	0.0	0.0	0.0	0.0	0.0
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	107.9	0.0	0.0
XI - Davao Region	60,124.8	0.3	176.5	10.0	0.0	0.0
XII - SOCCSKSARGEN	0.0	0.6	0.0	0.8	0.0	13.3
XIII - Caraga	106,547.6	7.9	66.1	0.4	0.0	0.3

Table 3.7.6
AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2015
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**372,930.1**	**18,289.7**	**356,467.0**	**84,779.2**	**48.3**	**129,098.5**
Percent	**23.6%**	**1.2%**	**22.6%**	**5.4%**	**0.0%**	**8.2%**
NCR	2.5	624.3	294.2	2,701.9	5.8	20,445.8
CAR	193,069.3	6.0	0.3	44.5	0.0	152.8
I - Ilocos Region	0.0	0.0	0.0	0.0	0.0	0.0
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	455.0	4,035.0	780.0	31,019.0	0.0	17,487.0
IV-A - CALABARZON	422.0	11,133.4	12,690.8	45,566.1	40.9	76,575.2
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.0	0.0	3.0	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	272.9	477.9	215,206.8	411.1	1.6	14,009.5
VIII - Eastern Visayas	0.0	2,011.2	0.0	3,676.6	0.0	7.7
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	119.9	0.0	0.0
XI - Davao Region	1,115.1	0.0	29,279.7	0.0	0.0	420.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	177,593.3	1.9	98,215.2	1,237.1	0.0	0.4

Table 3.7.5 ***(continued)***

Waste Organic Solvent	Putrescible Organic Wastes	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
13,230.7	**132.2**	**74,095.9**	**2,004.3**	**15,293.9**	**12.7**	**10,807.4**	**962,400.8**
1.4%	**0.0%**	**7.7%**	**0.2%**	**1.6%**	**0.0%**	**1.1%**	**100.0%**
367.3	62.1	10,314.0	172.8	10,069.2	4.6	3,357.2	69,071.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	23.0	2.3	0.0	0.0	9.5	34.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
735.1	12.3	7,646.7	0.0	383.6	7.8	303.0	13,415.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	65.2	0.0	0.0	0.0	0.0	66.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12,125.8	44.7	4,165.7	60.5	4,841.0	0.2	243.3	652,196.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	145.8	0.0	0.0	0.0	0.0	145.8
0.9	7.2	48,264.3	39.8	0.0	0.0	382.8	48,803.0
0.0	0.0	636.8	546.4	0.0	0.0	483.3	61,978.0
1.6	0.0	2,053.5	0.5	0.0	0.0	162.9	2,233.2
0.0	6.0	781.0	1,182.0	0.0	0.0	5,865.4	114,456.8

Table 3.7.6 ***(continued)***

Waste Organic Solvent	Putrescible Organic Wastes	Oil	Containers	Immobilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
19,013.0	**924.0**	**471,084.1**	**2,442.8**	**2,104.3**	**128.7**	**122,409.8**	**1,579,719.5**
1.2%	**0.1%**	**29.8%**	**0.2%**	**0.1%**	**0.0%**	**7.7%**	**100.0%**
551.2	319.2	52,339.8	426.5	1,113.2	17.2	104,536.9	183,378.6
54.8	0.1	64,742.9	2.0	0.0	61.1	46.6	258,180.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15,526.0	90.0	276,560.0	840.0	591.0	2.0	2,701.0	350,086.0
2,564.6	420.4	20,060.6	987.2	395.9	9.0	8,092.6	178,958.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	2,821.4	2,824.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306.7	85.2	1,261.3	141.2	4.2	0.3	327.7	232,506.4
8.7	0.0	169.7	1.3	0.0	0.0	285.1	6,160.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	8.0	53,627.0	44.2	0.0	0.0	425.4	54,225.6
0.0	0.0	1,680.9	0.3	0.0	3.2	3,092.2	35,591.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	1.2	641.8	0.0	0.0	36.1	80.8	277,807.7

Table 3.7.7

AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2016
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**232,510.0**	**11,484.7**	**267,398.5**	**19,841.6**	**196.4**	**8,313.2**
Percent	**38.5%**	**1.9%**	**44.3%**	**3.3%**	**0.0%**	**1.4%**
NCR	2.0	123.0	144.4	1,034.2	0.4	568.3
CAR	15,704.2	1.9	1,436.3	171.0	0.0	233.3
I - Ilocos Region	6.5	8.0	144.9	2,186.0	0.0	52.7
II - Cagayan Valley	0.0	0.0	0.0	0.1	0.0	0.0
III - Central Luzon	0.0	0.0	0.0	0.0	0.0	0.0
IV-A - CALABARZON	205.6	10,308.9	3,505.4	15,335.0	193.7	6,910.6
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.2	0.1	0.4	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	4,031.5	1,022.0	261,581.3	493.2	2.3	542.7
VIII - Eastern Visayas	0.0	18.1	0.0	608.7	0.0	5.6
IX - Zamboanga Peninsula	0.0	0.0	0.0	13.2	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	0.0	0.0	0.0
XI - Davao Region	0.0	1.4	586.1	0.0	0.0	0.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	212,560.1	1.4	0.0	0.0	0.0	0.0

Table 3.7.8

AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2017
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**232,509.9**	**11,484.9**	**267,398.5**	**19,841.8**	**196.4**	**8,313.2**
Percent	**38.5%**	**1.9%**	**44.3%**	**3.3%**	**0.0%**	**1.4%**
NCR	2.0	123.0	144.4	1,034.2	0.4	568.3
CAR	15,704.2	1.9	1,436.3	171.0	0.0	233.3
I - Ilocos Region	6.5	8.0	144.9	2,186.0	0.0	52.7
II - Cagayan Valley	0.0	0.0	0.0	0.1	0.0	0.0
III - Central Luzon	0.0	0.0	0.0	0.0	0.0	0.0
IV-A - CALABARZON	205.6	10,308.9	3,505.4	15,335.0	193.7	6,910.6
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.2	0.1	0.4	0.0	0.0
VI - Western Visayas	0.0	0.0	0.0	0.0	0.0	0.0
VII - Central Visayas	4,031.5	1,022.0	261,581.3	493.2	2.3	542.7
VIII - Eastern Visayas	0.0	18.1	0.0	608.7	0.0	5.6
IX - Zamboanga Peninsula	0.0	0.0	0.0	13.2	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	0.0	0.0	0.0
XI - Davao Region	0.0	1.4	586.1	0.0	0.0	0.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	212,560.1	1.4	0.0	0.0	0.0	0.0

Table 3.7.7 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
3,791.9	**1,095.5**	**21,325.5**	**1,873.8**	**460.6**	**10.8**	**35,168.0**	**603,470.6**
0.6%	**0.2%**	**3.5%**	**0.3%**	**0.1%**	**0.0%**	**5.8%**	**100.0%**
209.9	764.8	2,525.4	152.1	90.6	3.8	12,036.2	17,655.1
12.0	3.5	125.1	1.0	0.0	0.0	18.0	17,706.2
0.0	7.3	796.3	245.7	0.0	0.0	603.2	4,050.6
0.0	71.7	108.3	19.9	0.0	0.0	0.4	200.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,909.3	178.0	10,847.5	1,290.6	353.3	6.8	3,515.8	55,560.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	315.1	9.4	0.0	0.0	186.2	511.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660.8	68.6	4,151.0	15.6	16.7	0.2	204.5	272,790.5
0.0	1.6	393.3	3.6	0.0	0.0	276.2	1,307.0
0.0	0.0	373.9	0.0	0.0	0.0	0.0	387.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	851.0	135.9	0.0	0.0	183.3	1,757.6
0.0	0.0	0.0	0.0	0.0	0.0	18,134.0	18,134.0
0.0	0.0	838.5	0.0	0.0	0.0	10.1	213,410.2

Table 3.7.8 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
3,792.0	**1,095.5**	**21,325.4**	**1,873.8**	**460.6**	**10.8**	**35,167.9**	**603,470.7**
0.6%	**0.2%**	**3.5%**	**0.3%**	**0.1%**	**0.0%**	**5.8%**	**100.0%**
209.9	764.8	2,525.4	152.1	90.6	3.8	12,036.2	17,655.1
12.0	3.5	125.1	1.0	0.0	0.0	18.0	17,706.2
0.0	7.3	796.3	245.7	0.0	0.0	603.2	4,050.6
0.0	71.7	108.3	19.9	0.0	0.0	0.4	200.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,909.3	178.0	10,847.5	1,290.6	353.3	6.8	3,515.8	55,560.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	315.1	9.4	0.0	0.0	186.2	511.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660.8	68.6	4,151.0	15.6	16.7	0.2	204.5	272,790.5
0.0	1.6	393.3	3.6	0.0	0.0	276.2	1,307.0
0.0	0.0	373.9	0.0	0.0	0.0	0.0	387.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	851.0	135.9	0.0	0.0	183.3	1,757.6
0.0	0.0	0.0	0.0	0.0	0.0	18,134.0	18,134.0
0.0	0.0	838.5	0.0	0.0	0.0	10.1	213,410.2

Table 3.7.9

AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2018
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**382,672.3**	**7,184.2**	**24,073.3**	**72,512.3**	**6,119,678.9**	**12,910.4**
Percent	**5.6%**	**0.1%**	**0.4%**	**1.1%**	**90.3%**	**0.2%**
NCR	0.0	228.5	68.6	328.5	0.6	821.8
CAR	362,162.6	10.0	15,920.7	2,555.8	2.3	292.5
I - Ilocos Region	0.0	0.0	371.1	6,205.8	0.0	63.1
II - Cagayan Valley	0.0	0.0	0.0	0.0	0.0	0.0
III - Central Luzon	278.0	83.2	49.8	26,888.2	15.6	849.8
IV-A - CALABARZON	144.5	6,480.9	1,757.7	4,368.6	6,119,660.4	8,380.4
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	0.3	0.6	7.0	0.0	1.5
VI - Western Visayas	0.0	62.6	266.4	451.0	0.0	0.5
VII - Central Visayas	7.3	318.6	5,638.4	184.5	0.0	291.3
VIII - Eastern Visayas	0.0	0.0	0.0	2.4	0.0	33.9
IX - Zamboanga Peninsula	1.2	0.0	0.0	0.5	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	26,739.5	0.0	2,175.6
XI - Davao Region	0.0	0.0	0.0	2.4	0.0	0.0
XII - SOCCSKSARGEN	0.0	0.0	0.0	0.0	0.0	0.0
XIII - Caraga	20,078.7	0.1	0.0	4,778.1	0.0	0.0

Table 3.7.10

AMOUNT OF TREATED HAZARDOUS WASTE BY REGION, BY TYPE
2019
(tons per year)

Region	Wastes with Cyanide	Acid Wastes	Alkali Wastes	Wastes with Inorganic Chemicals	Reactive Chemical Wastes	Inks/Dyes/Pigments/ Paint/Latex/Adhesives/ Organic Sludge
Philippines	**7,396,956.4**	**38,216.8**	**36,115.4**	**2,831,661.7**	**70.3**	**17,773.0**
Percent	**68.9%**	**0.4%**	**0.3%**	**26.4%**	**0.0%**	**0.2%**
NCR	1.5	621.4	168.4	695.3	8.0	2,127.1
CAR	6,621,880.2	0.7	3,466.7	2,122,965.8	0.0	136.8
I - Ilocos Region	0.0	0.0	124.9	2,571.5	0.0	125.6
II - Cagayan Valley	0.0	0.0	0.0	1.3	0.0	0.2
III - Central Luzon	509.3	33,811.3	348.9	3,536.7	54.6	5,562.2
IV-A - CALABARZON	144.6	3,085.9	3,751.0	701,021.9	6.3	8,787.8
MIMAROPA	0.0	0.0	0.0	0.0	0.0	0.0
V - Bicol Region	0.0	294.8	33.9	17.1	0.0	10.1
VI - Western Visayas	0.0	0.0	0.0	17.4	0.0	0.0
VII - Central Visayas	53.6	135.9	27,956.1	491.1	1.4	653.3
VIII - Eastern Visayas	0.0	2.1	0.0	104.9	0.0	368.4
IX - Zamboanga Peninsula	0.0	0.0	0.0	0.0	0.0	0.0
X - Northern Mindanao	0.0	0.0	0.0	206.8	0.0	0.0
XI - Davao Region	432,100.0	0.0	0.0	18.0	0.0	0.4
XII - SOCCSKSARGEN	0.0	0.0	0.0	2.4	0.0	0.0
XIII - Caraga	342,267.2	264.7	265.5	11.5	0.0	1.1

Source: Environmental Management Bureau, DENR

Table 3.7.9 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
2,365.5	**1,685.7**	**60,018.8**	**12,204.1**	**32,951.0**	**175.0**	**46,460.3**	**6,774,891.8**
0.0%	**0.0%**	**0.9%**	**0.2%**	**0.5%**	**0.0%**	**0.7%**	**100.0%**
88.7	651.9	2,979.2	103.0	75.1	0.1	23,308.2	28,654.2
30.2	12.9	707.6	4.8	3.6	28.0	98.0	381,829.0
67.2	20.1	2,736.8	36.5	0.0	23.3	1,132.9	10,656.8
0.0	0.0	0.3	0.0	0.0	0.0	5.8	6.1
509.5	555.4	7,123.0	192.3	31,028.0	96.0	874.7	68,543.5
1,448.7	315.9	35,198.4	11,498.0	1,841.0	6.0	8,111.5	6,199,212.0
0.0	0.0	134.0	0.0	0.0	0.0	0.0	134.0
0.0	0.0	287.1	10.6	0.0	0.0	260.0	567.1
0.0	0.0	1,484.9	257.8	0.0	0.0	514.3	3,037.5
172.3	57.5	751.0	66.7	3.3	21.6	158.7	7,671.2
6.9	0.8	16.7	1.0	0.0	0.0	0.4	62.1
0.0	0.0	299.0	0.0	0.0	0.0	35.8	336.5
42.0	67.0	6,266.5	29.4	0.0	0.0	122.0	35,442.0
0.0	4.2	78.8	4.0	0.0	0.0	399.0	488.4
0.0	0.0	204.4	0.0	0.0	0.0	518.3	722.7
0.0	0.0	1,751.1	0.0	0.0	0.0	10,920.7	37,528.7

Table 3.7.10 ***(continued)***

Waste Organic Solvent	Organic Wastes	Oil	Containers	Stabilized Wastes	Organic Chemicals	Miscellaneous Wastes	Total
23,980.3	**4,693.5**	**119,027.3**	**5,998.6**	**5,530.8**	**152.7**	**260,164.5**	**10,740,341.3**
0.2%	**0.0%**	**1.1%**	**0.1%**	**0.1%**	**0.0%**	**2.4%**	**100.0%**
238.9	614.8	3,382.9	256.7	88.7	22.0	7,456.8	15,682.5
26.5	29.5	32,785.8	0.9	0.7	37.6	202.2	8,781,533.4
96.6	66.3	790.8	22.4	0.0	4.6	1,694.9	5,497.6
0.0	1.6	872.7	95.2	0.0	0.0	76.3	1,047.3
19,794.7	238.2	16,224.1	731.3	4,312.5	52.0	1,347.1	86,522.9
3,339.1	3,514.6	51,251.0	4,688.9	1,121.8	3.3	244,829.2	1,025,545.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	5.5	361.6	15.5	0.0	0.0	516.0	1,254.6
0.0	0.1	769.7	0.1	0.0	2.2	152.4	941.9
462.6	189.1	1,222.5	132.6	7.1	26.0	511.5	31,842.8
20.8	0.0	2,864.3	18.2	0.0	0.0	0.8	3,379.5
0.0	0.0	166.7	0.0	0.0	0.0	140.9	307.6
1.0	10.0	6,952.8	9.6	0.0	0.0	368.4	7,548.6
0.0	23.8	890.7	26.1	0.0	0.0	1,198.8	434,257.8
0.0	0.0	122.2	0.0	0.0	0.2	1,640.0	1,764.8
0.0	0.0	369.5	1.1	0.0	4.8	29.2	343,214.6

Table 3.8
NUMBER OF REGISTERED TREATMENT, STORAGE AND DISPOSAL (TSD) FACILITIES BY REGION
2010 to 2019

Region	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Philippines	**124**	**127**	**130**	**127**	**114**	**123**	**135**	**128**	**132**	**131**
NCR	18	17	22	21	23	20	23	21	22	22
CAR	0	1	0	0	0	0	0	2	2	2
I - Ilocos Region	3	3	3	3	5	3	3	3	3	1
II - Cagayan Valley	0	0	0	0	0	0	0	0	0	0
III - Central Luzon	24	26	27	26	28	31	32	36	33	38
IV-A - CALABARZON	42	46	41	45	36	38	42	34	40	37
MIMAROPA	0	0	1	0	0	1	0	1	0	1
V - Bicol Region	3	2	1	1	1	0	1	2	3	0
VI - Western Visayas	4	4	3	1	1	1	1	2	1	2
VII - Central Visayas	11	12	8	8	6	13	11	11	8	10
VIII - Eastern Visayas	6	5	2	2	1	2	2	2	0	1
IX - Zamboanga Peninsula	0	0	0	0	0	0	0	0	0	0
X - Northern Mindanao	3	5	6	5	4	6	7	5	7	4
XI - Davao Region	9	6	14	15	9	6	10	7	11	11
XII - SOCCSKSARGEN	1	0	2	0	0	2	3	2	2	1
XIII - Caraga	0	0	0	0	0	0	0	0	0	1

Source: Environmental Management Bureau, DENR

Component Four

Extreme Events and Disasters

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COMPONENT FOUR

EXTREME EVENTS AND DISASTERS

An extreme event is one that is rare within its statistical reference distribution at a particular location while disaster is often described as a result of exposure to an extreme event (United Nations [UN], 2013). There are two subcomponents: Subcomponent 4.1: Natural Extreme Events and Disasters; and Subcomponent 4.2: Technological Disasters. The former organizes statistics on the frequency and intensity of extreme events and disasters deriving from natural phenomena and their impact on human lives. The latter, on the other hand, organizes statistics on extreme events resulting from human intent, negligence, or error, or faulty or failed technological applications.

This component compiles statistics on the occurrence of extreme events and disasters and their impacts on human well-being and the infrastructure of the human subsystem. The source of basic data for the core set of statistics is the National Disaster Risk Reduction and Management Council (NDRRMC), a government agency created in 2010 through the Republic Act No. 10121 or the Philippine Disaster Risk Reduction and Management Act of 2010, whose mandate is to develop and implement disaster risk reduction programs that are incorporated in the development plans of various levels of government. The classification for the natural extreme events and disasters in this publication followed the definitions and typologies of disasters by the Centre for Research on the Epidemiology of Disasters (CRED). The classification for the technological disasters was based on the guidelines of the NDRRMC. The NDRRMC also uses the term “human induced disasters” in their reports instead of technological disasters hence, the term was adopted in this publication.

The environment statistics on Extreme Events and Disasters have links to environmental accounts as described in the System of Environmental-Economic Accounting 2012 Central Framework (SEEA-CF), particularly on the type of natural extreme events and disasters, economic losses due to and effects of natural extreme events and disasters on the integrity of ecosystems. Component Four is also related to the Sendai Framework for Disaster Risk Reduction 2015-2030, a non-binding agreement which affirms that the state has the primary role in reducing disaster risk and that responsibility should also be shared to other stakeholders including the local government (Sendai Framework for Disaster Risk Reduction).

Moreover, Component Four has several links to the Sustainable Development Goals (SDGs) such as: Goal 1: End poverty in all its forms everywhere; Goal 11: Make cities and human settlement inclusive, safe, resilient, and sustainable; and Goal 13: Take urgent action to combat climate change and its impact (UN, 2019).

The Compendium of Philippine Environment Statistics (CPES) compiled all four core statistics prescribed by the Framework for the Development of Environment Statistics (FDES), three Tier 2 and one Tier 3 statistics.

4.1 Natural Extreme Events and Disasters

Statistics on natural extreme events and disasters are important to policy makers, analysts, and civil society not only in assessing the impact of an ongoing disaster, but also in monitoring the frequency, intensity, and impact of disasters over time (FDES, 2013). The topics under this subcomponent are the occurrence and the impact of natural extreme events and disasters.

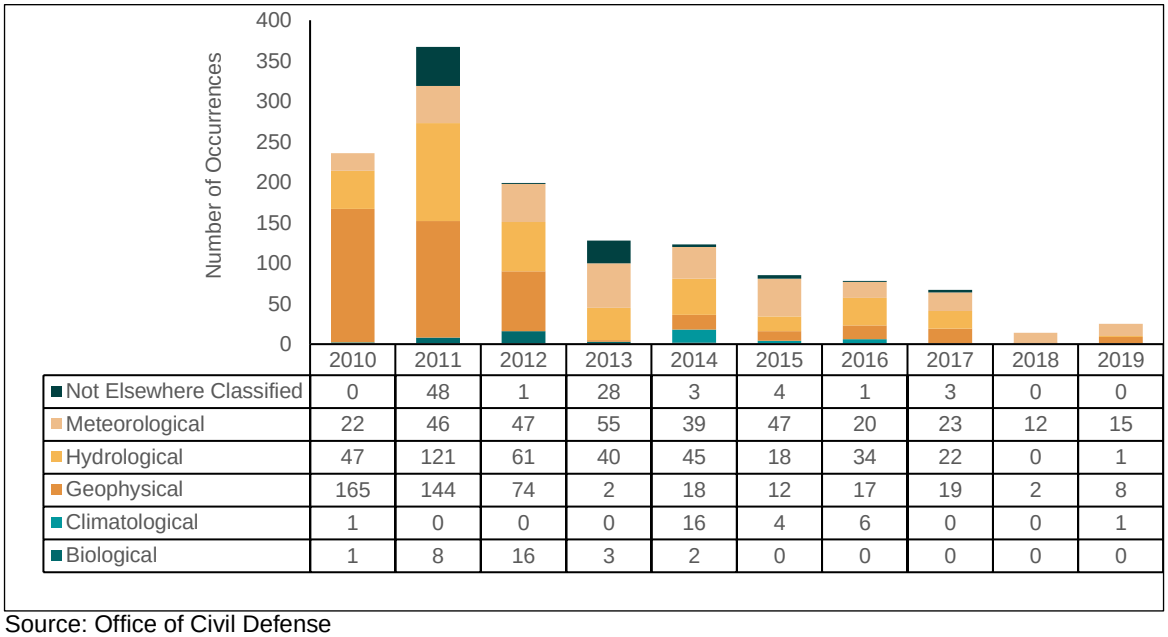
4.1.1 Occurrence of Natural Extreme Events and Disasters

The core statistics included in this topic are the type of natural extreme event and disaster, and location. According to the CRED Emergency Events Database (CRED EM-DAT), natural disasters are classified into five subgroups, namely: geophysical, climatological, meteorological, hydrological, and biological disasters. Geophysical disasters are events originating from the solid earth. Climatological disasters are events caused by long-lived processes in the spectrum from intra-seasonal to multi-decadal climate variability. Meteorological disasters are events caused by short-lived processes in the spectrum from minutes to days. Hydrological disasters are events caused by deviations in the normal water cycle and/or overflow of bodies of water caused by wind setup. Lastly, biological disasters are events caused by the exposure of living organisms to germs and toxic substances.

In this publication, natural disasters were presented according to the five CRED EM-DAT classifications and a Not Elsewhere Classified (NEC) category. Data on location, however, were reported only for events classified by the NDRRMC as major disasters. The list of major events and their location can be found in Table 4.7 Major Natural Extreme Events and Disasters.

Figure 4.1 shows the annual total number of occurrences of natural extreme events and disasters by type from 2010 to 2019. The number of natural extreme events and disasters decreased in number from 2011 to 2019. The highest number of incidents was observed in 2011 with 367 events categorized as follows: 144 geophysical; 121 hydrological; 48 not elsewhere classified; 46 meteorological; and 8 biological. On the other hand, the year 2018 had the least number of incidents observed (14 events).

Figure 4.1 Number of Occurrences of Natural Extreme Events and Disasters by Type from 2010 to 2019[8]



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Not Elsewhere Classified	0	48	1	28	3	4	1	3	0	0
Meteorological	22	46	47	55	39	47	20	23	12	15
Hydrological	47	121	61	40	45	18	34	22	0	1
Geophysical	165	144	74	2	18	12	17	19	2	8
Climatological	1	0	0	0	16	4	6	0	0	1
Biological	1	8	16	3	2	0	0	0	0	0

Source: Office of Civil Defense

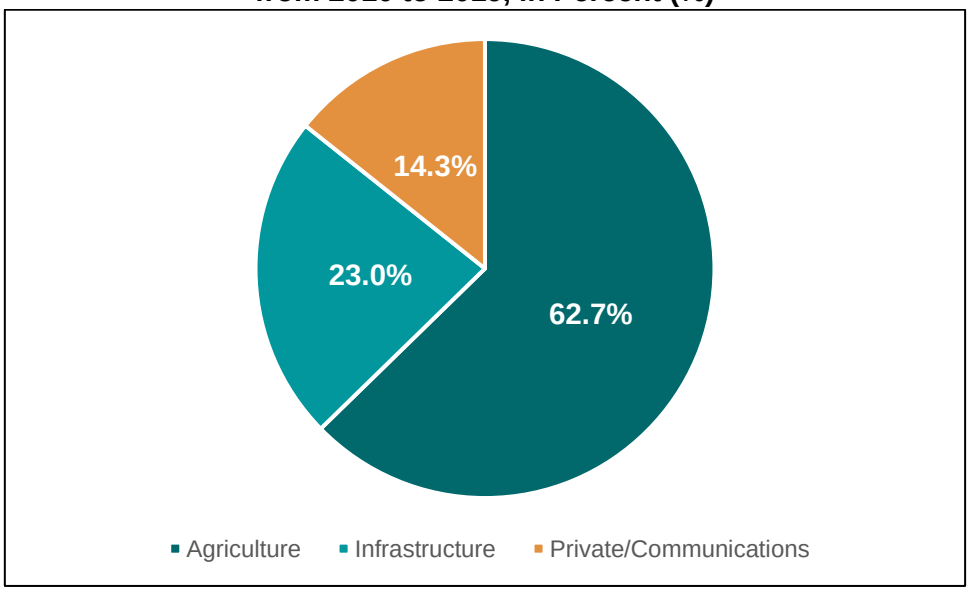
[8] 2018 and 2019 data are from major disaster occurrences.

4.1.2 Impact of Natural Extreme Events and Disasters

There are two core statistics under this topic: n*umber of people killed and economic loss due to natural extreme events and disasters*. According to FDES 2013, the impact in terms of damage and losses makes it possible to estimate the impact of disasters on economic growth, the population's living conditions, and environmental conditions in the region. Economic loss is measured in terms of currency and can be seen in damages to buildings and transportation networks, loss of revenue for businesses, and loss of crops, among other material indicators. In the Philippines, the NDRRMC organizes the damages data into four categories: Infrastructure, Agriculture, Private and Communication, and Others. Statistics on number of people killed and economic loss due to natural extreme events and disasters also serve as input in calculating SDG Targets 1.5 - By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters, 11.5 - By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations, and 13.1 - Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.

The damages incurred due to natural extreme events and disasters amounted to PhP 462.58 billion from 2010 to 2019. Agriculture posted the largest share with 62.7 percent or PhP 290.05 billion followed by infrastructure, and private/communications with 23.0 percent or PhP 106.36 billion and 14.3 percent or PhP 66.17 billion respectively.

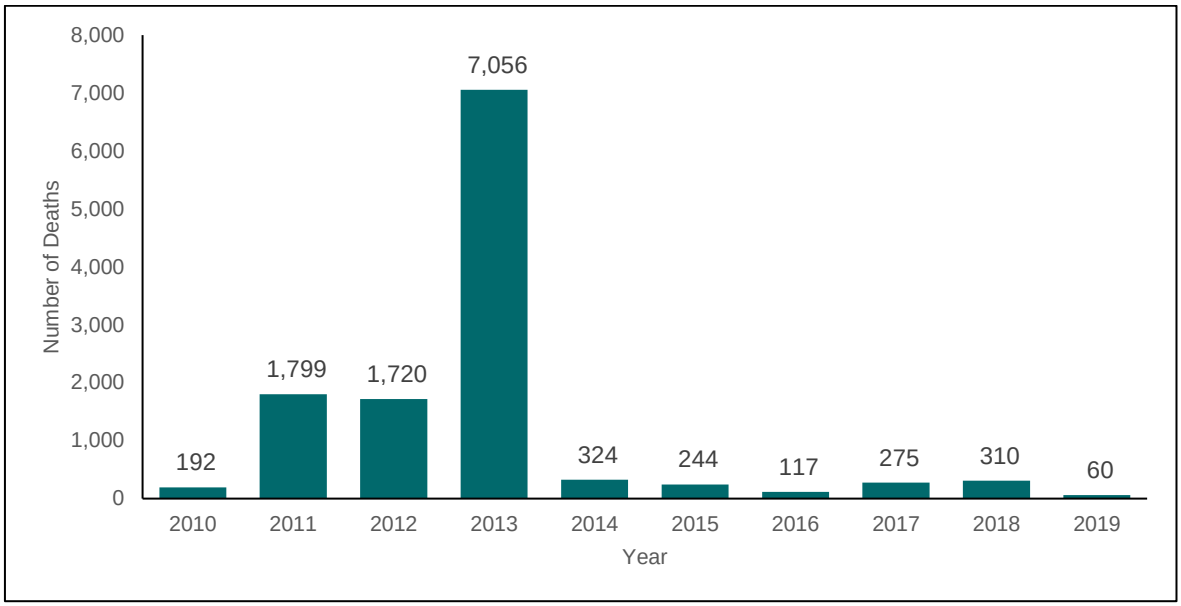
Figure 4.2 Damages Due to Natural Extreme Events and Disasters from 2010 to 2019, in Percent (%)



Source: Office of Civil Defense

Although 2011 recorded the highest number of natural disasters at 367 (Figure 4.1), the highest number of deaths was recorded in 2013 at 7,056 (Figure 4.3). The Philippines recorded a total of 12,097 deaths due to natural disasters from 2010 to 2019.

Figure 4.3 Number of Deaths Due to Natural Extreme Events and Disasters from 2010 to 2019



Source: Office of Civil Defense

Among the major disasters from 2010 to 2019, meteorological disasters posted the highest number at 120 incidents followed by geophysical disasters and climatological disasters at 16 and 2 incidents, respectively.

4.2 Human Induced Disasters

Statistics on human induced disasters are important to policy makers, statistical analysts, and civil society to identify the immediate and potential impacts, to understand who is primarily responsible, and to assess and mitigate future risks. Records of global technological disasters show increasing frequency and impact on humans, the infrastructure and the environment. Based on the FDES 2013, there are two topics under this subcomponent: occurrence and impact of technological disasters. Although there are no core statistics under this subcomponent, the report of the Office of Civil Defense covers data on the number of human induced disasters, their types, number of deaths, and damages. The location data can be found in Table 4.8 Major Human Induced Disasters.

4.2.1 Occurrence of Technological Disasters

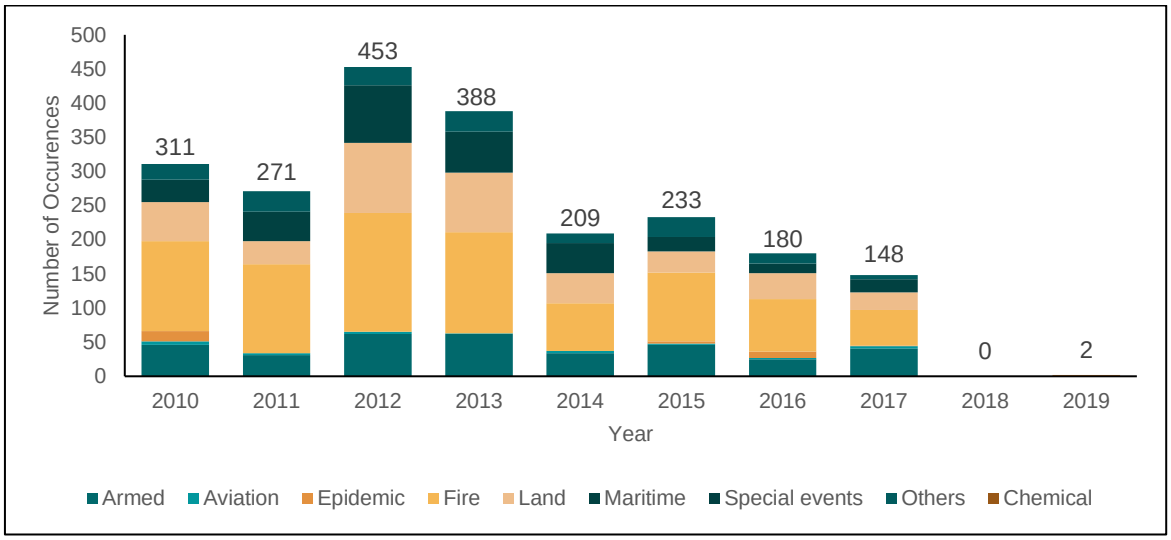
Technological disasters affect human lives, habitats and ecosystems in different ways, depending on the nature and intensity of the disaster. Their effects may be short term or may be of significant or unknown duration. In the case of technological disasters, there is sometimes no precedent for a given disaster. The full impact of such disasters cannot always be fully anticipated or measured *(FDES 2013)*. In this publication, the number of incidents and the type of human induced disasters are presented. The classification of disasters followed the guidelines from NDRRMC. These categories include Armed, Aviation, Chemical, Epidemic, Fire, Land, Maritime, and Special Events.

As seen in Figure 4.4, the number of human induced incidents fluctuated throughout the ten-year period. Overall, there were a total of 2,195 human induced incidents, mostly fire-related at 40.3 percent and the least, aviation at 1.0 percent.

Additionally, the year 2012 had the highest number of incidents observed with a total of 453 events classified as follows: fire-related – 174; land-related – 103; maritime-related – 84;

armed-related – 62; others-related – 27; and aviation-related incidents - 3. Meanwhile, there were no human induced incidents recorded in 2018.

Figure 4.4 Number of Occurrences of Human Induced Disasters by Type from 2010 to 2019



Source: Office of Civil Defense

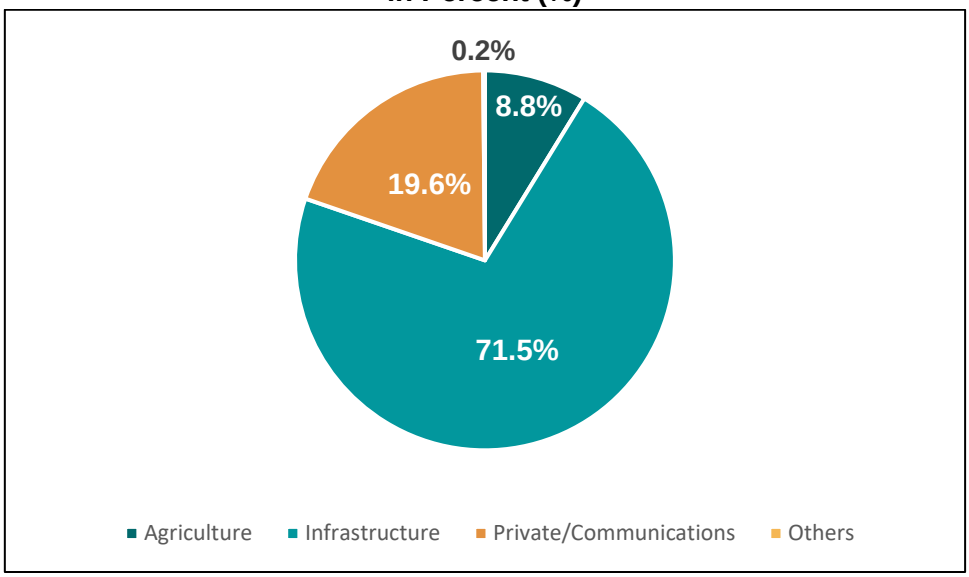
4.2.2 Impact of Technological Disasters

Human induced disasters may also affect the economy of a country. Economic loss may refer to damage to buildings and other economic assets, number of transportation networks affected, economic disruption or loss of revenue to commercial services, and utility disruption (UN, 2013). In this publication, the number of people killed and the economic losses due to human induced disasters are presented under this topic. Statistics on number of people killed and economic loss due to technological disasters also serve as input in calculating SDG Targets 1.5 - By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters, 11.5 - By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations, and 13.1 - Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.

From 2010 to 2019, the total damages due to human induced disasters was almost PhP 9.45 billion. As shown in Figure 4.5, 2013 had the highest recorded damages of more than PhP 6.70 billion, and the only recorded amount in the series exceeding one billion pesos. Meanwhile, the least amount was recorded in 2016 at PhP 90.56 million, as the only amount less than one hundred million pesos.

With regards to the sectors, the infrastructure incurred the largest damages due to human induced incidents with a total of PhP 6.75 billion or 71.5 percent which is the bulk of the total damages across the series. This was followed by private and communication sector with approximately PhP 1.85 billion or 19.6 percent of the total. Lastly, the agricultural sector had the least damages of about PhP 0.83 billion or 8.8 percent of the total.

Figure 4.5 Damages Due to Human Induced Disasters from 2010 to 2019, in Percent (%)

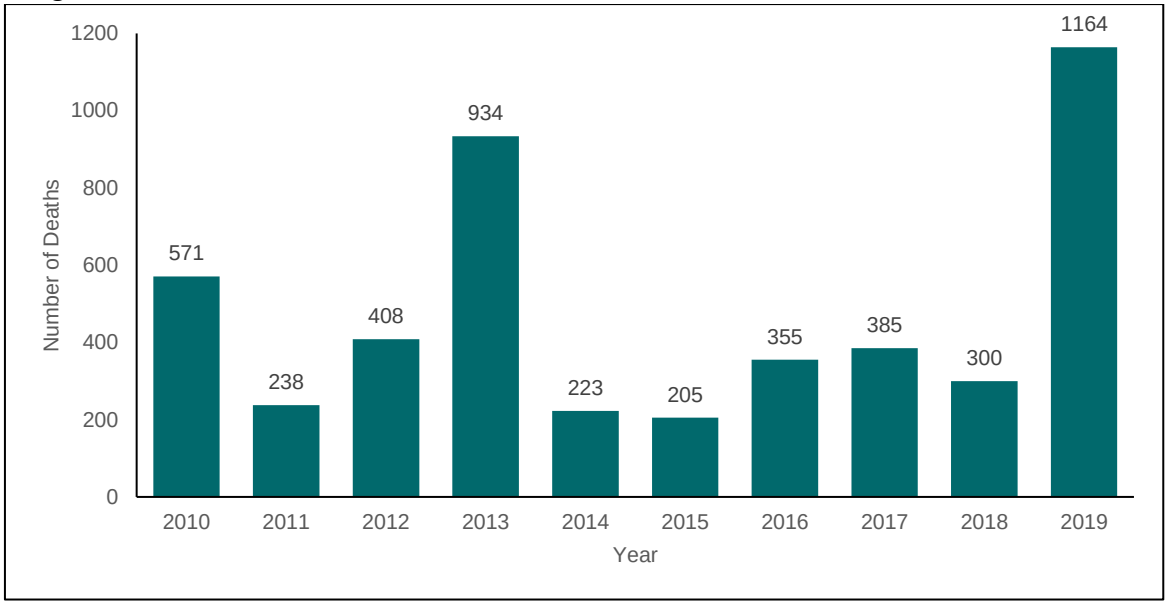


Source: Office of Civil Defense

For the ten-year period, a total of 4,783 deaths due to human induced incidents were recorded with 26.1 percent (1,246 deaths) classified under armed conflict, followed by land and epidemic with 25.6 percent (1,223 deaths) and 22.8 percent (1,091 deaths), respectively.

Moreover, the highest number of deaths recorded was in 2019 with 1,164 individuals in which 76.0 percent or 885 deaths were from epidemic. The least number of deaths was in year 2015 with 205 individuals in which most deaths (32.7 percent) were fire related.

Figure 4.6 Number of Deaths Due to Human Induced Disasters from 2010 to 2019



Source: Office of Civil Defense

Statistical Tables

Extreme Events and Disasters

Table 4.1
OCCURRENCE OF NATURAL EXTREME EVENTS AND DISASTERS[1] BY TYPE FOR MINOR INCIDENTS
2010 to 2019

Disaster Sub-group	Disaster Type	Year									
		2010	2011	2012	2013	2014	2015	2016	2017	2018 [2]	2019 [2]
Total		**234**	**355**	**186**	**112**	**112**	**71**	**68**	**45**		
Biological		**1**	**8**	**16**	**3**	**2**	…	…	…		
	Bird Strikes	…	…	1	…	…	…	…	…		
	Disease Outbreak	…	7	13	3	2	…	…	…		
	Fish Kill	…	…	2	…	…	…	…	…		
	Pest Infestation	1	1	…	…	…	…	…	…		
Climatological		**1**	…	…	…	**16**	**3**	**6**	…		
	Drought/ El Niño Phenomenon	1	…	…	…	2	2	2	…		
	Dry Spell	…	…	…	…	…	…	…	…		
	Wildfire/Bushfire	....	…	…	…	14	1	4			
Geophysical		**165**	**144**	**74**	**1**	**18**	**12**	**17**	**14**		
	Coastal Erosion	…	…	…	…	…	1	…	…		
	Earthquakes	127	78	61	1	2	1	9	9		
	Landslides/Cave-in	28	66	13	…	10	8	6	5		
	Mudflow (Lahar)	…	…	…	…	…	…	…	…		
	Soil Erosion	1	…	…	…	…	…	…	…		
	Volcanic Activity	9	…	…	…	2	2	1	…		
	Sinkhole	…	…	…	…	4	....	1	…		
Hydrological		**47**	**121**	**61**	**40**	**45**	**18**	**34**	**22**		
	Flashfloods/Flooding	47	121	61	39	45	18	34	22		
	Storm Surge	…	…	…	1	…	…	…	…		
Meteorological		**20**	**34**	**34**	**40**	**28**	**34**	**10**	**6**		
	Lightning/Thunderstorm [A]	6	5	7	13	5	10	3	1		
	Rain [B]	2	5	6	4	0	2	3	…		
	Northeast Monsoon	…	…	…	…	…	2	1	…		
	Southwest Monsoon	…	…	2	1	12	3	1	…		
	Tail end of the cold front	…	1	1	…	…	2	1	…		
	Tornado [C]	9	23	16	22	8	15	1	4		
	Tropical Cyclones Destructive	…	…	…	…	…	…	…	…		
	Tropical Cyclones Non-Destructive	…	…	…	…	…	…	…	…		
	Wind [D]	3	0	2	0	3	0		1		
N.E.C		…	**48**	**1**	**28**	**3**	**4**	**1**	**3**		
	InterTropical Convergence Zone	…	…	…	…	…	4	…	2		
	LPA/SW Monsoon/La Mesa Dam Overflow	…	…	…	4	…	…	1	1		
	Miscellaneous	....	4	…	…	…	…	…	…		
	Rockwall and Frost	…	…	…	…	…	…	…	…		
	Sea Mishaps	…	44	…	…	…	…	…	…		
	Sea Swelling	…	....	1	…	3	…	…	…		
	Trashslide/ Landslide	…	…	…	24	…	…	…	…		

Note: "..." means zero

[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)

[2] No data available

[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents

[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains

[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado

[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves

* (which resulted to 17 flashfloods; 13 landslide; 7 strong winds; 5 storm surge & 3 sea mishaps)

Source: Office of Civil Defense (OCD)

Table 4.2
OCCURRENCE OF HUMAN INDUCED DISASTERS BY TYPE FOR MINOR INCIDENTS
2010 to 2019

Disaster Sub-group	Disaster Type	Year									
		2010	2011	2012	2013	2014	2015	2016	2017	2018 [2]	2019 [2]
Total		**311**	**271**	**453**	**387**	**209**	**233**	**180**	**147**		
Armed		**46**	**31**	**62**	**61**	**34**	**46**	**25**	**40**		
	Ambush Incident	...	...	...	...	...	1	2	3		
	Armed Conflict	17	16	29	26	18	27	10	32		
	Bomb/Grenade Explosion	29	14	30	21	13	16	11	5		
	Civil Disturbance	...	...	...	...	...	1	2	...		
	Family Feud	...	...	...	...	1	...	...	...		
	Hostage Taking	...	1	...	...	...	1	...	...		
	Military Operations	...	...	...	...	1	...	...	...		
	Sabah Crisis	...	...	...	1	...	...	...	...		
	Shooting Incidents	...	...	3	13	1	...	...	...		
Aviation		**5**	**3**	**3**	**1**	**3**	**2**	**2**	**3**		
	Air Mishaps	5	...	...	1	3	2	2	3		
	Plane Crash	...	3	3	...	...	...	...	...		
Chemical		...	...	...	...	...	...	...	...		
	Gas Explosion (e.g.,LPG Tank)	...	...	...	...	...	...	...	...		
	Mercury Poisoning	...	...	...	...	...	...	...	...		
Epidemic		**15**	...	...	...	...	**3**	**9**	**1**		
	Disease Outbreak	...	...	...	...	...	3	9			
	Epidemic/Disease Outbreak/Viral	15	...	...	...	...	...	...	1		
Fire		**132**	**130**	**174**	**148**	**70**	**101**	**77**	**52**		
	Bus Burning	...	1	...	...	...	...	...	...		
	Fire Incidents	...	...	...	...	...	101	77	52		
	Structural Fire Incidents	132	129	174	148	68	...	...	...		
	Vehicular Fire	...	...	...	...	2	...	...	...		
Land		**57**	**34**	**103**	**87**	**44**	**31**	**38**	**26**		
	Train Mishaps	...	...	...	...	...	1	...	...		
	Vehicular Accidents	57	34	103	87	44	30	38	26		
Maritime		**33**	**43**	**84**	**60**	**44**	**21**	**14**	**19**		
	Drowning Incidents	8	23	24	40	30	9	7	6		
	Maritime Accidents	...	20	60	20	14	12	7	13		
	Sea Mishaps	25	...	...	...	...	...	...	...		
Special events		...	...	...	...	...	...	...	...		
	Stampede	...	...	...	...	...	...	...	...		
Others		**23**	**30**	**27**	**30**	**14**	**29**	**15**	**6**		
	Cave-in	...	...	...	...	...	1	...	...		
	Chemical Explosions	...	...	...	...	...	...	...	...		
	Chemical/Coal/Oil Spill	2	0	3	8	...	...	...	...		
	Collapsed Structure	10	15	8	2	7	6	2	...		
	Complex Emergencies	...	...	...	...	...	...	...	...		
	Electrocution Incidents	1	...	...	...	...	2	...	1		
	Firecracker Incidents	....	...	3	...	...	...	...	...		
	Fish Kill	1	4	...	1	...	...	...	1		
	Gas/Chemical Leak	...	...	1	...	4	...	...	...		
	Internally Displaced Persons (IDP)	...	6	3	...	...	...	...	...		
	Landmine Explosion	...	...	...	...	...	...	...	...		
	Mining Incident	...	...	...	...	...	1	...	...		
	Missing Fishermen	1	...	2	5	1	...	1	...		
	Mountain Climbing	1	...	1	1	...	...	...	...		
	Others	...	...	...	8	...	...				
	Poisoning [A]	7	5	6	4	2	19	10	3		
	Sinkhole	...	...	...	1	...	...	...	...		
	Pest infestation	...	...	...	...	...	...	1	...		
	Burning Soil	...	...	...	...	...	...	1	...		
	Water Tank Explosion	...	...	...	...	...	...	...	1		

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division
"..." means zero

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

[2] No data available

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

Source: Office of Civil Defense (OCD)

Table 4.3

NUMBER OF DEATHS DUE TO NATURAL EXTREME EVENTS AND DISASTERS[1] BY TYPE FOR MINOR INCIDENTS

2010 to 2019

Disaster Sub-group	Disaster Type	Year									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total		**59**	**242**	**334**	**378**	**23**	**71**	**48**	**22**	**23**	**9**
Biological		…	**60**	**52**	**11**	**2**	...	...	...	...	...
	Bird Strikes	...	...	...	...	...	...	...	...	...	...
	Disease Outbreak	...	60	52	11	2	...	...	...	...	...
	Fish Kill	...	...	...	...	...	...	...	...	...	...
	Pest Infestation	...	...	...	...	...	...	...	...	...	...
Climatological		…	…	…	…	**1**	…	...	...	...	**5**
	Drought/ El Niño Phenomenon	...	...	...	...	...	...	...	...	...	...
	Dry Spell	...	...	...	...	...	...	...	...	...	...
	Wildfire/Bushfire	...	...	...	...	1	...	...	...	...	5
Geophysical		**20**	**35**	**102**	**227**	**8**	**10**	**2**	**17**	**2**	**1**
	Coastal Erosion	...	...	...	...	...	...	...	...	...	...
	Earthquakes	...	...	58	227	...	...	...	12	1	1
	Landslides/Cave-in	18	35	44	...	8	10	2	5	1	...
	Mudflow (Lahar)	...	...	...	...	...	...	...	...	...	...
	Soil Erosion	1	...	...	...	...	...	...	...	...	...
	Volcanic Activity	1	...	...	...	...	...	...	...	...	...
	Sinkhole	...	...	...	...	...	...	...	...	...	...
Hydrological		**17**	**41**	**20**	**7**	**3**	**11**	**9**	**1**	**5**	**1**
	Flashfloods/Flooding	17	41	20	7	3	11	9	1	5	1
	Storm Surge	...	...	...	...	...	...	...	...	...	...
Meteorological		**22**	**106**	**160**	**48**	**9**	**42**	**37**	...	**16**	**2**
	Lightning/Thunderstorm [A]	6	3	10	13	5	10	6	...	16	2
	Rain [B]	16	25	32	...	...	...	1	...	...	...
	Northeast Monsoon	...	...	...	...	...	4	...	...	...	...
	Southwest Monsoon	...	...	112	31	1	27	25	...	...	...
	Tail end of the cold front	...	75	5	...	...	...	5	...	...	...
	Tornado [C]	...	3	1	4	3	1	...	...	...	...
	Tropical Cyclones Destructive	...	...	...	...	...	...	...	...	...	...
	Tropical Cyclones Non-Destructive	...	...	...	...	...	...	...	...	...	...
	Wind [D]	...	...	...	...	...	...	...	...	...	...
N.E.C		…	…	…	**85**	…	**8**	...	**4**	...	...
	InterTropical Convergence Zone	...	...	...	...	...	8	...	4	...	...
	LPA/SW Monsoon/La Mesa Dam Overflow	...	...	...	41	...	...	...	...	...	...
	Miscellaneous	...	...	...	...	...	...	...	...	...	...
	Rockwall and Frost	...	...	...	...	...	...	...	...	...	...
	Sea Mishaps	...	...	...	...	...	...	...	...	...	...
	Sea Swelling	...	...	...	...	...	...	...	...	...	...
	Trashslide/Landslide	...	...	...	44	...	...	...	...	...	...

Note: "..." means zero

[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)

[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents

[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains

[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado

[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves

Source: Office of Civil Defense (OCD)

Table 4.4
NUMBER OF DEATHS DUE TO HUMAN INDUCED DISASTERS [1] BY TYPE FOR MINOR INCIDENTS
2010 to 2019

Disaster Sub-group	Disaster Type	Year									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total		**571**	**238**	**408**	**694**	**223**	**205**	**355**	**213**	**300**	**286**
Armed		**62**	**67**	**104**	**300**	**31**	**48**	**31**	**80**	**76**	**35**
	Ambush Incident	...	...	...	...	...	2	2	39	30	8
	Armed Conflict	34	58	74	262	17	33	10	39	33	13
	Bomb/Grenade Explosion	28	9	25	24	13	12	19	2	13	13
	Civil Disturbance	...	...	...	...	...	...	...	...	...	...
	Family Feud	...	...	...	...	...	...	...	...	...	...
	Hostage Taking	...	...	...	...	...	1	...	...	...	...
	Military Operations	...	...	...	...	...	...	...	...	...	...
	Sabah Crisis	...	...	...	...	...	...	...	...	...	...
	Shooting Incidents	...	...	5	14	1	...	...	...	...	1
Aviation		**19**	**15**	**3**	…	**4**	**2**	...	**3**	**10**	**11**
	Air Mishaps	19	...	...	...	4	2	...	3	10	11
	Plane Crash	...	15	3		...	...	...	...	...	...
Chemical		…	…	…	…	…	…	...	...	...	...
	Gas Explosion (e.g.,LPG Tank)	...	...	...	...	...	...	...	...	...	...
	Mercury Poisoning	...	...	...	...	...	...	...	...	...	...
Epidemic		**139**	...	...	...	...	...	**62**	...	**5**	**7**
	Disease Outbreak	...	...	...	...	...	...	62	...	5	7
	Epidemic/Disease Outbreak/Viral Contamination	139	...	...	...	...	...	...	...	...	...
Fire		**70**	**68**	**73**	**56**	**45**	**67**	**28**	**17**	**42**	**50**
	Bus Burning	...	3	...	...	...	...	...	...	...	...
	Fire Incidents	...	...	...	...	...	67	28	17	...	...
	Structural Fire Incidents	70	65	73	56	45	...	...	...	42	50
	Vehicular Fire	...	...	...	...	...	...	...	...	...	...
Land		**211**	**41**	**156**	**138**	**79**	**51**	**212**	**71**	**126**	**138**
	Train Mishaps	...	...	...	...	...	...	...	...	...	...
	Vehicular Accidents	211	41	156	138	79	51	212	71	126	138
Maritime		**35**	**38**	**55**	**187**	**58**	**18**	**17**	**37**	**27**	**33**
	Drowning Incidents	19	25	21	52	42	13	7	18	16	23
	Maritime Accidents	...	13	34	135	16	5	10	19	11	10
	Sea Mishaps	16	...	...	...	...	...	...	...	...	...
Special events		…	…	…	…	…	…	...	...	...	...
	Stampede	...	...	...	...	...	...	...	...	...	...
Others		**35**	**9**	**17**	**13**	**6**	**19**	**5**	**5**	**14**	**12**
	Cave-in	...	...	...	...	...	1	...	...	...	...
	Chemical Explosions	...	...	...	...	...	...	...	...	...	...
	Chemical/Coal/Oil Spill	...	...	...	...	...	...	...	...	...	...
	Collapsed Structure	16	1	11	8	4	14	4	...	8	
	Complex Emergencies	...	...	...	...	...	...	...	...	...	...
	Electrocution Incidents	7	...	...	...	...	3	...	2	1	...
	Firecracker Incidents	...	...	...	...	...	...	...	...	...	...
	Fish Kill	...	...	...	...	...	...	...	...	...	...
	Gas/Chemical Leak	...	...	...	...	2	…	...	...	...	...
	Internally Displaced Persons (IDP)	...	4	5	...	...	...	...	...	...	...
	Landmine Explosion	...	…		...	...	...	...	...	...	...
	Mining Incident	1	...	...	...	...	...	...	...	2	...
	Missing Fishermen	...	...	...	1	...	...	...	...	...	...
	Mountain Climbing	1	...	...	...	...	...	...	...	...	...
	Others	...	...	...	2	...	...	...	...	...	...
	Poisoning [A]	10	4	1	2	…	1	1	...	3	12
	Sinkhole	...	...	...	...	...	...		...	...	...
	Pest infestation	…	…	…	…	…	…	…	...	...	...
	Burning Soil	…	…	…	…	…	…	…	...	...	...
	Water Tank Explosion	…	…	…	…	…	…	…	3	...	...

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division
"..." means zero

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

Source: Office of Civil Defense (OCD)

Table 4.5

DAMAGES DUE TO NATURAL EXTREME EVENTS AND DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year				
		2010				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**35.5**	**12,645.2**	**3.5**	**…**	**12,684.2**
Biological		…	…	…	…	…
	Bird Strikes	…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Fish Kill	…	…	…	…	…
	Pest Infestation	…	…	…	…	…
Climatological		…	**12,107.1**	…	…	**12,107.1**
	Drought/ El Niño	…	12,107.1	…	…	12,107.1
	Dry Spell	…	…	…	…	…
	Wildfire/Bushfire	…	…	…	…	…
Geophysical		**8.1**	**13.0**	**0.5**	…	**21.6**
	Coastal Erosion	…	…	…	…	…
	Earthquakes	…	…	…	…	…
	Landslides/Cave-in	8.1	0.7	0.5	…	9.3
	Mudflow (Lahar)	…	…	…	…	…
	Soil Erosion	…	…	…	…	…
	Volcanic Activity	…	12.3	…	…	12.3
	Sinkhole	…	…	…	…	…
Hydrological		**11.6**	**120.2**	**1.3**	…	**133.0**
	Flashfloods/Flooding	11.6	120.2	1.3	…	133.0
	Storm Surge	…	…	…	…	…
Meteorological		**15.9**	**404.9**	**1.7**	…	**422.5**
	Lightning/Thunderstorm [A]	…	…	…	…	…
	Rain [B]	15.1	404.8	…	…	419.9
	Northeast Monsoon	…	…	…	…	…
	Southwest Monsoon	…	…	…	…	…
	Tail end of the cold front	....	....	…	…	…
	Tornado [C]	0.8	0.1	0.3	…	1.2
	Tropical Cyclones Destructive	…	…	…	…	…
	Tropical Cyclones Non-Destructive	…	…	…	…	…
	Wind [D]	…	…	1.4	…	1.4
N.E.C		…	…	…	…	…
	InterTropical Convergence Zone	…	…	…	…	…
	LPA/SW Monsoon/La Mesa Dam Overflow	…	…	…	…	…
	Miscellaneous	…	…	…	…	…
	Rockwall and Frost	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
	Sea Swelling	…	…	…	…	…
	Trashslide/Landslide	…	…	…	…	…

Note: "..." means zero
*Previously Economic Loss due to Natural Extreme Events and Disasters by Economic Activity
[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)
[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents
[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains, Hailstorm
[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado
[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves
Source: Office of Civil Defense (OCD)

Table 4.5 (*Continued*)

Year									
2011					2012				
Infrastructure	Agriculture	Private/ Communication	Others	Total	Infrastructure	Agriculture	Private/ Communication	Others	Total
1,938.9	**702.3**	**21.0**	**…**	**2,662.3**	**2,213.5**	**2,671.0**	**17.8**	**…**	**4,902.3**
…	…	…	…	…	…	…	**0.14**	…	**0.14**
…	…	…	…	…	…	…	0.14	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
16.0	**0.04**	…	…	**16.0**	**769.1**	…	…	…	…
…	…	…	…	…	..	…	…	…	…
16.0	…	…	…	16.0	768.5	…	…	…	…
…	0.04		…	0.04	0.6	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
16.7	**12.5**	…	…	**29.2**	**5.8**	**35.2**	**7.1**	…	**48.1**
16.7	12.5	…	…	29.2	5.8	35.2	7.1	…	…
…	…	…	…	…	…	…	…	…	…
1,906.2	**689.8**	**21.0**	…	**2,617.1**	**1,438.6**	**2,635.8**	**10.5**	…	**4,084.9**
…	…	…	…	…	…	…	…	…	…
531.9	20.1	…	…	552.0	…	180.561	…	…	180.561
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	1438.0	2453.7	10.3	…	3901.9
1,372.3	666.6	21.0	…	2,059.9	…	…	…	…	…
2.1	3.1	…	…	5.2	0.59	1.53	0.125	…	2.245
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	0.14	…	0.14
…	…	…	…	…	…	…	**0.02**	…	**0.02**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	0.02	…	0.02
…	…	…	…	…	…	…	…	…	…

Table 4.5

DAMAGES DUE TO NATURAL EXTREME EVENTS AND DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS (*Continued*)
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year 2013				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**2,728.6**	**2,085.1**	**7.7**	…	**4,821.4**
Biological		…	…	…	…	…
	Bird Strikes	…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Fish Kill	…	…	…	…	…
	Pest Infestation	…	…	…	…	…
Climatological		…	…	…	…	…
	Drought/ El Niño	…	…	…	…	…
	Dry Spell	…	…	…	…	…
	Wildfire/Bushfire	…	…	…	…	…
Geophysical		**2,257.3**	…	…	…	**2,257.3**
	Coastal Erosion	..	…	…	…	..
	Earthquakes	2,257.3	…	…	…	2,257.3
	Landslides/Cave-in	…	…	…	…	..
	Mudflow (Lahar)	…	…	…	…	..
	Soil Erosion	…	…	…	…	..
	Volcanic Activity	…	…	…	…	..
	Sinkhole	…	…	…	…	..
Hydrological		**1.6**	…	…	…	**1.6**
	Flashfloods/Flooding	1.6	…	…	…	1.6
	Storm Surge	…	…	…	…	..
Meteorological		**117.8**	**63.5**	**7.7**	…	**189.0**
	Lightning/Thunderstorm [A]	…	…	…	…	…
	Rain [B]	…	0.4	2.1	…	2.5
	Northeast Monsoon	…	…	…	…	…
	Southwest Monsoon	113.6	56.1	…	…	169.7
	Tail end of the cold front	…	…	…	…	…
	Tornado [C]	4.3	7.0	5.6	…	16.8
	Tropical Cyclones Destructive	…	…	…	…	…
	Tropical Cyclones Non-Destructive	…	…	…	…	…
	Wind [D]	…	…	…	…	…
N.E.C		**351.8**	**2,021.7**	**0.02**	…	**2,373.5**
	InterTropical Convergence Zone	…	…	…	…	…
	LPA/SW Monsoon/La Mesa Dam Overflow	351.8	2021.7	…	…	2373.5
	Miscellaneous	…	…	…	…	…
	Rockwall and Frost	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
	Sea Swelling	…	…	…	…	…
	Trashslide/Landslide	…	…	0.02	…	0.02

Note: "..." means zero

*Previously Economic Loss due to Natural Extreme Events and Disasters by Economic Activity

[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)

[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents

[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains, Hailstorm

[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado

[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves

Source: Office of Civil Defense (OCD)

Table 4.5 (*Continued*)

Year									
2014					2015				
Infrastructure	Agriculture	Private/ Communication	Others	Total	Infrastructure	Agriculture	Private/ Communication	Others	Total
19.0	**243.1**	**0.3**	**…**	**262.3**	**178.2**	**13,179.8**	**646.0**	**…**	**14,003.9**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	**189.5**	…	…	**189.5**	…	**13,038.3**	…	…	**13,038.3**
…	189.5	…	…	189.5	…	13,038.3	…	…	13,038.3
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	**0.3**	…	…	…	**0.3**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	0.3	…	…	…	0.3
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
18.8	**52.3**	**0.2**	…	**71.3**	…	…	**2.5**	…	**2.5**
18.8	52.3	0.2	…	71.3	…	…	2.5	…	2.5
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	**1.8**	**5.2**	**643.5**	…	**650.5**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	0.3	1.3	…	…	1.5
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	1.5	3.9	…	…	5.4
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	0.04	…	643.5	…	643.6
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
0.153	**1.305**	**0.053**	…	**1.511**	**176.1**	**136.3**	…	…	**312.4**
…	…	…	…	…	176.1	136.3	…	…	312.4
…	0.97	0.053	…	1.023	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
0.153	0.335	…	…	0.488	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…

Table 4.5

DAMAGES DUE TO NATURAL EXTREME EVENTS AND DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS (*Continued*)
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year 2016				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**605.8**	**13,629.9**	**…**	**…**	**14,235.7**
Biological		…	…	…	…	…
	Bird Strikes	…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Fish Kill	…	…	…	…	…
	Pest Infestation	…	…	…	…	…
Climatological		…	**12834.3**	…	…	**12834.3**
	Drought/ El Niño	…	12834.3	…	…	12834.3
	Dry Spell	…	…	…	…	…
	Wildfire/Bushfire	…	…	…	…	…
Geophysical		…	…	…	…	…
	Coastal Erosion	…	…	…	…	…
	Earthquakes	…	…	…	…	…
	Landslides/Cave-in	…	…	…	…	…
	Mudflow (Lahar)	…	…	…	…	…
	Soil Erosion	…	…	…	…	…
	Volcanic Activity	…	…	…	…	…
	Sinkhole	…	…	…	…	…
Hydrological		**4.0**	**13.6**	…	…	**17.6**
	Flashfloods/Flooding	4.0	13.6	…	…	17.6
	Storm Surge	…	…	…	…	…
Meteorological		**600.3**	**777.6**	…	…	**1377.9**
	Lightning/Thunderstorm [A]	…	…	…	…	…
	Rain [B]	…	…	…	…	…
	Northeast Monsoon	…	…	…	…	…
	Southwest Monsoon	600.3	777.6	…	…	1377.9
	Tail end of the cold front	…	…	…	…	…
	Tornado [C]	…	…	…	…	…
	Tropical Cyclones Destructive	…	…	…	…	…
	Tropical Cyclones Non-Destructive	…	…	…	…	…
	Wind [D]	…	…	…	…	…
N.E.C		**1.5**	**4.452**	…	…	**5.952**
	InterTropical Convergence Zone	…	…	…	…	…
	LPA/SW Monsoon/La Mesa Dam Overflow	1.5	4.452	…	…	…
	Miscellaneous	…	…	…	…	…
	Rockwall and Frost	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
	Sea Swelling	…	…	…	…	…
	Trashslide/Landslide	…	…	…	…	…

Note: "..." means zero
*Previously Economic Loss due to Natural Extreme Events and Disasters by Economic Activity
[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)
[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents
[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains, Hailstorm
[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado
[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves
Source: Office of Civil Defense (OCD)

Table 4.5 (*Continued*)

Year									
2017					2018				
Infrastructure	Agriculture	Private/ Communication	Others	Total	Infrastructure	Agriculture	Private/ Communication	Others	Total
0.277	**104.2**	**…**	**…**	**104.4**	**0.1**	**17.5**	**2.8**	**…**	**20.4**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
0.2	…	…	…	**0.2**	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
0.2	…	…	…		…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	**104.2**	…	…	**104.2**	…	**11.9**	**1.0**	…	**12.9**
…	104.2	…	…	…	…	11.9	1.0	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	**0.1**	**5.6**	**1.8**	…	**7.5**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	5.62	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	0.11	…	1.78	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
0.067	…	…	…	**0.067**	…	…	…	…	…
0.1	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…

Table 4.5

DAMAGES DUE TO NATURAL EXTREME EVENTS AND DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS (*Concluded)*
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year				
		2019				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		…	…	…	…	…
Biological		…	…	…	…	…
	Bird Strikes	…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Fish Kill	…	…	…	…	…
	Pest Infestation	…	…	…	…	…
Climatological		…	…	…	…	…
	Drought/ El Niño	…	…	…	…	…
	Dry Spell	…	…	…	…	…
	Wildfire/Bushfire	…	…	…	…	…
Geophysical		…	…	…	…	…
	Coastal Erosion	…	…	…	…	…
	Earthquakes	…	…	…	…	…
	Landslides/Cave-in	…	…	…	…	…
	Mudflow (Lahar)	…	…	…	…	…
	Soil Erosion	…	…	…	…	…
	Volcanic Activity	…	…	…	…	…
	Sinkhole	…	…	…	…	…
Hydrological		…	…	…	…	…
	Flashfloods/Flooding	…	…	…	…	…
	Storm Surge	…	…	…	…	…
Meteorological		…	…	…	…	…
	Lightning/Thunderstorm [A]	…	…	…	…	…
	Rain [B]	…	…	…	…	…
	Northeast Monsoon	…	…	…	…	…
	Southwest Monsoon	…	…	…	…	…
	Tail end of the cold front	…	…	…	…	…
	Tornado [C]	…	…	…	…	…
	Tropical Cyclones Destructive	…	…	…	…	…
	Tropical Cyclones Non-Destructive	…	…	…	…	…
	Wind [D]	…	…	…	…	…
N.E.C		…	…	…	…	…
	InterTropical Convergence Zone	…	…	…	…	…
	LPA/SW Monsoon/La Mesa Dam Overflow	…	…	…	…	…
	Miscellaneous	…	…	…	…	…
	Rockwall and Frost	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
	Sea Swelling	…	…	…	…	…
	Trashslide/Landslide	…	…	…	…	…

Note: "..." means zero
*Previously Economic Loss due to Natural Extreme Events and Disasters by Economic Activity
[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)
[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents
[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains, Hailstorm
[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado
[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves
Source: Office of Civil Defense (OCD)

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Table 4.6

DAMAGES DUE TO HUMAN INDUCED DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS

2010 to 2019

(In million pesos)

Disaster Sub-group	Disaster Type	Year				
		2010				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**13.0**	**...**	**192.4**	**...**	**205.4**
Armed		...	...	**0.1**	...	**0.1**
	Ambush Incident	...	...	...	...	...
	Armed Conflict	...	...	...	...	...
	Bomb/Grenade Explosion	...	...	0.1	...	0.1
	Civil Disturbance	...	...	...	...	...
	Family Feud	...	...	...	...	...
	Hostage Taking	...	...	...	...	...
	Military Operations	...	...	...	...	...
	Sabah Crisis	...	...	...	...	...
	Shooting Incidents	...	...	...	...	...
Aviation		...	...	...	...	...
	Air Mishaps	...	...	...	...	...
	Plane Crash	...	...	...	...	...
Chemical		...	...	...	...	...
	Gas Explosion (e.g.,LPG Tank)	...	...	...	...	...
	Mercury Poisoning	...	...	...	...	...
Epidemic		...	...	...	...	...
	Disease Outbreak	...	...	...	...	...
	Epidemic/Disease Outbreak/Viral Contamination	...	...	...	...	...
Fire		**13.0**	**...**	**192.4**	**...**	**205.4**
	Bus Burning	...	...	...	...	...
	Fire Incidents	...	...	...	...	...
	Structural Fire Incidents	13.0	...	192.4	...	205.4
	Vehicular Fire	...	...	...	...	...
Land		...	...	...	...	...
	Train Mishaps	...	...	...	...	...
	Vehicular Accidents	...	...	...	...	...
Maritime		...	...	...	...	...
	Drowning Incidents	...	...	...	...	...
	Maritime Accidents	...	...	...	...	...
	Sea Mishaps	...	...	...	...	...
Special events		...	...	...	...	...
	Stampede	...	...	...	...	...
Others		...	...	...	...	...
	Cave-in	...	...	...	...	...
	Chemical Explosions	...	...	...	...	...
	Chemical/Coal/Oil Spill	...	...	...	...	...
	Collapsed Structure	...	...	...	...	...
	Complex Emergencies	...	...	...	...	...
	Electrocution Incidents	...	...	...	...	...
	Firecracker Incidents	...	...	...	...	...
	Fish Kill	...	...	...	...	...
	Gas/Chemical Leak	...	...	...	...	...
	Internally Displaced Persons (IDP)	...	...	...	...	...
	Landmine Explosion	...	...	...	...	...
	Mining Incident	...	...	...	...	...
	Missing Fishermen	...	...	...	...	...
	Mountain Climbing	...	...	...	...	...
	Others	...	...	...	...	...
	Poisoning [A]	...	...	...	...	...
	Sinkhole	...	...	...	...	...
	Pest Infestation	...	...	...	...	...

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division

"..." means zero

*Previously Economic Loss due to Human Induced Disasters by Economic Activity

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

Source: Office of Civil Defense (OCD)

Table 4.6 (*Continued*)

Year									
2011					2012				
Infrastructure	Agriculture	Private/ Communication	Others	Total	Infrastructure	Agriculture	Private/ Communication	Others	Total
168.1	**265.4**	**0.03**	**…**	**433.5**	**127.6**	**…**	**45.2**	**…**	**172.8**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…

Table 4.6

DAMAGES DUE TO HUMAN INDUCED DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS (*Continued*)
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year 2013				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**2,890.8**	**205.7**	**517.5**	**…**	**3,614.0**
Armed		**2,883.8**	**204.4**	**0.02**	…	**3,088.2**
	Ambush Incident	…	…	…	…	…
	Armed Conflict	2,883.8	204.4	0.02	…	3,088.2
	Bomb/Grenade Explosion	…	…	…	…	…
	Civil Disturbance	…	…	…	…	…
	Family Feud	…	…	…	…	…
	Hostage Taking	…	…	…	…	…
	Military Operations	…	…	…	…	…
	Sabah Crisis	…	…	…	…	…
	Shooting Incidents	…	…	…	…	…
Aviation		…	…	…	…	…
	Air Mishaps	…	…	…	…	…
	Plane Crash	…	…	…	…	…
Chemical		…	…	…	…	…
	Gas Explosion (e.g.,LPG Tank)	…	…	…	…	…
	Mercury Poisoning	…	…	…	…	…
Epidemic		…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Contamination	…	…	…	…	…
Fire		**7.0**	**0.12**	**517.5**	…	**524.6**
	Bus Burning	…	…	…	…	…
	Fire Incidents	…	…	…	…	…
	Structural Fire Incidents	7.0	0.1	517.5	…	524.6
	Vehicular Fire	…	…	…	…	…
Land		…	…	…	…	…
	Train Mishaps	…	…	…	…	…
	Vehicular Accidents	…	…	…	…	…
Maritime		…	…	…	…	…
	Drowning Incidents	…	…	…	…	…
	Maritime Accidents	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
Special events		…	…	…	…	…
	Stampede	…	…	…	…	…
Others		…	**1.2**	…	…	**1.2**
	Cave-in	…	…	…	…	…
	Chemical Explosions	…	…	…	…	…
	Chemical/Coal/Oil Spill	…	…	…	…	…
	Collapsed Structure	…	…	…	…	…
	Complex Emergencies	…	…	…	…	…
	Electrocution Incidents	…	…	…	…	…
	Firecracker Incidents	…	…	…	…	…
	Fish Kill	…	1.2	…	…	1.2
	Gas/Chemical Leak	…	…	…	…	…
	Internally Displaced Persons (IDP)	…	…	…	…	…
	Landmine Explosion	…	…	…	…	…
	Mining Incident	…	…	…	…	…
	Missing Fishermen	…	…	…	…	…
	Mountain Climbing	…	…	…	…	…
	Others	…	…	…	…	…
	Poisoning [A]	…	…	…	…	…
	Sinkhole	…	…	…	…	…
	Pest Infestation	…	…	…	…	…

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division
"..." means zero

*Previously Economic Loss due to Human Induced Disasters by Economic Activity

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

Source: Office of Civil Defense (OCD)

Table 4.6 (*Continued*)

Year									
2014					2015				
Infrastructure	Agriculture	Private/ Communication	Others	Total	Infrastructure	Agriculture	Private/ Communication	Others	Total
296.5	**…**	**31.3**	**…**	**327.8**	**107.3**	**19.2**	**317.4**	**…**	**443.9**
…	…	…	…	…	**0.2**	**19.2**	…	…	**19.4**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	0.2	19.2	…	…	19.4
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
296.5	…	**31.3**	…	**327.8**	**107.1**	…	**317.4**	…	**424.5**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	107.1	…	317.4	…	424.5
296.5	…	31.3	…	327.8	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…

Table 4.6

DAMAGES DUE TO HUMAN INDUCED DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS (*Continued*)
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year				
		2016				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**37.5**	**8.0**	**45.0**	**…**	**90.6**
Armed		…	…	…	…	…
	Ambush Incident	…	…	…	…	…
	Armed Conflict	…	…	…	…	…
	Bomb/Grenade Explosion	…	…	…	…	…
	Civil Disturbance	…	…	…	…	…
	Family Feud	…	…	…	…	…
	Hostage Taking	…	…	…	…	…
	Military Operations	…	…	…	…	…
	Sabah Crisis	…	…	…	…	…
	Shooting Incidents	…	…	…	…	…
Aviation		…	…	…	…	…
	Air Mishaps	…	…	…	…	…
	Plane Crash	…	…	…	…	…
Chemical		…	…	…	…	…
	Gas Explosion (e.g.,LPG Tank)	…	…	…	…	…
	Mercury Poisoning	…	…	…	…	…
Epidemic		…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Contamination	…	…	…	…	…
Fire		**37.5**	**8.0**	**45.0**		**90.6**
	Bus Burning	…	…	…	…	…
	Fire Incidents	37.5	8.0	45.0		90.6
	Structural Fire Incidents	…	…	…	…	…
	Vehicular Fire	…	…	…	…	…
Land		…	…	…	…	…
	Train Mishaps	…	…	…	…	…
	Vehicular Accidents	…	…	…	…	…
Maritime		…	…	…	…	…
	Drowning Incidents	…	…	…	…	…
	Maritime Accidents	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
Special events		…	…	…	…	…
	Stampede	…	…	…	…	…
Others		…	…	…	…	…
	Cave-in	…	…	…	…	…
	Chemical Explosions	…	…	…	…	…
	Chemical/Coal/Oil Spill	…	…	…	…	…
	Collapsed Structure	…	…	…	…	…
	Complex Emergencies	…	…	…	…	…
	Electrocution Incidents	…	…	…	…	…
	Firecracker Incidents	…	…	…	…	…
	Fish Kill	…	…	…	…	…
	Gas/Chemical Leak	…	…	…	…	…
	Internally Displaced Persons (IDP)	…	…	…	…	…
	Landmine Explosion	…	…	…	…	…
	Mining Incident	…	…	…	…	…
	Missing Fishermen	…	…	…	…	…
	Mountain Climbing	…	…	…	…	…
	Others	…	…	…	…	…
	Poisoning [A]	…	…	…	…	…
	Sinkhole	…	…	…	…	…
	Pest Infestation	…	…	…	…	…

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division
"..." means zero

*Previously Economic Loss due to Human Induced Disasters by Economic Activity

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

Source: Office of Civil Defense (OCD)

Table 4.6 (*Continued*)

Year									
2017					2018				
Infrastructure	Agriculture	Private/ Communication	Others	Total	Infrastructure	Agriculture	Private/ Communication	Others	Total
64.9	**125.5**	**0.0**	**…**	**190.4**	**165.19**	**…**	**…**	**…**	**165.2**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
64.9	**…**	**…**	…	**64.9**	**164.9**	…	…	…	**164.9**
…	…	…	…	…		…	…	…	…
64.9	…	…	…	64.9		…	…	…	…
…	…	…	…	…	164.89	…	…	…	…
…	…	…	…	…		…	…	…	…
…	…	…	…	…	**0.1**	…	…	…	**0.1**
…	…	…	…	…		…	…	…	…
…	…	…	…	…	0.1	…	…	…	…
…	…	…	…	…	**0.1**	…	…	…	**0.1**
…	…	…	…	…		…	…	…	…
…	…	…	…	…	0.1	…	…	…	…
…	…	…	…	…		…	…	…	…
…	…	…	…	…		…	…	…	…
…	…	…	…	…		…	…	…	…
…	**125.5**	…	…	**125.5**	**0.1**	…	…	…	**0.1**
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
	125.487		…		…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	…	…	…	…	…
…	…	…	…	…	0.1	…	…	…	…

Table 4.6

DAMAGES DUE TO HUMAN INDUCED DISASTERS [1] BY ECONOMIC ACTIVITY* FOR MINOR INCIDENTS (*Concluded*)
2010 to 2019
(In million pesos)

Disaster Sub-group	Disaster Type	Year				
		2019				
		Infrastructure	Agriculture	Private/ Communication	Others	Total
Total		**0.01**	**…**	**700.0**	**14.6**	**714.6**
Armed		…	…	…	…	…
	Ambush Incident	…	…	…	…	…
	Armed Conflict	…	…	…	…	…
	Bomb/Grenade Explosion	…	…	…	…	…
	Civil Disturbance	…	…	…	…	…
	Family Feud	…	…	…	…	…
	Hostage Taking	…	…	…	…	…
	Military Operations	…	…	…	…	…
	Sabah Crisis	…	…	…	…	…
	Shooting Incidents	…	…	…	…	…
Aviation		…	…	…	…	…
	Air Mishaps	…	…	…	…	…
	Plane Crash	…	…	…	…	…
Chemical		…	…	…	…	…
	Gas Explosion (e.g.,LPG Tank)	…	…	…	…	…
	Mercury Poisoning	…	…	…	…	…
Epidemic		…	…	…	…	…
	Disease Outbreak	…	…	…	…	…
	Epidemic/Disease Outbreak/Viral Contamination	…	…	…	…	…
Fire		**0.01**	…	**700.0**	**14.6**	**714.6**
	Bus Burning	…	…	…	…	…
	Fire Incidents	…	…	…	…	…
	Structural Fire Incidents	0.01		699.96	14.60	699.97
	Vehicular Fire	…	…	…	…	…
Land		…	…	…	…	…
	Train Mishaps	…	…	…	…	…
	Vehicular Accidents	…	…	…	…	…
Maritime		…	…	…	…	…
	Drowning Incidents	…	…	…	…	…
	Maritime Accidents	…	…	…	…	…
	Sea Mishaps	…	…	…	…	…
Special events		…	…	…	…	…
	Stampede	…	…	…	…	…
Others		…	…	…	…	…
	Cave-in	…	…	…	…	…
	Chemical Explosions	…	…	…	…	…
	Chemical/Coal/Oil Spill	…	…	…	…	…
	Collapsed Structure	…	…	…	…	…
	Complex Emergencies	…	…	…	…	…
	Electrocution Incidents	…	…	…	…	…
	Firecracker Incidents	…	…	…	…	…
	Fish Kill	…	…	…	…	…
	Gas/Chemical Leak	…	…	…	…	…
	Internally Displaced Persons (IDP)	…	…	…	…	…
	Landmine Explosion	…	…	…	…	…
	Mining Incident	…	…	…	…	…
	Missing Fishermen	…	…	…	…	…
	Mountain Climbing	…	…	…	…	…
	Others	…	…	…	…	…
	Poisoning [A]	…	…	…	…	…
	Sinkhole	…	…	…	…	…
	Pest Infestation	…	…	…	…	…

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division
"..." means zero

*Previously Economic Loss due to Human Induced Disasters by Economic Activity

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

Source: Office of Civil Defense (OCD)

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Table 4.7
MAJOR NATURAL EXTREME EVENTS AND DISASTERS
2010 to 2019

Dates	Disaster Sub-group	Disaster Type	Disaster	Areas Affected	Casualties		
					Dead	Injured	Missing
Total Disaster					**10,888**	**44,994**	**2,689**
2010					**133**	**133**	**50**
July 11 to 14	Meteorological	Storm	Typhoon Basyang	Regions III, CALABARZON, V, VI, and NCR	102	91	46
October 16 to 21			Typhoon Juan	Regions I, II, III, CALABARZON, CAR, and NCR	31	42	4
2011					**1,557**	**6,312**	**244**
May 6 to 11	Meteorological	Storm	Tropical Storm Bebeng	Regions III, IV-A, IV-B, NCR, V, VII and VIII	35	11	2
May 20 to 28			Typhoon Chedeng	Regions NCR, II, V, IX, X, XII and ARMM	4	0	0
June 9 to 10			Tropical Storm Dodong	Regions I, II, III, IV-A, and IV-B	3	1	3
June 14 to 20			Tropical Depression Egay	Regions III and NCR	2	1	0
June 21 to 25			Tropical Storm Falcon	Regions I, II, III and NCR	12	4	12
July 25 to 28			Tropical Storm Juaning	Regions III, IV-A,IV-B, V, VII, VIII and NCR	77	53	8
July 28 to Aug 5			Tropical Storm Kabayan	Regions I, III, IV toA, VI and NCR	8	5	1
August 21 to 29			Typhoon Mina	Regions I, II, V, VI,CAR and NCR	36	37	8
September 24 to 28			Typhoon Pedring	Regions I, II, III, IV-A, IV-B, V, VI, CAR and NCR	85	91	21
September 29 to October 02			Typhoon Quiel	Regions I, II, III and CAR	17	32	7
October 10 to 14			Tropical Storm Ramon	Regions IV-B, VI, VII, VIII, X, XII and CARAGA	10	6	1
December 16 to 18			Tropical Storm Sendong	Regions VI, VII, IX, X, XI and CARAGA	1,268	6,071	181
2012					**1,386**	**2,747**	**860**
May 31 to June 05	Meteorological	Storm	Tropical Storm Ambo	Northern Luzon, Aurora, Isabela, Cagayan, and Babuyan Island	3	7	5
June 14 to 18			Typhoon Butchoy	Aurora, Batanes, and Eastern Samar	1	0	0
June 25 to 29			Tropical Storm Dindo	Regions I and X		0	0
July 20 to 21			Tropical Depression Ferdie	Region IV -A	6	0	3
July 28 to 31			Tropical Depression Gener	Regions I,II,III,IV-A, IV-B,V, VI,VII,IX,X,XI,XII, CAR and NCR	54	35	3
August 11 to 16			Tropical Depression Helen	Regions I, II,III, IV-B and CAR	10	17	0
August 19 to 28			Typhoon Igme	Regions I, IV-A, IX and X	9	0	2
September 11 to 15			Tropical Depression Karen	Regions III, VIII and NCR	1	0	0
September 20 to 29			Typhoon Lawin	Regions IV-B and XI	3	0	1
October 01 to 06			Tropical Storm Marce	Regions III and IV-B	1	0	3
October 22 to 26			Tropical Depression Ofel	Regions III, IV-A, IV-B, V, VI, VII, VIII, IX, XII, CAR and CARAGA	27	19	6
December 02 to 09			Typhoon Pablo	Regions I, IV-B, VI, VII, VIII, IX, X, XI, XII, ARMM, CARAGA	1,248	2,666	834
December 25 to 27			Tropical Depression Quinta	Regions IV-A, IV-B, VI, VIII and CARAGA	23	3	3

Table 4.7 (*Continued*)

Affected		Damaged Houses		Damaged Properties (php millions)					Total Cost of Damages (In millions)	
Families	Persons	Total	Part	Agriculture	Infrastructure	Private/ Communication	Others			
22,097,935	**103,125,259**	**1,358,029**	**4,512,896**	**244,767.1**	**98,644.1**	**65,468.6**	**-**	**P**	**408,879.8**
542,849	**2,594,370**	**37,426**	**184,082**	**11,760.0**	**199.0**	**425.3**	…	**P**	**12,384.4**
114,905	585,383	7,378	65,908	232.0	93.7	49.1	…	P	374.8
427,944	2,008,987	30,048	118,174	11,528.0	105.3	376.2	…	P	12,009.6
2,088,909	**9,884,577**	**38,380**	**149,570**	**18,726.3**	**8,758.7**	**3,116.4**	…	**P**	**30,601.3**
83,632	431,837	64	10,134	1,085.7	1,167.5	…	…	P	2,253.2
91,767	446,907	83	48	8.8	5.5	4.6	…	P	18.9
325	2,080	36	300	…	…	6.2	…	P	6.2
7,970	37,837	8	34	…	…	....	…		…
389,348	1,792,376	165	1,215	241.0	405.8	....	…	P	646.9
255,129	1,285,906	11,196	21,710	1,590.9	2,850.9	....	…	P	4,441.8
23,238	93,888	11	75	2.0	…	0.5	…	P	2.5
97,006	411,468	159	2,918	1,668.5	420.8	…	…	P	2,089.3
667,602	3,105,355	7,491	47,022	13,457.8	2,094.8	…	…	P	15,552.6
323,303	1,489,535	5,553	28,493	…	115.1	…	…	P	115.1
17,971	88,506	29	62	…	…	…	…		…
131,618	698,882	13,585	37,559	671.5	1,698.2	3,105.1	…	P	5,474.8
1,098,950	**8,006,126**	**93,419**	**142,367**	**34,267.6**	**7,819.9**	**2,860.2**	…	**P**	**44,947.7**
0	0	0	0	…	…	…	…		…
71	310	0	0	…	…	…	…		…
4,836	22,714	0	13	…	15.5	…	…	P	15.5
1,381	5,118	0	0	0.6	5.4	…	…	P	6.0
211,967	948,696	1,424	7,945	424.4	301.3	2.6	…	P	728.3
40,836	181,527	15	29	125.1	....	…	…	P	125.1
1,298	5,790	1	44	4.1	....	…	…	P	4.1
3,232	13,033	0	0	…	....	0.03	…	P	0.0
8,131	33,898	146	105	…	....	…	…		…
66	322	0	0	…	....	…	…		…
36,353	173,427	236	2,558	96.4	113.0	…	…	P	209.4
711,682	6,243,998	89,666	127,151	33,470.2	6,836.5	2,857.5	…	P	43,164.2
79,097	377,293	1,931	4,522	146.9	548.1	…	…	P	695.0

Table 4.7
MAJOR NATURAL EXTREME EVENTS AND DISASTERS (*Continued*)
2010 to 2019

Dates	Disaster Sub-group	Disaster Type	Disaster	Areas Affected	Casualties		
					Dead	Injured	Missing
2013					**6,678**	**29,800**	**1,091**
October 15	Geophysical	Earthquake	Magnitude 7.2 Earthquake	Sagbayan, Bohol	227	976	8
January 3 to 4	Meteorological	Storm	Tropical Depression Auring	Regions IV-B, IX and XI	2	12	0
January 11 to 13			Tropical Storm Bising	Regions V,VIII, XI, XII and CARAGA	0	0	0
February 18 to 20			Tropical Storm Crising	Regions IV-B, VI, VII, VIII, IX, X, XI, XIII, CARAGA & ARMM	12	4	2
June 27 to July 1			Tropical Storm Gorio	Regios IV-A, IV-B, V. VI and VIII	7	4	0
July 7 to 28			Low Pressure Area embedded in ITCZ	Regions X, XII and ARMM	3	11	0
August 1 to 5			Low Pressure Area	Regions IV-A, VI, VII, IX and XII	8	10	1
August 9 to 12			Typhoon Labuyo	Regions I, II,III, V and CAR	11	7	2
August 17 to 21			Tropical Storm Maring (Induced Habagat)	Regions I, III, IV-A, IV-B, CAR and NCR	32	30	3
August 25 to 29			Tropical Depression Nando	Regions I, VIII, and CAR	1	1	0
September 16 to 22			Tropical Storm Odette	Regions I, II, III, IV toB, V, VI, and CAR	4	16	2
September 22 to 26			Southwest Monsoon	Regions III, IV toA, IV toB, and NCR	31	8	2
October 4 to 8			Intertropical Convergence Zone		20	0	2
October 8 to13			Tropical Storm Santi	Regions I,II, III, IV-A and V	15	32	5
October 29 to November 1			Typhoon Vinta	Regions I, II and CAR	5	1	2
November 6 to 9			Typhoon Yolanda	Regions IV-A, IV-B, V, VI, VII, VIII, X, XI & CARAGA	6,300	28,688	1,062
2014					**301**	**3,335**	**32**
January 17 to 20	Meteorological	Storm	Tropical Depression Agaton	Regions X, XI, and CARAGA	70	86	9
January 30 to February 1			Tropical Depression Basyang	Regions VI, VII, VIII and CARAGA	6	1	0
March 21 to 25			Tropical Depression Caloy	Regions VIII, XI, and CARAGA	0	0	0
July 13 to 17			Typhoon Glenda	Regions I, III, IV-A, IV-B, V, VIII, and NCR	106	1,257	5
July 18 to 23			Typhoon Henry	Regions IV-B, VI	0	15	0
August 02 to 07			Typhoon Jose	Regions I and III	2	0	0
September 12 to15			Typhoon Luis	Regions I, II, III, IV-A, VI, CAR, and NCR	5	2	0
September 17 to 22			Typhoon Mario	Regions I, II, III, IV-A, IV-B, V, VII, CAR, and NCR	18	16	4
November 26 to 28			Tropical Depression Queenie	Regions IV-B, VI, VII, VIII, X, XI, and CARAGA	4	2	8
December 4 to 10			Typhoon Ruby	Regions III, IV-A, IV-B, V, VI, VII, VIII, CARAGA, and NCR	24	1,913	0
December 28 to 31			Tropical Storm Seniang	Regions IV-B, VI, VII, VIII, IX, X, XI, and CARAGA)	66	43	6

Table 4.7 (*Continued*)

Affected		Damaged Houses		Damaged Properties (php millions)				Total Cost of Damages (In millions)	
Families	Persons	Total	Part	Agriculture	Infrastructure	Private/ Communication	Others		
5,523,982	**25,994,087**	**534,545**	**817,247**	**31,921.0**	**16,565.0**	**58,179.8**	…	**P**	**106,665.9**
671,099	3,219,970	15,933	62,296	…	2,257.3	…	…	P	2,257.3
2,610	10,597	63	122	…	1.5	…	…	P	1.5
5,454	16,801	0	0	…	1.5	…	…	P	1.5
20,086	360, 577	447	899	11.2	…	…	…	P	11.2
1,328	6,418	23	48	1.8	…	…	…	P	1.8
104,353	520,329	9	33	1,541.0	101.6	…	…	P	1,642.5
3,079	13,983	63	80	0.5	47.0	…	…	P	47.5
90,026	407,493	2,592	18,605	1,004.6	573.8	…	…	P	1,578.4
697,263	3,110,218	654	1,987	784.5	610.2	…	…	P	1,394.7
3,699	17,741	0	10	…	0.1	…	…	P	0.1
17,041	79,127	586	2,877	32.3	308.0	…	…	P	340.3
124,147	592,893	81	79	56.1	133.6	…	…	P	189.7
56,387	265,538	307	1,303	65.1	72.0	…	…	P	137.1
247,448	1,389,029	20,787	101,014	3,172.2	130.3	…	…	P	3,302.6
55,369	265,769	3,837	32,745	3.7	272.9	…	…	P	276.6
3,424,593	16,078,181	489,163	595,149	25,248.0	12,055.2	58,179.8	…	P	95,483.1
2,988,919	**13,442,085**	**159,932**	**791,781**	**42,716.6**	**10,535.0**	**274.1**	…	**P**	**53,525.8**
236,449	1,092,398	1,704	2,327	293.1	2,674.9	26.7	…	P	2,994.7
10,482	47,740	33	394	0.6	8.5	…	…	P	9.1
3,891	19,329	0	0	…	…	…	…		…
1,028,319	4,673,967	112,067	521,613	33,849.2	4,520.0	247.4	…	P	38,616.6
214	831	47	266	…	…	…	…		…
4,355	15,769	0	0	1.6	…	…	…	P	1.6
116,733	508,367	194	2,145	1,111.4	84.7	…	…	P	1,196.1
453,190	2,052,141	2,256	9,335	3,105.7	646.0	…	…	P	3,751.7
13,182	65,239	343	3,399	…	…	…	…		…
992,729	4,363,677	42,634	249,433	3,635.8	2,048.5	…	…	P	5,684.3
129,375	602,627	654	2,869	719.2	552.4	…	…	P	1,271.6

Table 4.7
MAJOR NATURAL EXTREME EVENTS AND DISASTERS (*Continued*)
2010 to 2019

Dates	Disaster Sub-group	Disaster Type	Disaster	Areas Affected	Casualties		
					Dead	Injured	Missing
2015					**173**	**159**	**35**
July 2015 to July 2016	Climatological	Extreme Temperature	El Niño	Regions CAR, I, II, III, CALABARZON, MIMAROPA, V, VI, NIR, VII, VIII, IX, X, XI, XII, CARAGA, and ARMM	0	0	0
January 16 to 19	Meteorological	Storm	Tropical Depression Amang	Regions V , VII, VIII	2	0	0
April 1 to 5			Typhoon Chedeng	Regions II and III	0	0	0
May 7 to12			Typhoon Dodong	Region II	2	0	0
June 24			Intertropical Convergence Zone	Regions XII and ARMM	7	6	0
July 2 to 7			Severe Tropical Storm Egay	Regions I, IV-B, and CAR	0	0	0
July 2 to 20			Enhanced Southwest Monsoon	Regions I, III, IV-A , NCR and CAR	19	11	8
August 5 to 8			Typhoon Hanna	Regions VI, VII and XII	0	0	0
August 18 to 23			Typhoon Ineng	Regions I, II, IV-A, IV-B and CAR	33	24	7
September 23 to 29			Typhoon Jenny	NIR	0	0	0
October 1 to 3			Tropical Storm Kabayan	Regions I and III	1	3	12
October 14 to 21			Typhoon Lando	Regions I, II, III, IV-A, V, NCR and CAR	58	87	4
December 12 to 17			Typhoon Nona	Regions III, IV-B, V and VIII	51	28	4
December 16 to 18			Tropical Depression Onyok	Regions X,XI, and CARAGA	0	0	0
2016					**69**	**138**	**26**
July 5 to 8	Meteorological	Storm	Typhoon Butchoy	Regions III, IV-A, IV-B, NCR, II	2	2	0
July			Southwest Monsoon	Regions III, IV-A	0	0	0
July 29 to August 1			Tropical Storm Carina	Regions I, II, V, VI, CAR	0	0	0
August 8 to 24			Southwest Monsoon	Regions NCR, I, III, IV-A, IV-B, VI, NIR, CAR	25	16	3
September 11 to 14			Tropical Depression Ferdie	Regions I, II, CAR	0	0	0
September 24 to 28			Typhoon Helen	Region III	0	0	0
October 13 to 17			Typhoon Karen	Regions I, II, III, IV-A, V, CAR	0	0	0
October 17 to 20			Typhoon Lawin	Regions I, II, III, IV-A, V, CAR	23	120	0
November 23 to 28			Tropical Storm Marce	Regions IV-B, VI, VII, VIII, CARAGA	3	0	2
December 23 to 27			Typhoon Nina	Regions IV-A, IV-B, V, VIII	16	0	21

Table 4.7 (*Continued*)

Affected		Damaged Houses		Damaged Properties (php millions)				Total Cost of Damages (In millions)	
Families	Persons	Total	Part	Agriculture	Infrastructure	Private/ Communication	Others		
2,728,302	**12,389,161**	**129,803**	**334,148**	**32,366.3**	**8,348.8**	**29.7**	…	**P**	**40,744.8**
1,481,994	6,962,727	0	0	12,834.3	…	…	…	P	12,834.3
25,201	106,808	49	491	507.4	829.8	…	…	P	1,337.3
708	2,761	0	0	…	…	…	…		…
1,279	4,523			12.5	3.8	…	…	P	16.3
25,876	126,338	72	175	136.3	176.1	…	…	P	312.4
13,280	55,567	7	198	147.7	67.0	…	…	P	214.7
26,158	124,416	18	68	3.9	1.5	…	…	P	5.4
11,880	58,255	20	23	0.4	…	…	…	P	0.4
87,704	387,999	188	5,554	2,183.3	2,333.6	29.7	…	P	4,546.6
2,561	12,781	13	0	…	…	…	…		…
12,281	59,568	97	606	6.3	40.6	…	…	P	46.9
733,152	3,126,130	18,795	118,885	10,910.4	3,482.0	…	…	P	14,392.4
303,507	1,349,532	110,539	208,145	5,623.8	1,413.3	…	…	P	7,037.1
2,721	11,756	5	3	…	1.1	…	…	P	1.1
1,571,073	**7,049,886**	**142,773**	**527,253**	**21,148.4**	**13,633.2**	…	…	**P**	**34,781.5**
8,130	33,800	0	9	0.4	…	…	…	P	0.4
4,930	20,840	0	0	…	…	…	…		…
1,976	8,809	3	43	137.4	28.0	…	…	P	165.4
276,255	1,264,310	291	166	600.3	777.6	…	…	P	1,377.9
4,588	16,648	444	2,570	138.6	222.8	…	…	P	361.4
532	2,555	0	0	1.3	…	…	…	P	1.3
70,169	318,378	0	0	3,797.4	267.1	…	…	P	4,064.5
541,805	2,424,300	43,053	229,931	7,620.4	8,639.5	…	…	P	16,259.9
18,288	76,824	9	101	257.3	29.9	…	…	P	287.2
644,400	2,883,422	98,973	294,433	8,595.3	3,668.2	…	…	P	12,263.5

Table 4.7
MAJOR NATURAL EXTREME EVENTS AND DISASTERS (*Continued*)
2010 to 2019

Dates	Disaster Sub-group	Disaster Type	Disaster	Areas Affected	Casualties		
					Dead	Injured	Missing
2017					**253**	**797**	**224**
February 10	Geophysical	Earthquake	Magnitude 6.7 Earthquake	Caraga	8	189	0
April 4			Earthquake Swarm	Region IV-A	0	6	0
April 12			Magnitude 6.0 Earthquake	Regions X, ARMM	0	0	0
April 29			Magnitude 7.2 Earthquake	Region XII	0	5	0
July 6			Magnitude 6.5 Earthquake	Region VIII	3	493	0
January 7 to 9	Meteorological	Storm	Tropical Depression Auring	Caraga	0	0	0
February 3 to 6			Tropical Depression Bising	Regions NCR, II, III, IV-A, IV-B	2	2	0
February 15 t o March 9			Tail-End of a Cold Front (TECF)	Regions IX, X, XI, XII, Caraga, ARMM	0	0	0
April 14 to 15			Tropical Depression Crising	Regions VII, VIII	1	0	0
July 10			Continous Rains	Regions XII, ARMM	1	6	0
July 25 to 30			Tropical Depression Gorio	Regions NCR, I, III, IV-A, CAR	0	0	0
August 24 to 26			Tropical Storm Jolina	Regions I, II, III, CAR	0	0	0
September 11 to 13			Typhoon Lannie and Tropical Storm Maring	Regions NCR, III, IV-A, IV-B, V	25	0	4
October 11 to 14			Severe Tropical Storm Odette	Regions II, III, CAR	1	0	0
October 15			Intertropical Convergence Zone	Regions IX, ARMM	0	0	0
October 16 to 22			Typhoon Paolo	Regions VI, VII, IX, XII, ARMM	0	0	0
November 1 to 3			Severe Tropical Storm Ramil	Regions IV-B, V	0	0	0
November 9 to 11			Tropical Storm Salome	Regions III, IV-A, V	0	0	0
November 17 to 18			Tropical Storm Tino	Regions IV-B, XI	0	0	0
November			Northeast Monsoon	Regions II, CAR	0	0	0
December 12 to 19			Tropical Storm Urduja	Regions IV-A, IV-B, V, VI, VII, VIII, XI, Caraga	47	78	44
December 20 to 24			Tropical Storm Vinta	Regions IV-B, VII, VIII, IX, X, XI, XII, Caraga, ARMM	165	18	176
2018					**287**	**202**	**102**
	Geophysical	Volcanic Activit	Mayon Volcano Eruption	Region V	0	0	0
September 20		Landslide	Landslide Incident	Region VIII	77	7	57
January 12 to 29	Meteorological	Storm	Tail-End of a Cold Front and Trough of Low Pressure Area	Regions V, VI, VII, VIII, X, and XI	4	0	36
January 1 to 3			Tropical Depression Agaton	Regions MIMAROPA, VI, VII, VIII, X, CARAGA, and BARMM	3	9	0
February 11 to 14			Tropical Depression Basyang	Regions MIMAROPA, VI, VII, VIII, and CARAGA	0	0	0
June 5 to 15			Tropical Depression Domeng and Ester	Regions I, III, MIMAROPA, and CAR	3	3	0
July 9 to 10			Tropical Cyclone Gardo	Regions III and BARMM	0	0	0
July 15 to 23			Tropical Cyclone Henry, Inday and Josie	Regions I, II, III, CALABARZON, MIMAROPA, VI, VII, CAR, and NCR	30	1	1
August 7 to 11			Tropical Storm Karding	Regions I, II, III, CAR, and NCR	2	0	3
August 23 to 24			Tropical Depression Luis	Regions I and CAR	0	0	0
September 12 to 16			Tropical Cyclone Ompong	Regions I, II, III, CALABARZON, MIMAROPA, V, VI, CAR, and NCR	120	138	4
October 27 to 31			Tropical Cyclone Rosita	Regions I, II, III, CALABARZON, MIMAROPA, VIII, and CAR	20	2	0
November 18 to 22			Tropical Depression Samuel	Regions V, VI, VIII, and CARAGA	0	0	0
December 25 to 29			Tropical Depression Usman	Regions CALABARZON, MIMAROPA, V, and VIII	28	42	1

Table 4.7 (*Continued*)

Affected		Damaged Houses		Damaged Properties (php millions)				Total Cost of Damages (In millions)	
Families	Persons	Total	Part	Agriculture	Infrastructure	Private/ Communication	Others		
848,655	**3,760,125**	**11,783**	**55,740**	**4,354.6**	**2,930.1**	**19.5**	…	**P**	**7,304.3**
10,691	53,455	555	10,090	…	719.6	…	…	P	719.6
6,710	29,925	579	2,718	…	…	…	…		…
1,342	5,765	817	52	…	…	…	…		…
3	18	0	4	…	…	…	…		…
4,130	16,052	1,484	2,155	35.2	165.5	19.5	…	P	220.2
9,111	38,882	0	0	38.6	…	…	…	P	38.6
8,130	33,800	0	9	0.4	…	…	…	P	0.4
44,912	173,221	58	137	…	…	…	…		…
113	427	83	91	…	…	…	…		…
92,647	454,934	11	15	22.2	…	…	…	P	22.2
1,656	7,339	52	114	8.8	…	…	…	P	8.8
929	3,397	0	0	…	…	…	…		…
9,410	40,830	329	1,493	219.5	47.6	…	…	P	267.0
961	4,721	2	0	4.4	…	…	…	P	4.4
4,710	23,520	309	459	…	…	…	…		…
29,587	145,017	532	579	…	…	…	…		…
78	305	0	0	…	…	…	…		…
1,303	5,673	44	102	257.7	19.5	…	…	P	277.3
497	0	1	2	…	…	…	…		…
18,552	72,607	0	0	…	…	…	…		…
435,220	1,852,900	2,748	32,538	1,910.4	1,735.2	…	…	P	3,645.6
167,963	797,337	4,179	5,182	1,857.4	242.7	…	…	P	2,100.1
2,528,903	**10,426,876**	**37,613**	**409,135**	**41,201.0**	**26,196.5**	**224.5**	…	**P**	**67,622.0**
23,786	91,055	0	0	166.3	…	…	…	P	166.3
2,087	8,655	57	0	…	…	…	…		…
39,211	179,552	27	1,844	9.7	…	…	…	P	9.7
18,547	83,908	39	123	607.2	27.5	…	…	P	634.7
61,273	255,470	436	1,666	168.0	…	…	…	P	168.0
3,599	13,477	16	23	…	…	…	…		…
24	87	5	15	…	…	…	…		…
532,066	2,231,101	393	8,158	3,288.6	1,783.5	…	…	P	5,072.1
434,573	1,756,891	515	2,864	258.8	952.3	…	…	P	1,211.1
73,898	304,900	58	430	…	…	…	…	…	0.0
931,893	3,816,989	24,827	294,357	31,647.7	11,316.1	224.5	…	P	43,188.3
136,273	544,568	6,603	59,562	2,904.8	…	…	…	P	2,904.8
33,573	124,265	135	2,611	52.2	…	…	…	P	52.2
238,100	1,015,958	4,502	37,482	2,097.6	12,117.2	…	…	P	14,214.8

Table 4.7
MAJOR NATURAL EXTREME EVENTS AND DISASTERS (*Continued*)
2010 to 2019

Dates	Disaster Sub-group	Disaster Type	Disaster	Areas Affected	Casualties		
					Dead	Injured	Missing
2019					**51**	**1,371**	**25**
	Climatological	Extreme Temperature	El Niño	Regions I, II, III, CALABARZON, MIMAROPA, V, VI, VII, VIII, IX, X, XI, XII, CARAGA, and CAR	0	0	0
January 22	Hydrological	Flashflood	Flashflood and lanslide Incidents	Davao Oriental	2	2	1
April 22	Geophysical	Earthquake	Magnitude 6.1 Earthquake in Castillejos, Zambales	Regions I, III, CALABARZON, and NCR	0	183	0
July 13			Magnitde 5.5 Earthquake in Carrascal, Surigao del Sur	Carrascal, Surigao del Sur	0	46	0
July 27			Magnitde 5.4 and 5.9 Earthquake in Itbayat, Batanes	Region II	9	0	0
October 16			Magnitde 6.3 Earthquake in Tulunan, North Cotabato	Regions X, XI, XII, and BARMM	7	215	0
October 29			Magnitde 6.6 and 6.5 Earthquake in Tulunan, North Cotabato	Regions X, XI, XII, and BARMM	23	563	11
November 18			Magnitde 5.9 Earthquake in Kadingilan, Bukidnon	Region X	0	0	0
December 15			Magnitde 6.9 Earthquake in Matanao, Davao del Sur	Regions XI and XII	0	0	0
			Magnitude 6.5 EQ in San Julian, Eastern Samar	Region VIII	0	41	0
January 14	Meteorological	Storm	Trough of Low Pressure Area	Regions XI and CARAGA	0	0	0
January 19 to 21			Tropical Depression Amang	CARAGA	0	0	0
January 26 to 31			Tail-End of a Cold Front	Regions XI and CARAGA	0	0	0
March 17 to 29			Tropical Depression Chedeng	Region XI	0	0	0
June 29 to July 1			Tropical Depression Egay	Region III	0	0	0
July 15 to 18			Tropical Storm Falcon	Regions I, II, and CAR	0	0	0
July 15 to 22			Southwest Monsoon (July)	Regions III, VI, and X	0	0	0
August			Southwest Monsoon (August)	Regions I, III, CALABARZON, MIMAROPA, VI, and CAR	0	0	0
August 20 to 28			Tropical Cyclone Ineng and Jenny	Regions I, II, III, and CAR	0	0	0
September 12 to 14			Tropical Depression Marilyn	Regions IX, XI, and XII	0	0	0
September 17 to 21			Severe Tropical Storm Nimfa	Regions I, III, and CAR	0	0	0
November 5 to 9			Typhoon Quiel	Regions I, II, MIMAROPA, and CAR	6	3	13
November 12 to 20			Tropical Storm Ramon	Regions I, II, V, and CAR	0	0	0
November 30 to December 5			Typhoon Tisoy	Regions III, CALABARZON, MIMAROPA, V, VI, VIII, and CARAGA	4	318	0
December 23 to 28			Typhoon Ursula	Regions MIMAROPA, V, VI, VII, VIII, and CARAGA	0	0	0

Note: "..." means zero
Source: Office of Civil Defense (OCD)

Table 4.7 (*Concluded*)

Affected		Damaged Houses		Damaged Properties (php millions)				Total Cost of Damages (In millions)	
Families	Persons	Total	Part	Agriculture	Infrastructure	Private/ Communication	Others		
2,177,393	**9,577,966**	**172,355**	**1,101,573**	**6,305.3**	**3,657.8**	**339.0**	…	**P**	**10,302.1**
500,581	2,432,804	0	0	…	…	…	…		…
240	610	85	136	2.3	…	…	…	P	2.3
3,630	18,086	1,046	3,329	…	200.0	339.0	…	P	539.0
2,152	9,609	67	2,385	…	36.1	…	…	P	36.1
1,025	2,982	182	27	…	…	…	…		…
7,303	35,481	1,288	5,030	…	…	…	…		…
71,247	349,266	25,895	21,767	32.4	…	…	…	P	32.4
581	2,477	61	379	…	…	…	…		…
86,548	394,355	7,324	37,793	…	…	…	…		…
252	1,008	1	244	…	…	…	…		…
3,383	10,996	2	0	…	…	…	…		…
3,760	16,574	0	0	…	…	…	…		…
19,486	93,862	33	34	…	…	…	…		…
1,609	6,661	4	15	…	1.2	…	…	P	1.2
68	270	0	0	…	…	…	…		…
429	1,907	1	2	0.7	…	…	…	P	0.7
8,622	39,522	75	12	…	…	…	…		…
41,561	170,568	56	75	80.5	…	…	…	P	80.5
25,364	106,883	33	67	209.1	31.4	…	…	P	240.5
3,125	15,436	44	155	…	…	…	…		…
9,540	45,282	1	3	…	…	…	…		…
37,746	154,985	66	125	…	…	…	…		…
9,600	35,631	13	9	…	…	…	…		…
556,446	2,364,796	75,595	559,773	2,955.7	2,945.0	…	…	P	5,900.7
783,095	3,267,915	60,483	470,213	3,024.7	444.2	…	…	P	3,468.9

Table 4.8
MAJOR HUMAN INDUCED DISASTERS
2010 to 2019

Dates	Disaster Sub-group	Disaster	Areas Affected	Casualties		
				Dead	Injured	Missing
Total Disaster				**1,290**	**153,816**	**336**
2013				**240**	**242**	**0**
September 9	Armed	Zamboanga Crisis	Region IX	240	242	0
2017				**172**	**0**	**336**
May 23	Armed	Marawi Siege	Regions VI, VII, IX, X, XI, XII, Caraga, ARMM	172	0	336
2019				**878**	**153,574**	**0**
	Epidemic	Dengue Outbreak	Regions I, III, CALABARZON, MIMAROPA, V, VI, VII, VIII, X, XII, and CARAGA	540	130,011	0
		Measles Outbreak	Nation-wide	338	23,563	0

Note: "..." means zero

Source: Office of Civil Defense (OCD)

Table 4.8 (*Continued*)

Affected		Damaged Houses		Damaged Properties (PhP millions)				Total Cost of Damages (In millions)	
Families	Persons	Total	Part	Agriculture	Infrastructure	Private/ Communication	Others		
123,751	**562,875**	**10,168**	**0**	**204.4**	**2,883.2**	…	…	**P**	**3,087.6**
23,794	**118,819**	**10,160**	**0**	**204.4**	**2,883.2**	…	…	**P**	**3,087.6**
23,794	118,819	10,160	0	204.4	2,883.2	…	…	P	3,087.6
99,957	**444,056**	**8**	**0**	…	…	…	…		…
99,957	444,056	8	0	…	…	…	…		…
0	**0**	**0**	**0**	…	…	…	…		…
0	0	0	0	…	…	…	…		…
0	0	0	0	…	…	…	…		…

Table 4.9
NUMBER OF INJURED DUE TO NATURAL EXTREME EVENTS AND DISASTERS [1] BY TYPE FOR MINOR INCIDENTS
2010 to 2019

Disaster Sub-group	Disaster Type	Year									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total		**57**	**493**	**266**	**1,076**	**347**	**68**	**91**	**21**	**52**	**9**
Biological		…	**183**	**19**	…	**322**	…	…	…	…	…
	Bird Strikes	…	…	…	…	…	…	…	…	…	…
	Disease Outbreak	…	183	19	…	322	…	…	…	…	…
	Fish Kill	…	…	…	…	…	…	…	…	…	…
	Pest Infestation	…	…	…	…	…	…	…	…	…	…
Climatological		…	…	…	…	…	…	…	…	…	…
	Drought/ El Niño Phenomenon	…	…	…	…	…	…	…	…	…	…
	Dry Spell	…	…	…	…	…	…	…	…	…	…
	Wildfire/Bushfire	…	…	…	…	…	…	…	…	…	…
Geophysical		**22**	**73**	**198**	**1,008**	**7**	**7**	…	**4**	…	**3**
	Coastal Erosion	…	…	…	…	…	…	…	…	…	…
	Earthquakes	…	38	178	976	…	…	…	4	…	3
	Landslides/Cave-in	19	35	20	32	7	7	…	…	…	…
	Mudflow (Lahar)	…	…	…	…	…	…	…	…	…	…
	Soil Erosion	3	…	…	…	…	…	…	…	…	…
	Volcanic Activity	…	…	…	…	…	…	…	…	…	…
	Sinkhole	…	…	…	…	…	…	…	…	…	…
Hydrological		**10**	**17**	**10**	…	**9**	**10**	**7**	**11**	…	…
	Flashfloods/Flooding	10	17	10	…	9	10	7	11	…	…
	Storm Surge	…	…	…	…	…	…	…	…	…	…
Meteorological		**25**	**215**	**39**	**39**	**9**	**44**	**84**	**6**	**52**	**6**
	Lightning/Thunderstorm [A]	17	6	11	13	3	17	10	…	52	6
	Rain [B]	2	176	2	1	…	1	…	…	…	…
	Northeast Monsoon	…	…	…	…	…	…	…	…	…	…
	Southwest Monsoon	…	…	14	8	2	9	16	…	…	…
	Tail end of the cold front	…	13	…	…	…	12	58	…	…	…
	Tornado [C]	1	20	12	17	4	5	…	6	…	…
	Tropical Cyclones Destructive	…	…	…	…	…	…	…	…	…	…
	Tropical Cyclones Non-Destructive	…	…	…	…	…	…	…	…	…	…
	Wind [D]	5	…	…	…	…	…	…	…	…	…
N.E.C		…	**5**	…	**29**	…	**7**	…	…	…	…
	InterTropical Convergence Zone	…	…	…	29	…	7	…	…	…	…
	LPA/SW Monsoon/La Mesa Dam Overflow	…	…	…	…	…	…	…	…	…	…
	Miscellaneous	…	…	…	…	…	…	…	…	…	…
	Rockwall and Frost	…	…	…	…	…	…	…	…	…	…
	Sea Mishaps	…	5	…	…	…	…	…	…	…	…
	Sea Swelling	…	…	…	…	…	…	…	…	…	…
	Trashslide/Landslide	…	…	…	…	…	…	…	…	…	…

Note: "..." means zero

[1] Natural Disaster Classification by Centre for Research on the Epidemiology of Disasters Emergency Event database (CRED-EM-DAT)

[A] Comprised of Lightning/thunderstorm,thunderstorm,lightining incidents

[B] Comprised of Continuous Rains,Heavy Rains, HeavyRains/Continuous Rains

[C] Comprised of Tornado,Whirlwind, Whirlwind/Tornado

[D] Comprised of Strong wind and Big waves, strong Wind, Strong Wind/ Bigwaves

Source: Office of Civil Defense (OCD)

Table 4.10
NUMBER OF INJURED DUE TO HUMAN INDUCED DISASTERS [1] BY TYPE FOR MINOR INCIDENTS
2010 to 2019

Disaster Sub-group	Disaster Type	Year									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total		**1,422**	**587**	**1,783**	**1,912**	**887**	**3,794**	**5,675**	**1,144**	**1,765**	**1,941**
Armed		**226**	**112**	**261**	**461**	**118**	**162**	**271**	**124**	**239**	**136**
	Ambush Incident	...	...	...	32	...	3	2	76	52	25
	Armed Conflict	39	29	138	262	16	22	70	23	70	23
	Bomb/Grenade Explosion	187	83	123	167	102	130	199	25	117	87
	Civil Disturbance	...	...	...	...	...	7	...	...	...	...
	Family Feud	...	...	...	...	...	...	...	...	...	...
	Hostage Taking	...	...	...	...	...	...	...	...	...	...
	Military Operations	...	...	...	...	...	...	...	...	...	...
	Sabah Crisis	...	...	...	...	...	...	...	...	...	...
	Shooting Incidents	...	...		...	...	...	...	...	...	1
Aviation		**10**	**19**	**1**	**8**	**2**	**6**	**...**	**3**	**12**	**6**
	Air Mishaps	10	...	...	8	2	6	...	3	12	6
	Plane Crash	...	19	1	...	...	...	...	...	...	...
Chemical		...	...	...	…	…	…	...	...	...	...
	Gas Explosion (e.g.,LPG Tank)	...	...	...	...	...	...	...	...	...	...
	Mercury Poisoning	...	...	...	...	...	...	...	...	...	...
Epidemic		...	...	...	...	...	101	4575	68	419	...
	Disease Outbreak	...	...	...	...	...	101	4575	68	419	...
	Epidemic/Disease Outbreak/Viral Contamination		...	...	...	...	...	...	...	...	...
Fire		**79**	**96**	**148**	**80**	**90**	**131**	**124**	**182**	**799**	**129**
	Bus Burning	...	...	...	...	...	...	...	...	...	...
	Fire Incidents	...	...	...	...	...	131	124	182	...	...
	Structural Fire Incidents	79	96	148	80	89	...	...	...	86	129
	Vehicular Fire	...	...	...	...	1	...	...	...	713	
Land		**1017**	**328**	**1036**	**739**	**430**	**397**	**403**	**410**	**...**	**680**
	Train Mishaps	...	...	...	...	...	70	...	...	...	
	Vehicular Accidents	1017	328	1036	739	430	327	403	410	...	680
Maritime		**26**	**15**	**23**	**18**	**54**	**14**	**69**	**85**	**16**	**15**
	Drowning Incidents	...	...	5	1	11	...	...	6	2	1
	Maritime Accidents	...	15	18	17	43	14	69	79	14	14
	Sea Mishaps	26	...	...	...	...	...	...	...	...	...
Special events		…	…	…	…	…	…	...	...	...	...
	Stampede	...	...	...	...	...	...	...	...	...	...
Others		**64**	**17**	**314**	**606**	**193**	**2983**	**233**	**272**	**280**	**975**
	Cave-in	...	...	...	...	...		...	...	...	...
	Chemical Explosions	...	...	...	...	...	...	...	...	...	...
	Chemical/Coal/Oil Spill	...	...	...	...	...	...	...	...	...	...
	Collapsed Structure	32	13	7	13	6	16	9	...	4	9
	Complex Emergencies	...	...	...	...	...	...	...	...	...	...
	Electrocution Incidents	1	...	...	...	...	5	...	...	...	...
	Firecracker Incidents	...	...	37	...	...	...	...	...	...	...
	Fish Kill	...	...	...	...	...	...	...	...	...	...
	Gas/Chemical Leak	...	...	120	...	33	…	...	...	...	...
	Internally Displaced Persons (IDP)	...	...	3	...	...	...	...	...	...	...
	Landmine Explosion	...	…	...	...	...	...	...	...	...	...
	Mining Incident		...	...	...	...	2	...	...	...	...
	Missing Fishermen	...	...	...	...	...	...	...	...	...	...
	Mountain Climbing	3	...	...	1	...	...	...	...	...	...
	Others	...	...	...	548	...	...	...	...	...	...
	Poisoning [A]	28	4	147	44	154	2960	224	234	255	966
	Sinkhole	...	...	...	...	...	...	...	...	...	...
	Pest infestation	…	…	…	…	…	…	…	...	21	...
	Burning Soil	…	…	…	…	…	…	…	...	...	...
	Water Tank Explosion	…	…	…	…	…	…	…	38	...	...

Note: Technological Disasters has no core statistics based on Framework for the Development of Environment Statistics by United Nations Statistics Division
"..." means zero

[A] Comprised of Fuel/Chemical Leak/Gas Poisoning/Food Poisoning

[1] Human Induced Disaster Classification by National Disaster Risk Reduction and Management Council (NDRRMC)

Source: Office of Civil Defense (OCD)

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Component Five

Human Settlements and Environmental Health

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COMPONENT FIVE

HUMAN SETTLEMENTS AND ENVIRONMENTAL HEALTH

The human settlements and environmental health component contains statistics on the environment in which humans live and work, particularly with regard to their living conditions and environmental health. These statistics are important for the management and improvement of conditions related to human settlements, shelter conditions, safe water, sanitation, and health, particularly in the context of rapid urbanization, increasing pollution, environmental degradation, disasters, extreme events, and climate change.

Compiled statistics in this component may provide indicators helpful to achieve the following Sustainable Development Goals (SDGs): SDG 3 – to ensure healthy lives and promote well-being for all at all ages, SDG 6 – to ensure access to water and sanitation for all, and SDG 11 – to make all cities inclusive, safe, resilient, and sustainable. Component 5 also contains statistics related to SDG 7 – to ensure access to affordable, reliable, sustainable, and modern energy for all, and SDG 13 – to combat climate change and its impact.

This component is divided into two subcomponents: Human Settlements and Environmental Health. It contains 54 statistics, 12 of which are core statistics. Nine core statistics were compiled in the compendium, six of which are under the subcomponent human settlements and three are in the subcomponent environmental health.

Subcomponent 5.1: Human Settlements

The human settlements subcomponent deals with the totality of the human community where people reside, may it be in large cities, towns, or villages. Statistics on this are gathered for the benefit of policy makers, analysts, and civil society by providing them information on how the residents work and live in their settlements, how they transform the landscape and supporting ecosystem and how it affects the resident's well-being and health.

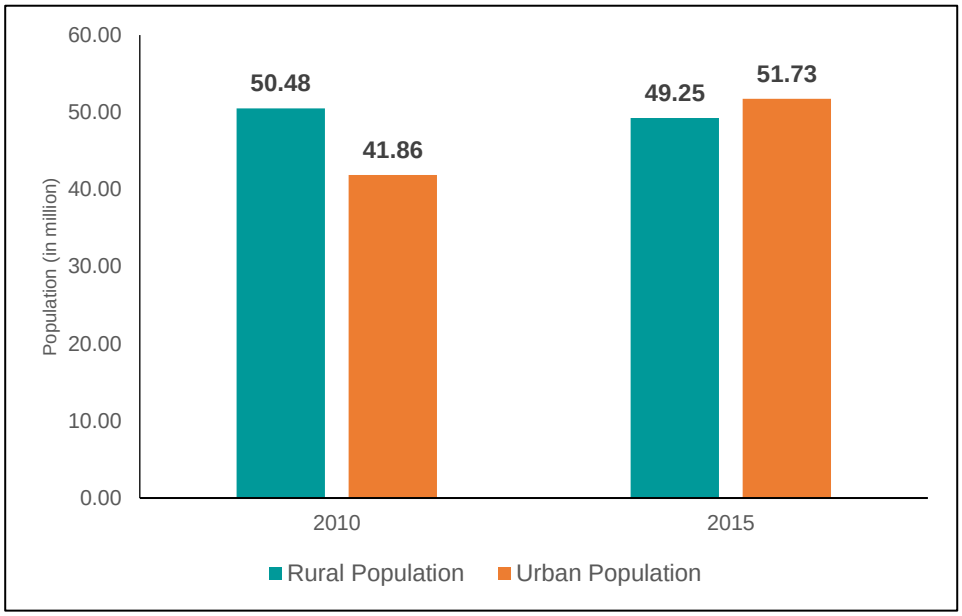
Out of the five topics under Human Settlements, only two topics ─ 5.1.1 Access to selected basic services and 5.1.2 Environmental concerns specific to urban settlements ─ contained core statistics. Data for these statistics are gathered usually in the form of censuses, surveys, administrative records, and remote sensing. Moreover, statistics on human settlements also serve as an input in calculating the indicator 3.9.2 – Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene under SDG 3: Good Health, indicator 6.1.1 – Proportion of population using safely managed drinking water services under SDG 6: Clean Water and Sanitation, and indicator 11.1.1 – Proportion of urban population living in slums, informal settlements or inadequate housing under SDG 11: Sustainable Cities and Communities.

5.1.1 Urban and Rural Population

Urban and rural population covers statistics on urban, rural, and total population, including population density. These statistics provide information on locations where humans construct and maintain their settlements.

In 2010, 50.48 million were living in rural areas. This has decreased by -2.4 percent to 49.25 million in 2015. On the other hand, the population living in urban areas has increased by 23.6 percent from 41.86 million in 2010 to 51.73 million in 2015. Figure 5.1 shows the total rural and urban population in the Philippines in 2010 and 2015. The data were from the 2010 and 2015 Census of Population and Housing of the Philippine Statistics Authority.

Figure 5.1 Total Rural and Urban Population in the Philippines: 2010 and 2015



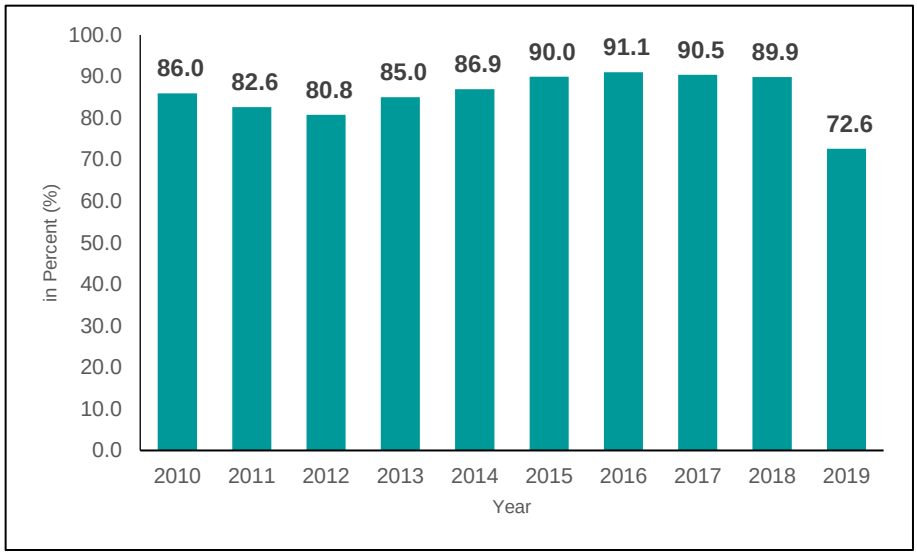
Source: Philippine Statistics Authority

5.1.2 Access to selected basic services

Access to selected basic services includes information on access to water, sanitation, waste removal services, and energy in urban and rural areas. Having access to the said basic services likely results to favourable effect on a person's health and well-being, which in turn can contribute to better environmental quality.

Collected statistics for the compendium included the number of households with access to improved safe water supply and sanitation facilities. The data were obtained from the Department of Health (DOH). From 2010 to 2019, an annual average of 85.5 percent of the total households in the Philippines had access to improved safe water supply as recorded by DOH. (Figure 5.2)

Figure 5.2 Proportion of Households with Access to Improved Safe Water Supply to Total Number of Households, Philippines: 2010 to 2019



Source: Department of Health

In 2019, DOH reported that out of the 24.58 million households recorded,11.25 million households had complete sanitation facility (45.8%), 11.23 million households had satisfactory solid waste management (45.7%), while 7.99 million households (32.5%) were using safely managed sanitation facility. Among the regions in the Philippines, Region I – Ilocos Region, with 1.20 million households recorded in 2019, had the most number of households with complete sanitation facilities and satisfactory solid waste management at 85.8 percent and 85.0 percent, respectively. Meanwhile, 80.8 percent of the 845.44 thousand households in Region II – Cagayan Valley Region used safely managed sanitation services.

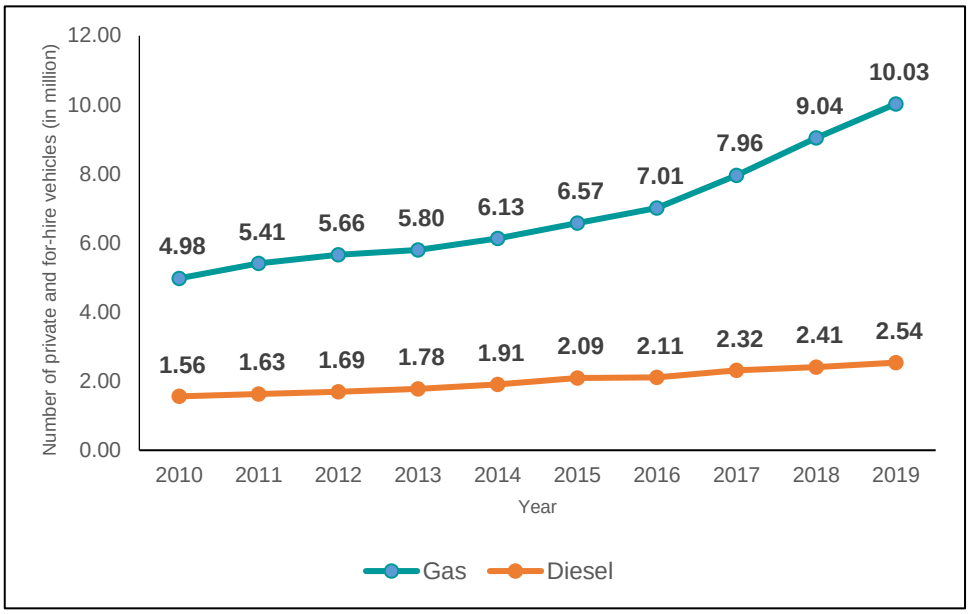
5.1.3 Environmental concerns specific to urban settlements

Environmental concerns specific to urban settlements organize information about additional urban environmental concerns such as extent of urban sprawl, transport, green spaces, and urban planning and zoning.

The data gathered as an indicator for this statistic was the number of registered vehicles by type of ownership and type of fuel used from the Land Transportation Office (LTO).

Figure 5.3 shows the total number of private and for-hire vehicles by type of fuel used from 2010 to 2019. LTO registered an annual average of 6.86 million private and for-hire vehicles from 2010 to 2019 that used gas fuel. In addition, an annual average of 2.00 million private and for-hire vehicles that used diesel fuel were registered from 2010 to 2019.

Figure 5.3 Total Number of Registered Private and For-Hire Vehicles by Fuel Type: 2010 to 2019



Source: Land Transportation Office

Subcomponent 5.2: Environmental Health

Environmental health focuses on how the environmental factors and processes impact and change human health. The statistics compiled under this subcomponent were morbidity and mortality of certain types of diseases. These statistics also serve as input to measure SDG 3: Good Health, particularly, indicator 3.9.1 – Mortality rate attributed to household and ambient air pollution and indicator 3.9.2 – mortality rate attributed to unsafe water, unsafe sanitation, and lack of hygiene. Six water-borne diseases, three vector-borne diseases, and two airborne diseases were compiled for environmental health. The number of cases reported is per 100,000 population[9] based on the report of the DOH.

5.2.1 Water-related diseases and conditions

According to the DOH, water-borne diseases are diseases transmitted through water contaminated with human or animal waste. The statistics compiled for this compendium were the prevalence (part of the population with a disease at a given time) and mortality (number of deaths by place, time, and cause) of water-borne diseases. The data on the number of cases were from the DOH while the data on the number of deaths were from the Philippine Statistics Authority (PSA).

The annual average number of reported cases of water-borne diseases reached 50,058 from 2010 to 2019. This includes typhoid and paratyphoid fever, acute bloody diarrhea, confirmed cholera, viral hepatitis, rotavirus, and leptospirosis. Among these diseases, acute bloody diarrhea contributed 71,774 cases or 85.0 percent in 2019.

5.2.2 Vector-borne diseases

The World Health Organization defines vector-borne diseases as human illnesses caused by parasites, viruses, and bacteria that are transmitted by vectors. Statistics on vector-borne diseases were gathered from DOH and PSA.

[9] Except for dengue and acute lower respiratory tract infection and pneumonia.

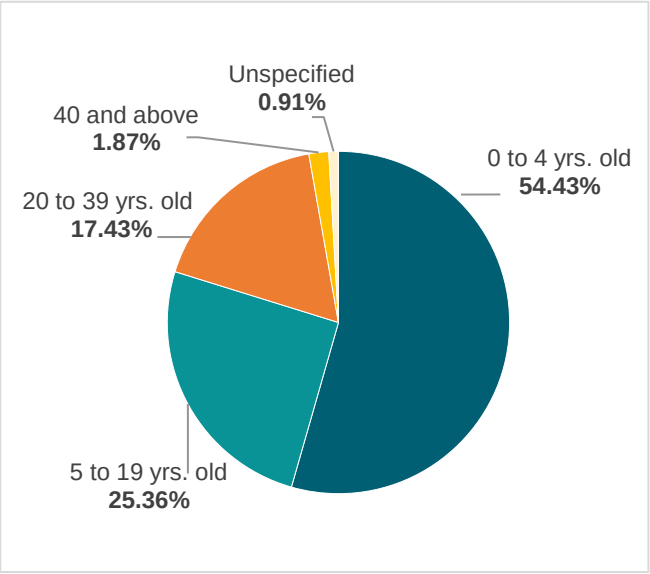
Dengue and Malaria are vector-borne diseases with 208.17 thousand and 2,308 annual average number of cases recorded from 2010 to 2019, respectively. In 2019, 22.5 percent of reported dengue cases were children between 5 to 9 years old. In addition, Chikungunya disease[10] had 1,138 reported cases in 2019.

5.2.3 Airborne diseases

Based on FDES, airborne diseases and conditions associated with the environment are caused or worsened by exposure to unhealthy levels of pollutants such as particulate matter (PM), sulfur dioxide (SO_2), and ozone (O_3). These are usually found in urban settlements and cities with weaker air quality regulations and/or enforcement capabilities.

Measles is an airborne disease and young children, at most five years old, are at risk of it.[11] In the Philippines, on an annual average, 54.4 percent of those infected with measles from 2010 to 2019 were children between 0 to 4 years old. Measles cases in this group shared 59.3 percent or 29,507 cases of the total measles registered in 2019. Meanwhile,185.95 thousand cases of acute lower respiratory tract infection and pneumonia were registered in 2019.

Figure 5.4 Percent Distribution by Age of the Average Number of Cases of Measles, Philippines: 2010 to 2019



Source: Department of Health

[10] The surveillance of the Department of Health of the Chikungunya disease started in 2016.
[11] World Health Organization. https://www.who.int/news-room/fact-sheets/detail/measles

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Statistical Tables

Human Settlements and Environmental Health

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Table 5.1
TOTAL POPULATION, URBAN POPULATION, AND LEVEL OF URBANIZATION BY REGION: PHILIPPINES 2010 AND 2015

Region		Total Population		Urban Population		Level of Urbanization	
		2010[a/]	2015[b/]	2010[a/]	2015[b/]	2010	2015
Philippines		**92,335,113**	**100,979,303**	**41,855,571**	**51,728,697**	**45.3**	**51.2**
NCR	National Capital Region	11,855,975	12,877,253	11,855,975	12,877,253	100.0	100.0
CAR	Cordillera Administrative Region	1,616,867	1,722,006	424,771	524,672	26.3	30.5
I	Ilocos Region	4,748,372	5,026,128	600,945	1,029,562	12.7	20.5
II	Cagayan Valley	3,229,163	3,451,410	373,407	663,695	11.6	19.2
III	Central Luzon	10,137,737	11,218,177	5,232,569	6,914,703	51.6	61.6
IV-A	CALABARZON	12,609,803	14,414,774	7,526,882	9,564,515	59.7	66.4
IV-B	MIMAROPA	2,744,671	2,963,360	612,615	905,666	22.3	30.6
V	Bicol Region	5,420,411	5,796,989	831,380	1,344,903	15.3	23.2
VI	Western Visayas	7,102,438	7,536,383	2,466,109	2,868,795	34.7	38.1
VII	Central Visayas	6,800,180	7,396,898	2,969,340	3,656,628	43.7	49.4
VIII	Eastern Visayas	4,101,322	4,440,150	358,405	529,902	8.7	11.9
IX	Zamboanga Peninsula	3,407,353	3,629,783	1,156,754	1,373,274	33.9	37.8
X	Northern Mindanao	4,297,323	4,689,302	1,773,032	2,272,001	41.3	48.5
XI	Davao Region	4,468,563	4,893,318	2,649,039	3,108,872	59.3	63.5
XII	SOCCSKSARGEN	4,109,571	4,545,276	1,911,253	2,346,149	46.5	51.6
CARAGA	Caraga	2,429,224	2,596,709	666,849	869,195	27.5	33.5
ARMM	Autonomous Region in Muslim Mindanao	3,256,140	3,781,387	446,246	878,912	13.7	23.2

Sources:

Philippine Statistics Authority, 2015 Census of Population

Philippine Statistics Authority, 2010 Census of Population and Housing

Notes:

a/ The 2010 total population and urban population exclude Filipinos in Philippine Embassies, Consulates and Mission Abroad (2,739 persons).

b/ The 2015 total population and urban population exclude Filipinos in Philippine Embassies, Consulates and Mission Abroad (2,134 persons).

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Table 5.2
TOTAL POPULATION, RURAL POPULATION, AND PERCENTAGE OF RURAL POPULATION BY REGION: PHILIPPINES 2010 AND 2015

Region		Total Population		Rural Population		Percentage of Rural Population	
		2010[a/]	2015[b/]	2010[a/]	2015[b/]	2010	2015
Philippines		**92,335,113**	**100,979,303**	**50,479,542**	**49,250,606**	**54.7**	**48.8**
NCR	National Capital Region	11,855,975	12,877,253	0	0	0.0	0.0
CAR	Cordillera Administrative Region	1,616,867	1,722,006	1,192,096	1,197,334	73.7	69.5
I	Ilocos Region	4,748,372	5,026,128	4,147,427	3,996,566	87.3	79.5
II	Cagayan Valley	3,229,163	3,451,410	2,855,756	2,787,715	88.4	80.8
III	Central Luzon	10,137,737	11,218,177	4,905,168	4,303,474	48.4	38.4
IV-A	CALABARZON	12,609,803	14,414,774	5,082,921	4,850,259	40.3	33.6
IV-B	MIMAROPA	2,744,671	2,963,360	2,132,056	2,057,694	77.7	69.4
V	Bicol Region	5,420,411	5,796,989	4,589,031	4,452,086	84.7	76.8
VI	Western Visayas	7,102,438	7,536,383	4,636,329	4,667,588	65.3	61.9
VII	Central Visayas	6,800,180	7,396,898	3,830,840	3,740,270	56.3	50.6
VIII	Eastern Visayas	4,101,322	4,440,150	3,742,917	3,910,248	91.3	88.1
IX	Zamboanga Peninsula	3,407,353	3,629,783	2,250,599	2,256,509	66.1	62.2
X	Northern Mindanao	4,297,323	4,689,302	2,524,291	2,417,301	58.7	51.5
XI	Davao Region	4,468,563	4,893,318	1,819,524	1,784,446	40.7	36.5
XII	SOCCSKSARGEN	4,109,571	4,545,276	2,198,318	2,199,127	53.5	48.4
CARAGA	Caraga	2,429,224	2,596,709	1,762,375	1,727,514	72.5	66.5
ARMM	Autonomous Region in Muslim Mindanao	3,256,140	3,781,387	2,809,894	2,902,475	86.3	76.8

Sources:
Philippine Statistics Authority, 2015 Census of Population
Philippine Statistics Authority, 2010 Census of Population and Housing
Notes:
a/ The 2010 total population and rural population exclude Filipinos in Philippine Embassies, Consulates and Mission Abroad (2,739 persons).
b/ The 2015 total population and rural population exclude Filipinos in Philippine Embassies, Consulates and Mission Abroad (2,134 persons).

Table 5.3.1
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2010

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**12,626,538**	**10,856,412**	**85.98**
NCR	National Capital Region	…	…	…
CAR	Cordillera Administrative Region	302,470	265,865	87.90
I	Ilocos Region	940,193	868,937	92.42
II	Cagayan Valley	670,877	588,402	87.71
III	Central Luzon	1,883,294	1,661,141	88.20
IV-A	CALABARZON	2,251,903	1,864,127	82.78
IV-B	MIMAROPA	…	…	…
V	Bicol Region	1,025,535	897,851	87.55
VI	Western Visayas	…	…	…
VII	Central Visayas	1,529,948	1,366,141	89.29
VIII	Eastern Visayas	766,894	681,256	88.83
IX	Zamboanga Peninsula	643,817	542,046	84.19
X	Northern Mindanao	802,123	752,769	93.85
XI	Davao Region	…	…	…
XII	SOCCSKSARGEN	823,859	743,525	90.25
CARAGA	Caraga	414,762	361,086	87.06
ARMM	Autonomous Region in Muslim Mindanao	570,863	263,266	46.12

Table 5.3.2
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2011

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**18,776,071**	**15,514,343**	**82.63**
NCR	National Capital Region	2,363,860	2,306,225	97.56
CAR	Cordillera Administrative Region	318,087	240,146	75.50
I	Ilocos Region	917,722	883,773	96.30
II	Cagayan Valley	693,155	608,386	87.77
III	Central Luzon	1,963,639	1,496,185	76.19
IV-A	CALABARZON	2,787,686	2,450,292	87.90
IV-B	MIMAROPA	560,628	379,404	67.67
V	Bicol Region	1,054,055	863,374	81.91
VI	Western Visayas	1,448,988	711,125	49.08
VII	Central Visayas	1,711,111	1,401,164	81.89
VIII	Eastern Visayas	841,158	600,465	71.39
IX	Zamboanga Peninsula	629,076	545,416	86.70
X	Northern Mindanao	787,201	741,777	94.23
XI	Davao Region	923,609	841,583	91.12
XII	SOCCSKSARGEN	835,770	759,273	90.85
CARAGA	Caraga	438,569	399,393	91.07
ARMM	Autonomous Region in Muslim Mindanao	501,757	286,362	57.07

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

FHSIS Manual of Operations was updated in 2012.

Table 5.3.1 ***(continued)***

Region	Households with access to improved safe water supply					
	No.	%	No.	%	No.	%
	c3	*c3/c1*	*c4*	*c4/c1*	*c5*	*c5/c1*
Philippines	**3,481,702**	**27.57**	**1,879,297**	**14.88**	**5,014,869**	**39.72**
NCR	…	…	…	…	…	…
CAR	66,948	22.13	73,777	24.39	125,140	41.37
I	579,056	61.59	43,970	4.68	245,911	26.16
II	405,636	60.46	42,341	6.31	140,355	20.92
III	124,227	6.60	109,060	5.79	929,838	49.37
IV-A	488,432	21.69	182,372	8.10	1,219,281	54.14
IV-B	…	…	…	…	…	…
V	335,902	32.75	218,662	21.32	343,287	33.47
VI	…	…	…	…	…	…
VII	386,459	25.26	293,667	19.19	690,755	45.15
VIII	229,259	29.89	218,262	28.46	233,735	30.48
IX	135,976	21.12	168,986	26.25	237,384	36.87
X	146,475	18.26	205,673	25.64	400,621	49.95
XI	…	…	…	…	…	…
XII	324,029	39.33	152,101	18.46	267,395	32.46
CARAGA	97,659	23.55	121,932	29.40	128,039	30.87
ARMM	161,644	28.32	48,494	8.49	53,128	9.31

Table 5.3.2 ***(continued)***

Region	Households with access to improved safe water supply					
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**4,261,461**	**27.47**	**2,468,284**	**15.91**	**8,784,598**	**56.62**
NCR	13,111	0.57	130,031	5.64	2,163,083	93.79
CAR	62,947	26.21	63,051	26.26	114,148	47.53
I	572,403	64.77	50,311	5.69	261,059	29.54
II	403,296	66.29	53,506	8.79	151,584	24.92
III	449,567	30.05	82,111	5.49	964,507	64.46
IV-A	458,494	18.71	165,930	6.77	1,825,868	74.52
IV-B	213,927	56.39	67,392	17.76	98,085	25.85
V	298,540	34.58	225,147	26.08	339,687	39.34
VI	191,615	26.95	122,125	17.17	397,385	55.88
VII	318,209	22.71	354,054	25.27	728,901	52.02
VIII	180,236	30.02	222,541	37.06	197,688	32.92
IX	144,129	26.43	153,729	28.19	247,558	45.39
X	142,109	19.16	216,178	29.14	383,490	51.70
XI	215,718	25.63	195,323	23.21	430,542	51.16
XII	320,889	42.26	156,456	20.61	281,928	37.13
CARAGA	113,729	28.48	149,294	37.38	136,370	34.14
ARMM	162,542	56.76	61,105	21.34	62,715	21.90

Table 5.3.3
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2012

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**18,540,736**	**14,981,350**	**80.80**
NCR	National Capital Region	2,391,500	2,293,943	95.92
CAR	Cordillera Administrative Region	326,428	122,566	37.55
I	Ilocos Region	1,033,857	995,987	96.34
II	Cagayan Valley	689,908	626,716	90.84
III	Central Luzon	2,052,420	1,192,977	58.13
IV-A	CALABARZON	2,349,717	2,091,097	88.99
IV-B	MIMAROPA	579,855	444,004	76.57
V	Bicol Region	1,017,445	831,505	81.72
VI	Western Visayas	1,500,996	672,148	44.78
VII	Central Visayas	1,391,795	1,293,662	92.95
VIII	Eastern Visayas	805,808	645,216	80.07
IX	Zamboanga Peninsula	668,344	558,366	83.54
X	Northern Mindanao	853,160	782,411	91.71
XI	Davao Region	950,441	849,799	89.41
XII	SOCCSKSARGEN	840,207	764,762	91.02
CARAGA	Caraga	450,505	389,651	86.49
ARMM	Autonomous Region in Muslim Mindanao	638,350	426,540	66.82

Table 5.3.4
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2013

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**18,453,420**	**15,685,917**	**85.00**
NCR	National Capital Region	2,506,508	2,316,943	92.44
CAR	Cordillera Administrative Region	326,428	257,050	78.75
I	Ilocos Region	1,013,066	978,017	96.54
II	Cagayan Valley	687,956	613,920	89.24
III	Central Luzon	1,981,997	1,752,390	88.42
IV-A	CALABARZON	2,340,595	2,124,671	90.77
IV-B	MIMAROPA	577,034	475,784	82.45
V	Bicol Region	1,055,629	853,197	80.82
VI	Western Visayas	1,537,416	817,258	53.16
VII	Central Visayas	1,399,463	1,190,484	85.07
VIII	Eastern Visayas	805,808	645,216	80.07
IX	Zamboanga Peninsula	377,988	381,968	101.05
X	Northern Mindanao	866,148	826,727	95.45
XI	Davao Region	926,169	822,091	88.76
XII	SOCCSKSARGEN	869,387	810,142	93.19
CARAGA	Caraga	510,572	476,222	93.27
ARMM	Autonomous Region in Muslim Mindanao	671,257	343,837	51.22

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

FHSIS Manual of Operations was updated in 2012.

Table 5.3.3 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**4,103,974**	**27.39**	**2,227,320**	**14.87**	**8,650,056**	**57.74**
NCR	12,444	0.54	83,020	3.62	2,198,479	95.84
CAR	5,882	4.80	18,540	15.13	98,144	80.07
I	649,969	65.26	61,789	6.20	284,229	28.54
II	419,663	66.96	47,444	7.57	159,609	25.47
III	104,887	8.79	53,565	4.49	1,034,525	86.72
IV-A	490,552	23.46	152,313	7.28	1,448,232	69.26
IV-B	245,167	55.22	102,300	23.04	96,537	21.74
V	281,037	33.80	225,875	27.16	324,593	39.04
VI	162,229	24.14	71,802	10.68	438,117	65.18
VII	297,542	23.00	242,902	18.78	753,218	58.22
VIII	209,027	32.40	230,227	35.68	205,962	31.92
IX	144,332	25.85	170,460	30.53	243,574	43.62
X	159,513	20.39	218,506	27.93	404,392	51.69
XI	206,066	24.25	198,890	23.40	444,843	52.35
XII	322,048	42.11	159,993	20.92	282,721	36.97
CARAGA	104,741	26.88	140,528	36.07	144,382	37.05
ARMM	288,875	67.73	49,166	11.53	88,499	20.75

Table 5.3.4 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**4,470,259**	**28.50**	**2,353,478**	**15.00**	**8,862,180**	**56.50**
NCR	10,474	0.45	71,516	3.09	2,234,953	96.46
CAR	50,969	19.83	55,478	21.58	150,603	58.59
I	630,098	64.43	66,051	6.75	281,868	28.82
II	417,446	68.00	63,448	10.33	133,026	21.67
III	641,608	36.61	65,285	3.73	1,045,497	59.66
IV-A	425,973	20.05	153,657	7.23	1,545,041	72.72
IV-B	240,977	50.65	103,499	21.75	131,308	27.60
V	267,515	31.35	237,199	27.80	348,483	40.84
VI	220,174	26.94	145,277	17.78	451,807	55.28
VII	274,811	23.08	250,265	21.02	665,408	55.89
VIII	209,027	32.40	230,227	35.68	205,962	31.92
IX	121,563	31.83	132,259	34.63	128,146	33.55
X	131,620	15.92	229,710	27.79	465,397	56.29
XI	178,957	21.77	196,615	23.92	446,519	54.32
XII	326,978	40.36	167,993	20.74	315,171	38.90
CARAGA	87,057	18.28	123,486	25.93	265,679	55.79
ARMM	235,012	68.35	61,513	17.89	47,312	13.76

Table 5.3.5
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2014

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**18,248,978**	**15,864,436**	**86.93**
NCR	National Capital Region	2,127,541	2,107,977	99.08
CAR	Cordillera Administrative Region	339,123	264,569	78.02
I	Ilocos Region	983,530	932,112	94.77
II	Cagayan Valley	692,281	610,576	88.20
III	Central Luzon	2,124,306	1,774,267	83.52
IV-A	CALABARZON	2,241,314	2,130,323	95.05
IV-B	MIMAROPA	605,997	543,461	89.68
V	Bicol Region	1,113,247	1,065,266	95.69
VI	Western Visayas	1,580,643	912,368	57.72
VII	Central Visayas	1,260,717	1,146,665	90.95
VIII	Eastern Visayas	769,490	646,359	84.00
IX	Zamboanga Peninsula	614,266	499,031	81.24
X	Northern Mindanao	916,511	866,420	94.53
XI	Davao Region	959,067	881,054	91.87
XII	SOCCSKSARGEN	833,807	814,883	97.73
CARAGA	Caraga	477,286	436,295	91.41
ARMM	Autonomous Region in Muslim Mindanao	609,852	232,810	38.17

Table 5.3.6
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2015

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**19,094,474**	**17,177,071**	**89.96**
NCR	National Capital Region	2,164,757	2,449,419	113.15
CAR	Cordillera Administrative Region	338,817	285,651	84.31
I	Ilocos Region	994,419	959,507	96.49
II	Cagayan Valley	659,721	611,753	92.73
III	Central Luzon	2,134,066	1,910,919	89.54
IV-A	CALABARZON	2,468,300	2,405,916	97.47
IV-B	MIMAROPA	563,793	534,725	94.84
V	Bicol Region	1,147,998	936,012	81.53
VI	Western Visayas	1,604,323	1,208,183	75.31
VII	Central Visayas	1,459,031	1,116,485	76.52
VIII	Eastern Visayas	831,962	748,954	90.02
IX	Zamboanga Peninsula	691,557	540,434	78.15
X	Northern Mindanao	990,380	935,455	94.45
XI	Davao Region	972,740	920,221	94.60
XII	SOCCSKSARGEN	945,190	862,247	91.22
CARAGA	Caraga	506,832	456,321	90.03
ARMM	Autonomous Region in Muslim Mindanao	620,588	294,869	47.51

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

FHSIS Manual of Operations was updated in 2012.

Table 5.3.5 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**4,707,403**	**29.67**	**2,333,561**	**14.71**	**8,823,472**	**55.62**
NCR	2,911	0.14	38,940	1.85	2,066,126	98.01
CAR	55,645	21.03	67,940	25.68	140,984	53.29
I	587,473	63.03	57,892	6.21	286,747	30.76
II	400,967	65.67	66,398	10.87	143,211	23.46
III	574,889	32.40	59,071	3.33	1,140,307	64.27
IV-A	471,941	22.15	163,721	7.69	1,494,661	70.16
IV-B	262,284	48.26	103,472	19.04	177,705	32.70
V	423,849	39.79	269,384	25.29	372,033	34.92
VI	300,410	32.93	132,172	14.49	479,786	52.59
VII	258,686	22.56	236,159	20.60	651,820	56.84
VIII	237,496	36.74	188,703	29.19	220,160	34.06
IX	123,030	24.65	147,249	29.51	228,752	45.84
X	166,379	19.20	235,316	27.16	464,725	53.64
XI	224,229	25.45	210,944	23.94	445,881	50.61
XII	351,064	43.08	176,662	21.68	287,157	35.24
CARAGA	106,890	24.50	141,239	32.37	188,166	43.13
ARMM	159,260	68.41	38,299	16.45	35,251	15.14

Table 5.3.6 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**4,911,657**	**28.59**	**2,559,746**	**14.90**	**9,705,668**	**56.50**
NCR	4,454	0.18	45,129	1.84	2,399,836	97.98
CAR	63,534	22.24	70,548	24.70	151,569	53.06
I	593,284	61.83	56,509	5.89	309,714	32.28
II	395,834	64.70	59,131	9.67	156,788	25.63
III	637,579	33.37	62,645	3.28	1,210,695	63.36
IV-A	520,808	21.65	153,879	6.40	1,731,229	71.96
IV-B	280,314	52.42	100,085	18.72	154,326	28.86
V	301,749	32.24	265,061	28.32	369,202	39.44
VI	489,187	40.49	205,214	16.99	513,782	42.53
VII	200,849	17.99	224,938	20.15	690,698	61.86
VIII	218,903	29.23	271,181	36.21	258,870	34.56
IX	131,995	24.42	156,606	28.98	251,833	46.60
X	172,145	18.40	263,791	28.20	499,519	53.40
XI	257,290	27.96	202,906	22.05	460,025	49.99
XII	352,902	40.93	210,812	24.45	298,533	34.62
CARAGA	122,987	26.95	145,280	31.84	188,054	41.21
ARMM	167,843	56.92	66,031	22.39	60,995	20.69

Table 5.3.7
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2016

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**20,186,321**	**18,381,267**	**91.06**
NCR	National Capital Region	2,641,044	2,466,765	93.40
CAR	Cordillera Administrative Region	345,257	222,507	64.45
I	Ilocos Region	1,008,734	968,547	96.02
II	Cagayan Valley	745,622	629,739	84.46
III	Central Luzon	2,090,389	1,988,593	95.13
IV-A	CALABARZON	2,704,870	2,832,709	104.73
IV-B	MIMAROPA	595,893	544,209	91.33
V	Bicol Region	1,167,612	975,584	83.55
VI	Western Visayas	1,644,427	1,418,134	86.24
VII	Central Visayas	1,545,751	1,389,941	89.92
VIII	Eastern Visayas	912,115	804,167	88.17
IX	Zamboanga Peninsula	635,212	468,689	73.78
X	Northern Mindanao	982,550	915,450	93.17
XI	Davao Region	1,035,819	966,690	93.33
XII	SOCCSKSARGEN	1,002,636	904,571	90.22
CARAGA	Caraga	507,802	472,067	92.96
ARMM	Autonomous Region in Muslim Mindanao	620,588	412,905	66.53

Table 5.3.8
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2017

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**20,473,827**	**18,519,268**	**90.45**
NCR	National Capital Region	2,353,261	2,320,256	98.60
CAR	Cordillera Administrative Region	361,859	265,260	73.30
I	Ilocos Region	996,206	964,686	96.84
II	Cagayan Valley	771,777	665,558	86.24
III	Central Luzon	2,318,623	2,121,319	91.49
IV-A	CALABARZON	2,709,335	2,600,070	95.97
IV-B	MIMAROPA	672,352	597,596	88.88
V	Bicol Region	1,237,881	1,064,112	85.96
VI	Western Visayas	1,691,250	1,519,686	89.86
VII	Central Visayas	1,630,098	1,484,011	91.04
VIII	Eastern Visayas	932,175	792,630	85.03
IX	Zamboanga Peninsula	651,954	596,082	91.43
X	Northern Mindanao	978,188	912,224	93.26
XI	Davao Region	1,057,548	977,823	92.46
XII	SOCCSKSARGEN	932,989	814,104	87.26
CARAGA	Caraga	528,856	481,488	91.04
ARMM	Autonomous Region in Muslim Mindanao	649,475	342,363	52.71

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

FHSIS Manual of Operations was updated in 2012.

Table 5.3.7 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**5,287,259**	**28.76**	**2,752,803**	**14.98**	**10,341,205**	**56.26**
NCR	4,753	0.19	23,744	0.96	2,438,268	98.84
CAR	43,006	19.33	40,032	17.99	139,469	62.68
I	606,347	62.60	51,318	5.30	310,882	32.10
II	404,324	64.21	74,802	11.88	150,613	23.92
III	697,924	35.10	60,721	3.05	1,229,948	61.85
IV-A	544,544	19.22	276,388	9.76	2,011,777	71.02
IV-B	292,695	53.78	109,851	20.19	141,663	26.03
V	293,874	30.12	284,256	29.14	397,454	40.74
VI	636,175	44.86	239,597	16.90	542,362	38.24
VII	248,976	17.91	295,121	21.23	845,844	60.85
VIII	208,317	25.90	279,099	34.71	316,751	39.39
IX	115,411	24.62	123,917	26.44	229,361	48.94
X	158,844	17.35	241,281	26.36	515,325	56.29
XI	271,039	28.04	209,140	21.63	486,511	50.33
XII	360,727	39.88	216,299	23.91	327,545	36.21
CARAGA	124,837	26.44	144,488	30.61	202,742	42.95
ARMM	275,466	66.71	82,749	20.04	54,690	13.25

Table 5.3.8 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**5,053,136**	**27.29**	**2,792,339**	**15.08**	**10,673,793**	**57.64**
NCR	2,109	0.09	12,829	0.55	2,305,318	99.36
CAR	58,599	22.09	52,412	19.76	154,249	58.15
I	585,484	60.69	56,617	5.87	322,585	33.44
II	419,807	63.08	62,556	9.40	183,195	27.53
III	555,152	26.17	81,118	3.82	1,485,049	70.01
IV-A	401,400	15.44	179,462	6.90	2,019,208	77.66
IV-B	306,601	51.31	119,285	19.96	171,710	28.73
V	343,679	32.30	283,554	26.65	436,879	41.06
VI	690,635	45.45	258,901	17.04	570,150	37.52
VII	262,394	17.68	324,181	21.84	897,436	60.47
VIII	201,444	25.41	300,855	37.96	290,331	36.63
IX	128,101	21.49	193,999	32.55	273,982	45.96
X	148,959	16.33	243,698	26.71	519,567	56.96
XI	268,469	27.46	216,757	22.17	492,597	50.38
XII	357,549	43.92	172,606	21.20	283,949	34.88
CARAGA	104,879	21.78	157,730	32.76	218,879	45.46
ARMM	217,875	63.64	75,779	22.13	48,709	14.23

Table 5.3.9
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2018

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**20,327,477**	**18,277,172**	**89.91**
NCR	National Capital Region	2,246,839	2,213,001	98.49
CAR	Cordillera Administrative Region	368,056	213,871	58.11
I	Ilocos Region	1,003,252	966,300	96.32
II	Cagayan Valley	749,627	685,891	91.50
III	Central Luzon	2,018,469	1,899,724	94.12
IV-A	CALABARZON	2,833,411	2,584,935	91.23
IV-B	MIMAROPA	677,717	622,953	91.92
V	Bicol Region	1,122,857	1,023,036	91.11
VI	Western Visayas	1,694,547	1,560,213	92.07
VII	Central Visayas	1,719,254	1,364,658	79.38
VIII	Eastern Visayas	924,197	806,526	87.27
IX	Zamboanga Peninsula	662,461	596,322	90.02
X	Northern Mindanao	995,487	928,980	93.32
XI	Davao Region	1,049,590	994,747	94.77
XII	SOCCSKSARGEN	1,035,647	922,716	89.10
CARAGA	Caraga	540,576	509,743	94.30
ARMM	Autonomous Region in Muslim Mindanao	685,490	383,556	55.95

Table 5.3.10
NUMBER OF HOUSEHOLDS WITH ACCESS TO IMPROVED WATER SUPPLY BY REGION, BY LEVEL
2019

Region		Total Household	Households with access to improved safe water supply	
			No.	%
		c1	*c2 = c3 + c4 + c5*	*c2/c1*
Philippines		**24,576,545**	**17,844,282**	**72.61**
NCR	National Capital Region	3,294,425	2,489,990	75.58
CAR	Cordillera Administrative Region	415,631	336,544	80.97
I	Ilocos Region	1,201,448	1,117,331	93.00
II	Cagayan Valley	845,444	768,725	90.93
III	Central Luzon	2,767,985	2,016,979	72.87
IV-A	CALABARZON	3,754,758	2,327,775	62.00
IV-B	MIMAROPA	723,149	244,247	33.78
V	Bicol Region	1,278,860	703,536	55.01
VI	Western Visayas	1,794,148	1,621,850	90.40
VII	Central Visayas	1,810,544	1,542,082	85.17
VIII	Eastern Visayas	1,046,689	697,934	66.68
IX	Zamboanga Peninsula	837,807	208,427	24.88
X	Northern Mindanao	1,113,224	997,488	89.60
XI	Davao Region	1,260,963	885,543	70.23
XII	SOCCSKSARGEN	1,132,821	978,956	86.42
CARAGA	Caraga	603,761	493,409	81.72
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	694,891	413,466	59.50

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

FHSIS Manual of Operations was updated in 2018.

Table 5.3.9 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**5,004,793**	**27.38**	**2,651,624**	**14.51**	**10,620,755**	**58.11**
NCR	2,263	0.10	8,919	0.40	2,201,819	99.49
CAR	48,849	22.84	41,956	19.62	123,066	57.54
I	577,436	59.76	48,034	4.97	340,830	35.27
II	439,671	64.10	45,196	6.59	201,024	29.31
III	513,350	27.02	59,147	3.11	1,327,227	69.86
IV-A	366,696	14.19	151,586	5.86	2,066,653	79.95
IV-B	300,024	48.16	120,783	19.39	202,146	32.45
V	328,152	32.08	283,799	27.74	411,085	40.18
VI	695,382	44.57	253,344	16.24	611,487	39.19
VII	220,976	16.19	294,050	21.55	849,632	62.26
VIII	235,092	29.15	267,654	33.19	303,780	37.67
IX	127,883	21.45	193,946	32.52	274,493	46.03
X	165,402	17.80	224,784	24.20	538,794	58.00
XI	269,561	27.10	209,910	21.10	515,276	51.80
XII	358,774	38.88	197,984	21.46	365,958	39.66
CARAGA	115,007	22.56	159,718	31.33	235,018	46.11
ARMM	240,275	62.64	90,814	23.68	52,467	13.68

Table 5.3.10 ***(continued)***

Region	Level 1		Level 2		Level 3	
	No.	%	No.	%	No.	%
	c3	*c3/c2*	*c4*	*c4/c2*	*c5*	*c5/c2*
Philippines	**5,088,298**	**28.52**	**2,525,030**	**14.15**	**10,230,954**	**57.33**
NCR	3,374	0.14	10,885	0.44	2,475,731	99.43
CAR	66,518	19.77	76,698	22.79	193,328	57.45
I	649,155	58.10	49,985	4.47	418,191	37.43
II	470,288	61.18	81,139	10.56	217,298	28.27
III	718,473	35.62	112,649	5.59	1,185,857	58.79
IV-A	586,803	25.21	158,948	6.83	1,582,024	67.96
IV-B	125,710	51.47	48,934	20.03	69,603	28.50
V	156,001	22.17	242,318	34.44	305,217	43.38
VI	712,976	43.96	261,527	16.13	647,347	39.91
VII	269,743	17.49	343,585	22.28	928,754	60.23
VIII	177,921	25.49	241,331	34.58	278,682	39.93
IX	22,057	10.58	37,845	18.16	148,525	71.26
X	175,588	17.60	255,647	25.63	566,253	56.77
XI	184,926	20.88	169,956	19.19	530,661	59.92
XII	441,113	45.06	181,443	18.53	356,400	36.41
CARAGA	92,332	18.71	136,773	27.72	264,304	53.57
BARMM	235,320	56.91	115,367	27.90	62,779	15.18

Table 5.4.1.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2010

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**12,626,538**	**9,748,740**	**77.21**
NCR	National Capital Region	…	…	…
CAR	Cordillera Administrative Region	302,470	237,040	78.37
I	Ilocos Region	940,193	831,185	88.41
II	Cagayan Valley	670,877	577,855	86.13
III	Central Luzon	1,883,294	1,500,364	79.67
IV-A	CALABARZON	2,251,903	1,882,879	83.61
IV-B	MIMAROPA	…	…	…
V	Bicol Region	1,025,535	670,737	65.40
VI	Western Visayas	…	…	…
VII	Central Visayas	1,529,948	1,174,486	76.77
VIII	Eastern Visayas	766,894	571,192	74.48
IX	Zamboanga Peninsula	643,817	507,457	78.82
X	Northern Mindanao	802,123	624,669	77.88
XI	Davao Region	…	…	…
XII	SOCCSKSARGEN	823,859	664,914	80.71
CARAGA	Caraga	414,762	352,629	85.02
ARMM	Autonomous Region in Muslim Mindanao	570,863	153,333	26.86

Table 5.4.2.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2011

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**18,776,071**	**14,909,943**	**79.41**
NCR	National Capital Region	2,363,860	2,246,062	95.02
CAR	Cordillera Administrative Region	318,087	247,717	77.88
I	Ilocos Region	917,722	846,059	92.19
II	Cagayan Valley	693,155	598,063	86.28
III	Central Luzon	1,963,639	1,505,921	76.69
IV-A	CALABARZON	2,787,686	2,511,312	90.09
IV-B	MIMAROPA	560,628	407,322	72.65
V	Bicol Region	1,054,055	714,729	67.81
VI	Western Visayas	1,448,988	1,153,295	79.59
VII	Central Visayas	1,711,111	1,123,063	65.63
VIII	Eastern Visayas	841,158	546,396	64.96
IX	Zamboanga Peninsula	629,076	454,472	72.24
X	Northern Mindanao	787,201	625,259	79.43
XI	Davao Region	923,609	752,245	81.45
XII	SOCCSKSARGEN	835,770	672,577	80.47
CARAGA	Caraga	438,569	370,385	84.45
ARMM	Autonomous Region in Muslim Mindanao	501,757	135,066	26.92

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

… no data

Table 5.4.1. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**8,323,987**	**65.92**	**7,798,632**	**61.76**
NCR	…	…	…	…
CAR	193,974	64.13	146,763	48.52
I	976,170	103.83	692,635	73.67
II	540,278	80.53	498,065	74.24
III	1,291,719	68.59	1,285,625	68.26
IV-A	1,705,712	75.75	1,778,288	78.97
IV-B	…	…	…	…
V	612,315	59.71	508,118	49.55
VI	…	…	…	…
VII	948,238	61.98	911,441	59.57
VIII	435,447	56.78	443,168	57.79
IX	230,464	35.80	253,373	39.35
X	526,896	65.69	512,088	63.84
XI	…	…	…	…
XII	488,040	59.24	415,826	50.47
CARAGA	228,923	55.19	217,762	52.50
ARMM	145,811	25.54	135,480	23.73

Table 5.4.2. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**12,341,812**	**65.73**	**11,598,414**	**61.77**
NCR	2,131,530	90.17	2,111,605	89.33
CAR	210,666	66.23	166,601	52.38
I	763,178	83.16	753,197	82.07
II	555,572	80.15	513,529	74.09
III	1,303,948	66.40	1,299,125	66.16
IV-A	2,078,300	74.55	2,041,531	73.23
IV-B	363,145	64.77	353,315	63.02
V	422,638	40.10	370,952	35.19
VI	1,065,182	73.51	681,731	47.05
VII	939,180	54.89	919,413	53.73
VIII	414,040	49.22	442,534	52.61
IX	229,576	36.49	211,971	33.70
X	501,693	63.73	494,682	62.84
XI	397,323	43.02	377,269	40.85
XII	572,267	68.47	510,165	61.04
CARAGA	264,997	60.42	254,410	58.01
ARMM	128,577	25.63	96,384	19.21

Table 5.4.3.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2012

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**18,540,736**	**14,816,535**	**79.91**
NCR	National Capital Region	2,391,500	2,151,366	89.96
CAR	Cordillera Administrative Region	326,428	265,071	81.20
I	Ilocos Region	1,033,857	939,857	90.91
II	Cagayan Valley	689,908	605,685	87.79
III	Central Luzon	2,052,420	1,676,440	81.68
IV-A	CALABARZON	2,349,717	1,949,447	82.97
IV-B	MIMAROPA	579,855	435,444	75.10
V	Bicol Region	1,017,445	694,721	68.28
VI	Western Visayas	1,500,996	1,206,651	80.39
VII	Central Visayas	1,391,795	1,125,329	80.85
VIII	Eastern Visayas	805,808	570,024	70.74
IX	Zamboanga Peninsula	668,344	473,993	70.92
X	Northern Mindanao	853,160	651,488	76.36
XI	Davao Region	950,441	786,594	82.76
XII	SOCCSKSARGEN	840,207	686,749	81.74
CARAGA	Caraga	450,505	366,736	81.41
ARMM	Autonomous Region in Muslim Mindanao	638,350	230,940	36.18

Table 5.4.4.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2013

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**18,453,420**	**14,758,975**	**79.98**
NCR	National Capital Region	2,506,508	2,187,908	87.29
CAR	Cordillera Administrative Region	326,428	268,082	82.13
I	Ilocos Region	1,013,066	935,452	92.34
II	Cagayan Valley	687,956	586,157	85.20
III	Central Luzon	1,981,997	1,687,021	85.12
IV-A	CALABARZON	2,340,595	2,066,814	88.30
IV-B	MIMAROPA	577,034	425,051	73.66
V	Bicol Region	1,055,629	724,568	68.64
VI	Western Visayas	1,537,416	1,228,774	79.92
VII	Central Visayas	1,399,463	945,890	67.59
VIII	Eastern Visayas	805,808	570,024	70.74
IX	Zamboanga Peninsula	377,988	341,117	90.25
X	Northern Mindanao	866,148	698,804	80.68
XI	Davao Region	926,169	778,585	84.07
XII	SOCCSKSARGEN	869,387	720,374	82.86
CARAGA	Caraga	510,572	357,059	69.93
ARMM	Autonomous Region in Muslim Mindanao	671,257	237,295	35.35

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

Table 5.4.3. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**11,936,035**	**64.38**	**11,151,888**	**60.15**
NCR	1,889,558	79.01	1,854,125	77.53
CAR	224,634	68.82	129,441	39.65
I	433,904	41.97	422,640	40.88
II	564,529	81.83	533,525	77.33
III	1,414,203	68.90	1,335,771	65.08
IV-A	1,784,262	75.94	1,987,044	84.57
IV-B	364,660	62.89	327,638	56.50
V	558,930	54.93	438,257	43.07
VI	1,055,170	70.30	569,234	37.92
VII	928,577	66.72	932,419	66.99
VIII	422,984	52.49	461,556	57.28
IX	270,995	40.55	280,497	41.97
X	519,451	60.89	515,219	60.39
XI	411,370	43.28	379,979	39.98
XII	611,931	72.83	574,820	68.41
CARAGA	265,547	58.94	249,545	55.39
ARMM	215,330	33.73	160,178	25.09

Table 5.4.4. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**13,009,904**	**70.50**	**11,952,609**	**64.77**
NCR	2,309,720	92.15	2,256,937	90.04
CAR	301,521	92.37	177,963	54.52
I	849,781	83.88	838,197	82.74
II	544,205	79.10	494,861	71.93
III	1,475,450	74.44	1,453,423	73.33
IV-A	1,880,124	80.33	1,811,243	77.38
IV-B	388,200	67.28	351,063	60.84
V	577,777	54.73	471,975	44.71
VI	1,073,772	69.84	686,718	44.67
VII	942,123	67.32	878,033	62.74
VIII	422,984	52.49	461,556	57.28
IX	202,351	53.53	156,277	41.34
X	556,748	64.28	548,500	63.33
XI	460,517	49.72	418,993	45.24
XII	485,153	55.80	511,060	58.78
CARAGA	297,189	58.21	237,824	46.58
ARMM	242,289	36.09	197,986	29.49

Table 5.4.5.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2014

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**18,248,978**	**14,900,620**	**81.65**
NCR	National Capital Region	2,127,541	2,069,242	97.26
CAR	Cordillera Administrative Region	339,123	269,697	79.53
I	Ilocos Region	983,530	910,646	92.59
II	Cagayan Valley	692,281	605,662	87.49
III	Central Luzon	2,124,306	1,596,524	75.16
IV-A	CALABARZON	2,241,314	2,016,481	89.97
IV-B	MIMAROPA	605,997	484,841	80.01
V	Bicol Region	1,113,247	786,229	70.62
VI	Western Visayas	1,580,643	1,246,031	78.83
VII	Central Visayas	1,260,717	1,197,489	94.98
VIII	Eastern Visayas	769,490	535,111	69.54
IX	Zamboanga Peninsula	614,266	436,167	71.01
X	Northern Mindanao	916,511	741,915	80.95
XI	Davao Region	959,067	799,788	83.39
XII	SOCCSKSARGEN	833,807	712,346	85.43
CARAGA	Caraga	477,286	395,653	82.90
ARMM	Autonomous Region in Muslim Mindanao	609,852	96,798	15.87

Table 5.4.6.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2015

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**19,094,474**	**16,073,218**	**84.18**
NCR	National Capital Region	2,164,757	2,388,244	110.32
CAR	Cordillera Administrative Region	338,817	284,438	83.95
I	Ilocos Region	994,419	926,481	93.17
II	Cagayan Valley	659,721	642,222	97.35
III	Central Luzon	2,134,066	1,945,833	91.18
IV-A	CALABARZON	2,468,300	2,304,485	93.36
IV-B	MIMAROPA	563,793	460,983	81.76
V	Bicol Region	1,147,998	783,061	68.21
VI	Western Visayas	1,604,323	1,278,722	79.70
VII	Central Visayas	1,459,031	964,944	66.14
VIII	Eastern Visayas	831,962	631,911	75.95
IX	Zamboanga Peninsula	691,557	479,781	69.38
X	Northern Mindanao	990,380	799,684	80.75
XI	Davao Region	972,740	835,576	85.90
XII	SOCCSKSARGEN	945,190	769,435	81.41
CARAGA	Caraga	506,832	422,016	83.27
ARMM	Autonomous Region in Muslim Mindanao	620,588	155,402	25.04

Source: Field Health Services Information System Annual Report, Department of Health
Note: Data are reported without any adjustment.

Table 5.4.5. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**12,948,219**	**70.95**	**11,608,599**	**63.61**
NCR	1,996,204	93.83	1,968,337	92.52
CAR	233,705	68.91	165,501	48.80
I	841,958	85.61	847,466	86.17
II	536,847	77.55	536,296	77.47
III	1,468,058	69.11	1,402,888	66.04
IV-A	1,895,822	84.59	1,686,885	75.26
IV-B	472,854	78.03	412,021	67.99
V	604,832	54.33	493,493	44.33
VI	1,139,430	72.09	729,854	46.17
VII	1,041,736	82.63	954,583	75.72
VIII	375,417	48.79	434,573	56.48
IX	229,933	37.43	208,923	34.01
X	575,969	62.84	514,880	56.18
XI	638,147	66.54	480,140	50.06
XII	516,793	61.98	502,425	60.26
CARAGA	288,063	60.35	227,633	47.69
ARMM	92,451	15.16	42,701	7.00

Table 5.4.6. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**14,085,985**	**73.77**	**13,013,214**	**68.15**
NCR	2,421,272	111.85	2,390,995	110.45
CAR	235,339	69.46	179,255	52.91
I	849,359	85.41	847,480	85.22
II	534,709	81.05	493,885	74.86
III	1,827,604	85.64	1,663,113	77.93
IV-A	2,183,981	88.48	2,017,154	81.72
IV-B	448,679	79.58	417,791	74.10
V	615,186	53.59	516,100	44.96
VI	1,157,234	72.13	875,275	54.56
VII	711,358	48.76	620,765	42.55
VIII	434,149	52.18	493,014	59.26
IX	273,921	39.61	263,827	38.15
X	635,450	64.16	612,507	61.85
XI	692,842	71.23	632,944	65.07
XII	634,047	67.08	599,678	63.45
CARAGA	317,128	62.57	285,251	56.28
ARMM	113,727	18.33	104,180	16.79

Table 5.4.7.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2016

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**20,186,321**	**16,846,651**	**83.46**
NCR	National Capital Region	2,641,044	2,376,692	89.99
CAR	Cordillera Administrative Region	345,257	284,148	82.30
I	Ilocos Region	1,008,734	949,506	94.13
II	Cagayan Valley	745,622	661,914	88.77
III	Central Luzon	2,090,389	1,875,133	89.70
IV-A	CALABARZON	2,704,870	2,522,885	93.27
IV-B	MIMAROPA	595,893	469,472	78.78
V	Bicol Region	1,167,612	846,980	72.54
VI	Western Visayas	1,644,427	1,342,482	81.64
VII	Central Visayas	1,545,751	1,264,064	81.78
VIII	Eastern Visayas	912,115	701,767	76.94
IX	Zamboanga Peninsula	635,212	432,063	68.02
X	Northern Mindanao	982,550	811,620	82.60
XI	Davao Region	1,035,819	885,731	85.51
XII	SOCCSKSARGEN	1,002,636	803,101	80.10
CARAGA	Caraga	507,802	431,962	85.07
ARMM	Autonomous Region in Muslim Mindanao	620,588	187,131	30.15

Table 5.4.8.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2017

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**20,473,827**	**17,420,182**	**85.09**
NCR	National Capital Region	2,353,261	2,234,084	94.94
CAR	Cordillera Administrative Region	361,859	310,344	85.76
I	Ilocos Region	996,206	934,952	93.85
II	Cagayan Valley	771,777	683,930	88.62
III	Central Luzon	2,318,623	2,142,015	92.38
IV-A	CALABARZON	2,709,335	2,500,998	92.31
IV-B	MIMAROPA	672,352	532,037	79.13
V	Bicol Region	1,237,881	948,157	76.60
VI	Western Visayas	1,691,250	1,418,901	83.90
VII	Central Visayas	1,630,098	1,304,604	80.03
VIII	Eastern Visayas	932,175	738,495	79.22
IX	Zamboanga Peninsula	651,954	544,280	83.48
X	Northern Mindanao	978,188	826,513	84.49
XI	Davao Region	1,057,548	904,450	85.52
XII	SOCCSKSARGEN	932,989	777,055	83.29
CARAGA	Caraga	528,856	444,209	83.99
ARMM	Autonomous Region in Muslim Mindanao	649,475	175,158	26.97

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

Table 5.4.7. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**14,340,528**	**71.04**	**13,807,383**	**68.40**
NCR	2,309,567	87.45	2,322,658	87.94
CAR	246,470	71.39	179,037	51.86
I	902,103	89.43	892,717	88.50
II	541,622	72.64	475,877	63.82
III	1,716,282	82.10	1,750,870	83.76
IV-A	2,252,423	83.27	2,232,665	82.54
IV-B	441,370	74.07	401,460	67.37
V	651,117	55.76	516,020	44.19
VI	1,212,676	73.74	1,017,433	61.87
VII	787,919	50.97	745,694	48.24
VIII	550,190	60.32	543,358	59.57
IX	163,117	25.68	263,327	41.45
X	596,332	60.69	597,969	60.86
XI	778,057	75.12	724,154	69.91
XII	681,168	67.94	659,256	65.75
CARAGA	296,834	58.45	281,024	55.34
ARMM	213,281	34.37	203,864	32.85

Table 5.4.8. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**14,640,687**	**71.51**	**14,087,650**	**68.81**
NCR	2,286,819	97.18	2,265,241	96.26
CAR	266,335	73.60	199,513	55.14
I	902,024	90.55	881,951	88.53
II	636,281	82.44	549,107	71.15
III	1,971,377	85.02	1,946,087	83.93
IV-A	2,188,913	80.79	2,174,120	80.25
IV-B	491,960	73.17	469,757	69.87
V	677,678	54.75	624,944	50.48
VI	1,264,935	74.79	1,124,263	66.48
VII	700,421	42.97	633,531	38.86
VIII	533,644	57.25	548,988	58.89
IX	342,077	52.47	329,728	50.58
X	677,381	69.25	650,347	66.48
XI	812,056	76.79	756,037	71.49
XII	470,856	50.47	566,957	60.77
CARAGA	303,595	57.41	262,804	49.69
ARMM	114,335	17.60	104,275	16.06

Table 5.4.9.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2018

Region		Total Household (HH)	HHs with Sanitary Toilet	
			No.	%
Philippines		**20,327,477**	**17,061,859**	**83.93**
NCR	National Capital Region	2,246,839	2,092,303	93.12
CAR	Cordillera Administrative Region	368,056	326,270	88.65
I	Ilocos Region	1,003,252	940,258	93.72
II	Cagayan Valley	749,627	676,702	90.27
III	Central Luzon	2,018,469	1,853,693	91.84
IV-A	CALABARZON	2,833,411	2,504,928	88.41
IV-B	MIMAROPA	677,717	547,724	80.82
V	Bicol Region	1,122,857	871,971	77.66
VI	Western Visayas	1,694,547	1,441,195	85.05
VII	Central Visayas	1,719,254	1,208,856	70.31
VIII	Eastern Visayas	924,197	755,231	81.72
IX	Zamboanga Peninsula	662,461	518,572	78.28
X	Northern Mindanao	995,487	877,605	88.16
XI	Davao Region	1,049,590	916,717	87.34
XII	SOCCSKSARGEN	1,035,647	822,605	79.43
CARAGA	Caraga	540,576	475,233	87.91
ARMM	Autonomous Region in Muslim Mindanao	685,490	231,996	33.84

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

Table 5.4.9. ***(continued)***

Region	HH's w/ satisfactory disposal of solid waste		HH's w/ complete basic sanitation facilities	
	No.	%	No.	%
Philippines	**14,740,582**	**72.52**	**14,083,231**	**69.28**
NCR	2,142,245	95.34	2,126,334	94.64
CAR	286,133	77.74	216,944	58.94
I	917,017	91.40	894,314	89.14
II	636,428	84.90	567,644	75.72
III	1,649,029	81.70	1,568,718	77.72
IV-A	2,383,081	84.11	2,320,249	81.89
IV-B	507,954	74.95	468,358	69.11
V	631,668	56.26	582,276	51.86
VI	1,286,642	75.93	1,177,485	69.49
VII	860,502	50.05	783,684	45.58
VIII	529,116	57.25	631,740	68.36
IX	339,510	51.25	240,795	36.35
X	634,560	63.74	659,609	66.26
XI	787,982	75.08	732,158	69.76
XII	636,558	61.46	674,258	65.11
CARAGA	344,268	63.69	304,574	56.34
ARMM	167,889	24.49	134,091	19.56

Table 5.4.10.
NUMBER OF HOUSEHOLDS WITH IMPROVED SANITATION FACILITY BY REGION, BY TYPE
2019

Region		Projected No. of Households (HHs)	HHs using Safely Managed Sanitation Service	
			No.	%
Philippines		**24,576,545**	**7,994,109**	**32.53**
NCR	National Capital Region	3,294,425	2,464,891	74.82
CAR	Cordillera Administrative Region	415,631	172,743	41.56
I	Ilocos Region	1,201,448	726,506	60.47
II	Cagayan Valley	845,444	683,450	80.84
III	Central Luzon	2,767,985	705,795	25.50
IV-A	CALABARZON	3,754,758	0	0.00
IV-B	MIMAROPA	723,149	52,894	7.31
V	Bicol Region	1,278,860	338,412	26.46
VI	Western Visayas	1,794,148	844,142	47.05
VII	Central Visayas	1,810,544	40,906	2.26
VIII	Eastern Visayas	1,046,689	309,151	29.54
IX	Zamboanga Peninsula	837,807	16,781	2.00
X	Northern Mindanao	1,113,224	0	0.00
XI	Davao Region	1,260,963	739,412	58.64
XII	SOCCSKSARGEN	1,132,821	603,268	53.25
CARAGA	Caraga	603,761	285,910	47.35
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	694,891	9,848	1.42

Source: Field Health Services Information System Annual Report, Department of Health

Note: Data are reported without any adjustment.

FHSIS Manual of Operations was updated in 2018.

0 = No Case

Table 5.4.10. ***(continued)***

Region	HHs with Satisfactory Solid Waste Management		HHs with complete Sanitation Facilities	
	No.	%	No.	%
Philippines	**11,230,443**	**45.70**	**11,249,148**	**45.77**
NCR	2,569,823	78.01	2,464,891	74.82
CAR	0	0.00	0	0.00
I	1,021,456	85.02	1,030,393	85.76
II	0	0.00	0	0.00
III	1,200,071	43.36	1,180,936	42.66
IV-A	1,657,352	44.14	1,654,089	44.05
IV-B	305,626	42.26	314,148	43.44
V	92,504	7.23	103,277	8.08
VI	1,252,814	69.83	1,152,672	64.25
VII	720,531	39.80	722,538	39.91
VIII	313,388	29.94	559,953	53.50
IX	155,916	18.61	148,086	17.68
X	646,502	58.07	622,510	55.92
XI	826,448	65.54	807,064	64.00
XII	0	0.00	483	0.04
CARAGA	290,727	48.15	321,553	53.26
ARMM	177,285	25.51	166,555	23.97

Table 5.5.1.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP, BY TYPE OF FUEL
2010

Region		Private		For-hire	
		Gas	Diesel	Gas	Diesel
Philippines		**4,284,543**	**1,320,671**	**692,914**	**238,228**
NCR	National Capital Region	1,247,758	446,413	99,938	78,160
CAR	Cordillera Administrative Region	29,399	31,425	8,050	7,764
I	Ilocos Region	220,593	62,437	69,751	10271
II	Cagayan Valley	123,217	51,999	55,856	6475
III	Central Luzon	546,947	184,184	114,823	38887
IV	CALABARZON & MIMAROPA	560,919	179,524	149,388	31,402
V	Bicol Region	147,659	29,085	26,787	8,231
VI	Western Visayas	210,273	72,767	44,864	15,940
VII	Central Visayas	387,100	77,908	36,722	12,197
VIII	Eastern Visayas	99,644	22,250	11,076	3,854
IX	Zamboanga Peninsula	145,165	21,679	14,942	3,543
X	Northern Mindanao	133,458	39,804	12,005	6,750
XI	Davao Region	201,215	45,677	17,932	7,238
XII	SOCCSKSARGEN	173,320	44,434	22,138	6,282
CARAGA	Caraga	57,876	11,085	8,642	1,234
ARMM	Autonomous Region in Muslim Mindanao	...	...	...	...

Table 5.5.2.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP, BY TYPE OF FUEL
2011

Region		Private		For-hire	
		Gas	Diesel	Gas	Diesel
Philippines		**4,692,399**	**1,374,651**	**717,139**	**250,836**
NCR	National Capital Region	1,333,281	460,647	99,401	86,526
CAR	Cordillera Administrative Region	32,071	34,782	8,400	7,640
I	Ilocos Region	233,796	63,837	73,438	9,618
II	Cagayan Valley	149,620	52,573	58,549	6,303
III	Central Luzon	607,671	183,371	123,861	40,400
IV	CALABARZON & MIMAROPA	621,773	179,715	154,550	34,941
V	Bicol Region	154,755	30,485	28,306	8,232
VI	Western Visayas	233,601	74,786	47,868	15,562
VII	Central Visayas	423,795	89,397	39,389	13,324
VIII	Eastern Visayas	107,309	23,037	11,988	3,783
IX	Zamboanga Peninsula	170,252	24,148	12,773	3,952
X	Northern Mindanao	147,612	49,389	11,642	6,740
XI	Davao Region	225,931	45,182	18,243	6,629
XII	SOCCSKSARGEN	177,203	49,493	19,451	5,835
CARAGA	Caraga	73,729	13,809	9,280	1,351
ARMM	Autonomous Region in Muslim Mindanao	...	...	...	...

… no data

Total number does not include trailers

Source: Land Transportation Office

Table 5.5.1. ***(continued)***

Region	Government		Diplomatic		Exempt		Total		Grand total
	Gas	Diesel	Gas	Diesel	Gas	Diesel	Gas	Diesel	
Philippines	**33,332**	**31,662**	**3,480**	**111**	**361**	**274**	**5,014,630**	**1,590,946**	**6,605,576**
NCR	7,612	6,666	3,276	...	...	...	1,358,584	531,239	1,889,823
CAR	286	970	...	...	...	...	37,735	40,159	77,894
I	1,129	1,538	...	...	2	...	291,475	74,246	365,721
II	864	1,749	...	...	...	2	179,937	60,225	240,162
III	3,791	3,231	...	...	355	265	665,916	226,567	892,483
IV	2,370	2,879	204	105	...	...	712,881	213,910	926,791
V	975	1,067	...	...	...	...	175,421	38,383	213,804
VI	1,719	2,166	...	...	...	...	256,856	90,873	347,729
VII	3,451	2,519	...	...	1	...	427,274	92,624	519,898
VIII	935	1,205	...	1	...	...	111,655	27,310	138,965
IX	1,972	1,319	...	...	1	5	162,080	26,546	188,626
X	1,769	1,577	...	4	2	1	147,234	48,136	195,370
XI	3,334	2,092	...	...	...	...	222,481	55,007	277,488
XII	2,328	1,776	...	1	...	...	197,786	52,493	250,279
CARAGA	797	908	...	...	...	1	67,315	13,228	80,543
ARMM	...	...	...	...	...	...	...	...	...

Table 5.5.2. ***(continued)***

Region	Government		Diplomatic		Exempt		Total		Grand total
	Gas	Diesel	Gas	Diesel	Gas	Diesel	Gas	Diesel	
Philippines	**33,245**	**33,905**	**3,426**	**171**	**352**	**287**	**5,446,561**	**1,659,850**	**7,106,411**
NCR	7,236	7,465	3,231	52	...	...	1,443,149	554,690	1,997,839
CAR	287	1,095	...	...	...	...	40,758	43,517	84,275
I	1,187	1,670	...	...	1	...	308,422	75,125	383,547
II	834	1,887	...	...	...	1	209,003	60,764	269,767
III	3,869	3,475	...	...	342	277	735,743	227,523	963,266
IV	2,685	3,089	193	117	...	...	779,201	217,862	997,063
V	930	1,023	...	...	...	...	183,991	39,740	223,731
VI	1,648	2,198	...	...	...	...	283,117	92,546	375,663
VII	3,800	2,832	...	...	...	...	466,984	105,553	572,537
VIII	975	1,314	...	...	...	...	120,272	28,134	148,406
IX	1,842	1,280	...	...	7	5	184,874	29,385	214,259
X	1,928	1,607	2	1	2	4	161,186	57,741	218,927
XI	2,933	2,043	...	...	...	...	247,107	53,854	300,961
XII	2,220	1,952	...	1	...	...	198,874	57,281	256,155
CARAGA	871	975	...	...	...	...	83,880	16,135	100,015
ARMM	...	...	...	...	...	...	...	...	...

Table 5.5.3.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP,BY TYPE OF FUEL
2012

Region		Private		For-hire	
		Gas	Diesel	Gas	Diesel
Philippines		**4,938,983**	**1,446,586**	**719,533**	**246,847**
NCR	National Capital Region	1,344,147	464,973	99,252	86,991
CAR	Cordillera Administrative Region	36,565	39,085	9,642	6,948
I	Ilocos Region	235,774	65,747	73,312	9,375
II	Cagayan Valley	163,695	56,642	62,128	6,355
III	Central Luzon	629,426	189,270	116,024	36,574
IV	CALABARZON & MIMAROPA	681,753	199,552	155,548	35,882
V	Bicol Region	172,892	30,778	30,801	8,199
VI	Western Visayas	253,032	78,399	47,355	14,686
VII	Central Visayas	462,694	95,135	41,012	13,932
VIII	Eastern Visayas	114,891	24,520	12,507	3,796
IX	Zamboanga Peninsula	175,717	29,618	12,503	3,692
X	Northern Mindanao	154,635	48,270	12,099	7,068
XI	Davao Region	239,593	47,606	18,916	7,105
XII	SOCCSKSARGEN	191,312	58,693	19,083	4,895
CARAGA	Caraga	82,857	18,298	9,351	1,349
ARMM	Autonomous Region in Muslim Mindanao	...	...	...	...

Table 5.5.4
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP,BY TYPE OF FUEL
2013

Region		Private		For-hire	
		Gas	Diesel	Gas	Diesel
Philippines		**5,095,537**	**1,544,363**	**703,112**	**232,976**
NCR	National Capital Region	1,384,482	503,696	93,552	83,203
CAR	Cordillera Administrative Region	40,516	42,010	10,145	6,889
I	Ilocos Region	259,454	70,676	72,249	8,251
II	Cagayan Valley	174,243	55,928	62,039	6,847
III	Central Luzon	635,193	201,622	112,363	34,007
IV	CALABARZON & MIMAROPA	697,744	203,647	154,247	31,928
V	Bicol Region	186,708	32,956	29,597	7,926
VI	Western Visayas	247,893	84,351	44,337	14,645
VII	Central Visayas	484,911	101,953	40,758	12,810
VIII	Eastern Visayas	121,276	25,573	13,266	3,487
IX	Zamboanga Peninsula	171,341	31,131	11,908	3,652
X	Northern Mindanao	168,037	55,393	11,542	7,251
XI	Davao Region	247,057	52,944	18,375	6,095
XII	SOCCSKSARGEN	193,208	62,409	19,112	4,601
CARAGA	Caraga	83,474	20,074	9,622	1,384
ARMM	Autonomous Region in Muslim	...	...	...	...

… no data
Total number does not include trailers
Source: Land Transportation Office

Table 5.5.3. ***(continued)***

Region	Government		Diplomatic		Exempt		Total		Grand total
	Gas	Diesel	Gas	Diesel	Gas	Diesel	Gas	Diesel	
Philippines	**34,314**	**36,076**	**2,921**	**139**	**304**	**231**	**5,696,055**	**1,729,879**	**7,425,934**
NCR	8,353	7,682	2,772		...	...	1,454,524	559,646	2,014,170
CAR	294	1,059	...	...	...	...	46,501	47,092	93,593
I	1,094	1,698	...	...	1	...	310,181	76,820	387,001
II	958	1,864	...	...	1	...	226,782	64,861	291,643
III	3,999	3,437	...	...	293	223	749,742	229,504	979,246
IV	2,592	3,347	149	135	1	...	840,043	238,916	1,078,959
V	1,006	1,098	...	...	...	...	204,699	40,075	244,774
VI	1,458	2,248	...	1	...	3	301,845	95,337	397,182
VII	4,153	3,698	...	...	...	...	507,859	112,765	620,624
VIII	975	1,441	...	...	...	...	128,373	29,757	158,130
IX	2,136	1,521	...	...	3	4	190,359	34,835	225,194
X	1,667	1,757	...	2	5	...	168,406	57,097	225,503
XI	2,467	2,192	...	...	...	...	260,976	56,903	317,879
XII	2,351	2,052	...	1	...	...	212,746	65,641	278,387
CARAGA	811	982	...	...	...	1	93,019	20,630	113,649
ARMM	...	...	...	...	...	...	...	...	...

Table 5.5.4 ***(continued)***

Region	Government		Diplomatic		Exempt		Total		Grand total
	Gas	Diesel	Gas	Diesel	Gas	Diesel	Gas	Diesel	
Philippines	**33,124**	**36,915**	**3,230**	**146**	**291**	**199**	**5,835,294**	**1,814,599**	**7,649,893**
NCR	6,925	8,141	3,116	...	...	...	1,488,075	595,040	2,083,115
CAR	279	1,181	...	...	...	...	50,940	50,080	101,020
I	1,331	1,878	1	...	1	...	333,036	80,805	413,841
II	988	1,721	...	...	...	2	237,270	64,498	301,768
III	3,870	3,305	...	...	286	192	751,712	239,126	990,838
IV	2,686	3,412	113	138	...	...	854,790	239,125	1,093,915
V	1,095	1,036	...	...	...	...	217,400	41,918	259,318
VI	1,230	2,435	...	2	...	3	293,460	101,436	394,896
VII	3,471	3,401	...	...	...	...	529,140	118,164	647,304
VIII	1,086	1,508	...	1	...	...	135,628	30,569	166,197
IX	1,833	1,530	...	...	...	1	185,082	36,314	221,396
X	1,700	1,970	...	4	4	1	181,283	64,619	245,902
XI	2,892	2,298	...	...	...	...	268,324	61,337	329,661
XII	2,512	1,991	...	1	...	...	214,832	69,002	283,834
CARAGA	1,226	1,108	...	...	...	...	94,322	22,566	116,888
ARMM	...	...	...	...	...	...	...	...	...

Table 5.5.5.
NUMBER OF REGISTERED PRIVATE AND FOR HIRE MOTOR VEHICLES BY REGION, BY TYPE OF FUEL
2014

Region		Private and For Hire		
		Gas	Diesel	CNG
Philippines		**6,131,471**	**1,907,762**	**263**
NCR	National Capital Region	1,585,349	617,578	4
CAR	Cordillera Administrative Region	59,574	48,713	251
I	Ilocos Region	344,289	86,107	...
II	Cagayan Valley	300,819	69,154	...
III	Central Luzon	726,197	274,680	...
IV-A	CALABARZON	776,671	226,012	...
IV-B	MIMAROPA	84,872	18,239	...
V	Bicol Region	230,044	44,555	...
VI	Western Visayas	316,278	110,565	6
VII	Central Visayas	564,074	113,906	1
VIII	Eastern Visayas	129,982	30,081	1
IX	Zamboanga Peninsula	206,863	41,232	...
X	Northern Mindanao	198,973	65,680	...
XI	Davao Region	282,229	65,822	...
XII	SOCCSKSARGEN	229,159	72,488	...
CARAGA	Caraga	96,098	22,950	...
ARMM	Autonomous Region in Muslim Mindanao	...	...	...

Table 5.5.6.
NUMBER OF REGISTERED PRIVATE AND FOR HIRE MOTOR VEHICLES BY REGION, BY TYPE OF FUEL
2015

Region		Private and For Hire		
		Gas	Diesel	CNG
Philippines		**6,574,177**	**2,086,974**	**33**
NCR	National Capital Region	1,599,577	696,185	2
CAR	Cordillera Administrative Region	55,776	50,193	...
I	Ilocos Region	388,261	92,360	...
II	Cagayan Valley	368,580	75,737	11
III	Central Luzon	756,921	281,525	...
IV-A	CALABARZON	877,513	236,165	...
IV-B	MIMAROPA	76,683	19,783	9
V	Bicol Region	258,482	48,045	...
VI	Western Visayas	345,298	119,056	3
VII	Central Visayas	591,786	117,411	2
VIII	Eastern Visayas	155,844	34,921	...
IX	Zamboanga Peninsula	222,294	57,471	...
X	Northern Mindanao	207,793	69,755	...
XI	Davao Region	316,842	75,206	4
XII	SOCCSKSARGEN	246,672	84,807	...
CARAGA	Caraga	105,855	28,354	2
ARMM	Autonomous Region in Muslim Mindanao	...	...	...

… no data

Total number does not include trailers

Source: Land Transportation Office

Table 5.5.5. ***(continued)***

Region	Private and For Hire			Grand total
	LPG	LEV	Other	
Philippines	**235**	**145**	**32**	**8,039,908**
NCR	116	62	27	2,203,136
CAR	6	...	...	108,544
I	1	...	...	430,397
II	3	...	...	369,976
III	...	...	...	1,000,877
IV-A	...	68	...	1,002,751
IV-B	...	...	...	103,111
V	...	...	3	274,602
VI	60	2	1	426,912
VII	19	4	...	678,004
VIII	...	4	...	160,068
IX	...	...	...	248,095
X	1	...	...	264,654
XI	25	4	...	348,080
XII	3	...	...	301,650
CARAGA	1	1	1	119,051
ARMM	...	...	...	...

Table 5.5.6. ***(continued)***

Region	Private and For Hire			Grand total
	LPG	LEV	Other	
Philippines	**236**	**201**	**40**	**8,661,661**
NCR	65	74	37	2,295,940
CAR	...	...	...	105,969
I	...	...	...	480,621
II	...	...	...	444,328
III	...	...	...	1,038,446
IV-A	...	120	...	1,113,798
IV-B	...	...	...	96,475
V	...	...	...	306,527
VI	80	...	2	464,439
VII	3	1	1	709,204
VIII	3	3	...	190,771
IX	3	...	...	279,768
X	...	...	...	277,548
XI	7	2	...	392,061
XII	...	...	...	331,479
CARAGA	75	1	...	134,287
ARMM	...	...	...	...

Table 5.5.7.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP, BY TYPE OF FUEL
2016

Region		Private				
		Gas	Diesel	CNG	LPG	LEV
Philippines		**6,337,717**	**1,861,264**	**373**	**79**	**552**
NCR	National Capital Region	1,591,083	591,860	1	37	206
CAR	Cordillera Administrative Region	66,818	48,116	...	27	...
I	Ilocos Region	370,693	85,197	...	...	13
II	Cagayan Valley	281,862	69,306	...	...	...
III	Central Luzon	692,440	250,772	...	...	...
IV-A	CALABARZON	801,234	218,181	...	...	6
IV-B	MIMAROPA	79,950	17,648	...	...	...
V	Bicol Region	263,861	41,865	...	...	12
VI	Western Visayas	334,348	106,726	1	8	121
VII	Central Visayas	576,627	98,438	...	1	141
VIII	Eastern Visayas	160,481	30,982	...	1	41
IX	Zamboanga Peninsula	237,758	54,188	...	1	1
X	Northern Mindanao	220,702	62,554	2	...	10
XI	Davao Region	323,114	68,248	...	1	...
XII	SOCCSKSARGEN	243,410	94,107	...	...	...
CARAGA	Caraga	93,336	23,076	369	3	1
ARMM	Autonomous Region in Muslim Mindanao	...	...	...	...	...

Table 5.5.8.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP, BY TYPE OF FUEL
2017

Region		Private				
		Gas	Diesel	CNG	LPG	LEV
Philippines		**7,245,568**	**2,063,538**	**12**	**46**	**1,387**
NCR	National Capital Region	1,737,096	649,836	1	16	234
CAR	Cordillera Administrative Region	80,157	55,807	...	23	...
I	Ilocos Region	414,314	91,602	...	...	...
II	Cagayan Valley	282,144	77,624	...	...	...
III	Central Luzon	832,728	269,004	...	...	...
IV-A	CALABARZON	954,074	234,396	...	...	349
IV-B	MIMAROPA	135,825	20,021	...	...	...
V	Bicol Region	296,873	48,530	...	...	12
VI	Western Visayas	393,486	115,755	3	5	213
VII	Central Visayas	619,886	125,726	...	...	164
VIII	Eastern Visayas	179,670	35,377	8	1	273
IX	Zamboanga Peninsula	274,245	57,634	...	1	3
X	Northern Mindanao	270,008	74,174	...	...	11
XI	Davao Region	371,398	75,936	...	...	128
XII	SOCCSKSARGEN	270,745	97,860	...	...	...
CARAGA	Caraga	132,919	34,256	...	...	...
ARMM	Autonomous Region in Muslim Mindanao	...	...	...	...	...

… no data

Total number does not include trailers

Source: Land Transportation Office

Table 5.5.7. ***(continued)***

Region	Private	For-hire					
	Other	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**22**	**671,606**	**246,524**	**-**	**223**	**-**	**7**
NCR	21	81,364	95,691	...	2	...	...
CAR	...	10,787	8,827	...	1	...	...
I	...	71,136	8,488	...	...	...	...
II	...	54,266	6,631	...	...	...	...
III	...	97,016	36,353	...	...	...	7
IV-A	...	125,935	28,683	...	...	...	...
IV-B	...	18,097	2,335	...	...	...	...
V	...	34,583	7,494	...	...	...	...
VI	1	51,575	16,447	...	220	...	...
VII	...	33,102	9,103	...	...	...	...
VIII	...	16,455	3,142	...	...	...	...
IX	...	12,484	3,476	...	...	...	...
X	...	11,173	6,962	...	...	...	...
XI	...	19,514	6,429	...	...	...	...
XII	...	24,076	5,323	...	...	...	...
CARAGA	...	10,043	1,140	...	...	...	...
ARMM	...	...	...	...	...	...	...

Table 5.5.8. ***(continued)***

Region	Private	For-hire					
	Other	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**35**	**714,771**	**251,813**	**2**	**202**	**15**	**-**
NCR	33	89,490	98,498	...	...	...	...
CAR	...	11,198	9,447	...	...	...	...
I	...	74,296	9,060	...	...	...	...
II	...	57,982	5,957	...	...	...	...
III	...	97,397	37,250	...	...	...	...
IV-A	...	129,076	27,334	...	...	4	...
IV-B	...	19,059	2,238	...	...	...	...
V	...	38,919	8,866	...	...	11	...
VI	1	55,959	16,036	...	202	...	...
VII	...	35,052	10,836	...	...	...	...
VIII	...	18,856	3,019	...	...	...	...
IX	...	13,271	3,204	...	...	...	...
X	...	13,968	7,669	2	...	...	...
XI	...	23,858	6,112	...	...	...	...
XII	...	24,621	4,859	...	...	...	...
CARAGA	1	11,769	1,428	...	...	...	...
ARMM	...	...	...	...	...	...	...

Table 5.5.7. ***(continued)***

Region	Government					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**35,659**	**43,676**	**30**	**-**	**1**	**-**
NCR	8,442	10,346	1	...	1	...
CAR	487	1,417	25	...	...	...
I	1,497	2,153	...	...	...	...
II	1,498	2,102	2	...	...	...
III	3,444	4,838	...	...	...	...
IV-A	2,412	3,508	...	...	...	...
IV-B	426	622	...	...	...	...
V	1,071	1,411	...	...	...	...
VI	1,536	2,889	...	...	...	...
VII	3,386	2,416	...	...	...	...
VIII	1,099	1,524	...	...	...	...
IX	1,656	2,130	...	...	...	...
X	1,657	2,013	...	...	...	...
XI	3,318	2,470	...	...	...	...
XII	2,768	2,607	2	...	...	...
CARAGA	962	1,230	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.8. ***(continued)***

Region	Government					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**33,703**	**43,348**	**40**	**1**	**3**	**2**
NCR	6,718	8,531	-	-	2	1
CAR	558	1,519	-	1	-	-
I	1,314	2,153	-	-	-	1
II	2,159	2,686	-	-	-	-
III	3,369	4,492	-	-	1	-
IV-A	2,184	3,828	-	-	-	-
IV-B	634	686	-	-	-	-
V	1,073	1,473	-	-	-	-
VI	1,359	2,863	-	-	-	-
VII	2,576	2,762	7	-	-	-
VIII	1,131	1,665	1	-	-	-
IX	1,656	2,030	1	-	-	-
X	1,852	2,284	-	-	-	-
XI	3,665	2,660	31	-	-	-
XII	2,243	2,299	-	-	-	-
CARAGA	1,212	1,417	-	-	-	-
ARMM	...	...	...	...	...	...

Table 5.5.7. ***(continued)***

Region	Diplomatic					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**2,931**	**141**	**-**	**-**	**-**	**-**
NCR	2,796	...	...	...	...	...
CAR	...	...	...	...	...	...
I	...	...	...	...	...	...
II	...	...	...	...	...	...
III	...	...	...	...	...	...
IV-A	132	135	...	...	...	...
IV-B	...	...	...	...	...	...
V	...	...	...	...	...	...
VI	...	...	...	...	...	...
VII	2	...	...	...	...	...
VIII	...	...	...	...	...	...
IX	1	...	...	...	...	...
X	...	6	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	...	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.8. ***(continued)***

Region	Diplomatic					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**2,668**	**169**	**-**	**-**	**-**	**-**
NCR	2,559	...	...	...	...	...
CAR	...	...	...	...	...	...
I	...	...	...	...	...	...
II	...	...	...	...	...	...
III	...	...	...	...	...	...
IV-A	109	163	...	...	...	...
IV-B	...	...	...	...	...	...
V	...	...	...	...	...	...
VI	...	...	...	...	...	...
VII	...	1	...	...	...	...
VIII	...	...	...	...	...	...
IX	...	...	...	...	...	...
X	...	4	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	1	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.7. ***(continued)***

Region	Exempt					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**237**	**208**	**-**	**-**	**-**	**-**
NCR	...	...	...	...	...	...
CAR	...	...	...	...	...	...
I	...	...	...	...	...	...
II	-	4	...	...	...	...
III	224	194	...	...	...	...
IV-A	...	...	...	...	...	...
IV-B	1	4	...	...	...	...
V	...	...	...	...	...	...
VI	7	5	...	...	...	...
VII	2	-	...	...	...	...
VIII	...	...	...	...	...	...
IX	...	...	...	...	...	...
X	3	...	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	1	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.8. ***(continued)***

Region	Exempt					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**239**	**234**	**-**	**-**	**-**	**-**
NCR	...	...	...	...	...	...
CAR	7	10	...	...	...	...
I	1	...	...	...	...	...
II	1	1	...	...	...	...
III	203	156	...	...	...	...
IV-A	...	...	...	...	...	...
IV-B	4	2	...	...	...	...
V	...	...	...	...	...	...
VI	4	6	...	...	...	...
VII	4	2	...	...	...	...
VIII	...	...	...	...	...	...
IX	15	55	...	...	...	...
X	...	...	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	2	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.7. ***(concluded)***

Total						Grand total
Gas	Diesel	CNG	LPG	LEV	Other	
7,048,150	**2,151,813**	**403**	**302**	**553**	**29**	**9,201,250**
1,683,685	697,897	2	39	207	21	2,381,851
78,092	58,360	25	28	...	...	136,505
443,326	95,838	...	...	13	...	539,177
337,626	78,043	2	...	...	...	415,671
793,124	292,157	...	...	...	7	1,085,288
929,713	250,507	...	...	6	...	1,180,226
98,474	20,609	...	...	...	...	119,083
299,515	50,770	...	...	12	...	350,297
387,466	126,067	1	228	121	1	513,884
613,119	109,957	...	1	141	...	723,218
178,035	35,648	...	1	41	...	213,725
251,899	59,794	...	1	1	...	311,695
233,535	71,535	2	...	10	...	305,082
345,946	77,147	...	1	...	...	423,094
270,254	102,037	2	...	...	...	372,293
104,341	25,447	369	3	1	...	130,161
...	...	...	...	...	...	...

Table 5.5.8. ***(concluded)***

Total						Grand total
Gas	Diesel	CNG	LPG	LEV	Other	
7,996,949	**2,359,102**	**54**	**249**	**1,405**	**37**	**10,357,796**
1,835,863	756,865	1	16	236	34	2,593,015
91,920	66,783	...	24	...	...	158,727
489,925	102,815	...	...	...	1	592,741
342,286	86,268	...	...	...	...	428,554
933,697	310,902	...	...	1	...	1,244,600
1,085,443	265,721	...	...	353	...	1,351,517
155,522	22,947	...	...	...	...	178,469
336,865	58,869	...	...	23	...	395,757
450,808	134,660	3	207	213	1	585,892
657,518	139,327	7	...	164	...	797,016
199,657	40,061	9	1	273	...	240,001
289,187	62,923	1	1	3	...	352,115
285,828	84,131	2	...	11	...	369,972
398,921	84,708	31	...	128	...	483,788
297,609	105,018	...	...	...	...	402,627
145,900	37,104	...	...	...	1	183,005
...	...	...	...	...	...	...

Table 5.5.9.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP, BY TYPE OF FUEL
2018

Region		Private				
		Gas	Diesel	CNG	LPG	LEV
Philippines		**8,284,738**	**2,175,457**	**5**	**34**	**853**
NCR	National Capital Region	1,915,688	648,507	...	4	183
CAR	Cordillera Administrative Region	84,773	62,460	...	19	...
I	Ilocos Region	453,419	98,413	...	...	...
II	Cagayan Valley	317,896	83,298	...	...	27
III	Central Luzon	913,677	281,058	...	...	...
IV-A	CALABARZON	1,085,975	255,106	...	1	325
IV-B	MIMAROPA	168,549	22,972	...	...	...
V	Bicol Region	355,437	53,642	...	...	14
VI	Western Visayas	445,770	124,376	5	4	82
VII	Central Visayas	717,927	142,116	...	...	157
VIII	Eastern Visayas	221,266	38,156	...	4	64
IX	Zamboanga Peninsula	323,313	59,593	...	1	...
X	Northern Mindanao	331,102	79,399	...	...	1
XI	Davao Region	455,279	88,423	...	...	...
XII	SOCCSKSARGEN	340,773	107,652	...	...	...
CARAGA	Caraga	153,894	30,286	...	1	...
ARMM	Autonomous Region in Muslim Mindanao	...	...	...	...	...

Table 5.5.10.
NUMBER OF REGISTERED VEHICLES BY REGION, BY TYPE OF OWNERSHIP, BY TYPE OF FUEL
2019

Region		Private				
		Gas	Diesel	CNG	LPG	LEV
Philippines		**9,233,809**	**2,302,482**	**22**	**48**	**687**
NCR	National Capital Region	2,153,007	675,498	1	12	437
CAR	Cordillera Administrative Region	93,359	69,756	...	17	...
I	Ilocos Region	482,519	106,809	...	...	...
II	Cagayan Valley	353,591	86,731	...	...	10
III	Central Luzon	1,025,400	290,752	...	...	...
IV-A	CALABARZON	1,193,893	267,889	...	3	76
IV-B	MIMAROPA	174,787	24,931	1	...	...
V	Bicol Region	380,130	59,100	...	...	4
VI	Western Visayas	468,742	147,717	13	5	41
VII	Central Visayas	877,274	134,823	7	...	93
VIII	Eastern Visayas	253,043	42,246	...	...	19
IX	Zamboanga Peninsula	362,414	58,978	...	2	...
X	Northern Mindanao	364,891	89,171	...	8	...
XI	Davao Region	496,676	93,984	...	...	...
XII	SOCCSKSARGEN	375,328	115,383	...	...	6
CARAGA	Caraga	178,755	38,714	...	1	1
BARMM	Bangasamoro Autonomous Region in Muslim Mindanao	...	...	...	...	...

… no data

Total number does not include trailers

Source: Land Transportation Office

Table 5.5.9. ***(continued)***

Region	Private	For-hire					
	Other	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**-**	**755,170**	**230,955**	**73**	**225**	**53**	**-**
NCR	...	97,348	84,841	...	...	...	...
CAR	...	11,029	8,587	...	1	...	...
I	...	78,632	7,539	...	...	...	...
II	...	59,773	5,462	...	...	...	...
III	...	99,107	34,564	...	...	...	...
IV-A	...	134,189	27,199	...	...	8	...
IV-B	...	22,560	2,220	...	...	...	...
V	...	39,967	7,814	...	...	45	...
VI	...	60,301	15,361	1	222	...	...
VII	...	38,161	11,763	2	1	...	...
VIII	...	20,342	3,195	...	...	...	...
IX	...	12,608	2,994	...	...	...	...
X	...	17,402	7,478	70	1	...	...
XI	...	25,031	6,204	...	...	...	...
XII	...	27,895	4,907	...	...	...	...
CARAGA	...	10,825	827	...	...	...	...
ARMM	...	...	...	...	...	...	...

Table 5.5.10. ***(continued)***

Region	Private	For-hire					
	Other	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**1**	**792,712**	**234,321**	**4**	**163**	**8**	**26**
NCR	...	99,195	95,326	...	...	...	...
CAR	...	11,372	8,441	...	...	...	...
I	...	81,781	7,513	...	...	...	...
II	...	63,491	6,401	...	...	...	...
III	...	104,195	29,131	...	...	...	3
IV-A	...	137,096	25,278	...	...	2	...
IV-B	...	24,039	1,834	...	...	...	...
V	...	43,896	8,055	...	...	...	...
VI	1	66,514	15,579	2	159	...	...
VII	...	41,652	11,360	2	4	...	...
VIII	...	21,309	3,272	...	...	...	...
IX	...	14,375	2,863	...	...	...	...
X	...	17,873	7,114	...	...	1	23
XI	...	26,097	6,267	...	...	...	...
XII	...	28,226	4,821	...	...	5	...
CARAGA	...	11,601	1,066	...	...	...	...
ARMM	...	...	...	...	...	...	...

Table 5.5.9. ***(continued)***

Region	Government					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**35,554**	**50,170**	**12**	**8**	**2,980**	**-**
NCR	7,634	11,867	12	8	...	...
CAR	659	1,535	...	...	...	...
I	1,317	2,302	...	...	...	...
II	1,660	2,467	...	...	...	...
III	3,302	4,856	...	...	...	...
IV-A	2,220	4,485	...	...	2,980	...
IV-B	662	749	...	...	...	...
V	1,115	1,665	...	...	...	...
VI	1,407	2,989	...	...	...	...
VII	2,763	3,299	...	...	...	...
VIII	1,324	1,838	...	...	...	...
IX	1,775	1,972	...	...	...	...
X	2,294	2,521	...	...	...	...
XI	4,023	3,702	...	...	...	...
XII	2,299	2,505	...	...	...	...
CARAGA	1,100	1,418	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.10. ***(continued)***

Region	Government					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**40,633**	**52,372**	**3**	**-**	**11**	**1**
NCR	10,162	10,391	3	...	...	...
CAR	621	1,662	...	...	...	...
I	1,599	2,435	...	...	...	...
II	2,334	4,348	...	...	...	...
III	3,451	4,917	...	...	...	...
IV-A	2,426	4,298	...	...	11	...
IV-B	736	800	...	...	...	...
V	1,436	1,737	...	...	...	...
VI	1,662	3,491	...	...	...	...
VII	3,287	3,762	...	...	...	1
VIII	1,438	1,931	...	...	...	...
IX	1,703	2,335	...	...	...	...
X	2,515	2,636	...	...	...	...
XI	3,706	3,049	...	...	...	...
XII	2,111	2,673	...	...	...	...
CARAGA	1,446	1,907	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.9. ***(continued)***

Region	Diplomatic					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**2,458**	**175**	**-**	**-**	**-**	**-**
NCR	2,347	...	...	...	...	...
CAR	...	...	...	...	...	...
I	...	...	...	...	...	...
II	...	...	...	...	...	...
III	...	...	...	...	...	...
IV-A	110	166	...	...	...	...
IV-B	...	...	...	...	...	...
V	...	...	...	...	...	...
VI	...	...	...	...	...	...
VII	...	2	...	...	...	...
VIII	...	...	...	...	...	...
IX	...	...	...	...	...	...
X	1	7	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	...	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.10. ***(continued)***

Region	Diplomatic					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**2,305**	**146**	**-**	**-**	**-**	**-**
NCR	2,183	...	...	...	...	...
CAR	...	...	...	...	...	...
I	...	...	...	...	...	...
II	...	...	...	...	...	...
III	...	...	...	...	...	...
IV-A	115	137	...	...	...	...
IV-B	...	...	...	...	...	...
V	...	...	...	...	...	...
VI	...	...	...	...	...	...
VII	1	1	...	...	...	...
VIII	...	...	...	...	...	...
IX	...	...	...	...	...	...
X	6	7	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	1	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.9. ***(continued)***

Region	Exempt					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**254**	**367**	**-**	**-**	**-**	**-**
NCR	5	2	...	...	...	...
CAR	1	14	...	...	...	...
I	1	-	...	...	...	...
II	1	6	...	...	...	...
III	184	169	...	...	...	...
IV-A	2	1	...	...	...	...
IV-B	4	1	...	...	...	...
V	-	-	...	...	...	...
VI	4	6	...	...	...	...
VII	2	10	...	...	...	...
VIII	1	1	...	...	...	...
IX	49	149	...	...	...	...
X	-	2	...	...	...	...
XI	-	-	...	...	...	...
XII	-	-	...	...	...	...
CARAGA	-	6	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.10. ***(continued)***

Region	Exempt					
	Gas	Diesel	CNG	LPG	LEV	Other
Philippines	**265**	**349**	**-**	**2**	**-**	**-**
NCR	26	27	...	...	...	...
CAR	...	...	...	...	...	...
I	...	...	...	...	...	...
II	2	9	...	...	...	...
III	153	121	...	...	...	...
IV-A	...	1	...	...	...	...
IV-B	3	1	...	...	...	...
V	...	...	...	...	...	...
VI	8	4	...	2	...	...
VII	7	23	...	...	...	...
VIII	...	...	...	...	...	...
IX	62	139	...	...	...	...
X	4	24	...	...	...	...
XI	...	...	...	...	...	...
XII	...	...	...	...	...	...
CARAGA	...	...	...	...	...	...
ARMM	...	...	...	...	...	...

Table 5.5.9. ***(concluded)***

Total						Grand total
Gas	Diesel	CNG	LPG	LEV	Other	
9,078,174	**2,457,124**	**90**	**267**	**3,886**	**-**	**11,539,541**
2,023,022	745,217	12	12	183	...	2,768,446
96,462	72,596	...	20	...	...	169,078
533,369	108,254	...	...	...	...	641,623
379,330	91,233	...	...	27	...	470,590
1,016,270	320,647	...	...	...	...	1,336,917
1,222,496	286,957	...	1	3,313	...	1,512,767
191,775	25,942	...	...	...	...	217,717
396,519	63,121	...	...	59	...	459,699
507,482	142,732	6	226	82	...	650,528
758,853	157,190	2	1	157	...	916,203
242,933	43,190	...	4	64	...	286,191
337,745	64,708	...	1	...	...	402,454
350,799	89,407	70	1	1	...	440,278
484,333	98,329	...	...	...	...	582,662
370,967	115,064	...	...	...	...	486,031
165,819	32,537	...	1	...	...	198,357
...	...	...	...	...	...	...

Table 5.5.10. ***(concluded)***

Total						Grand total
Gas	Diesel	CNG	LPG	LEV	Other	
10,069,724	**2,589,670**	**29**	**213**	**706**	**28**	**12,660,370**
2,264,573	781,242	4	12	437	...	3,046,268
105,352	79,859	...	17	...	...	185,228
565,899	116,757	...	...	...	...	682,656
419,418	97,489	...	...	10	...	516,917
1,133,199	324,921	...	...	...	3	1,458,123
1,333,530	297,603	...	3	89	...	1,631,225
199,565	27,566	1	...	...	...	227,132
425,462	68,892	...	...	4	...	494,358
536,926	166,791	15	166	41	1	703,940
922,221	149,969	9	4	93	1	1,072,297
275,790	47,449	...	...	19	...	323,258
378,554	64,315	...	2	...	...	442,871
385,289	98,952	...	8	1	23	484,273
526,479	103,300	...	...	...	...	629,779
405,665	122,877	...	...	11	...	528,553
191,802	41,688	...	1	1	...	233,492
...	...	...	...	...	...	...

Table 5.6.1a
TYPHOID AND PARATYPHOID FEVER CASES AND DEATHS BY REGION
2010-2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**2,025**	**662**	**10,331**	**564**
NCR	National Capital Region	0	19	234	16
CAR	Cordillera Administrative Region	0	7	214	6
I	Ilocos Region	958	36	1,389	31
II	Cagayan Valley	0	15	174	20
III	Central Luzon	0	30	296	24
IVA	CALABARZON	192	62	67	33
IVB	MIMAROPA	0	17	0	14
V	Bicol Region	371	75	240	80
VI	Western Visayas	0	81	1,003	77
VII	Central Visayas	0	74	1,159	69
VIII	Eastern Visayas	446	48	465	59
IX	Zamboanga Peninsula	0	54	1,341	53
X	Northern Mindanao	0	47	351	31
XI	Davao Region	58	25	413	14
XII	SOCCSKSARGEN	0	41	1,485	17
Caraga	Caraga	0	25	1,500	19
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	6	0	1

Table 5.6.1b
TYPHOID AND PARATYPHOID FEVER CASES AND DEATHS BY SEX
2010-2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**2,025**	**662**	**10,331**	**564**
Female	1,025	295	4,916	247
Male	1,000	367	5,415	317
Unspecified	0	0	0	0

Table 5.6.1c
TYPHOID AND PARATYPHOID FEVER CASES AND DEATHS BY AGE GROUP
2010-2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**2,025**	**662**	**10,331**	**564**
<1	64	3	615	3
1–4	272	22	1,676	22
5–14	603	86	2,698	78
15–49	660	387	4,600	319
50–64	86	89	504	83
65 & up	45	75	238	59
Unspecified	295	0	0	0

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:

Number of cases is per 100,000 population and is reported without any adjustment

Number of deaths is based on the results of actual registration without any adjustment for under registration

Number of deaths registered in foreign country is disregarded in this report

Table 5.6.1a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**12,511**	**563**	**4,574**	**440**	**8,106**	**526**
NCR	67	14	4	12	80	11
CAR	563	8	405	11	70	10
I	4,002	43	133	30	2,248	19
II	517	17	266	7	414	13
III	296	21	136	17	124	14
IVA	96	29	0	26	54	15
IVB	0	12	0	10	561	11
V	499	61	904	55	26	28
VI	1,505	66	1,159	56	1,137	222
VII	456	74	0	40	195	38
VIII	465	43	170	46	39	32
IX	776	54	0	37	1,544	32
X	1,046	41	670	42	464	21
XI	419	16	727	17	1,010	15
XII	699	28	0	14	0	20
Caraga	873	27	0	16	140	17
BARMM	232	9	0	4	0	8

Table 5.6.1b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**12,511**	**563**	**4,574**	**440**	**8,106**	**526**
Female	6,159	246	2,226	188	4,076	244
Male	6,352	317	2,348	252	4,030	282
Unspecified	0	0	2,348	0	0	0

Table 5.6.1c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**12,511**	**563**	**4,574**	**440**	**8,106**	**526**
<1	309	5	268	5	200	8
1–4	1,736	21	721	25	933	22
5–14	3,574	67	1,104	52	2,088	43
15–49	5,104	313	1,662	229	3,262	212
50–64	1,153	92	303	64	645	90
65 & up	635	65	208	63	346	150
Unspecified	0	0	308	2	632	1

Table 5.6.1a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**11,369**	**349**	**13,056**	**350**	**8,956**	**298**
NCR	29	11	7	5	16	11
CAR	214	5	240	6	234	2
I	2,550	23	2,005	18	1,392	15
II	1,312	11	770	11	710	16
III	35	12	0	17	4	6
IVA	97	13	129	15	10	25
IVB	58	14	28	14	142	8
V	93	27	44	46	155	32
VI	551	40	731	39	231	32
VII	0	43	173	61	119	43
VIII	407	32	1,908	25	1,519	18
IX	1,366	32	170	26	433	23
X	323	34	825	22	746	22
XI	193	17	1,166	8	336	19
XII	4,054	18	4,264	16	2,492	11
Caraga	87	9	33	17	8	9
BARMM	0	8	563	4	409	6

Table 5.6.1b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**11,369**	**349**	**13,056**	**350**	**8,956**	**298**
Female	5,719	138	6,731	144	4,356	127
Male	5,650	211	6,325	206	4,600	171
Unspecified	0	0	0	206	0	0

Table 5.6.1c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**11,369**	**349**	**13,056**	**350**	**8,956**	**298**
<1	223	2	502	2	305	0
1–4	1,676	5	2,112	8	1,537	9
5–14	3,418	24	3,800	42	2,518	31
15–49	4,603	189	5,211	178	3,673	160
50–64	744	60	839	60	619	51
65 & up	512	69	592	60	304	47
Unspecified	193	0	0	0	0	0

Table 5.6.1a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**7,550**	**297**	**3,746**	**242**
NCR	254	10	222	11
CAR	130	1	313	4
I	1,014	11	384	8
II	774	14	262	13
III	1	10	34	10
IVA	103	10	70	10
IVB	2	13	1	7
V	43	34	29	42
VI	1,026	43	317	18
VII	80	38	0	40
VIII	118	28	0	16
IX	1,737	22	1,534	18
X	8	20	268	17
XI	196	10	238	8
XII	1,882	19	24	10
Caraga	6	6	50	8
BARMM	176	8	0	2

Table 5.6.1b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**7,550**	**297**	**3,746**	**242**
Female	3,520	124	1,718	92
Male	4,030	173	2,028	150
Unspecified	0	0	0	0

Table 5.6.1c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**7,550**	**297**	**3,746**	**242**
<1	124	0	97	0
1–4	952	8	449	8
5–14	2,226	29	1,086	29
15–49	3,227	149	1,675	111
50–64	655	64	276	55
65 & up	366	47	163	39
Unspecified	0	0	0	0

Table 5.6.2a
ACUTE BLOODY DIARRHEA CASES AND DEATHS BY REGION
2010-2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**52,497**	**3,708**	**10,348**	**4,199**
NCR	National Capital Region	0	505	0	536
CAR	Cordillera Administrative Region	0	52	865	41
I	Ilocos Region	0	186	77	212
II	Cagayan Valley	0	133	144	120
III	Central Luzon	0	311	8,147	336
IVA	CALABARZON	27,348	451	230	481
IVB	MIMAROPA	0	113	0	99
V	Bicol Region	429	259	58	282
VI	Western Visayas	0	375	23	411
VII	Central Visayas	0	361	0	396
VIII	Eastern Visayas	1	212	4	247
IX	Zamboanga Peninsula	0	167	0	243
X	Northern Mindanao	0	148	0	241
XI	Davao Region	0	188	0	251
XII	SOCCSKSARGEN	24,719	155	0	134
Caraga	Caraga	0	84	800	157
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	8	0	12

Table 5.6.2b
ACUTE BLOODY DIARRHEA CASES AND DEATHS BY SEX
2010-2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**52,497**	**3,708**	**10,348**	**4,199**
Female	24,915	1,612	5,142	1,763
Male	27,582	2,096	5,206	2,436
Unspecified	0	0	0	0

Table 5.6.2c
ACUTE BLOODY DIARRHEA CASES AND DEATHS BY AGE GROUP
2010-2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**52,497**	**3,708**	**10,348**	**4,199**
<1	10,216	900	1,183	911
1–4	19,875	816	3,381	945
5–14	8,827	256	2,235	295
15–49	9,880	523	2,403	648
50–64	2,334	370	779	455
65 & up	936	843	367	945
Unspecified	429	0	0	0

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:
Number of cases is per 100,000 population and is reported without any adjustment
Number of deaths is based on the results of actual registration without any adjustment for under registration
Number of deaths registered in foreign country is disregarded in this report

Table 5.6.2a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**19,601**	**3,969**	**27,335**	**3,272**	**17,125**	**3,313**
NCR	17	522	17	419	31	350
CAR	1,183	30	284	41	182	36
I	91	184	0	149	27	150
II	133	154	133	118	161	140
III	8,147	337	292	284	150	287
IVA	3,486	481	7,289	440	14,066	524
IVB	165	93	0	84	7	71
V	266	357	12	231	546	225
VI	442	447	879	286	902	300
VII	18	330	15	332	522	362
VIII	5,653	229	5,653	181	322	168
IX	0	162	0	182	0	167
X	0	202	11,359	137	26	167
XI	0	201	419	152	130	128
XII	0	121	0	126	53	122
Caraga	0	102	983	87	0	91
BARMM	0	17	0	23	0	25

Table 5.6.2b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases[a]	Deaths	Cases	Deaths
Total	**19,601**	**3,969**	**27,335**	**3,272**	**17,125**	**3,313**
Female	9,646	1,758	13,121	1,426	8,383	1,465
Male	9,955	2,211	13,231	1,846	8,742	1,848
Unspecified	0	0	983	0	0	0

Table 5.6.2c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**19,601**	**3,969**	**27,335**	**3,272**	**17,125**	**3,313**
<1	2,788	843	4,822	901	2,776	809
1–4	6,728	869	9,436	672	6,136	692
5–14	3,743	259	4,908	182	3,425	178
15–49	5,041	575	5,941	463	3,624	456
50–64	918	416	994	297	660	334
65 & up	383	1,007	251	754	374	843
Unspecified	0	0	0	3	130	1

Table 5.6.2a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**36,255**	**3,674**	**61,281**	**4,799**	**19,310**	**4,035**
NCR	25	385	0	492	13	390
CAR	474	33	3,776	44	957	54
I	71	177	72	229	99	169
II	341	118	986	162	940	119
III	65	317	19	446	17	326
IVA	23,361	473	35,498	628	4,369	464
IVB	10,392	100	478	135	4	130
V	48	266	95	312	3,479	296
VI	104	337	773	498	138	440
VII	0	426	0	528	0	508
VIII	604	219	900	265	6,865	178
IX	13	174	9	242	32	171
X	0	189	0	239	21	243
XI	212	139	16,983	190	0	236
XII	545	172	420	183	297	145
Caraga	0	96	912	131	1,833	133
BARMM	0	53	360	75	246	33

Table 5.6.2b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**36,255**	**3,674**	**61,281**	**4,799**	**19,310**	**4,035**
Female	17,851	1,630	29,705	2,139	9,643	1,804
Male	18,404	2,044	31,576	2,660	9,667	2,231
Unspecified	0	0	0	0	0	0

Table 5.6.2c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**36,255**	**3,674**	**61,281**	**4,799**	**19,310**	**4,035**
<1	4,763	824	8,639	1,328	1,934	749
1–4	12,086	780	20,625	946	7,040	743
5–14	7,077	206	11,348	250	3,901	235
15–49	8,485	544	14,251	615	4,163	669
50–64	2,279	331	4,366	445	1,131	487
65 & up	1,353	986	2,052	1,214	1,141	1,152
Unspecified	212	3	0	1	0	0

Table 5.6.2a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**30,886**	**3,322**	**71,774**	**3,331**
NCR	1,850	333	0	369
CAR	169	40	89	43
I	83	141	54	170
II	391	140	35	105
III	4	321	109	323
IVA	22,591	406	61,444	419
IVB	0	124	8	132
V	75	253	2,362	196
VI	98	352	102	349
VII	0	321	1,504	297
VIII	751	161	164	140
IX	3,178	153	2,498	138
X	1,346	165	976	182
XI	153	144	44	192
XII	197	131	210	129
Caraga	0	97	2,175	108
BARMM	0	40	0	39

Table 5.6.2b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**30,886**	**3,322**	**71,774**	**3,331**
Female	15,437	1,447	36,897	1,473
Male	15,449	1,875	34,877	1,858
Unspecified	0	0	0	0

Table 5.6.2c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**30,886**	**3,322**	**71,774**	**3,331**
<1	3,841	738	10,034	842
1–4	11,158	596	21,167	517
5–14	6,847	160	17,181	168
15–49	6,593	462	16,258	486
50–64	1,471	413	4,434	355
65 & up	976	951	2,700	963
Unspecified	0	2	0	0

Table 5.6.3a
CONFIRMED CHOLERA CASES AND DEATHS BY REGION
2010-2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**1**	**3**	**36**	**2**
NCR	National Capital Region	0	1	11	0
CAR	Cordillera Administrative Region	0	0	0	0
I	Ilocos Region	0	0	0	0
II	Cagayan Valley	0	0	0	0
III	Central Luzon	0	0	0	0
IVA	CALABARZON	0	1	0	0
IVB	MIMAROPA	1	0	0	1
V	Bicol Region	0	0	6	0
VI	Western Visayas	0	0	0	0
VII	Central Visayas	0	0	0	0
VIII	Eastern Visayas	0	0	0	1
IX	Zamboanga Peninsula	0	0	0	0
X	Northern Mindanao	0	0	19	0
XI	Davao Region	0	0	0	0
XII	SOCCSKSARGEN	0	1	0	0
Caraga	Caraga	0	0	0	0
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	0	0	0

Table 5.6.3b
CONFIRMED CHOLERA CASES AND DEATHS BY SEX
2010-2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**1**	**3**	**36**	**2**
Female	1	1	16	1
Male	0	2	20	1
Unspecified	0	0	0	0

Table 5.6.3c
CONFIRMED CHOLERA CASES AND DEATHS BY AGE GROUP
2010-2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**1**	**3**	**36**	**2**
<1	0	0	2	1
1–4	1	0	6	0
5–14	0	0	16	0
15–49	0	2	10	1
50–64	0	1	2	0
65 & up	0	0	0	0
Unspecified	0	0	0	0

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:
Number of cases is per 100,000 population and is reported without any adjustment
Number of deaths is based on the results of actual registration without any adjustment for under registration
Number of deaths registered in foreign country is disregarded in this report

Table 5.6.3a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**55**	**24**	**129**	**5**	**99**	**7**
NCR	11	0	3	0	0	0
CAR	0	0	0	0	0	0
I	0	0	0	0	0	0
II	0	12	0	0	0	0
III	0	0	0	0	0	0
IVA	30	2	5	2	0	0
IVB	0	5	0	0	0	0
V	6	0	6	1	2	1
VI	0	0	0	0	5	4
VII	7	0	7	0	0	1
VIII	0	0	0	1	0	0
IX	0	2	0	0	0	0
X	0	2	3	0	0	0
XI	0	0	1	0	4	1
XII	1	1	104	1	88	0
Caraga	0	0	0	0	0	0
BARMM	0	0	0	0	0	0

Table 5.6.3b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**55**	**24**	**129**	**5**	**99**	**7**
Female	28	9	76	1	39	2
Male	27	15	53	4	60	5
Unspecified	0	0	0	0	0	0

Table 5.6.3c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**55**	**24**	**129**	**5**	**99**	**7**
<1	7	0	5	0	7	1
1–4	15	0	32	0	30	0
5–14	12	0	26	1	20	0
15–49	15	7	50	1	29	1
50–64	5	5	8	1	6	1
65 & up	1	12	2	2	3	4
Unspecified	0	0	6	0	4	0

Table 5.6.3a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**86**	**9**	**136**	**9**	**44**	**10**
NCR	1	0	0	0	7	0
CAR	0	1	0	0	0	0
I	0	0	17	0	3	0
II	5	1	34	3	0	0
III	1	0	26	0	0	0
IVA	7	1	39	0	1	2
IVB	0	0	0	0	0	2
V	2	0	2	1	0	0
VI	0	2	0	5	0	1
VII	0	0	0	0	0	0
VIII	0	0	0	0	0	1
IX	0	0	0	0	0	2
X	0	3	0	0	0	1
XI	0	0	5	0	5	0
XII	0	0	0	0	3	0
Caraga	70	1	13	0	25	0
BARMM	0	0	0	0	0	1

Table 5.6.3b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**86**	**9**	**136**	**9**	**44**	**10**
Female	38	5	74	6	19	1
Male	48	4	62	3	25	9
Unspecified	0	0	0	0	0	0

Table 5.6.3c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**86**	**9**	**136**	**9**	**44**	**10**
<1	1	0	12	1	6	0
1–4	15	0	22	0	13	2
5–14	37	0	41	0	4	1
15–49	26	3	49	1	12	3
50–64	4	1	7	4	3	3
65 & up	3	4	5	3	6	1
Unspecified	0	1	0	0	0	0

Table 5.6.3a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**25**	**2**	**60**	**2**
NCR	1	1	0	0
CAR	0	0	5	0
I	0	0	0	0
II	0	0	0	0
III	0	0	0	0
IVA	4	0	0	0
IVB	0	0	35	0
V	0	0	0	0
VI	0	0	5	0
VII	0	0	0	0
VIII	0	0	0	0
IX	2	0	5	1
X	0	0	1	0
XI	15	0	7	0
XII	3	0	2	1
Caraga	0	1	0	0
BARMM	0	0	0	0

Table 5.6.3b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**25**	**2**	**60**	**2**
Female	13	1	36	1
Male	12	1	24	1
Unspecified	0	0	0	0

Table 5.6.3c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**25**	**2**	**60**	**2**
<1	0	0	2	0
1–4	9	0	7	0
5–14	2	0	14	0
15–49	7	0	24	2
50–64	4	1	5	0
65 & up	3	1	8	0
Unspecified	0	0	0	0

Table 5.6.4a
VIRAL HEPATITIS CASES AND DEATHS BY REGION
2010-2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**3,169**	**734**	**1,474**	**730**
NCR	National Capital Region	26	112	9	128
CAR	Cordillera Administrative Region	0	13	9	9
I	Ilocos Region	78	21	402	37
II	Cagayan Valley	0	10	148	13
III	Central Luzon	0	69	20	55
IVA	CALABARZON	36	103	1	88
IVB	MIMAROPA	0	17	0	8
V	Bicol Region	103	35	43	30
VI	Western Visayas	0	61	396	46
VII	Central Visayas	0	59	0	103
VIII	Eastern Visayas	110	44	100	31
IX	Zamboanga Peninsula	0	45	42	39
X	Northern Mindanao	0	45	30	44
XI	Davao Region	71	37	53	42
XII	SOCCSKSARGEN	2,745	33	100	30
Caraga	Caraga	0	25	121	25
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	5	0	2

Table 5.6.4b
VIRAL HEPATITIS CASES AND DEATHS BY SEX
2010-2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**3,169**	**734**	**1,474**	**730**
Female	1,670	230	525	203
Male	1,499	504	949	527
Unspecified	0	0	0	0

Table 5.6.4c
VIRAL HEPATITIS CASES AND DEATHS BY AGE GROUP
2010-2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**3,169**	**734**	**1,474**	**730**
<1	11	4	13	9
1–4	80	5	83	9
5–14	403	13	293	9
15–49	1,806	341	976	354
50–64	621	250	82	242
65 & up	248	121	27	107
Unspecified	0	0	0	0

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:
Number of cases is per 100,000 population and is reported without any adjustment
Number of deaths is based on the results of actual registration without any adjustment for under registration
Number of deaths registered in foreign country is disregarded in this report

Table 5.6.4a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**1,724**	**768**	**1,407**	**758**	**1,571**	**785**
NCR	162	114	151	135	142	120
CAR	12	7	0	7	2	13
I	0	20	402	22	402	19
II	299	10	48	13	453	11
III	20	68	133	57	79	56
IVA	28	86	0	71	36	99
IVB	29	35	0	25	0	27
V	165	36	26	30	2	38
VI	456	83	353	59	156	45
VII	0	82	0	110	38	110
VIII	102	39	31	38	11	32
IX	37	39	0	41	89	45
X	30	50	44	56	26	64
XI	0	33	219	46	126	52
XII	176	29	0	26	0	28
Caraga	204	28	0	17	9	22
BARMM	4	9	0	5	0	4

Table 5.6.4b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,724**	**768**	**1,407**	**758**	**1,571**	**785**
Female	784	229	473	190	513	236
Male	940	539	934	568	1,058	549
Unspecified	0	0	0	0	0	0

Table 5.6.4c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,724**	**768**	**1,407**	**758**	**1,571**	**785**
<1	44	6	20	6	8	8
1–4	77	6	103	4	38	8
5–14	376	16	293	10	201	5
15–49	880	357	874	345	1,144	353
50–64	174	256	93	275	55	261
65 & up	173	127	24	118	19	150
Unspecified	0	0	0	0	106	0

Table 5.6.4a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**1,551**	**836**	**1,956**	**888**	**1,348**	**900**
NCR	36	124	149	129	140	176
CAR	6	6	75	10	5	9
I	161	26	156	29	74	24
II	25	8	61	16	78	10
III	63	71	226	74	23	74
IVA	32	103	17	118	6	95
IVB	13	29	4	30	7	27
V	23	43	3	43	22	45
VI	383	88	296	56	275	64
VII	0	104	5	133	36	108
VIII	73	40	88	43	18	28
IX	34	37	32	39	28	35
X	69	51	66	49	101	68
XI	334	50	173	50	1	71
XII	290	22	272	33	220	32
Caraga	9	28	329	32	282	29
BARMM	0	6	4	4	32	5

Table 5.6.4b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,551**	**836**	**1,956**	**888**	**1,348**	**900**
Female	864	243	1,011	273	659	267
Male	687	593	945	615	689	633
Unspecified	0	0	0	0	0	0

Table 5.6.4c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,551**	**836**	**1,956**	**888**	**1,348**	**900**
<1	10	2	23	6	41	4
1–4	49	5	55	4	50	1
5–14	277	14	289	10	129	5
15–49	783	366	1,337	374	943	368
50–64	71	300	166	337	137	347
65 & up	27	147	86	157	48	175
Unspecified	334	2	0	0	0	0

Table 5.6.4a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**1,292**	**1,008**	**1,047**	**1,056**
NCR	75	172	186	184
CAR	1	11	6	14
I	0	20	65	23
II	69	16	1	22
III	0	73	0	80
IVA	15	101	13	125
IVB	1	25	8	32
V	72	39	8	43
VI	295	74	96	59
VII	19	162	0	141
VIII	81	55	2	48
IX	30	42	186	42
X	43	56	24	65
XI	273	73	54	82
XII	308	30	228	32
Caraga	0	47	170	56
BARMM	10	12	0	8

Table 5.6.4b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**1,292**	**1,008**	**1,047**	**1,056**
Female	782	314	588	327
Male	510	694	459	729
Unspecified	0	0	0	0

Table 5.6.4c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**1,292**	**1,008**	**1,047**	**1,056**
<1	14	1	22	5
1–4	27	2	67	4
5–14	114	3	87	4
15–49	978	366	717	380
50–64	113	434	120	443
65 & up	46	202	34	220
Unspecified	0	0	0	0

Table 5.6.5a
ROTAVIRUS CASES AND DEATHS BY REGION
2015-2019

Region		2015		2016	
		Cases	Deaths	Cases	Deaths
Philippines		**3,220**	**43**	**4,853**	**68**
NCR	National Capital Region	122	0	396	3
CAR	Cordillera Administrative Region	0	0	1	0
I	Ilocos Region	549	12	1023	19
II	Cagayan Valley	0	0	1	0
III	Central Luzon	1	0	11	0
IVA	CALABARZON	5	0	16	0
IVB	MIMAROPA	214	0	82	0
V	Bicol Region	50	0	323	5
VI	Western Visayas	336	1	726	3
VII	Central Visayas	0	0	1	0
VIII	Eastern Visayas	0	0	0	0
IX	Zamboanga Peninsula	0	0	2	0
X	Northern Mindanao	5	0	0	0
XI	Davao Region	0	0	0	0
XII	SOCCSKSARGEN	715	10	935	18
Caraga	Caraga	505	0	413	0
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	718	20	923	20

Table 5.6.5b
ROTAVIRUS CASES AND DEATHS BY SEX
2015-2019

Sex	2015		2016	
	Cases	Deaths	Cases	Deaths
Total	**3,220**	**43**	**4,853**	**68**
Female	1,318	21	2,017	31
Male	1,902	22	2,836	37

Table 5.6.5c
ROTAVIRUS CASES AND DEATHS BY AGE GROUP
2015-2019

Age	2015		2016	
	Cases	Deaths	Cases	Deaths
Total	**3,220**	**43**	**4,853**	**68**
<1 to 2 mos	207	3	316	6
3–5 mos	315	1	470	10
6–8 mos	448	7	623	12
9–11 mos	437	7	620	8
12–17 mos	1,043	14	1,601	23
18–23 mos	1	0	1	0
24 - 59 mos	754	11	1,212	9
> 59 mos	5	0	10	0
Unknown	10	0	0	0

Source: Philippine Integrated Disease Surveillance and Response, Epidemiology Bureau, Department of Health

Note: Number of cases and deaths are per 100,000 population and are reported without any adjustment

Rotavirus surveillance started in Philippine Integrated Disease Surveillance and Response (PIDSR) in the year 2015

Table 5.6.5a *(continued)*

Region	2017		2018		2019	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**4,012**	**48**	**3,198**	**32**	**4,305**	**35**
NCR	272	0	225	0	97	1
CAR	0	0	0	0	0	0
I	864	20	666	10	577	4
II	0	0	0	0	0	0
III	1	0	4	0	2	0
IVA	12	0	8	0	3	0
IVB	168	1	281	0	104	0
V	228	0	404	1	719	2
VI	680	8	415	0	154	1
VII	2	0	1	0	3	0
VIII	0	0	0	0	1632	4
IX	0	0	0	0	0	0
X	1	0	1	0	4	0
XI	2	0	0	0	0	0
XII	744	9	502	7	339	3
Caraga	297	0	85	0	257	0
BARMM	741	10	606	14	414	20

Table 5.6.5b *(continued)*

Sex	2017		2018		2019	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**4,012**	**48**	**3,198**	**32**	**4,305**	**35**
Female	1,681	18	1,328	14	1,839	17
Male	2,331	30	1,870	18	2,466	18

Table 5.6.5c *(continued)*

Age	2017		2018		2019	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
	4,012	**48**	**3,198**	**32**	**4,305**	**35**
<1 to 2 mos	211	2	184	3	185	5
3–5 mos	455	8	301	5	388	6
6–8 mos	493	10	404	6	542	11
9–11 mos	461	10	417	3	567	5
12–17 mos	1,312	13	1,017	9	1,432	5
18–23 mos	0	0	0	0	0	0
24 - 59 mos	1,043	4	849	6	1,137	3
> 59 mos	23	0	3	0	43	0
Unknown	14	1	23	0	11	0

Table 5.6.6a
LEPTOSPIROSIS CASES AND DEATHS BY REGION
2010-2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**1,280**	**85**	**4,834**	**295**
NCR	National Capital Region	207	18	738	67
CAR	Cordillera Administrative Region	18	1	34	6
I	Ilocos Region	88	9	287	38
II	Cagayan Valley	81	5	220	15
III	Central Luzon	290	5	1,166	39
IVA	CALABARZON	46	8	123	5
IVB	MIMAROPA	6	0	37	1
V	Bicol Region	99	5	147	6
VI	Western Visayas	242	17	1,469	79
VII	Central Visayas	60	11	84	9
VIII	Eastern Visayas	24	0	67	8
IX	Zamboanga Peninsula	15	2	49	8
X	Northern Mindanao	32	3	146	3
XI	Davao Region	61	1	202	11
XII	SOCCSKSARGEN	1	0	10	0
Caraga	Caraga	8	0	55	0
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	2	0	0	0

Table 5.6.6b
LEPTOSPIROSIS CASES AND DEATHS BY SEX
2010-2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**1,280**	**85**	**4,834**	**295**
Female	138	8	577	20
Male	1,142	77	4,257	275

Table 5.6.6c
LEPTOSPIROSIS CASES AND DEATHS BY AGE GROUP
2010-2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**1,280**	**85**	**4,834**	**295**
<1–4	9	0	39	1
5–9	32	0	66	0
10–14	57	3	270	11
15–19	160	7	856	15
20-24	178	11	831	26
25-29	154	14	641	33
30-34	109	10	509	27
35-39	75	5	387	29
40-44	98	9	306	28
45-49	60	7	244	32
50-54	41	3	203	20
55-59	26	1	128	15
60 & up	32	4	135	14
Unspecified	249	11	219	44

Source: Philippine Integrated Disease Surveillance and Response, Epidemiology Bureau, Department of Health
Note: Number of cases and deaths are per 100,000 population and are reported without any adjustment

Table 5.6.6a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**7,636**	**357**	**4,471**	**257**	**1,562**	**99**
NCR	2,306	109	1,071	100	271	17
CAR	19	0	23	1	18	1
I	363	48	150	19	159	20
II	335	18	207	3	149	7
III	1,319	40	1,705	35	369	15
IVA	411	29	282	25	56	6
IVB	18	1	18	0	19	0
V	205	10	97	5	40	3
VI	1,216	57	462	20	202	14
VII	137	5	73	3	30	0
VIII	81	6	46	4	28	1
IX	50	6	95	15	38	2
X	961	12	39	3	67	4
XI	169	14	156	21	64	6
XII	7	1	18	1	6	0
Caraga	36	1	25	2	42	3
BARMM	3	0	4	0	4	0

Table 5.6.6b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**7,636**	**357**	**4,471**	**257**	**1,562**	**99**
Female	1,214	36	642	26	166	10
Male	6,422	321	3,829	231	1,396	89

Table 5.6.6c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**7,636**	**357**	**4,471**	**257**	**1,562**	**99**
<1–4	92	2	38	4	13	1
5–9	157	1	102	3	32	1
10–14	439	7	221	2	57	1
15–19	1,130	19	624	22	249	8
20-24	1,193	36	651	23	264	16
25-29	987	43	589	28	204	11
30-34	764	40	472	24	176	12
35-39	627	31	441	30	132	13
40-44	558	48	362	23	116	7
45-49	448	22	293	25	111	11
50-54	369	35	215	13	70	4
55-59	229	18	163	16	62	6
60 & up	298	21	201	24	57	6
Unspecified	345	34	99	20	19	2

Table 5.6.6a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**1,424**	**131**	**1,771**	**177**	**3,067**	**317**
NCR	279	36	440	48	568	82
CAR	20	3	39	0	76	2
I	147	20	315	47	432	57
II	49	3	64	8	197	20
III	332	14	308	19	235	26
IVA	55	7	136	16	137	11
IVB	55	5	33	0	25	6
V	57	7	58	1	102	11
VI	195	12	194	18	651	51
VII	34	2	28	8	170	23
VIII	45	3	13	0	112	10
IX	37	5	19	1	45	5
X	47	7	57	2	84	3
XI	45	3	39	7	167	6
XII	7	1	7	2	8	0
Caraga	12	2	19	0	52	4
BARMM	8	1	2	0	6	0

Table 5.6.6b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,424**	**131**	**1,771**	**177**	**3,067**	**317**
Female	189	8	203	16	363	36
Male	1,235	123	1,568	161	2,704	281

Table 5.6.6c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,424**	**131**	**1,771**	**177**	**3,067**	**317**
<1–4	7	1	14	0	26	2
5–9	22	1	36	0	53	2
10–14	54	3	68	1	130	8
15–19	176	6	258	14	476	29
20-24	231	14	254	17	460	37
25-29	172	17	230	19	369	35
30-34	163	16	176	11	336	30
35-39	132	12	181	20	281	32
40-44	119	8	144	17	254	35
45-49	81	10	123	13	217	39
50-54	82	10	102	14	164	24
55-59	58	6	70	12	139	18
60 & up	75	10	74	11	158	26
Unspecified	52	17	41	28	4	0

Table 5.6.6a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**5,556**	**533**	**3,541**	**366**
NCR	2,163	200	1,203	117
CAR	76	6	107	11
I	587	75	320	45
II	196	23	322	21
III	493	36	455	49
IVA	457	47	313	38
IVB	58	1	28	4
V	131	7	163	15
VI	697	74	327	32
VII	103	15	60	10
VIII	86	9	34	2
IX	109	15	39	6
X	59	8	47	3
XI	128	10	86	9
XII	9	1	9	0
Caraga	198	6	20	2
BARMM	6	0	8	2

Table 5.6.6b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**5,556**	**533**	**3,541**	**366**
Female	872	65	496	41
Male	4,684	468	3,045	325

Table 5.6.6c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**5,556**	**533**	**3,541**	**366**
<1–4	37	3	21	1
5–9	169	1	79	5
10–14	354	12	145	9
15–19	703	35	422	28
20-24	777	63	513	38
25-29	642	56	463	38
30-34	592	58	376	25
35-39	552	57	374	45
40-44	417	45	301	35
45-49	395	65	240	47
50-54	300	46	219	30
55-59	273	42	170	31
60 & up	336	50	213	34
Unspecified	9	0	5	0

Table 5.7.1a
DENGUE CASES AND DEATHS BY REGION
2010 to 2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**172,271**	**1,331**	**125,975**	**970**
NCR	National Capital Region	23,489	258	28,040	255
CAR	Cordillera Administrative Region	6,260	12	4,695	13
I	Ilocos Region	5,573	59	14,389	95
II	Cagayan Valley	6,074	45	9,673	38
III	Central Luzon	10,657	81	26,878	105
IV-A	CALABARZON	24,639	187	17,567	159
IV-B	MIMAROPA	2,233	22	1,580	13
V	Bicol Region	3,326	34	1,715	16
VI	Western Visayas	27,352	125	3,206	41
VII	Central Visayas	15,272	114	5,373	49
VIII	Eastern Visayas	11,996	73	867	8
IX	Zamboanga Peninsula	4,908	45	1,592	29
X	Northern Mindanao	7,374	119	2,000	38
XI	Davao Region	9,150	90	4,178	70
XII	SOCCSKSARGEN	9,922	44	2,735	32
Caraga	Caraga	3,118	22	1,208	9
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	928	1	279	0

Table 5.7.1b
DENGUE CASES AND DEATHS BY SEX
2010 to 2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**172,271**	**1,331**	**125,975**	**970**
Female	82,910	698	58,853	522
Male	89,361	633	67,122	448
Unspecified	0	0	0	0

Table 5.7.1c
DENGUE CASES AND DEATHS BY AGE GROUP
2010 to 2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**172,271**	**1,331**	**125,975**	**970**
<1–4	29,365	401	20,500	242
5–9	41,080	436	27,830	300
10–14	35,699	166	26,755	132
15–19	29,154	77	21,654	81
20-24	15,146	61	11,596	39
25-29	8,129	36	6,286	30
30-34	4,509	26	3,621	22
35-39	2,632	21	2,190	15
40-44	1,821	20	1,482	17
45-49	1,259	12	1,120	13
50-54	1,086	15	845	19
55-59	750	13	730	18
60 & up	1,514	47	1,365	42
Unspecified	127	0	1	0

Sources: Number of cases: Philippine Integrated Disease Surveillance and Response, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:

Number of cases is per 100,000 population and is reported without any adjustment

Number of deaths is based on the results of actual registration without any adjustment for under registration

Number of deaths registered in foreign country are disregarded in this report

Table 5.7.1a ***(continued)***

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**186,115**	**852**	**204,558**	**668**	**121,421**	**566**
NCR	35,644	164	23,395	76	8,925	59
CAR	5,729	9	8,693	11	2,567	5
I	9,594	29	16,553	47	6,982	20
II	7,806	26	15,918	30	3,848	13
III	28,181	75	20,576	27	14,453	40
IV-A	29,722	121	30,180	92	15,090	57
IV-B	2,341	12	5,065	14	2,582	13
V	3,755	25	2,968	30	2,329	14
VI	11,845	73	22,450	72	8,484	26
VII	19,019	82	15,805	50	6,561	45
VIII	1,658	14	3,726	12	5,216	15
IX	5,482	22	5,952	34	6,751	50
X	6,530	41	5,360	53	11,738	63
XI	10,095	115	10,879	55	8,557	55
XII	4,566	23	13,048	42	7,237	43
Caraga	2,709	18	3,591	21	8,603	44
BARMM	1,439	3	399	2	1,498	4

Table 5.7.1b ***(continued)***

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**186,115**	**852**	**204,558**	**668**	**121,421**	**566**
Female	87,808	436	95,606	321	57,083	299
Male	98,307	416	108,952	347	64,338	267
Unspecified	0	0	0	0	0	0

Table 5.7.1c ***(continued)***

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**186,115**	**852**	**204,558**	**668**	**121,421**	**566**
<1–4	28,719	243	30,306	179	17,798	148
5–9	41,721	287	43,270	192	24,283	161
10–14	38,439	102	40,111	81	23,173	51
15–19	31,552	46	34,233	56	20,411	38
20-24	17,741	31	20,103	33	12,112	37
25-29	9,701	22	11,389	15	6,941	17
30-34	5,940	28	7,551	12	4,706	22
35-39	3,279	14	4,536	14	2,919	10
40-44	2,296	16	3,223	12	2,084	19
45-49	1,663	12	2,483	15	1,725	12
50-54	1,397	8	2,102	6	1,440	14
55-59	1,094	12	1,718	17	1,104	11
60 & up	2,099	31	3,308	36	2,487	26
Unspecified	474	0	225	0	238	0

Table 5.7.1a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**213,616**	**921**	**220,160**	**1,196**	**152,224**	**1,082**
NCR	26,754	186	16,877	84	25,897	242
CAR	10,392	15	10,476	30	3,991	6
I	17,595	42	8,327	38	8,206	39
II	13,834	36	3,897	25	5,306	53
III	36,988	46	21,361	59	24,865	105
IV-A	35,955	162	24,528	139	22,318	160
IV-B	3,619	16	4,053	18	2,735	25
V	2,013	22	2,572	23	3,190	42
VI	10,348	39	26,315	78	10,302	75
VII	14,396	108	28,942	266	13,735	104
VIII	2,006	5	5,417	29	4,285	26
IX	6,980	44	7,275	39	4,607	31
X	10,298	65	17,868	88	6,671	45
XI	5,050	55	12,264	132	3,551	64
XII	9,568	38	19,192	93	9,432	41
Caraga	6,699	33	8,300	38	2,679	18
BARMM	1,121	9	2,496	17	454	6

Table 5.7.1b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**213,616**	**921**	**220,160**	**1,196**	**152,224**	**1,082**
Female	100,821	496	105,169	672	70,881	549
Male	112,795	425	114,991	524	81,343	533
Unspecified	0	0	0	0	0	0

Table 5.7.1c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**213,616**	**921**	**220,160**	**1,196**	**152,224**	**1,082**
<1–4	27,700	274	35,615	375	27,134	256
5–9	40,091	254	47,320	346	33,607	338
10–14	41,566	110	39,830	112	25,573	114
15–19	37,714	53	33,697	59	21,721	78
20-24	22,093	29	19,308	54	12,901	50
25-29	13,356	22	12,129	23	8,627	38
30-34	8,533	21	7,812	34	5,235	23
35-39	5,737	16	5,453	26	3,913	28
40-44	3,894	15	3,847	22	2,800	32
45-49	3,238	16	3,430	17	2,354	25
50-54	2,574	18	3,073	30	2,028	19
55-59	2,173	21	2,546	19	1,794	21
60 & up	4,549	72	5,669	79	4,236	60
Unspecified	398	0	431	0	301	0

Table 5.7.1a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**247,834**	**1,626**	**437,563**	**2,620**
NCR	29,319	254	40,658	313
CAR	7,599	23	8,926	28
I	14,819	76	19,300	86
II	17,688	93	16,723	116
III	31,747	129	36,915	166
IV-A	30,515	191	76,815	429
IV-B	7,719	45	10,621	60
V	3,561	69	11,282	149
VI	17,163	82	58,523	240
VII	22,356	152	31,698	231
VIII	10,922	49	26,256	85
IX	6,148	71	24,598	177
X	21,243	161	28,376	188
XI	6,348	110	8,054	139
XII	9,164	67	20,904	139
Caraga	9,079	42	12,458	63
BARMM	2,444	12	5,456	11

Table 5.7.1b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**247,834**	**1,626**	**437,563**	**2,620**
Female	117,441	903	207,096	1,385
Male	130,393	723	230,467	1,235
Unspecified	0	0	0	0

Table 5.7.1c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**247,834**	**1,626**	**437,563**	**2,620**
<1–4	35,609	319	62,305	473
5–9	53,085	603	98,498	871
10–14	52,635	192	86,036	366
15–19	38,054	100	67,745	166
20-24	21,056	64	39,418	104
25-29	13,038	66	24,343	103
30-34	8,290	41	15,195	90
35-39	5,933	38	10,522	69
40-44	4,190	29	7,257	52
45-49	3,587	34	5,797	45
50-54	3,020	30	5,081	55
55-59	2,627	20	4,610	56
60 & up	6,251	90	10,756	170
Unspecified	459	0	0	0

Table 5.7.2a
CHIKUNGUNYA CASES AND DEATHS BY REGION
2016 to 2019

Region		2016		2017	
		Cases	Deaths	Cases	Deaths
Philippines		**6,346**	**2**	**2,756**	**2**
NCR	National Capital Region	9	0	12	1
CAR	Cordillera Administrative Region	356	0	35	0
I	Ilocos Region	443	0	36	0
II	Cagayan Valley	0	0	2	0
III	Central Luzon	304	0	763	0
IV-A	CALABARZON	2,612	1	1,027	0
IV-B	MIMAROPA	267	0	312	0
V	Bicol Region	345	0	245	1
VI	Western Visayas	184	0	11	0
VII	Central Visayas	356	0	116	0
VIII	Eastern Visayas	777	0	145	0
IX	Zamboanga Peninsula	14	0	0	0
X	Northern Mindanao	556	0	36	0
XI	Davao Region	61	0	8	0
XII	SOCCSKSARGEN	1	0	1	0
Caraga	Caraga	61	1	7	0
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	0	0	0

Table 5.7.2b
CHIKUNGUNYA CASES AND DEATHS BY SEX
2016 to 2019

Sex	2016		2017	
	Cases	Deaths	Cases	Deaths
Total	**6,346**	**2**	**2,756**	**2**
Female	3,844	1	1,644	2
Male	2,502	1	1,112	0
Unspecified	0	0	0	0

Table 5.7.2c
CHIKUNGUNYA CASES AND DEATHS BY AGE GROUP
2016 to 2019

Age	2016		2017	
	Cases	Deaths	Cases	Deaths
Total	**6,346**	**2**	**2,756**	**2**
<1–4	358	0	162	0
5–9	497	0	216	0
10–14	593	0	220	0
15–19	596	0	240	0
20-24	584	0	200	0
25-29	599	0	239	0
30-34	525	0	241	0
35-39	503	0	213	0
40-44	444	0	214	1
45-49	436	0	202	0
50-54	373	0	173	0
55-59	299	0	144	0
60 & up	469	2	200	1
Unspecified	70	0	92	0

Sources: Number of cases: Philippine Integrated Disease Surveillance and Response, Epidemiology Bureau, Department of Health

Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:

Number of cases is per 100,000 population and is reported without any adjustment

Number of deaths is based on the results of actual registration without any adjustment for under registration

Number of deaths registered in foreign country are disregarded in this report

Chikungunya surveillance started in PIDSR in 2016

Table 5.7.2a *(continued)*

	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**2,900**	**1**	**1,138**	**0**
NCR	21	0	5	0
CAR	15	0	51	0
I	244	0	6	0
II	1	0	2	0
III	27	0	5	0
IV-A	1,402	0	695	0
IV-B	80	1	24	0
V	2	0	2	0
VI	130	0	22	0
VII	4	0	7	0
VIII	888	0	257	0
IX	0	0	4	0
X	16	0	22	0
XI	3	0	6	0
XII	0	0	0	0
Caraga	67	0	30	0
BARMM	0	0	0	0

Table 5.7.2b *(continued)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**2,900**	**1**	**1,138**	**0**
Female	1726	0	664	0
Male	1174	1	474	0
Unspecified	0	0	0	0

Table 5.7.2c *(continued)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**2,900**	**1**	**1,138**	**0**
<1–4	166	0	83	0
5–9	291	0	102	0
10–14	296	0	106	0
15–19	264	0	97	0
20-24	225	0	86	0
25-29	246	0	111	0
30-34	238	0	110	0
35-39	232	0	77	0
40-44	199	0	83	0
45-49	193	0	72	0
50-54	157	1	63	0
55-59	138	0	72	0
60 & up	241	0	73	0
Unspecified	14	0	3	0

Table 5.7.3a
MALARIA CASES AND DEATHS BY REGION
2010 to 2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**4,382**	**54**	**507**	**27**
NCR	National Capital Region	0	1	0	0
CAR	Cordillera Administrative Region	13	0	1	1
I	Ilocos Region	0	0	0	0
II	Cagayan Valley	0	5	67	1
III	Central Luzon	0	4	220	3
IV-A	CALABARZON	12	1	19	2
IV-B	MIMAROPA	4,357	25	0	13
V	Bicol Region	0	1	0	0
VI	Western Visayas	0	1	0	0
VII	Central Visayas	0	1	0	0
VIII	Eastern Visayas	0	1	0	0
IX	Zamboanga Peninsula	0	2	20	3
X	Northern Mindanao	0	1	6	1
XI	Davao Region	0	8	74	2
XII	SOCCSKSARGEN	0	1	83	1
Caraga	Caraga	0	1	17	0
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	1	0	0

Table 5.7.3b
MALARIA CASES AND DEATHS BY SEX
2010 to 2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**4,382**	**54**	**507**	**27**
Female	1,634	21	211	12
Male	2,748	33	296	15
Unspecified	0	0	0	0

Table 5.7.3c
MALARIA CASES AND DEATHS BY AGE GROUP
2010 to 2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**4,382**	**54**	**507**	**27**
<1	150	2	20	0
1–4	680	1	52	2
5–14	1,272	5	113	1
15–49	1,903	30	233	21
50–64	338	13	56	2
65 & up	39	3	33	1
Unspecified	0	0	0	0

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:

Number of cases is per 100,000 population and is reported without any adjustment

Number of deaths is based on the results of actual registration without any adjustment for under registration

Number of deaths registered in foreign country is disregarded in this report

* No report

Table 5.7.3a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**4,682**	**44**	**4,457**	**25**	**174**	**22**
NCR	0	1	10	1	0	2
CAR	0	0	0	1	2	1
I	1	2	0	0	3	1
II	30	2	254	0	5	0
III	220	2	0	1	0	2
IV-A	9	2	0	2	5	2
IV-B	3,707	12	4,137	7	1	6
V	0	0	0	0	0	1
VI	1	0	0	0	1	0
VII	0	3	0	0	0	3
VIII	1	7	2	0	0	1
IX	40	2	0	3	51	0
X	0	2	20	0	0	2
XI	36	1	1	3	0	1
XII	48	8	33	5	106	0
Caraga	589	0	0	0	0	0
BARMM	0	0	0	2	0	0

Table 5.7.3b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**4,682**	**44**	**4,457**	**25**	**174**	**22**
Female	2,001	11	1,878	5	63	10
Male	2,681	33	2,579	20	111	12
Unspecified	0	0	0	0	0	0

Table 5.7.3c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**4,682**	**44**	**4,457**	**25**	**174**	**22**
<1	138	0	145	0	1	1
1–4	853	2	1,107	1	27	2
5–14	1,389	1	1,751	4	77	1
15–49	1,972	22	1,427	12	61	8
50–64	191	14	21	4	7	5
65 & up	139	5	6	4	1	5
Unspecified	0	0	0	0	0	0

Table 5.7.3a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**5,208**	**19**	**314**	**11**	**1,589**	**8**
NCR	0	0	4	1	2	0
CAR	4	0	0	0	0	0
I	3	0	1	0	0	0
II	0	0	0	0	1	0
III	1	0	10	1	2	2
IV-A	4	1	0	3	1	2
IV-B	4,942	11	71	3	1,522	1
V	0	0	0	1	1	0
VI	0	0	0	0	1	2
VII	*	2	0	1	0	0
VIII	0	0	0	0	0	0
IX	76	2	1	0	8	0
X	0	0	0	0	0	0
XI	7	1	11	0	0	0
XII	170	0	133	1	47	0
Caraga	1	0	0	0	0	1
BARMM	*	2	83	0	4	0

Table 5.7.3b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**5,208**	**19**	**314**	**11**	**1,589**	**8**
Female	2,293	7	153	2	734	1
Male	2,915	12	161	9	855	7
Unspecified	0	0	0	0	0	0

Table 5.7.3c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**5,208**	**19**	**314**	**11**	**1,589**	**8**
<1	116	0	7	0	65	0
1–4	1,112	1	41	0	348	1
5–14	2,088	3	114	0	703	0
15–49	1,599	12	130	7	405	5
50–64	261	2	17	3	53	2
65 & up	25	1	5	1	15	0
Unspecified	7	0	0	0	0	0

Table 5.7.3a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**1,665**	**6**	**97**	**14**
NCR	5	1	0	2
CAR	0	0	0	0
I	2	0	3	0
II	0	1	0	0
III	0	0	0	1
IV-A	22	1	9	2
IV-B	1,600	0	0	4
V	0	0	0	0
VI	0	0	0	0
VII	0	1	0	1
VIII	0	0	0	0
IX	5	0	2	1
X	2	0	54	0
XI	2	1	7	1
XII	27	1	20	2
Caraga	0	0	2	0
BARMM	0	0	0	0

Table 5.7.3b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**1,665**	**6**	**97**	**14**
Female	666	1	42	6
Male	999	5	55	8
Unspecified	0	0	0	0

Table 5.7.3c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**1,665**	**6**	**97**	**14**
<1	62	0	12	0
1–4	352	0	24	0
5–14	678	0	22	1
15–49	507	2	35	6
50–64	53	3	4	4
65 & up	13	1	0	3
Unspecified	0	0	0	0

Table 5.8.1a
MEASLES CASES AND DEATHS BY REGION
2010 to 2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**6,241**	**51**	**6,473**	**38**
NCR	National Capital Region	2,046	16	1,169	12
CAR	Cordillera Administrative Region	182	1	230	0
I	Ilocos Region	194	0	402	3
II	Cagayan Valley	146	0	116	0
III	Central Luzon	377	5	608	2
IV-A	CALABARZON	905	8	754	6
IV-B	MIMAROPA	256	0	116	0
V	Bicol Region	453	4	589	3
VI	Western Visayas	162	1	297	1
VII	Central Visayas	122	3	239	3
VIII	Eastern Visayas	360	7	140	1
IX	Zamboanga Peninsula	196	2	346	1
X	Northern Mindanao	211	1	354	1
XI	Davao Region	123	1	531	2
XII	SOCCSKSARGEN	327	1	341	2
Caraga	Caraga	57	1	74	1
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	124	0	167	0

Table 5.8.1b
MEASLES CASES AND DEATHS BY SEX
2010 to 2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**6,241**	**51**	**6,473**	**38**
Female	3,087	24	3,108	11
Male	3,154	27	3,365	27
Unspecified	0	0	0	0

Table 5.8.1c
MEASLES CASES AND DEATHS BY AGE GROUP
2010 to 2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**6,241**	**51**	**6,473**	**38**
<1-4	3180	32	3026	27
5-9	1211	5	1086	4
10-14	566	6	699	2
15-19	437	3	666	2
20-24	218	1	267	0
25-29	315	0	419	3
30-34	114	0	185	0
35-39	31	2	40	0
40 and above	67	2	55	0
Unspecified	102	0	30	0

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:

Number of cases is per 100,000 population and is reported without any adjustment

Number of deaths is based on the results of actual registration without any adjustment for under registration

Number of deaths registered in foreign country is disregarded in this report

Table 5.8.1a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**1,738**	**21**	**5,593**	**107**	**54,211**	**499**
NCR	122	1	3,182	72	13,019	200
CAR	19	1	86	0	535	5
I	11	1	117	1	2,162	12
II	13	0	64	1	1,972	7
III	82	4	233	9	6,014	44
IV-A	213	6	1,067	15	8,579	84
IV-B	37	0	50	1	1,769	11
V	9	1	80	3	1,891	18
VI	517	1	389	2	1,871	6
VII	363	1	36	0	1,852	36
VIII	27	2	69	1	1,278	14
IX	87	2	60	0	709	6
X	59	0	21	0	2,307	13
XI	66	0	60	1	2,960	12
XII	44	1	57	1	3,989	15
Caraga	58	0	16	0	1,801	11
BARMM	11	0	6	0	1,503	5

Table 5.8.1b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,738**	**21**	**5,593**	**107**	**54,211**	**499**
Female	860	9	2,645	45	25,784	211
Male	878	12	2,948	62	28,427	288
Unspecified	0	0	0	0	0	0

Table 5.8.1c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**1,738**	**21**	**5,593**	**107**	**54,211**	**499**
<1-4	611	13	3366	99	28146	434
5-9	160	3	292	0	3211	12
10-14	198	1	405	2	4423	8
15-19	233	0	541	1	6333	9
20-24	150	2	348	1	4575	8
25-29	168	0	229	2	2618	7
30-34	114	0	275	0	3366	11
35-39	42	0	59	1	762	2
40 and above	57	2	50	1	523	8
Unspecified	5	0	28	0	254	0

Table 5.8.1a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**2,026**	**13**	**713**	**5**	**2,428**	**21**
NCR	108	1	49	1	124	0
CAR	59	0	13	0	61	0
I	56	0	117	0	157	0
II	75	0	14	0	12	0
III	37	1	30	1	129	4
IV-A	156	2	86	0	223	1
IV-B	50	0	28	0	34	0
V	4	1	18	0	22	1
VI	90	2	19	1	35	1
VII	59	1	14	2	20	0
VIII	196	0	53	0	17	0
IX	247	1	41	0	521	2
X	291	1	165	0	104	0
XI	183	1	14	0	206	2
XII	237	1	13	0	46	1
Caraga	108	1	24	0	26	2
BARMM	70	0	15	0	691	7

Table 5.8.1b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**2,026**	**13**	**713**	**5**	**2,428**	**21**
Female	970	7	372	1	1,176	8
Male	1,056	6	341	4	1,252	13
Unspecified	0	0	0	0	0	0

Table 5.8.1c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**2,026**	**13**	**713**	**5**	**2,428**	**21**
<1-4	1107	8	388	2	1548	15
5-9	117	0	58	2	219	1
10-14	146	2	43	0	85	2
15-19	199	0	57	0	176	1
20-24	177	3	50	0	146	0
25-29	83	0	40	0	87	0
30-34	100	0	26	1	58	0
35-39	38	0	12	0	29	0
40 and above	46	0	27	0	50	2
Unspecified	13	0	12	0	30	0

Table 5.8.1a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**22,865**	**338**	**49,756**	**801**
NCR	3,911	100	1,337	232
CAR	247	0	2,713	5
I	647	5	2,211	26
II	64	0	908	2
III	1,426	35	1,900	124
IV-A	3,164	112	1,816	229
IV-B	169	1	605	22
V	343	12	6,920	13
VI	907	3	9,475	14
VII	449	5	2403	16
VIII	239	6	628	26
IX	1,399	12	8,637	5
X	1,652	9	1,323	25
XI	1,555	17	2,759	39
XII	1,917	7	2,203	8
Caraga	305	0	1,709	11
BARMM	4,471	14	2,209	4

Table 5.8.1b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**22,865**	**338**	**49,756**	**801**
Female	10,794	143	23,542	337
Male	12,071	195	26,214	464
Unspecified	0	0	0	0

Table 5.8.1c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**22,865**	**338**	**49,756**	**801**
<1-4	15380	312	29507	707
5-9	1640	8	3234	17
10-14	789	3	1699	9
15-19	1323	4	3652	13
20-24	1406	2	4515	13
25-29	754	2	2784	11
30-34	518	2	1481	8
35-39	408	2	1476	15
40 and above	313	3	1069	8
Unspecified	334	0	339	0

Table 5.8.2a
ACUTE LOWER RESPIRATORY TRACTS INFECTION & PNEUMONIA CASES AND DEATHS BY REGION

2010 to 2019

Region		2010		2011	
		Cases	Deaths	Cases	Deaths
Philippines		**381,123**	**45,688**	**581,025**	**48,519**
NCR	National Capital Region	97,950	6,493	94,614	6,398
CAR	Cordillera Administrative Region	0	686	16,509	740
I	Ilocos Region	14,142	3,320	15,782	3,376
II	Cagayan Valley	0	2,340	13,371	2,442
III	Central Luzon	0	3,701	23,274	3,843
IV-A	CALABARZON	17,673	4,819	9,128	5,209
IV-B	MIMAROPA	0	995	0	1,125
V	Bicol Region	0	3,443	18,989	3,842
VI	Western Visayas	0	6,300	57,499	6,775
VII	Central Visayas	0	4,126	43,749	4,410
VIII	Eastern Visayas	191,292	2,686	168,242	2,879
IX	Zamboanga Peninsula	0	821	0	948
X	Northern Mindanao	0	1,773	20,710	2,003
XI	Davao Region	60,066	1,876	52,576	1,851
XII	SOCCSKSARGEN	0	1,405	46,582	1,553
Caraga	Caraga	0	867	0	1,093
BARMM	Bangsamoro Autonomous Region in Muslim Mindanao	0	37	0	32

Table 5.8.2b
ACUTE LOWER RESPIRATORY TRACTS INFECTION & PNEUMONIA CASES AND DEATHS BY SEX

2010 to 2019

Sex	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**381,123**	**45,688**	**581,025**	**48,519**
Female	191,504	22,985	293,605	24,184
Male	189,619	22,703	287,420	24,335
Unspecified	0	0	0	0

Table 5.8.2c
ACUTE LOWER RESPIRATORY TRACTS INFECTION & PNEUMONIA CASES AND DEATHS BY AGE GROUP

2010 to 2019

Age	2010		2011	
	Cases	Deaths	Cases	Deaths
Total	**381,123**	**45,688**	**581,025**	**48,519**
<1	72,638	2,645	118,052	2,800
1–4	125,214	2,065	203,775	2,205
5–14	77,125	1,045	102,561	1,075
15–49	70,135	4,169	96,672	4,527
50–64	22,172	5,111	35,261	5,491
65 & up	13,839	30,651	24,304	32,416
Unspecified	0	2	400	5

Sources: Number of cases: Field Health Services Information System Annual Report, Epidemiology Bureau, Department of Health
Number of deaths: Vital Statistics Division, Philippine Statistics Authority

Notes:

Number of cases is reported without any adjustment

Number of deaths is based on the results of actual registration without any adjustment for under registration

Number of deaths registered in foreign country is disregarded in this report

Table 5.8.2a *(continued)*

Region	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**526,638**	**50,258**	**745,302**	**53,188**	**488,415**	**53,766**
NCR	50,552	6,618	57,240	6,918	1,857	7,205
CAR	13,450	753	23,615	743	16,881	803
I	15,782	3,457	0	3,632	0	3,719
II	25,274	2,700	13,056	2,496	68,390	2,678
III	23,234	4,105	146,049	4,256	28,822	4,342
IV-A	16,611	5,477	99,700	5,848	117,522	6,203
IV-B	4,300	1,068	0	1,261	8,865	1,294
V	18,989	3,885	16,994	3,872	28,797	4,035
VI	69,665	7,007	66,918	7,478	56,202	7,099
VII	17,917	4,323	38,243	4,769	5,131	4,861
VIII	136,345	2,791	136,345	2,886	56,289	2,915
IX	16,505	910	0	1,126	0	1,094
X	25,076	2,035	23,247	2,287	20,618	2,052
XI	83,873	2,402	81,231	2,438	8,822	2,403
XII	1,401	1,511	42,664	1,905	60,055	1,710
Caraga	2,745	1,136	0	1,180	10,164	1,226
BARMM	4,919	80	0	93	0	127

Table 5.8.2b *(continued)*

Sex	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**526,638**	**50,258**	**745,302**	**53,188**	**488,415**	**53,766**
Female	270807	24,833	355,857	26,285	229,275	26,603
Male	255831	25,425	347,987	26,903	225,318	27,163
Unspecified	0	0	41,458	0	33,822	0

Table 5.8.2c *(continued)*

Age	2012		2013		2014	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**526,638**	**50,258**	**745,302**	**53,188**	**488,415**	**53,766**
<1	98,745	2,753	130,034	3,156	84,656	2,889
1–4	169,393	1,830	221,902	2,108	153,561	2,034
5–14	93,046	998	141,802	1,000	91,478	852
15–49	92,425	4,726	130,741	4,837	78,513	4,955
50–64	47,864	6,292	45,350	6,434	28,138	6,282
65 & up	25,126	33,655	23,346	35,621	18,247	36,724
Unspecified	39	4	52,127	32	33,822	30

Table 5.8.2a *(continued)*

Region	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Philippines	**540,987**	**49,673**	**786,085**	**57,888**	**481,561**	**57,278**
NCR	40,124	5,890	161,689	8,617	69,858	9,184
CAR	14,647	764	18,148	781	19,361	771
I	10,296	3,502	10,296	3,971	0	3,779
II	79,785	2,301	135,669	2,481	112,297	2,388
III	69,619	4,097	16,620	4,998	3,477	4,737
IV-A	112,528	5,681	105,022	6,594	21,502	6,551
IV-B	8,148	1,234	5,651	1,458	6,670	1,263
V	8,992	3,439	40,055	3,688	46,872	3,938
VI	43,042	6,277	49,656	7,573	40,182	7,168
VII	0	4,942	9,254	5,048	4	5,178
VIII	41,609	2,864	78,696	3,049	82,690	3,087
IX	7,103	1,033	21,454	1,243	6,732	1,257
X	30,695	2,071	22,362	2,330	21,392	2,355
XI	26,457	2,429	50,040	2,657	1,999	2,519
XII	35,227	1,680	30,280	1,851	20,474	1,543
Caraga	12,715	1,289	10,751	1,318	6,829	1,361
BARMM	0	180	20,442	231	21,222	199

Table 5.8.2b *(continued)*

Sex	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**540,987**	**49,673**	**786,085**	**57,888**	**481,561**	**57,278**
Female	273,827	25,023	401,533	28,847	251,345	28,873
Male	267,160	24,650	384,552	29,041	230,216	28,405
Unspecified	0	0	0	0	0	0

Table 5.8.2c *(continued)*

Age	2015		2016		2017	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Total	**540,987**	**49,673**	**786,085**	**57,888**	**481,561**	57,278
<1	96,074	2,376	131,044	2,893	75,624	1,769
1–4	157,514	1,461	232,755	1,723	146,491	1,589
5–14	100,495	811	159,419	912	96,068	721
15–49	98,119	4,416	154,255	5,290	94,737	5,107
50–64	38,428	5,708	63,008	7,045	38,012	7,826
65 & up	23,990	34,879	45,604	40,001	30,629	40,255
Unspecified	26,367	22	0	24	0	11

Table 5.8.2a *(concluded)*

Region	2018		2019	
	Cases	Deaths	Cases	Deaths
Philippines	**504,128**	**56,888**	**185,945**	**62,769**
NCR	42,025	8,791	18,071	9,374
CAR	25,108	714	2,190	785
I	0	4,023	0	4,000
II	108,708	2,274	296	2,372
III	0	4,955	53,507	5,710
IV-A	101,067	6,287	61,741	7,852
IV-B	5,223	1,340	1,098	1,492
V	20,455	3,332	3,517	3,625
VI	55,405	7,089	5,562	7,908
VII	0	5,244	14,335	5,758
VIII	26,070	3,275	1,393	3,453
IX	7,836	1,234	12	1,287
X	4,692	2,414	3,450	2,541
XI	29,018	2,621	10,436	3,075
XII	10,277	1,667	4,563	1,886
Caraga	5,839	1,401	5,774	1,462
BARMM	62,405	227	0	189

Table 5.8.2b *(concluded)*

Sex	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**504,128**	**56,888**	**185,945**	**62,769**
Female	263,989	28,985	96,602	31,302
Male	240,139	27,903	89,343	31,467
Unspecified	0	0	0	0

Table 5.8.2c *(concluded)*

Age	2018		2019	
	Cases	Deaths	Cases	Deaths
Total	**504,128**	**56,888**	**185,945**	**62,769**
<1	73,699	1,693	22,641	1,882
1–4	139,912	1,296	43,243	1,431
5–14	103,816	672	42,234	758
15–49	107,712	4,864	43,175	5,520
50–64	44,889	7,450	21,486	8,622
65 & up	34,100	40,902	13,166	44,551
Unspecified	0	11	0	5

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Component Six

Environmental Protection, Management, and Engagement

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COMPONENT SIX
ENVIRONMENTAL PROTECTION, MANAGEMENT, AND ENGAGEMENT

The sixth component in the compendium centers on the country's environmental protection and management. Specifically, this component consists of information on expenditures, regulations, and other activities such as international agreements focusing on the protection of the environment and management of resources (United Nations [UN], 2013). Statistics on public and private environmental protection expenditures may be used to compile the Environmental Protection Expenditure Accounts (EPEA), which is part of the System of Environmental-Economic Accounting (SEEA) 2012 – Central Framework.

The component also includes statistics connected with SDGs on ensuring the availability and sustainable management of water and sanitation for all (SDG 6), sustainable cities and communities (SDG 11), responsible consumption and production (SDG 12), climate change mitigation (SDG 13), protecting life on below water and on land (SDGs 14 and 15), and the country's engagement on global partnership in connection with protecting the environment (SDG 17) (UN, 2019).

Component 6 comprises four subcomponents: environmental protection and resource management expenditure; environmental governance and regulation; extreme event preparedness and disaster management; and environmental information and awareness. The three Tier 1 information in the FDES are compiled in this publication.

6.1. Environmental Protection and Resource Management Expenditure

This subcomponent monitors the level of environmental protection and resource management expenditure. Based on the FDES 2013, environmental protection activities are activities whose primary purpose is to prevent, reduce, and eliminate pollution and other forms of degradation of the environment (e.g., protection of ambient air and climate, wastewater management, waste management, etc.). Meanwhile, resource management activities are those activities whose primary purpose is to preserve and maintain the stock of natural resources, thereby safeguarding against depletion (e.g., reducing the withdrawals of natural resources, restoring natural resource stocks, etc.).

This subcomponent includes two topics. These are: 1) government environmental protection and resource management expenditure; and 2) corporate, non-profit institution, and household environmental protection and resource management expenditure. The primary goal of both topic is to protect the environment and manage its resources.

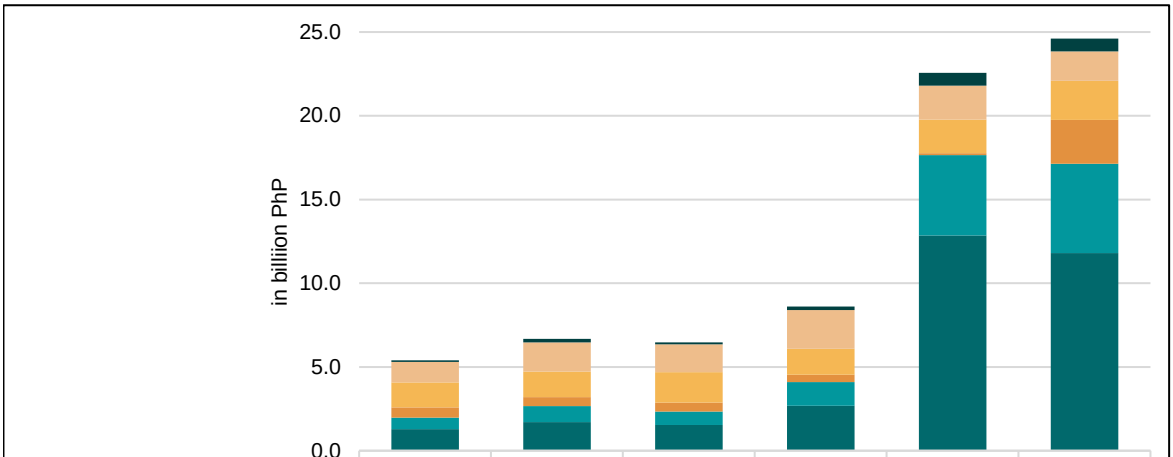
6.1.1 Annual Government Environmental Protection Expenditure

The FDES recommends compiling both environmental protection and resource management expenditures of public and private sectors; however, only the public environmental protection expenditure is deemed a core statistic. The data is sourced from the Budget of Expenditures and Sources of Financing (BESF) of the Department of Budget and Management (DBM). Three tables are compiled for this statistic, showing the annual government environmental protection expenditures from 2014 to 2019 and climate change expenditures from 2015 to 2019.

Environmental protection (EP) expenditures are broken down by activity: waste management, wastewater management, pollution abatement, protection of biodiversity and landscape, research and development, and others, and by department and state university or college. The environmental protection expenditure statistics provide information on the government and private sector's expenditure in strengthening its efforts to protect and safeguard the world's cultural and natural heritage – one of the targets of SDG 11: Sustainable cities and communities. Additionally, EP expenditures provide informational support towards more sustainable consumption and production patterns (SDG 12.a).

As shown in Figure 6.1, among the environmental protection (EP) activities, protection of biodiversity and landscape comprises the largest portion of the EP expenditures from 2017 to 2019. In 2019, expenditures for this activity amounted to almost PhP 11.80 billion or 48.0 percent of the total expenditures. Environmental protection not elsewhere classified (n.e.c) and wastewater management comprise the second (21.6%) and third (10.7%) largest portions of the expenditures in 2019, respectively.

Figure 6.1 Annual Government Environmental Protection Expenditures from 2014 to 2019, in billion Philippine pesos (Php)



	2014	2015	2016	2017	2018	2019
Research & Development	0.09	0.22	0.12	0.21	0.76	0.76
Waste management	1.23	1.72	1.67	2.32	2.02	1.76
Pollution abatement	1.49	1.55	1.82	1.55	2.01	2.34
Wastewater management	0.61	0.53	0.53	0.42	0.12	2.63
Environmental protection n.e.c.	0.70	0.96	0.81	1.43	4.79	5.33
Protection of biodiversity and landscape	1.28	1.70	1.53	2.68	12.86	11.80

Source: Department of Budget and Management

6.2. Environmental Governance and Regulation

Environmental governance and regulation provides a holistic view of national responses and require institutional strength and regulatory capabilities. Policymakers use this as their basis to determine the current and desired levels of engagement and commitment from both the government and private sector.

This subcomponent includes three topics. First, institutional strength, which covers government and citizen engagement in environmental and sustainable development public policy reflected in the extent to which institutions that manage and regulate the environment exist and function properly at the national and sub-national levels. Second is the environmental regulation and instruments, which are the policy responses to regulate and establish acceptable limits for protecting the environment and human health. Lastly, the participation in Multilateral Environmental Agreements (MEAs) and environmental conventions are the information on a country's involvement in MEAs and other global environmental conventions.

6.2.1 List of Regulated Pollutants and Description

Environmental regulation and instruments, as defined in the FDES 2013, are policy responses to regulate and establish acceptable limits for protecting the environment and human health. Republic Act No. 8749, or the Philippine Clean Air Act of 1999, for example, is a comprehensive air quality management policy and program aimed at achieving and maintaining healthy air in the Philippines.

Air pollutants are defined in RA 8749 as any matter found in the atmosphere other than oxygen, nitrogen, water vapor, carbon dioxide, or inert gases in natural or normal concentrations that is

harmful to health or the environment. Smoke, dust, soot, cinders, fly ash, solid particles of any kind, gases, fumes, chemical mists, steam, and radioactive substances are examples of these.

Aside from RA 8749, the Department of Environment and Natural Resources (DENR) issued administrative orders such as DAO No. 1994-26A – Philippine Standards for Drinking Water and DAO No. 2016-08 – Water Quality Guidelines and General Effluent Standards.

Water pollution, as defined in DAO No 2016-08, is any alteration of a water body's physical, chemical, biological, or radiological properties that impairs its purity or quality.

This component contains 37 tables that list the various limits for air and water pollutants. Furthermore, RA 8749 and the various Department Administrative Orders (DAOs) of the DENR described the limits for different types of vehicles and other air pollutant sources.

Statistics on the list of regulated pollutants contain information on the emission limit of pollutants to air and water. These statistics support formulating programs/orders to ensure availability and sustainable management of water and sanitation for all (SDG 6) and make cities and human settlements inclusive, safe, resilient, and sustainable (SDG 11).

6.2.2 List of Multilateral Environmental Agreements (MEAs)

A list of 21 multilateral environmental agreements (MEAs) and other international engagements of the Philippines are presented in this component. In addition, information on these MEAs, such as objectives and dates of entry, adoption, signature, and ratification, are also presented in the table, as sourced from the Department of Environment and Natural Resources and its bureaus, the Forest Management Bureau, and the Biodiversity Management Bureau.

Statistics on the list of multilateral environmental agreements are designed to respond to various issues concerning the environment. Hence, multilateral environmental agreements provide inputs to SDG 12: Responsible consumption and production, specifically indicator 12.4.1 – Number of parties to international multilateral environmental agreements on hazardous waste and other chemicals that meet their commitments and obligations in transmitting information as required by each relevant agreement and on indicator 14.c.1 – Number of countries making progress in ratifying, accepting and implementing through legal, policy and institutional frameworks, ocean-related instruments that implement international law, as reflected in the UN Conventions on the Law of the Sea, for the conservation and sustainable use of the oceans and their resources. Likewise, it is related to SDG 15: Life on land that aims to protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss and SDG 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development.

Statistical Tables

Environmental Protection, Management, and Engagement

Table 6.1.1
CLIMATE CHANGE (CC) EXPENDITURES[1/] BY DEPARTMENT AND SPECIAL PURPOSE FUND
FY 2015 to 2019
(In thousand Pesos)

Department/Special Purpose Fund	2015			2016		
	CC Expenditure			CC Expenditure		
	Adaptation	Mitigation	Total	Adaptation	Mitigation	Total
TOTAL	**117,125,236**	**10,630,731**	**127,755,967**	**128,261,829**	**8,807,675**	**137,069,504**
DEPARTMENTS	**115,977,865**	**10,611,253**	**126,589,118**	**126,875,697**	**8,795,767**	**135,671,464**
Department of Agrarian Reform	-	-	-	15,000	-	15,000
Department of Agriculture	13,044,322	283,691	13,328,013	17,164,762	331,718	17,496,480
Department of Energy	-	594,246	594,246	-	62,139	62,139
Department of Environment and Natural Resources	4,956,661	7,304,373	12,261,034	3,484,424	8,319,410	11,803,834
Department of Finance	-	-	-	-	-	-
Department of Foreign Affairs	1,487	-	1,487	1,448	-	1,448
Department of Information and Communications Technology				-	-	
Department of the Interior and Local Government	4,000	-	4,000	76,000	-	76,000
Department of Labor and Employment [2/]	359,253	-	359,253	1,083,902	-	1,083,902
Department of National Defense	333,361	1,666	335,027	334,867	26,898	361,765
Department of Public Works and Highways	93,102,183	-	93,102,183	101,701,697	-	101,701,697
Department of Science and Technology	4,099,477	74,146	4,173,623	2,907,943	49,007	2,956,950
Department of Social Welfare and Development	996	-	996	127	-	127
Department of Tourism	-	1,000	1,000	-	1,500	1,500
Department of Trade and Industry	22,000	-	22,000			
Department of Transportation (formerly Department of Transportation and Communications)	4,837	2,342,950	2,347,787	4,837	-	4,837
National Economic and Development Authority	1,811	-	1,811	5,988	-	5,988
Other Executive Offices [2/]	47,477	9,181	56,658	94,702	5,095	99,797
SPECIAL PURPOSE FUNDS	**1,147,371**	**19,478**	**1,166,849**	**1,386,132**	**11,908**	**1,398,040**
Allocation to Local Government Units [3/]	1,147,371	19,478	1,166,849	1,386,132	11,908	1,398,040
Budgetary Support to Government Corporations [4/]						

Note: "-" means zero

[1/] Net of the CC expenditures of State Universities and Colleges (SUCs)
[2/] Pertaining to the CC expenditures of the Climate Change Commission, the Pasig River Rehabilitation Commission, the National Youth Commission, and the Technical Education and Skills Development Authority
[3/] Representing the CC expenditures of the Metro Manila Development Authority
[4/] Referring to the CC expenditures of the National Dairy Authority, the Philippine Crop Insurance Corporation, the Philippine Fisheries Development Authority, the Philippine Rice Research Institute, the Local Water Utilities Administration, the Cultural Center of the Philippines, the National Housing Authority and the Nationa Irrigation Administration

Source: Department of Budget and Management

Table 6.1.2
CLIMATE CHANGE (CC) EXPENDITURES [1/] BY NATIONAL CLIMATE CHANGE ACTION PLAN (NCCAP) STRATEGIC PRIORITIES
FY 2015 to 2019
(In thousand Pesos)

NCCAP Strategic Priorities	2015			2016		
	CC Expenditure			CC Expenditure		
	Adaptation	Mitigation	Total	Adaptation	Mitigation	Total
TOTAL	**117,125,236**	**10,630,731**	**127,755,967**	**128,261,829**	**8,807,675**	**137,069,504**
Food Security	13,026,844	283,691	13,310,535	17,166,210	331,718	17,497,928
Water Sufficiency	51,871,944	-	51,871,944	76,641,226	-	76,641,226
Ecosystem and Environmental Stability	4,342,747	7,274,015	11,616,762	3,002,016	8,323,908	11,325,924
Human Security	517,111	-	517,111	343,734	-	343,734
Climate Smart Industries and Services	1,423,662	33,024	1,456,686	2,274,091	23,000	2,297,091
Sustainable Energy	41,585,548	3,030,820	44,616,368	25,935,976	120,454	26,056,430
Knowledge and Capacity Development	4,161,871	-	4,161,871	2,850,862	3,500	2,854,362
Cross-Cutting	195,509	9,181	204,690	47,714	5,095	52,809

Note: "-" means zero

1/ Net of the CC expenditures of Government-Owned and Controlled Corporations (GOCCs) and State Universities and Colleges (SUCs)

Source: Department of Budget and Management

Table 6.1.1 *(Continued)*

2017			2018			2019		
CC Expenditure			CC Expenditure			CC Expenditure		
Adaptation	Mitigation	Total	Adaptation	Mitigation	Total	Adaptation	Mitigation	Total
187,510,690	**10,440,859**	**197,951,549**	**267,821,792**	**9,844,861**	**277,666,653**	**233,618,778**	**8,944,557**	**242,563,335**
181,136,779	**8,877,477**	**190,014,256**	**260,387,844**	**7,780,629**	**268,168,473**	**226,467,277**	**7,207,501**	**233,674,778**
302,095	-	302,095	602,547	-	602,547	366,000	-	366,000
11,686,780	392,308	12,079,088	13,941,547	145,959	14,087,506	11,439,184	99,216	11,538,400
-	319,563	319,563	-	446,455	446,455	-	73,644	73,644
5,579,375	8,086,831	13,666,206	6,387,254	6,367,158	12,754,412	4,899,688	6,416,242	11,315,930
-	-	-	269,257	-	269,257	-	-	-
1,800	4,992	6,792	1,700	-	1,700	650	-	650
1,000	-	1,000	251,000	-	251,000	286,647	-	286,647
76,767	-	76,767	76,000	-	76,000	76,000	-	76,000
499,416	-	499,416	1,081,624	-	1,081,624	703,733	-	703,733
537,845	-	537,845	290,775	-	290,775	547,963	46,552	594,515
161,100,172	-	161,100,172	235,644,900	-	235,644,900	205,760,596	-	205,760,596
1,223,676	54,000	1,277,676	1,523,619	761,068	2,284,687	1,349,915	538,705	1,888,620
-	800	800	12,161	-	12,161	1,500	-	1,500
2,580	-	2,580	1,937	-	1,937	1,378	-	1,378
125,273	18,983	144,256	303,523	59,989	363,512	1,034,023	33,142	1,067,165
6,373,911	**1,563,382**	**7,937,293**	**7,433,948**	**2,064,232**	**9,498,180**	**7,151,501**	**1,737,056**	**8,888,557**
772,262	1,563,382	2,335,644	1,513,841	2,044,232	3,558,073	1,434,298	1,737,056	3,171,354
5,601,649	-	5,601,649	5,920,107	20,000	5,940,107	5,717,203	-	5,717,203

Table 6.1.2 *(Concluded)*

2017			2018			2019		
CC Expenditure			CC Expenditure			CC Expenditure		
Adaptation	Mitigation	Total	Adaptation	Mitigation	Total	Adaptation	Mitigation	Total
187,510,690	**10,440,859**	**197,951,549**	**267,821,792**	**9,844,861**	**277,666,653**	**233,618,778**	**8,944,557**	**242,563,335**
16,161,606	520,384	16,681,990	19,290,577	1,168,729	20,459,306	17,243,332	950,606	18,193,938
123,082,106	-	123,082,106	179,727,505	-	179,727,505	160,428,332	-	160,428,332
4,408,288	7,118,029	11,526,317	5,821,023	5,215,671	11,036,694	4,031,902	5,412,437	9,444,339
2,635,767	-	2,635,767	7,513,436	-	7,513,436	6,694,032	-	6,694,032
872,802	1,848,934	2,721,736	1,644,746	1,876,931	3,521,677	1,093,996	1,813,756	2,907,752
39,076,597	946,037	40,022,634	52,124,912	1,493,639	53,618,551	43,175,418	653,709	43,829,127
1,256,469	-	1,256,469	1,663,912	65,000	1,728,912	922,815	58,000	980,815
17,055	7,475	24,530	35,681	24,891	60,572	28,951	56,049	85,000

Table 6.2
GOVERNMENT ENVIRONMENTAL PROTECTION EXPENDITURES
2014 to 2019
(In thousand pesos)

Particulars	2014	2015	2016	2017	2018	2019
ENVIRONMENTAL PROTECTION	**5,396,706**	**6,679,518**	**6,473,928**	**8,604,645**	**22,554,330**	**24,607,541**
Waste management	**1,226,695**	**1,723,677**	**1,666,099**	**2,317,025**	**2,015,845**	**1,755,161**
State Universities and Colleges (SUCs)	-	-	-	-	-	-
Region IX - Zamboanga Peninsula	-	-	-	-	-	-
Zamboanga State College of Marine Sciences and Technolo	-	-	-	-	-	-
Department of Environment and Natural Resources (DENR)	233,158	728,407	575,810	1,325,019	1,022,307	821,235
Office of the Secretary	128,842	80,000	117,092	98,838	-	-
Environmental Management Bureau	104,316	648,407	458,718	1,226,181	1,022,307	821,235
Other Executive Offices	-	1,732	1,751	1,098	-	-
Philippine Commission of Women (National Commission on the Role of Filipino Women)	-	1,732	1,751	1,098	-	-
Allocations to Local Government Units	993,537	993,538	1,088,538	990,908	993,538	933,926
Metropolitan Manila Development Authority	993,537	993,538	1,088,538	990,908	993,538	933,926
Waste water management	**611,512**	**525,884**	**528,509**	**424,448**	**122,000**	**2,625,628**
State Universities and Colleges (SUCs)	-	-	-	-	-	-
Region V - Bicol	-	-	-	-	-	-
Catanduanes State University	-	-	-	-	-	-
National Capital Region (NCR)	-	-	-	-	-	-
University of the Philippines System	-	-	-	-	-	-
Department of Public Works and Highways (DPWH)	-	10,000	-	-	112,000	2,625,628
Office of the Secretary	-	10,000	-	-	112,000	2,625,628
Department of Science and Technology (DOST)	-	10,000	9,795	15,000	-	-
Philippine Science High School	-	10,000	9,795	15,000	-	-
Budgetary Support to Government Corporations	-	-	-	78,000	-	-
Department of Public Works and Highways (DPWH)	-	-	-	78,000	-	-
Local Water Utilities Administration	-	-	-	78,000	-	-
Allocations to Local Government Units	611,512	505,884	518,714	331,448	10,000	-
Metropolitan Manila Development Authority	611,512	505,884	518,714	331,448	10,000	-
Pollution abatement	**1,489,689**	**1,545,935**	**1,817,880**	**1,551,114**	**2,010,752**	**2,340,057**
Department of Agriculture (DA)	-	30,856	25,880	1,180	-	-
Office of the Secretary	-	30,856	25,880	1,180	-	-
Department of Environment and Natural Resources (DENR)	850,825	828,137	1,221,066	751,818	900,705	873,166
Office of the Secretary	-	-	-	-	80,000	80,000
Environmental Management Bureau	850,825	828,137	1,221,066	751,818	820,705	793,166
Department of Transportation and Communications (DOTC)	526,389	579,612	-	-	-	-
Philippine Coast Guard	526,389	579,612	-	-	-	-
Other Executive Offices	112,475	107,330	85,033	169,635	151,961	65,321
Pasig River Rehabilitation Commission	96,254	53,618	52,886	122,226	151,961	65,321
Philippine Commission of Women (National Commission on the Role of Filipino Women)	15,811	53,712	32,147	47,409	-	-
Presidential Management Staff	410	-	-	-	-	-
Department of Transportation	-	-	485,901	628,481	958,086	1,401,570
Philippine Coast Guard	-	-	485,901	628,481	958,086	1,401,570
Protection of biodiversity and landscape	**1,284,441**	**1,703,198**	**1,531,202**	**2,676,127**	**12,860,615**	**11,800,688**
State Universities and Colleges (SUCs)	-	3,000	2,981	-	-	-
Region XIII—Caraga	-	3,000	2,981	-	-	-
Caraga State University	-	3,000	2,981	-	-	-
Department of Environment and Natural Resources (DENR)	1,150,829	1,650,198	1,437,744	2,567,976	12,752,815	11,763,888
Office of the Secretary	1,108,940	1,602,083	1,389,657	2,500,131	12,586,136	11,613,032
National Mapping and Resource Information Authority	-	-	-	-	97,893	82,370
Palawan Council for Sustainable Development Staff	41,889	48,115	48,087	67,845	68,786	68,486
Department of Interior and Local Government (DILG)	133,612	50,000	90,477	58,651	36,800	36,800
Office of the Secretary	133,612	50,000	90,477	58,651	36,800	36,800
Department of Tourism (DOT)	-	-	-	-	71,000	-
Tourism Infrastructure and Enterprise Zone Authority	-	-	-	-	71,000	-
Allocations to Local Government Units (ALGU)	-	-	-	49,500	-	-
Metropolitan Manila Development Authority	-	-	-	49,500	-	-
R&D Environmental protection	**88,101**	**217,319**	**120,250**	**205,750**	**760,091**	**758,749**
State Universities and Colleges (SUCs)	-	-	-	-	-	-
Region XI—Davao	-	-	-	-	-	-
Davao Oriental State College of Science and Technology	-	-	-	-	-	-
Department of Environment and Natural Resources (DENR)	88,101	123,319	120,250	125,022	749,669	758,749
Office of the Secretary	-	-	-	-	599,182	596,050
Environmental Management Bureau	88,101	123,319	120,250	125,022	150,487	162,699
Department of Science and Technology (DOST)	-	-	-	9,695	-	-
Philippine Atmospheric, Geophysical and Astronomical Services Administration	-	-	-	-	-	-
Philippine Nuclear Research Institute	-	-	-	9,695	-	-
Other Executive Offices	-	94,000	-	71,033	-	-
Climate Change Commission	-	94,000	-	71,033	-	-
Allocations to Local Government Units (ALGU)	-	-	-	-	10,422	-
Metropolitan Manila Development Authority	-	-	-	-	10,422	-
Environmental protection n.e.c.	**696,268**	**963,505**	**809,988**	**1,430,181**	**4,785,027**	**5,327,258**
Department of Agriculture (DA)	88,862	366,854	204,881	711,935	269,212	217,625
Office of the Secretary	88,862	87,227	99,392	151,659	269,212	217,625
Bureau of Fisheries and Aquatic Resources	-	279,627	105,489	560,276	-	-
State Universities and Colleges (SUCs)	-	-	-	-	-	-
Region V—Bicol	-	-	-	-	-	-
Catanduanes State University	-	-	-	-	-	-
Region IX—Zamboanga	-	-	-	-	-	-
Zamboanga State College of Marine Sciences and Technolo	-	-	-	-	-	-
Department of Environment and Natural Resources (DENR)	136,700	200,933	196,968	327,595	3,716,578	4,021,661
Office of the Secretary	106,423	140,601	139,383	201,197	2,814,540	3,084,617
Environmental Management Bureau	30,277	60,332	57,585	126,398	278,387	412,977
National Mapping and Resource Information Authority	-	-	-	-	623,651	524,067
Department of Public Works and Highways (DPWH)	91,865	-	-	-	-	-
Office of the Secretary	91,865	-	-	-	-	-
Other Executive Offices	47,051	119,961	74,455	52,809	121,654	190,405
Climate Change Commission	47,051	119,961	74,455	52,809	121,654	40,405
Pasig River Rehabilitation Commission	-	-	-	-	-	150,000
Autonomous Region of Muslim Mindanao	331,790	275,757	333,684	337,842	326,654	345,644
Autonomous Regional Government in Muslim Mindanao	331,790	275,757	333,684	337,842	326,654	345,644
Allocations to Local Government Units (ALGU)	-	-	-	-	350,929	551,923
Metropolitan Manila Development Authority	-	-	-	-	350,929	551,923

Note: "-" means zero
Source: Department of Budget and Management

Table 6.3.1
INITIAL LIST AND VALUES OF HAZARDOUS AIR POLLUTANTS
FOR NATIONAL AMBIENT AIR QUALITY GUIDELINE FOR CRITERIA POLLUTANTS

Pollutants	Short Term[1]			Long Term[2]		
	µg/Ncm	ppm	Averaging Time	µg/Ncm	ppm	Averaging Time
Suspended Particulate Matter[3]						
TSP	230[4]		24 hours	90	…	1 year[5]
PM 10	150[6]		24 hours	60	…	1 year[5]
Sulfur Dioxide[3]	180	0.07	24 hours	80	0.03	1 year
Nitrogen Dioxide	150	0.08	24 hours	…	…	…
Photochemical Oxidants	140	0.07	1 hour	…	…	…
As Ozone	60	0.03	8 hours	…	…	…
Carbon Monoxide	35 mg/Ncm	30	1 hour	…	…	…
	10 mg/Ncm	9	8 hours	…	…	…
Lead[7]	1.5	…	3 months[7]	1	…	1 year

[1] Maximum limits represented by ninety-eight percentile (98%) values not to be exceed more than once a year.

[2] Arithmetic mean

[3] SO2 and Suspended Particulate matter are sampled once every six days when using the manual methods. A minimum of twelve sampling days per quarter of forty-eight sampling days each year is required for these methods. Daily sampling may be done in the future once continuous analyzers are procured and become available.

[4] Limits for Total Suspended Particulate Matter with mass median diameter less than 25-50 um.

[5] Annual Geometric Mean

[6] Provisional limits for Suspended Particulate Matter with mass median diameter less than 10 microns and below until sufficient monitoring data are gathered to base a proper guideline.

[7] Evaluation of this guideline is carried out for 24-hour averaging time and averaged over three moving calendar months. The monitored average value for any three months shall not exceed the guideline value.

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.2
INITIAL LIST AND VALUES OF HAZARDOUS AIR POLLUTANTS FOR NATIONAL AMBIENT AIR QUALITY STANDARDS FOR SOURCE SPECIFIC AIR POLLUTANTS FROM INDUSTRIAL SOURCES/ OPERATIONS

	Pollutants[1]	Concentration[2]		Averaging time (in minutes)	Method of Analysis/ Measurement[3]
		µ/Ncm	ppm		
1	Ammonia	200	0.28	30	Nesselerization/IndoPhenol
2	Carbon Disulfide	30	0.01	30	Tischer Method
3	Chlorine and Chlorine Compounds expressed as Cl[2]	100	0.03	5	Methyl Orange
4	Formaldehyde	50	0.04	30	Chromotropic acid Method or MBTH Colorimetric Method
5	Hydrogen Chloride	200	0.13	30	Volhard Titration with Iodine Solution
6	Hydrogen Sulfide	100	0.07	30	Methylene Blue
7	Lead	20		30	AAS[3]
8	Nitrogen Dioxide	375,260	0.20,0.14	30,60	Greiss- Saltzman
9	Phenol	100	0.03	30	4-Aminoantiphyrine
10	Sulfur Dioxide	470, 340	0.18, 0.13	30,60	Colorimetric-Pararosaniline
11	Suspended Particulate Matter - TSP	300	…	60	Gravimetric

[1] Pertinent ambient standards for Antimony, Arsenic, Cadmium, Asbestos, Nitric Acid and Sulfuric Acid Mists in the 1978 NPCC Rules and Regulations may be considered as guides in determining compliance.

[2] Ninety-eight percentile (98%) values of 30-minute sampling measured at 250C and one atmosphere pressure.

[3] Other equivalent methods approved by the Department may be used.

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.3
MAXIMUM LIMITS OF CONCENTRATION OF AIR POLLUTANTS AT THE POINT OF EMISSION WITH RESPECT TO ANY TRADE, INDUSTRY, PROCESS, AND FUEL-BURNING EQUIPMENT OR INDUSTRIAL PLANT

Pollutants	Standard Applicable to Source	Maximum Permissible Limits (mg/Ncm)	Method of Analysis[1]
1. Antimony and Its compounds	Any source	10 as Sb	AAS[2]
2. Arsenic and its compounds	Any source	10 as As	AAS[2]
3. Cadmium and its compounds	Any source	10 as Cd	AAS[2]
4. Carbon Monoxide	Any industrial Source	500 as CO	Orsat analysis
5. Copper and its Compounds	Any industrial source	100 ax Cu	AAS[2]
6. Hydrofluoric Acids and Fluoride compounds	Any source other than the manufacture of Aluminum from Alumina	50 as HF	Titration with Ammonium Thiocyanate
7. Hydrogen Sulfide	i) Geothermal Power Plants	[3, 4]	Cadmium Sulfide Method
	ii) Geothermal Exploration and well-testing	[5]	
	iii) Any source other than (i) and (ii)	7 as H_2S	Cadmium Sulfide Method
8. Lead	Any trade, industry or process	10 as Pb	AAS[2]
9. Mercury	Any Source	5 as elemental Hg	AASb/Cold-Vapor Technique or Hg Analyzer
10. Nickel and its compounds, except Nickel Carbonyl[6]	Any source	20 as Ni	AAS[2]
11. NOx	i) Manufacture of Nitric Acid	2,000 as acid and NOx and calculated as NO_2	Phenol-disulfonic acid Method
	ii) Fuel burning steam generators		Phenol-disulfonic acid Method
	Existing Source	1,500 as NO_2	
	New Source		
	• Coal-Fired	1,000 as NO_2	
	• Oil-Fired	500 as NO_2	
	iii) Any source other than (i) and (ii)		Phenol-disulfonic acid Method
	Existing Source	1000 as NO_2	
	New Source	500 as NO_2	
12. Phosphorus Pentoxide[7]	Any source	200 as P_2O_5	Spectrophotometry
13. Zinc and its Compounds	Any source	100 as Zn	AAS[2]

[1] Other equivalent methods approved by the Department may be used.

[2] Atomic Absorption Specttrophotometry

[3] All new geothermal power plants starting construction by 01 January 1995 shall control H_SS emissions to not more than 150 g/GMW-Hr

[4] All existing geothermal power plants shall control HsS emissions to not more than 200 g/GMW-Hr within 5 years from the date of effectivity of these revised regulations.

[5] Best practicable control technology for air emissions and liquid discharges. Compliance with air and water quality standards is required.

[6] Emission limit of Nickel Carbonyl shall not exceed 0.5 mg/Ncm.

[7] Provisional Guideline

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.4
MAXIMUM LIMITS OF PARTICULATES IN STATIONARY SOURCES
In milligram per normal cubic meters (mg/Ncm)

Sources	Maximum Limits (mg/Ncm)
1. Fuel Burning Equipment	
a) Urban or Industrial Area	150
b) Other Area	200
2. Cement Plants (Kilns, etc.)	150
3. Smelting Furnaces	150
4. Other Stationary Sources[1]	200

[1] Other Stationary Sources means a trade, process, industrial plant, or fuel burning equipment other than thermal power plants, industrial boilers, cement plants, incinerators and smelting furnaces.

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.5
MAXIMUM LIMITS FOR SULFUR OXIDES IN STATIONARY SOURCES

(1) Existing Sources	
(i) Manufacture of Sulfuric Acid and Sulf(on)ation Process	2.0 gm. Ncm as SO_3
(ii) Fuel burning Equipment	1.5 gm. Ncm as SO_2
(iii) Other Stationary Sources[1]	1.0 gm. Ncm as SO_3
(2) New Sources	
(i) Manufacture of Sulfuric Acid and Sulf(on)ation Process	1.5 gm. Ncm as SO_3
(ii) Fuel Burning Equipment	0.7 gm. Ncm as SO_2
(iii) Other Stationary Sources[1]	0.2 gm. Ncm as SO_3

[1] Other Stationary Sources refer to existing and new stationary sources other than those caused by the manufacture of sulfuric acid and sulfonation process, fuel burning equipment and incineration.

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.6
MAXIMUM LIMITS FOR EXHAUST GAS IN OTHER STATIONARY SOURCES OF POLLUTION, DAILY AND HALF HOURLY AVERAGE VALUES

	Daily Average Values	Half Hourly Average Values
Total dust	10 mg/m^3	30 mg/m^3
Gaseous and vaporous organic substances, expressed as total organic carbon	10 mg/m^3	20 mg/m^3
Hydrogen chloride (HCl)	10 mg/m^3	60 mg/m^3
Hydrogen fluoride (HF)	1 mg/m^3	4 mg/m^3
Sulfur dioxide (SO_2)	50 mg/m^3	200 mg/m^3
Nitrogen monoxide (NO) and Nitrogen dioxide (NO_2), expressed as nitrogen dioxide for incineration plants with a capacity exceeding 3 tonnes per hour	200 mg/m^3	400 mg/m^3
Nitrogen monoxide (NO) and nitrogen dioxide (NO_2), expressed as nitrogen dioxide for incineration plants with a capacity of 3 tonnes per hour or less	300 mg/m^3	
Ammonia	10 mg/m^3	20 mg/m^3

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.7
MAXIMUM LIMITS FOR EXHAUST GAS IN OTHER STATIONARY SOURCES OF POLLUTION, ALL THE AVERAGE VALUES OVER THE SAMPLE PERIOD OF A MINIMUM OF 4 HOURS AND MAXIMUM OF 8 HOURS

	Average Values over the Sample Period
Cadmium and its compounds, expressed as cadmium (Cd)	total 0.05 mg/m^3
Thallium and its compounds, expressed as thallium (Tl)	total 0.05 mg/m^4
Mercury and its Compounds, expressed as mercury (Hg)	0.05 mg/m^3
Antimony and its compounds, expressed as antimony (Sb)	total 0.5 mg/m^3
Arsenic and its compounds, expressed as arsenic (As)	total 0.5 mg/m^4
Lead and its compounds, expressed as lead (Pb)	total 0.5 mg/m^5
Chromium and its compounds, expressed as chromium (Cr)	total 0.5 mg/m^6
Cobalt and its compounds, expressed as cobalt (Co)	total 0.5 mg/m^7
Copper and its compounds, expressed as copper (Cu)	total 0.5 mg/m^8
Manganese and its compounds, expressed as manganese (Mn)	total 0.5 mg/m^9
Nickel and its compounds, expressed as nickel (Ni)	total 0.5 mg/m^{10}
Vanadium and its compounds, expressed as vanadium (V)	total 0.5 mg/m^{11}
Tin and its compounds, expressed as tin (Sn)	total 0.5 mg/m^{12}

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.8
EMISSION LIMITS FOR LIGHT DUTY VEHICLES TYPE APPROVAL (DIRECTIVE 91/441/EEC)

CO (g/km)[1]	HC + Nox (g/km)[2]	PM (g/km)[3]
2.72	0.97	0.14

[1] Carbon Monoxide in gram per kilometer
[2] Hydrocarbons plus Nitrogen oxides in gram per kilometer
[3] Particulate matter in gram per kilometer; value for compression-ignition engines only

Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.9
EMISSION LIMITS FOR LIGHT COMMERCIAL VEHICLES TYPE APPROVAL (DIRECTIVE 93/59/EEC)

	Reference Weight (RW) (kg)	CO (g/km)[1]	HC + NOx (g/km)[2]	PM (g/km)[3]
Category 1	1250< RW	2.72	0.97	0.14
Category 2	1250< RW<1700	5.17	1.40	0.19
Category 3	RW>1700	6.90	1.70	0.25

[1] Carbon Monoxide in gram per kilometer
[2] Hydrocarbons plus Nitrogen oxides in gram per kilometer
[3] Particulate matter in gram per kilometer; value for compression-ignition engines only
Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.10
EMISSION LIMITS FOR HEAVY DUTY VEHICLES TYPE APPROVAL (DIRECTIVE 91/542/EEC)

CO (g/k/Wh)	HC (g/k/Wh)	NOx (g/k/Wh)	PM (g/k/Wh)
4.5	1.1	8	0.36[1]

[1] Carbon Monoxide in grams per kilowatt-hour
Source: RA 8749 - Philippine Clean Air Act of 1999

Table 6.3.11
TYPE APPROVAL EMISSION LIMITS FOR PASSENGER VEHICLES (M) AND LIGHT DUTY VEHICLES (N1), EURO 2

Category/Class of Vehicle**		Limit Values					
		Reference Mass RW (kg)	Mass of Carbon Monoxide L_1 (g/km)		Combined Mass of Hydrocarbons and Oxides of Nitrogen L_2 (g/km)		Mass of Particulates L_3 (g/km)
Category	Class		Petrol	Diesel	Petrol	Diesel(1)	Diesel(1)
M(2)	-	all	2.20	1.0	0.5	0.7	0.08
N_1(3)	I	RW ≤ 1,250	2.2	1.0	0.5	0.7	0.08
	II	1,250<RW≤1,700	4.0	1.25	0.6	1.0	0.12
	III	1,700<RW	5.0	1.5	0.7	1.2	0.17

(1) Until 01 January 2011, for vehicles fitted with diesel engines of the direct injection type, the limit values L2 and L3 are the following:

	L_1	L_2
category M(2) and N_1(2) class I	0.9	0.10
category N_1(3) class II	1.3	0.14
category N_1(3) class III	1.6	0.20

(2) Except:
-vehicles designed to carry more than six occupants including the driver
-vehicles whose maximum mass exceed 2,500 kg
(3) And those category M vehicles which are specified in footnote (2)
**For the purpose of this DAO, "vehicle category" refers to a classification of power-drive vehicles in accordance with PNS 1891
Source: Department of Environment and Natural Resources Administrative Order No. 2010-23

Table 6.3.12
EMISSION LIMITS FOR HEAVY DUTY VEHICLE TYPE APPROVAL (EURO II)

Type of Engine	Class of Vehicle	CO (g/kWh)	HC (g/kWh)	NO_x (g/kWh)	PM (g/kWh)
Compression-ignition	Heavy Duty Vehicles	4.0	1.1	7.0	0.15

Source: Department of Environment and Natural Resources Administrative Order No. 2010-23

Table 6.3.13
EMISSION STANDARDS FOR VEHICLES WITH SPARK-IGNITION ENGINES (GASOLINE)*,
EXCEPT MOTORCYCLES

Vehicle Registration	CO	HC
Registered for the first time after December 31, 2007	0.5	250
Registered for the first time on or after January 1, 2003 but before January 1, 2008	3.5	600
Registered for the first time prior to December 31, 2002	4.5	800

*at idle **Subject to Sec.8, Validity of Certificate of Conforrmity (COC)

Source: Department of Environment and Natural Resources Administrative Order No. 2010-23

Table 6.3.14
EMISSION STANDARDS FOR VEHICLES WITH COMPRESSION-IGNITION ENGINES (DIESEL)*,**

Vehicle Registration	Light absorption coefficient
Registered for the first time after December 31, 2007	2
Registered for the first time on or after January 1, 2003 but before January 1, 2008	2.5
Registered for the first time prior to December 31, 2002	2.5 3.5 (turbocharged) 4.5 (1,000m increase in elevation)

*at idle **Subject to Sec.8, Validity of Certificate of Conforrmity (COC)

Source: Department of Environment and Natural Resources Administrative Order No. 2010-23

Table 6.3.15
EMISSION STANDARDS FOR REBUILT AND IMPORTED USED VEHICLES

Vehicle Registration	CO[a] (% by Volume)	Hc[a] (ppm as Hexane)	Light absorption coefficient m-1, k (turbocharged)[b]
Registered for the first time after December 31, 2007	0.5	2.50	2.0

a - spark-ignition (gasoline) motor vehicles
b - for compression-ignition (diesel) motor vehicles
* applicable only to vehicles listed in Sec 3.1.1-3.1.5 of Executive Order 156

Source: Department of Environment and Natural Resources Administrative Order No. 2010-23

Table 6.3.16
EMISSION LIMITS FOR MOTORCYCLE (L3)
LEVEL 1 WITH EFFECTIVITY TWO (2) YEARS AFTER THE APPROVAL DATE OF THIS ADMINISTRATIVE ORDER

Class (cc)	Emission Limits (g/km) for Type Approval and Conformity of Production		
	Carbon Monoxide (CO)	Hydrocarbons (HC)	Oxides of Nitrogen (NOx)
<150	5.5	1.2	0.3
>150	5.5	1	0.3

Source: Department of Environment and Natural Resources Administrative Order No. 2010-24

Table 6.3.17
EMISSION LIMITS FOR MOTORTRICYCLE/TRICYCLE(L4)

Class (cc)	Emission Limits (g/km) for Type Approval and Conformity of Production		
	Carbon Monoxide (CO)	Hydrocarbons (HC)	Oxides of Nitrogen (NOx)
All	7	1.5	0.4

Source: Department of Environment and Natural Resources Administrative Order No. 2010-24

Table 6.3.18
EMISSION LIMITS FOR MOTORCYCLE (L3)
LEVEL 2 WITH EFFECTIVITY THREE (3) YEARS AFTER THE EFFECTIVITY OF LEVEL 1

Class (cc)	Emission Limits (g/km)		
	Carbon Monoxide (CO)	Hydrocarbons (HC)	Oxides of Nitrogen (NOx)
<150 (UDC cold)[1]	2.0	0.8	0.15
>150 (UDC + EUD cold) [2]	2.0	0.3	0.15

[1] Test cycle: ECE* R40 (emission measured for all six modes - sampling starts at T=0)
[2] Test cycle: ECE* R40 + EIDC** (emissions measure from all modes - sampling starts at T=0, with the maximum speed of 120km/h)
*Economic Commission for Europe
**Extra Urban Driving Cycle

Source: Department of Environment and Natural Resources Administrative Order No. 2010-24

Table 6.3.19
EMISSION LIMITS FOR MOPED (L1)

Effectivity	Emission Limits (g/km) for Type Approval and Conformity of Production	
	Carbon Monoxide (CO)	Hydrocarbons + Oxides of Nitrogen (HC + NOx)
Level 1 - Two (2) years after the approval of this DAO	6 (1)	3 (1)
Level 2 - Three (3) years after the implementations of Level 1	1 (2)	1.2

(1) The limit values for the masses of CO and HC+NOx are multiplied by a factor of 2 in the case of three-wheel mopeds;
(2) The limit for the mass of CO must be 3.5 g/km in case of three-wheel mopeds
Source: Department of Environment and Natural Resources Administrative Order No. 2010-24

Table 6.3.20
EMISSION LIMITS FOR IN-USE MOTORCYCLE/TRICYCLE AND MOPED

Vehicle Registration Date	Emission Standards		
	Carbon Monoxide (% by vol.)	Hydrocarbon (ppm)	White smoke (% opacity)
Registered for the first time prior to January 1, 2003	6	6,500	30
Registered for the first time from January 1, 2003 up to December 31, 2011	4.5	6,500	30
Registered for the first time on or after January 1, 2012	3.5	4,500	30

Source: Department of Environment and Natural Resources Administrative Order No. 2010-24

Table 6.3.21
THE PROVISIONAL NATIONAL AMBIENT AIR QUALITY GUIDELINE VALUES (NAAQGV) FOR PM2.5

Pollutant	Short-term[1]		Long-term[2]		Implementation Period
	µg/Ncu.m.	Averaging time	µg/Ncu.m.	Averaging time	
$PM_{2.5}$	75[3]	24 hours	35[3]	1 Year	Upon effectivity date of the DAO until 31 December 2015
	50[3]	24 hours	25[3]	1 Year	01 January 2016

[1] Maximum limits represented by ninety eight percentile (98%) values not to be exceeded more than once a year
[2] Annual Geometric Mean
[3] These are provisional guideline values and shall be reviewed yearly to determine the course of action

Source: Department of Environment and Natural Resources Administrative Order 2013-13

Table 6.3.22
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
STANDARD VALUES FOR BACTERIOLOGICAL QUALITY

Source and Mode of Supply	Bacteria	Standard Value (No./100mL)
a. All drinking-water supplies under all circumstances (Level I, II, III, Bottled water and Emergency Water Supplies)	E. Coli or Thermotolerant (fecal) coliform bacteria	0
b. Treated water entering distribution system	E. Coli or Thermotolerant (fecal) coliform bacteria	0
	Total coliforms	0
c. Treated water in the distribution system	E. Coli or Thermotolerant (fecal) coliform bacteria	0
	Total coliforms	Must not be detecatable in any 100ml sample. In case of large supplies where sufficient samples are examined, it must not be present in 95% of samples taken throughout any twelve month period

Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.23
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
STANDARD VALUE FOR BIOLOGICAL ORGANISMS

Constituents	Permissibe Limit
Total Count/mL	10

Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.24
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
STANDARD VALUES FOR PHYSICAL AND CHEMICAL QUALITY: HEALTH SIGNIFICANCE

A. Inorganic Constituents

Constituents	Maximum Level (mg/L)
Antimony	0.005
Arsenic	0.01
Barium	0.7
Boron	0.3
Cadmium	0.003
Chromium	0.05
Cyanide	0.07
Fluoride	1
Lead	0.01
Mercury (total)	0.001
Nitrate as NO_3	50
Nitrate as NO_2	3
Selenium	0.01

B. Organic Constituents (Pesticides)

Constituents	Maximum Level (µg/L)
Aldrin & Dieldrin	0.03
Chlordane	0.2
DDT	2
Endrin	0.2
Heptachlor and Heptachlor epoxide	0.03
Lindane	2
Methoxychlor	20
Petroleum oils & grease	nil
Toxyphane	5
2,4 - D	30
2,4,5 - T	9

Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.25
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
STANDARD VALUES FOR PHYSICAL AND CHEMICAL QUALITY: AESTHETIC QUALITY

Constituent or Characteristic	Maximum Level (mg/L)
Taste	Unobjectionable
Odor	Unobjectionable
Color	5 TCU
Turbidity	5NTU
Aluminum	0.2
Chloride	250
Copper	1
Hardness	300 (as CaCo3)*
Hydrogen Sulfide	0.05
Iron	1
Manganese	0.5
pH	6.5-8.5
Sodium	200*
Sulfate	250
Total Dissolved Solids	500
Zinc	5*

*Secondary standards: compliance with the standard and analysis are not obligatory
TCU True Color Unit NTU Nephelometric Turbidity Unit
Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.26
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
STANDARD VALUES FOR DISINFECTANTS AND DISINFECTANT BY-PRODUCTS

Constituents	Maximum Level (mg/L)
a. Disinfectant Chlorine (residual)	0.2-0.5
b. Disinfectant By-products	
Bromate	0.025
Chlorite	0.2
2,4,6 tricholorophenol	0.2
Formaldehyde	0.9
Phenolic substances	0.001
Bromoform	0.1
Dibromochloromethane	0.1
Bromodichloromethane	0.06
Chloroform	0.2

Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.27
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
CHEMICALS OF NO HEALTH SIGNIFICANCE AT CONCENTRATIONS NORMALLY FOUND IN DRINKING WATER

Asbestos	In consonance with the findings of WHO, the Department of
Silver	Health does not prescribe any standard values for these
Tin	compounds since they are not hazardous to human health at

Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.28
STANDARD PARAMETERS AND VALUES FOR DRINKING-WATER QUALITY
STANDARD VALUES FOR RADIOLOGICAL CONSTITUENTS

Constituents	Activity Level (Bq/L)
gross alpha activity	0.1
gross beta activity	1

Source: Department of Environment and Natural Resources Administrative Order 26-A Series of 1994

Table 6.3.29
VEHICLE EMISSION LIMITS FOR EURO 4/IV, AND IN-USE VEHICLE EMISSION STANDARDS

Types of Vehicles	Emission Limits/Standards								
	Category/Class of		Reference Mass	CO (g/km)		HC + NOx		Particulate (PM)	
	Category	Class	RW	Petrol	Diesel	Petrol	Diesel	Petrol	Diesel
a.1) New passenger vehicles, M and light duty, N1 with Euro 2/Euro 3 engines	M (1)	-	all	2.0	0.9	0.3	0.6	-	0.05
	N1 (2)	I	RW≤1,250	2.0	0.9	0.3	0.6	-	0.05
		II	1,250<RW≤1,700	3.0	1.2	0.4	0.8	-	0.10
		III	1,700<RW	4.0	1.4	0.5	1.0	-	0.15
a.2) New passenger vehicles, M and light duty, N1 with Euro 4 engines	Euro 4								
b.1) New heavy duty vehicles with Euro II/Euro III engines	**CO (g/kWh)**		**HC (g/kWh)**	**NOx (g/kWh)**			**PM (g/kWh)**		
	2.45		0.73	6.9			0.14		
b.2) New heavy duty vehicles with Euro IV engines	Euro IV								
c.1) New motorcycles, tricycles and mopeds with Euro 2 engines	**Class (cc)**		**CO (g/km)**	**HC(g/km)**			**NOx(g/km)**		
	<150 cc. (1.3)		4.5 (5.0)	0.80 (1.1)			0.20 (.29)		
	≥150 cc. (1.3)		4.5 (5.0)	0.70 (0.9)			0.20 (.29)		
	All (L4)		6.5	1.0			0.39		
c.2) New motorcycles, tricycles and mopeds with Euro 2 engines	Euro 3								
	CO (% by vol.) At idling			HC(ppm) At idling			Light Absorption Coefficient, m^{-1} At free acceleration		
d) In-use, rebuilt and imported used passanger cars light duty and heavy duty vehicles	**0.25** *[registered for the first time on or after July 1, 2017]* **0.5** *[registered for the first time after December 31, 2007]* **3.5** *[registered for the first time on or before December 31, 2007]*			**100** *[registered for the first ime on or after July 1, 2017]* **250** *[registered for the first time after December 31, 2007]* ***600*** *[registered for the first time on or before December 31, 2007]*			**1.0** *[registered for the first ime on or after July 1, 2017]* **2.0** *[registered for the first time after December 31, 2015]* **2.5** *[registered for the first time on or before December 31, 2015]*		
f) In-use motorcycles, tricycles and mopeds	**2.5** *[registered for the first time on or after July 1, 2017]*			**1,000** *[registered for the first time on or after July 1, 2017]*			20% smoke opacity		
	3.5 *[registered for the first time on or after Januay 1, 2012]*			**4,500** *[registered for the first time on or after Januay 1, 2012]*			30% smoke opacity		
	4.5 *[registererd for the first time before January 1, 2012]*			**6,000** *[registererd for the first time before January 1, 2012]*			30% smoke opacity		

Source: Department of Environment and Natural Resources Administrative Order No. 2015-04, effective July 1, 2015

Table 6.3.30
WATER QUALITY GUIDELINES FOR PRIMARY PARAMETERS

Parameter	Unit	Water Body Classification								
		AA	A	B	C	D	SA	SB	SC	SD
BOD	mg/L	1	3	5	7	15	n/a	n/a	n/a	n/a
Chloride	mg/L	250	250	250	350	400	n/a	n/a	n/a	n/a
Color	TCU	5	50	50	75	150	5	50	75	150
Dissolved Oxygen[(a)](Minimum)	mg/L	5	5	5	5	2	6	6	5	2
Fecal Coliform	MPN/100mL	<1.1	<1.1	100	200	400	<1.1	100	200	400
Mitrate as NO_3-N	mg/L	7	7	7	7	15	10	10	10	15
pH (range)		6.5-8.5	6.5-8.5	6.5-8.5	6.5-9.0	6.0-9.0	7.0-8.5	7.0-8.5	6.5-8.5	6.0-9.0
Phosphate	mg/L	<0.003	0.5	0.5	0.5	5	0.1	0.5	0.5	5
Temperature[(b)]	°C	26-30	26-30	26-30	25-31	25-32	26-30	26-30	25-31	25-32
Total Suspended Solids	mg/L	25	50	65	80	110	25	50	80	110

Notes:
MPN/100mL - Most Probable Number per 100 milliliter
n/a - Not Applicable
TCU - True Color Unit
(a) Samples shall be taken from 9:00 AM to 4:00 PM
(b) The natural background temperature as determined by EMB shall prevail if the temperature is lower or higher than the WQG; provided that the maximum increase in only up to 10 percent and that it will nto cause any risk to human health and the environment

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.31
WATER QUALITY GUIDELINES FOR SECONDARY PARAMETERS-INORGANICS

Parameter	Unit	Water Body Classification								
		AA	A	B	C	D	SA	SB	SC	SD
Ammonia as NH_3-N	mg/L	0.05	0.05	0.05	0.05	0.75	0.04	0.05	0.05	0.75
Boron	mg/L	0.5	0.5	0.5	0.75	3	0.5	0.5	5	20
Fluoride	mg/L	1	1	1	1	2	1.5	1.5	1.5	3
Selenium	mg/L	0.01	0.01	0.01	0.02	0.04	0.01	0.01	0.1	0.2
Sulfate	mg/L	250	250	250	275	500	250	250	275	500

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.32
WATER QUALITY GUIDELINES FOR SECONDARY PARAMETERS-METALS(C)

Parameter	Unit	Water Body Classification								
		AA	A	B	C	D	SA	SB	SC	SD
Arsenic	mg/L	0.01	0.01	0.01	0.02	0.04	0.01	0.01	0.02	0.04
Barium	mg/L	0.7	0.7	0.7	3	4	0.1	0.7	1	4
Cadmium	mg/L	0.003	0.003	0.003	0.005	0.01	0.003	0.003	0.005	0.01
Chromium as Hexavalent	mg/L	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.05	0.1
Copper as Dissolved Copper	mg/L	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.02	0.04
Iron	mg/L	1	1	1	1.5	7.5	1.5	1.5	1.5	7.5
Lead	mg/L	0.01	0.01	0.01	0.05	0.1	0.01	0.01	0.05	0.1
Manganese	mg/L	0.2	0.2	0.2	0.2	2	0.4	0.4	0.4	4
Mercury	mg/L	0.001	0.001	0.001	0.002	0.004	0.001	0.001	0.002	0.004
Nickel	mg/L	0.02	0.02	0.04	0.2	1	0.02	0.04	0.06	0.3
Zinc	mg/L	2	2	2	2	4	0.04	0.05	0.8	1.5

Note:
(c) Unless otherwise specified, the above parameters are expressed as total metals.

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.33
WATER QUALITY GUIDELINES FOR SECONDARY PARAMETERS-ORGANICS

Parameter	Unit	Water Body Classification								
		AA	A	B	C	D	SA	SB	SC	SD
Benzo(a)pyrene	µg/L	0.7	0.7	0.7	1.5	3	0.7	0.7	1.5	3
BTEX										
Benzene	mg/L	0.01	0.01	0.01	0.05	0.5	0.01	0.01	0.05	0.5
Toleune	mg/L	0.7	0.7	1	4	5	1	1	4	5
Ethylbenzene	mg/L	0.3	0.3	0.3	1.5	2	0.2	0.2	1.5	2
Xlenes	mg/L	0.5	0.5	0.5	1.5	1.8	0.5	0.5	1.5	1.8
Cyanide as Free Cyanide	mg/L	0.07	0.07	0.07	0.1	0.2	0.02	0.02	0.1	0.2
Organophosphate as Malathion	mg/L	1	1	1	3	6	1	1	3	6
Oil and Grease	mg/L	<1	1	1	2	5	1	2	3	5
Polychlorinated Biphenyls[(d)]	µg/L	<0.1	<0.1	0.2	0.5	1	0.3	0.3	0.5	1
Phenol & Phenolic Substances[(e)]	mg/L	<0.001	<0.001	<0.001	0.05	0.5	<0.001	<0.001	0.05	0.5
Surfactants (MBAS)	mg/L	<0.025	0.2	0.3	1.5	3	0.3	0.3	1.5	3
Trichloroethylene	mg/L	0.07	0.07	0.07	0.9	2	0.07	0.07	0.9	2
Total Organochlorine Pesticides[(f)]	µg/L	n/a	n/a	50	50	50	50	50	50	50
Aldrin	µg/L	0.03	0.03	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chlordane	µg/L	0.2	0.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dichlorodiphenyltri-chloroethane	µg/L	1	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dieldrin	µg/L	0.03	0.03	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Endrin	µg/L	0.6	0.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Heptachlor	µg/L	0.03	0.03	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lindane	µg/L	2	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Methoxychlor	µg/L	50	50	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toxaphene	µg/L	4	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Notes:
CAS-Chemical Abstracts Service
IUPAC-International Union of Pure and Applied Chemistry
MBAS - Methylene Blue Active Substances
µg/L - microgram per liter
(d) Polychlorinated Biphenyls (PCBs) include the nine Aroclors and 19 individuals PCB congeners described below:

Compound	CAS#	IUPAC#
Aroclor 1016	12674-11-2	
Aroclor 1221	11104-28-2	
Aroclor 1232	11141-16-5	
Aroclor 1242	53469-21-9	
Aroclor 1248	12672-29-6	
Aroclor 1254	11097-69-1	
Aroclor 1260	11096-82-5	
Aroclor 1262	37324-23-5	
Aroclor 1268	11100-14-4	
2-Chlorobiphenyl	2051-60-7	1
2,3-Dichlorobiphenyl	16605-91-7	5
2,2',5-Trichlorobiphenyl	37680-65-2	18
2,4',5-Trichlorobiphenyl	16606-02-3	31
2,2',3,5'-Tetrachlorobiphenyl	41464-39-5	44

Compound	CAS#	IUPAC#
2,2',5,5'-Tetrachlorobiphenyl	35693-99-3	52
2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	66
2,2',3,4,5'-Pentachlorobiphenyl	38380-02-8	87
2,2',4,4,5'-Pentachlorobiphenyl	37680-73-2	101
2,3,3',4',6-Pentachlorobiphenyl	38380-03-9	110
2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	138
2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	141
2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	151
2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1	153
2,2',3,3',4,4',5,5'-Heptachlorobiphenyl	35065-30-6	170
2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3	180
2,2',3,4,4',5',6-Heptachlorobiphenyl	52663-69-1	183
2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	187
2,2',3,3',4,4',5,5',6-	40186-72-9	206

(e) Phenols include 2-chlorophenol, 2,4-dichlorophenol, and 2,4,6-trichlorophenol.
(f) When monitoring for Class AA and A waters, the individual organochlorine pesticides shall be monitored. For Class B, C, D, SA, SB, SC and SDD; Total Organochlorine Pesticides shall be monitored, which refers to the organochlorine pesticides listed in Table 0-6 plus Benzene Hexachloride (BHC) (α,β,δ,γ), 4,4' Dichlorodiphenyldichloroethane (DDD), 4,4' Dichlorodiphenyldichloroethylene (DDE), Endosulfan (I,II, and sulfate).

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.34
GROUNDWATER QUALITY GUIDELINES

Intended Beneficial Use	Groundwater Quality Guidelines
Source of Potable Water and Other Domestic Use	Adopt Class A WQG (except BOD and Dissolved Oxygen)
Bathing and Other Primary Contact Recreation	Adopt Class B WQG (except BOD and Dissolved Oxygen)
Irrigation, Fish Culture, Livestock Watering	Adopt Class C WQG (except BOD, Dissolved Oxygen and Total Suspended Solids)

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.35
SIGNIFICANT EFFLUENT QUALITY PARAMETERS PER SECTOR

PSIC	Industry Category	Significant Parameters
A. Agriculture, Forestry, Fishing		
014	Animal production	BOD, Total Suspended Solids, Total Coliform (for Class B and SB), Ammonia, Phosphate
032	Aquaculture (excluding fish pens)	BOD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate
B. Mining and Quarrying		
05	Mining of coal and lignite	Color, pH, Total Suspended Solids, Nitrate, Sulfate, Manganese, Iron Arsenic, Cadmium, Mercury, Lead
06	Extraction of crude petroleum and natural gas, and support activities	pH, Total Suspended Solids, Sulfate, Fluoride, Barium, Chromium, Nickel, Copper, Zinc, Mercury, Oil and Grease, Phenol & Phenolic Substances, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene
07100	Mining of iron ores	Color, pH, Total Suspended Solids, Nitrate, Manganese, Iron, Arsenic, Cadmium, Lead
	Mining of precious metal ores Gold ore mining	pH, Total Suspended Solids, Nitrate, Cyanide, Copper, Zinc, Arsenic, Mercury, Lead
	Silver ore mining	pH, Total Suspended Solids, Nitrate, Cyanide, Copper, Zinc, Arsenic, Mercury, Lead
0722	Platinum ore mining	pH, Total Suspended Solids, Nitrate, Sulfate, Cyanide, Manganese, Iron, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead
07291	Copper ore mining	pH, Total Suspended Solids, Nitrate, Sulfate, Cyanide, Iron, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead
07292	Chromite ore mining	pH, Total Suspended Solids, Nitrate, Chromium, Arsenic, Cadmium, Mercury, Lead
07293	Manganese ore mining	pH, Total Suspended Solids, Nitrate, Manganese, Arsenic, Cadmium, Lead
07294	Nickel ore mining	pH, Total Suspended Solids, Manganese, Arsenic, Cadmium, Lead, Nickel
08913	Pyrite mining	pH, Total Suspended Solids, Sulfate, Manganese, Iron, Copper, Arsenic, Lead
08914	Rock phosphate mining	pH, COD, Total Suspended Solids, Ammonia, Phosphate, Fluoride, Surfactants
C. Manufacturing		
10110	Slaughtering and meat packing	Temperature, pH, BOD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Oil and Grease
10120	Production precossing and preserving of meat and meat products	Temperature, pH, BOD, Total Suspended Solids, Oil and Grease

Table 6.3.35 (*Continued*)

1020	Processing and preserving of fish, crustaceans and mollusks (except carrageenan)	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Oil and Grease
10205	Processing of seaweeds; manufacture of agar-agar and carrageenan	Temperature, pH, COD, Total Suspended Solids
1030	Processing and preserving of fruits and vegetables	Temperature, pH, BOD, Total Suspended Solids, Oil and Grease
104	Manufacture of vegetable and animal oils and fats	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Ammonia, Oil and Grease
105	Manufacture of dairy products	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Oil and Grease
106	Manufacture of grain mill products, starches and starch products (except rice, corn, and cassava flour milling)	Temperature, pH, COD, Total Suspended Solids, Nitrate
10610	Rice/corn milling	BOD, Total Suspended Solids
10621	Cassava flour milling	BOD, Total Suspended Solids, Cyanide
107	Manufacture of other food products (except sugar)	Temperature, BOD, Total Suspended Solids, Oil and Grease
1072	Manufacture of sugar	
	Sugar milling	Temperature, pH, BOD, Total Suspended Solids, Nitrate
	Sugar refining	Temperature, pH, COD, Total Suspended Solids, Nitrate
10800	Manufacture of prepared animal feeds	Temperature, pH, BOD, Total Suspended Solids, Nitrate, Ammonia, Oil and Grease
11	Manufacture of beverages	Color, Temperature, pH, BOD, Total Suspended Solids, Nitrate, Ammonia
12	Manufacture of tobacco products	Color, Temperature, pH, COD, Total Suspended Solids
13	Manufacture of textiles	Color, Temperature, pH, BOD, COD, Chromium, Phenol & Phenolic Substances, Oil and Grease, Surfactants, Ammonia, Tricholoroethylene, Copper
14	Manufacture of wearing apparel	Temperature, pH, Surfactants, Color, COD
15110	Tanning and dressing of leather	Color, pH, COD, Total Suspended Solids, Total Coliform, Ammonia, Chloride, Chromium, Oil and Grease, Phenol & Phenolic Substances
1621	Manufacture of veneer sheets; manufacture of plywood, laminated board, particle board and other panels and board; wooden window and screens	COD, Total Suspended Soilds, Nitrate, Sulfate, Boron, Chromium, Copper, Arsenic, Benzo(a)pyrene

Table 6.3.35 (*Continued*)

17012	Pulp milling including manufacture of pulp, paper and paperboard	Color, Temperature, pH, COD, Total Suspended Solids, Nitrate, Phenol & Phenolic Substances, Sulfate, Phosphate, Ammonia
17013	Paper and paperboard milling	Color, Temperature, pH, COD, Total Suspended Solids, Nitrate, Phosphate, Ammonia, Barium, Boron, Chloride, Arsenic. Cadmium, Chromium, Copper, Lead, Mercury, Zinc
18110	Printing	Color, pH, COD, Total Suspended Solids, Cadmium, Chromium, Zinc, Oil and Grease
19100	Manufacture of coke oven products	Temperature, pH, COD, Total Suspended Solids, Ammonia, Sulfate, Cyanide, metals (except Arsenic and Barium), Oil and Grease, Phenol & Phenolic Substances, Polychlorinated Biphenyls, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene
19200	Manufacture of refined petroleum products	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Sulfates, Phosphate, Cyanide, Fluoride, Chloride, Chromium, Iron, Nickel, Copper, zinc, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene, Phenol & Phenolic Substances
19900	Manufacture of refined petroluem products (biodiesel)	Temperature, pH, COD, Total Suspended Solids, Oil and Grease
20111, 20114	Manufacture of ethanol	
	Manfuacture of ethanol for: -Food and beverage -Fuel application	Temperature, pH, BOD, Total Suspended Solids, Ammonia, Nitrate, Sulfate, Chloride
	Blending of ethanol for -Antiseptic -Solvent (denatured)	pH, COD
20112	Manufacture of industrial (compressed/liquefied) gases	Temperature, pH, COD, Nitrate, Sulfate, Chloride, Mercury, and metals depending on the catalysts used
20113, 20116, 20117, 20119	Manufacture of inorganic, organic and other basic chemicals	Color, Temperature, pH, COD, Total Suspended Solids and other parameters depending on the major chemical/s manufactured
20115	Manufacture of alcohol except ethyl alcohol	Temperature, pH, COD, and metals depending on the catalysts used
20120	Manufacture of fertilizers and nitrogen compounds	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Fluoride, and metals depending on the catalysts used
2013	Manufacturing of plastics and synthetic rubber in primary forms	Temperature, pH, COD, Ammonia, Sulfate, Cyanide, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene, Phenol & Phenolic Substances, and metals depending on the catalysts used

Table 6.3.35 (*Continued*)

20210	Manufacture of pesticides and other agro-chemical products	pH, COD, Total Suspended Solids, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Trichloroethylene, Malathion, Total Organochlorine Pesticides, and metals depending on catalyst used
2022, 20293	Manufacture of paints, ink, varnishes and similar coating materials	Color, Temperature, pH, COD, Total Suspended Solids, Barium, Selenium, Chromium, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Phenol & Phenolic Substances, Trichloroethylene
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Chloride, Fluoride, Boron, Selenium, Zinc, Oil and Grease, Surfactants
20294	Manufacture of glues and adhesives	
	Synthetic glues and adhesives	pH, COD, Cyanide, Zinc, Mercury, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Phenol & Phenolic Substances
	Animal/plant derived glues and adhesives	ph,COD, Boron, Chloride
20299	Manufacture of miscellaneous chemical products, not elsewhere classified	Color, pH, Temperature, COD, Total Suspended Solids and other parameters depending on the major chemical/s manufactured
2030	Manufacture of man-made fibers (except glass fibers)	Temperature, COD, Total Suspended Solids
21001	Manufacture of drugs and medicines including biological products such as bacterial and virus vaccines, sera and plasma	pH, COD, Total Suspended Solids
2310	Manufacture of glass and glass products	Color, Temperature, pH, Total Suspended Solids, Fluoride, Boron, Selenium, Arsenic, Lead, Oil and Grease
239	Manufacture of ceramics, clay products, construction aggregates, asphalt, asbestos and other non-metallic minerals (except cement)	Color, Temperature, pH, COD, Chromium, Copper, Zinc, Cadmium, Lead
23940	Manufacture of cement	Temperature, pH, Total Suspended Solids
241, 2431	Manufacture of iron and steel	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Fluoride, Chloride, Cyanide, Barium, Chromium, Manganese, Iron, Nickel, Zinc, Cadmium, Mercury, Lead, Oil and Grease, Benzene Toluene, Ethylbenzene, Xylenes

Table 6.3.35 (*Continued*)

24210	Manufacture of precious metals	Temperature, pH, COD, Total Suspended Solids, Ammonia, Nitrate, Sulfate, Cyanide, Chloride, Boron, Chromium, Iron, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease, Phenol & Phenolic Substances
24220	Non-ferrous smelting and refining, except precious metals	Temperature, pH, COD, Total Suspended Solids, Selenium, Manganese, Iron, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead
24230	Non-ferrous rolling, drawing and extrusion mills	Temperature, pH, COD, Total Suspended Solids, Ammonia, Phosphate, Boron, Fluoride, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead, Cyanide, Phenol & Phenolic Substances
24240	Manufacture of pipe fittings of non-ferrous metal	Temperature, pH, COD, Total Suspended Solids, Ammonia, Phosphate, Boron, Fluoride, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead, Cyanide, Phenol & Phenolic Substances, Oil and Grease
24290	Manufacture of basic precious and non-ferrous metal, not elsewhere classified	Temperature, pH, COD, Total Suspended Solids, Ammonia, Phosphate, Boron, Fluoride, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead, Cyanide, Phenol & Phenolic Substances
2431	Casting/foundry of iron and steel	Temperature, pH, COD, Total Suspended Solids, Copper, Zinc, Oil and Grease
2432	Casting of Non-ferrous metal casting such as aluminum, copper and zinc alloys	Temperature, pH, COD, Total Suspended Solids, Sulfate, Fluoride, Iron, Copper, Zinc, Arsenic, Cadmium, Chromium, Mercury, Lead
25920	Treatment, coating, and machining of metals	pH, COD, Total Suspended Solids, Ammonia, Nitrate, Phosphate, Sulfate, Cyanide, Fluoride, Boron, Chromium, Iron Nickel, Copper, Zinc, Cadmium, Lead, Oil and Grease, Trichloroethylene
261	Manufacture of electronic components	pH, COD, Total Suspended Solids, Fluoride, Chloride, Boron, Oil and Grease, Trichloroethylene, and Metals depending on the major electronic components manufactured
2720	Manufacture of batteries and accumulators	pH, COD, Total Suspended Solids, Fluoride, Selenium, Manganese, Iron, Nickel, Copper, Zinc, Cadmium, Mercury, Lead, Oil and Grease
D. Electricity, Gas, Steam and Air Conditioning Supply		
35100	Electric power generation (except transmission and distribution)	
	Coal	Temperature, pH, COD, Total Suspended Solids, Phosphate, Sulfate, Chloride, Boron, Chromium, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease
	Natural gas	Temperature, pH, COD, Total Suspended Solids, Phosphate, Chloride, Chromium, Zinc

Table 6.3.35 (*Continued*)

	Oil (Petroleum)	Temperature, pH, COD, Total Suspended Solids, Phosphate, Chloride, Chromium, Copper, Zinc, Arsenic, Cadmium, Lead, Oil and Grease
	Geothermal	Temperature, pH, COD, Total Suspended Solids, Chloride, Boron Chromium, Zinc, Arsenic, Cadmium, Mercury, Lead
	Hydro	Oil and Grease
	Biomass	Temperature, pH, COD, Total Suspended Solids, and other parameters depending on the nature of the feedstock
35200	Manufacture of gas; distribution of gaseous fuels through mains	Temperature, pH, COD, Total Suspended Solids, Nitrate, Cyanide, Chloride, Chromium, Nickel, Zinc, Arsenic, Cadmium, Mercury, Lead, Oil and Grease, Benzene, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene, Phenol & Phenolic Substances
35300	Air conditioning supply and production of ice (except steam production)	Temperature, pH, COD, Ammonia, Nitrate, Phosphate, Sulfate, Chloride, Chromum, Zinc
E. Water Supply; Sewerage, Waste Management and Remediation Activities		
36000	Water collection, treatment and supply (except those intended to prevent pollution)	pH, Total Suspended Solids, Chloride, Fluoride, Iron
37000	Sewerage (operation of sewer systems or sewage treatment facilities that collect, treat, and dispose of sewage)	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and rease, Surfactants
38210	Treatment and disposal of non-hazardous waste	Color, Temperature, pH, COD, Total Suspended Solids, Total Coliform, Ammonia, Nitrate, Phosphate, Sulfate, Chloride, Oil and Grease
38220	Treatment and disposal of hazardous waste	Color, Temperature, pH, COD, Total Suspended Solids, and other parameters depending on the nature of their activities
39000	Remediation activities and other waste management services	Color, Temperature, pH, COD, Total Suspended Solids, and other parameters depending on the nature of remediation activity
G. Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles		
452, 454	Maintenace and repair of vehicles, their parts and components (excluding vulcanizing/tire related preparations)	Color, pH, Total Suspended Solids, Ammonia, Nitrate, Nickel, Cadmium, Mercury, Lead, Oil and Grease, Benzo(a)pyrene, Surfactants
47300, 4661	Wholesale and retail sale of automotive fuels	Total Suspended Solids, Oil and Grease, Benzen, Toluene, Ethylbenzene, Xylenes, Benzo(a)pyrene
H. Transportation and Storage		
52104	Cold storage	Color, Temperature, pH, COD, Total Suspended Solids, Ammonia, Oil and Grease

Table 6.3.35 (*Concluded*)

I. Accommodation and Food Services		
55	Hotels, motels, resorts, dormitories and other accommodation services	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
56	Restaurants, food chains, bars and other food/beverage services	BOD, Total Suspended Solids, Oil and Grease, Surfactants
J. Real Estate Activities		
681	Real estate activities with own or leased property	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
M. Professional, Scientific and Technical Activities		
71200	Technical testing and analysis	All significant parameters depending on the nature of their activity
7210	Research and experimental development on natural sciences and engineering	All significant parameters depending on the nature of their activity
75	Veterinary activities	Color, pH, COD, Total Suspended Solids, Fecal Coliform, Oil and Grease, Surfactants
P. Education		
85	Public and private education (including support activities)	BOD, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, and all significant parameters depending on the nature of their activity
Q. Human Health and Social Works		
86, 87	Hospitals, clinics, nursing homes and other human health and residential care activities	Color, pH, BOD, Total Suspended Solids, Fecal Coliform, Ammonia, Nitrate, Phosphate, Oil and Grease, Surfactants
86900	Other human health activities - medical laboratories inside and outside of medical facilities	All significant parameters depending on the nature of their activity
S. Other Service Activities		
OC1	Public markets	Color, Temperature, pH, BOD, Total Suspended Solids, Ammonia, Nitrate, Chloride, Oil and Grease
OC2	Scrubbing of flue gases from firing systms (primarily in scrubbing of flue gases from firing systems). This shall not apply to wastewater from industrial waste-gas-scrubbing systems, from cooling circuits of power stations and industrial processes	Color, Temperature, pH, COD, Sulfate, Fluoride, Chromium, Nickel, Copper, Cadmium, Mercury
OC3	Effluent from oil water separators of auxiliary facilities	pH, Total Suspended Solids, Oil and Grease
OC4	Effluent from cooling ponds, cooling towers, and similar facilities (non-contact cooling system)	Temperature, pH

Notes:
COD - Chemical Oxygen Demand
PSIC - Philippine Standard Industrial Classification (2009)
1. For sectors not included in Table 8, EMB Central Office shall determine the significant effluent parameters for the said sector.
2. Domestic sewage of all establishments shall be monitored for the same parameteres listed PSIC No. 37000.

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.36
EFFLUENT STANDARDS[g]

Parameter	Unit	Water Body Classification								
		AA	A	B	C	D	SA	SB	SC	SD
Ammonia as NH_3-N	mg/L	NDA	0.5	0.5	0.5	7.5	NDA	0.5	0.5	0.75
BOD	mg/L	NDA	20	30	50	120	NDA	30	100	150
Boron	mg/L	NDA	2	2	3	12	NDA	2	20	80
Chloride	mg/L	NDA	350	350	450	500	NDA	n/a	n/a	n/a
COD	mg/L	NDA	60	60	100	200	NDA	60	200	300
Color	TCU	NDA	100	100	150	300	NDA	100	150	300
Cyanide as Free Cyanide	mg/L	NDA	0.14	0.14	0.2	0.4	NDA	0.04	0.2	0.4
Fluoride	mg/L	NDA	2	2	2	4	NDA	3	3	6
Nitrate as NO_3-N	mg/L	NDA	14	14	14	30	NDA	20	20	30
pH (Range)		NDA	6.0-9.0	6.0-9.0	6.0-9.5	5.5-9.5	NDA	6.5-9.0	6.0-9.0	5.5-9.5
Phosphate	mg/L	NDA	1	1	1	10	NDA	1	1	10
Selenium	mg/L	NDA	0.02	0.02	0.04	0.08	NDA	0.02	0.2	0.4
Sulfate	mg/L	NDA	500	500	550	1000	NDA	500	550	1000
Surfactants (MBAS)	mg/L	NDA	2	3	15	30	NDA	3	15	30
Temperature[h]	°C change	NDA	3	3	3	3	NDA	3	3	3
Total Suspended Solids	mg/L	NDA	70	85	100	150	NDA	70	100	150
Arsenic	mg/L	NDA	0.02	0.02	0.04	0.08	NDA	0.02	0.04	0.08
Barium	mg/L	NDA	1.5	1.5	6	8	NDA	1.5	2	8
Cadmium	mg/L	NDA	0.006	0.006	0.01	0.02	NDA	0.006	0.01	0.02
Chromium as Hexavalent Chromium (Cr^{6+})	mg/L	NDA	0.02	0.02	0.02	0.04	NDA	0.1	0.1	0.2
Copper as dissolved Copper	mg/L	NDA	0.04	0.04	0.04	0.08	NDA	0.04	0.04	0.08
Iron	mg/L	NDA	5	5	7.5	35	NDA	7.5	7.5	35
Lead	mg/L	NDA	0.02	0.02	0.1	0.2	NDA	0.02	0.1	0.2
Manganese	mg/L	NDA	2	2	2	20	NDA	4	4	40
Mercury	mg/L	NDA	0.002	0.002	0.004	0.008	NDA	0.002	0.004	0.008
Nickel	mg/L	NDA	0.1	0.2	1	5	NDA	0.2	0.3	1.5
Zinc	mg/L	NDA	4	4	4	8	NDA	0.1	1.5	3
Benzo(a)pyrene	µg/L	NDA	1.5	1.5	3	6	NDA	1.5	3	6
BTEX										
Benzene	mg/L	NDA	0.1	0.1	0.5	5	NDA	0.1	0.5	5
Toluene	mg/L	NDA	3.5	5	20	25	NDA	5	20	25
Ethylbenzene	mg/L	NDA	1.5	1.5	7.5	10	NDA	1	7.5	10
Xylenes	mg/L	NDA	5	5	15	18	NDA	5	15	18
Malathion (Organophosphate)	µg/L	NDA	1	1	3	6	NDA	1	3	6
Oil and Grease	mg/L	NDA	5	5	5	15	NDA	5	10	15
Polychlorinated Biphenyls[i]	µg/L	NDA	<0.1	<0.1	<0.1	<0.1	NDA	<0.1	<0.1	<0.1
Phenol & Phenolic Substances[j]	mg/L	NDA	0.01	0.01	0.5	5	NDA	0.01	0.5	5
Trichloroethylene	mg/L	NDA	0.7	0.7	9	20	NDA	0.7	9	20
Total Organochlorine Pesticides[k]	µg/L	NDA	<0.419	50	50	50	NDA	50	50	50
Aldrin	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Chlordane	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
DDT	µg/L	NDA	<0.04	<0.04	<0.04	<0.04	NDA	<0.04	<0.04	<0.04
Dieldrin	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Endrin	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Heptachlor	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Total Organochlorine Pesticides *(continued)*										
Lindane	µg/L	NDA	<0.02	<0.02	<0.02	<0.02	NDA	<0.02	<0.02	<0.02
Metoxychlor	µg/L	NDA	<0.03	<0.03	<0.03	<0.03	NDA	<0.03	<0.03	<0.03
Toxaphene	µg/L	NDA	<0.03	<0.03	<0.03	<0.03	NDA	<0.03	<0.03	<0.03

Notes:
NDA - No Discharge Allowed
(g) GES values are maximum allowable limit.
(h) GES values for temperature refer to the temperature difference of the background value and discharge point. Specific sampling locations shall be established based on the EMB Ambient Water and Effluent Quality Monitoring Manual. Sampling locations for temperature monitoring, established and approved by EMB, prior to this order shall remain valid.
(i) PCBs include the nine Aroclors and 19 individual PCB congeners described in Section 6.1 of DAO 2016-08.
(j) Phenols include 2-chlorophenol, 2, 4-dichlorophenol, and 2,4,6-trichlorophenol
(k) When monitoring for Class A waters, the individual organochlorine pesticides shall be monitored. For Class B, C, D, SB, SC, SD, Total Organochlorine Pesticides shall be monitored, which refers to the organochlorine pesticies listed in Table 0-2 plus BHC (α,β,δ,γ), 4,4'DDD, 4,4'DDE, Endosulfan (I, II, and sulfate).

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.3.37
EFFLUENT STANDARDS FOR BOD APPLICABLE TO ESTABLISHMENTS WITH INFLUENT BOD OF ≥ 3000mg/L

Influent BOD (mg/L)	Units	Class C	Class D	Class SC	Class SD
3,000 to <6,500	mg/L	100	150	100	150
6,500 to <10,000	mg/L	200	300	200	300
10,000 to 30,000	mg/L	600	1,000	600	1,000
>30,000	mg/L	900	1,500	900	1,500

Source: Department of Environment and Natural Resources Administrative Order No. 2016-08

Table 6.4
LIST AND DESCRIPTION OF MULTILATERAL ENVIRONMENTAL AGREEMENTS AND OTHER GLOBAL ENVIRONMENTAL CONVENTIONS

Multilateral Environmental Agreements/Global Environmental Conventions	Basic Objective	Data of Signature, Ratification/Approval/Accession/Adoption, and Entry into Force
Convention on Biological Diversity (CBD)	The Convention on Biological Diversity entered into force on 29 December 1993. It has three main objectives: (1) the conservation of biological diversity; (2) the sustainable use of the components of biological diversity; and (3) the fair and equitable sharing of the benefits arising out of the utilization of genetic resources.	Date of signature: 12 June 1992 Date of ratification: 08 October 1993 Date of entry into force: 06 January 1994
Cartagena Protocol on Biosafety	The Cartagena Protocol on Biosafety to the Convention on Biological Diversity is an international treaty governing the movements of living modified organisms resulting from modern biotechnology from one country to another. It was adopted on 29 January 2000 as a supplementary agreement to the Convention on Biological Diversity and entered into force on 11 September 2003.	Date of adoption: 29 January 2000 Date of signature: 25 May 2000 Date of ratification: 05 October 2006 Date of entry into force: 03 January 2007
Nagoya Protocol on Access and Benefit-sharing	The Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity is an international agreement which aims at sharing the benefits arising from the utilization of genetic resources in a fair and equitable way. It entered into force on 12 October 2014, 90 days after the date of deposit of the fiftieth instrument of ratification.	Date of adoption: 29 October 2010 Date of ratification: 29 September 2015 Date of entry into force: 28 December 2015
Convention on the Conservation of Migratory Species of Wild Animals (CMS)	The Convention on the Conservation of Migratory Species of Wild Animals provides a global platform for the conservation and sustainable use of migratory animals and their habitats. CMS brings together the States through which migratory animals pass, the Range States, and lays the legal foundation for internationally coordinated conservation measures throughout a migratory range.	Date of ratification: 01 February 1994
Convention on the International Trade in Endangered Species of Wild Flora and Fauna (CITES)	The Convention on International Trade in Endangered Species of Wild Fauna and Flora is an international agreement between governments that aims is to ensure that international trade in specimens of wild animals and plants does not threaten their survival.	Date of ratification: 18 August 1981 Date of entry into force: 16 November 1981
Convention on Wetlands (Ramsar Convention)	The Ramsar Convention on Wetlands of International Importance is an intergovernmental treaty that provides the framework for national action and international cooperation for the conservation and wise use of wetlands and their resources.	Date of adoption: 02 February 1971 Date of entry into force: 21 December 1975 Date of ratification: 08 November 1994
Coral Triangle Initiative (CTI)	The CTI-CFF is a multilateral partnership formed by the governments of the six Coral Triangle countries (Indonesia, Malaysia, Philippines, Papua New Guinea, Solomon Islands and Timor-Leste) in 2009 to address the growing threats to the Coral Triangle. It has five goals: (1) designation of effectively managed seascapes; (2) application of an ecosystem approach to fisheries management; (3) establishment of a fully functional marine protected area system; (4) strengthening climate change adaptation and resilience; and (5) improving the status of threatened marine species.	Date of establishment: 15 May 2009

Table 6.4 (*Continued*)

FAO Committee on Forestry (COFO)	The Food and Agriculture Organization of the United Nations created the Committee on Forestry (COFO) as one of its governing bodies to fulfill its goal of providing food security for everyone. It gathers 138 countries in biennial session at the FAO Headquarters in Rome, Italy. It brings together senior government officials and heads of different forest services to review international forestry problems, identify emerging policy and technical issues, provide possible solutions, and advise FAO on appropriate action.	First session: May 1972
International Tropical Timber Organization (ITTO)	The International Tropical Timber Agreement (ITTA) was negotiated to provide an effective framework for cooperation and consultation between countries producing and consuming tropical timber, and promote and support research and development to improve forest management and wood utilization.	Year of establishment: 1983
United Nations Environment Assembly (UNEA)	Currently, the UNEA serves as the world's highest leading environmental authority for the global environmental agenda During the first and second UNEA, Ministers and Heads of Delegation commit to ensure the full integration of the environmental dimension, especially throughout the sustainable development agenda; promote sustainable consumption and production patterns; prevent, combat and eradicate the illegal trade in wildlife and wildlife products; address climate change; halt biodiversity loss and combat desertification; and ensure the full implementation of Multilateral Environmental Agreements and other international and regional environmental commitments. In the third UNEA, a Ministerial Declaration was adopted, 11 resolutions and three decisions, calling for accelerated action and strengthened partnerships on the following: combating the spread of marine plastic litter and microplastics; eliminating exposure to lead paint and promoting environmentally sound management of used lead-acid batteries; environment and health; improving air quality globally; pollution control by mainstreaming biodiversity into key sectors; addressing water pollution to protect and restore water-related ecosystems; managing soil pollution to achieve sustainable development; and pollution prevention and control in areas affected by terrorist operations and armed conflicts. In the fourth UNEA, the discussion was focused on environmental challenges related to poverty and natural resource management (sustainable food systems, food security adn halting biodiversity loss); life cycle approaches to resource efficiency, energy and chemicals and waste management; and innovative sustainable business development in a time of rapid technological change.	First Assembly: 23-27 June 2014 Second Assembly: 23-27 May 2016 Third Assembly: 04-06 December 2017 Fourth Assembly: 11-15 March 2019
United Nations Forum on Forests (UNFF)	The main objective of the UNFF is to promote the management, conservation and sustainable development of all types of forests and strengthen long-term political commitment.	Year of establishment: 2000
Basel Convention	The overarching objective of the Basel Convention is to promote human health and the environment against the adverse effects of hazardous wastes. The Convention aims to ensure Environmentally Sound Management (ESM) of hazardous materials which includes their storage, transport, treatment, reuse, recycling, recovery and disposal.	Date of ratification: 19 January 1994 Date of adoption: 22 March 1989 Date of entry into force: 1992
Minamata Convention	The Minamata Convention on Mercury is a global treaty to protect human health and the environment from the adverse effects of mercury and mercury compounds.	Date of signature: 10 October 2013 Date of entry into force: 16 August 2017

Table 6.4 (*Continued*)

Rotterdam Convention	The objective of this Convention is to promote shared responsibility and cooperative efforts among Parties in the international trade of certain hazardous chemicals in order to protect human health and the environment from potential harm and to contribute to their environmentally sound use, by facilitating information exchange about their characteristics, by providing for a national decision-making process on their import and export and by disseminating these decisions to the Parties.	Date of ratification: 31 July 2006 Date of entry into force: 23 February 2004
Strategic Approach to International Chemicals Management (SAICM)	The overall objective of SAICM is the achievement of the sound management of chemicals throughout their life cycle so that by year 2020, chemicals are produced and used in ways that minimize significant adverse impacts on the environment and human health.	Date of adoption: 06 February 2006
United Nations Convention on the Law of the Sea (UNCLOS)	The United Nations Convention on the Law of the Sea is the most comprehensive legal framework governing all activities anad uses of the world's seas and oceans. The treaty addresses a number of topics including navigational rights, economic rights, pollution of the seas, conservation of marine life, scientific exploration, and piracy.	Date of signature: 10 December 1982 Date of ratification: 10 December 1984 Date of entry into force: 16 November 1994
Stockholm Convention	The objective of the Stockholm Convention is to protect human health and the environment from persistent organic pollutants. The convention focuses on eliminating or reducing releasaes of persistent organic pollutants.	Date of adoption: 23 May 2001 Date of ratification: 27 May 2004 Dateof entry into force: 17 May 2004
United Nations Framework Convention on Climate Change (UNFCC)	The ultimate objective of the Convention is to stabilize greenhouse gas concentrations "at a level that would prevent dangerous anthropogenic (human induced) interference with the climate system." It states that "such a level should be achieved within a time-frame sufficient to allow ecosystems to adapt naturally to climate change, to ensure that food production is not threatened, and to enable economic development to proceed in a sustainable manner.	Date of adoption: 09 May 1992 Date of entry into force: 31 October 1994 Date of ratification: 02 August 1994
Kyoto Protocol	The objective of the Kyoto Protocol is to reduce global greenhouse gas emissions by at least 5% in comparison to the base year of 1990, during the commitment period from 2008 to 2012.	Date adopted: 11 December 1997 Date of signature: April 1998 Date of ratification: 20 November 2003 Date of entry into force: 16 February 2005 First Commitment Period: 2008-2012 Second commitment period: 2013-2020
Vienna Convention for the Protection of the Ozone Layer	The Convention aims for Parties to promote cooperation via systematic observations, research and information exchange on the effects of human activities on the ozone layer and to adopt legislative or administrative measures to deal with activities likely to have adverse effects on the ozone layer.	Year of adoption: 1985 Date of ratification: 17 July 1991
Montreal Protocol	The Montreal Protocol on Substances that Deplete the Ozone Layer was designed to reduce the production and consumption of ozone depleting substances in order to reduce their abundance in the atmosphere, and thereby protect the stratospheric ozone Layer.	Date of adoption: 16 September 1987 Date of ratification: 17 July 1991

Sources:

Department of Environment and Natural Resources
Biodiversity Management Bureau, DENR

Annex

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Core Set (Tier 1) of Environment Statistics

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Component 1: Environmental Conditions and Quality				
Sub-component 1.1: Physical Conditions				
Topic 1.1.1: Atmosphere, climate and weather	a. Temperature **1. Monthly averages** **2. Minimum monthly average** **3. Maximum monthly average** b. Precipitation (also in 2.6.1.a) **1. Annual averages** **2. Long-term annual averages**	 Degrees Degrees Degrees Height Height	▪ National ▪ Sub-national	• World Meteorological Organization (WMO) ▪ Intergovernmental Panel on Climate Change (IPCC) ▪ National Oceanic and Atmospheric Administration (NOAA)/National Aeronautics and Space Administration (NASA)
Topic 1.1.2: Hydrographical characteristics	d. Watersheds **1. Description of main watersheds**	 Area, Descriptive, Location	▪ By watershed /river basin ▪ National ▪ Sub-national	• United Nations Statistics Division (UNSD): International Recommendations for Water Statistics (IRWS) ▪ UN-Water
Topic 1.1.3: Geological and geographical information	a. Geological, geographical and geomorphological conditions of terrestrial areas and islands **2. Area of country or region** **b. Coastal waters (includes area of coral reefs, mangroves, etc.) (also in 2.3.1.c)** c. Length of marine coastline d. Coastal area	 Area, Location Area, Descriptive, Location Length Area	▪ National	• UNSD: Demographic Yearbook ▪ UN Food and Agriculture Organization (FAO) ▪ Center for International Earth Science Information Network (CIESIN)

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 1.1.4: Soil characteristics	a. Soil characterization **1. Area by soil types** b. Soil Degradation 1. Area affected by soil erosion 2. Area affected by desertification	 Area Area Area	▪ By location ▪ By soil type ▪ National ▪ Sub-national	• FAO and the International Institute for Applied Systems Analysis (IIASA) Harmonized World Soil Database ▪ International Soil Reference and Information Centre (ISRIC) World Data Centre for Soils ▪ UN Convention to Combat Desertification (UNCCD) ▪ FAO Global Assessment of Human-induced Soil Degradation (GLASOD)
Sub-component 1.2: Land Cover, Ecosystems and Biodiversity				
Topic 1.2.1: Land cover	**a. Area under land cover categories**	Area, Location	• By type of land cover (e.g., artificial surfaces inc. & associated areas; herbaceous crops; woody crops; multiple or layered crops; grassland; tree covered areas; mangroves; shrub covered areas; shrubs and/or herbaceous vegetation, aquatic or regularly flooded; sparsely natural vegetated areas; terrestrial barren land; permanent snow & glaciers; inland water bodies; & coastal water bodies & intertidal areas) • National & Subnational	• FAO Land Cover Classification System ▪ System of Environmental-Economic Accounting (SEEA) Central Framework (2012) land cover categories ▪ European Environment Agency (EEA)

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 1.2.2: Ecosystems & biodiversity	a. General ecosystem characteristics, extent and pattern **1. Area of ecosystems** c. Biodiversity **1. Known flora and fauna species** d. Protected Areas and Species **1. Protected terrestrial and marine area (also in 1.2.3.a)**	Area, Location Number Number, Area	▪ By ecosystem (e.g., forest, cultivated, dryland, coastal, marine, urban, polar, inland water, island mountain)(b) ▪ By status category (e.g. extinct, extinct in the wild, threatened, near threatened, least concern) ▪ By class (e.g., mammals, fishes, birds, reptiles) ▪ National ▪ Sub-national • By management category ▪ By status category	• Millennium Ecosystem Assessment ▪ UN Convention on Biological Diversity (UNCBD) ▪ UNECE Standard Statistical Classification of Flora, Fauna and Biotopes (1996) ▪ The International Union for the Conservation of Nature (IUCN) Red List of Threatened Species ▪ Convention on Wetlands of International Importance, especially as Waterfowl Habitat (The Ramsar Convention) ▪ FAO FISHSTAT (Species population and number of invasive alien species) ▪ IUCN Protected Area Mamagement Categories ▪ UNSD: Millennium Development Goal (MDG) Indicator 7.6

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 1.2.3: Forest	a. Forest area **1. Total**	Area	• By forest type ▪ National ▪ Sub-national ▪ By dominant tree species ▪ By ownership category	• FAO Global Forest Resources Assessment (FRA) ▪ UN Forum on Forests (UNFF) Monitoring, Assessment and Reporting (MAR) ▪ UNSD: MDG Indicator 7.1 Metadata ▪ Montreal Process (Working Group on Criteria and Indicators for the Convention and Suitable Management of Temperate and Borreal Forests) ▪ State of Europe's Forests (Forest Europe/UNECE-FAO Forest and Timber Section) • IUCN Protected Area Management Categories
Topic 1.3.1: Air Quality	a. Local air quality **1. Concentration level of particulate matter (PM10)** **2. Concentration level of particulate matter (PM2.5)** **3. Concentration level of tropospheric ozone (O3)** **4. Concentration level of carbon monoxide (CO)** **5. Concentration level of sulphur dioxided (SO2)** **6. Concentration levels of nitrogen oxides (NOx)**	Concentration Concentration Concentration Concentration Concentration Concentration	▪ By point measurement ▪ Sub-national ▪ Daily maximum ▪ Monthly maximum and average ▪ Yearly maximum and average	▪ WHO Air Quality Guidelines-Global Update 2005, Particulate matter, ozone, nitrogen dioxide and sulfur dioxide ▪ WHO Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulfur dioxide, Global Update 2005, Summary of risk assessment ▪ UNCE Standard Statistical Classification of Ambient Air Quality (1990)

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Sub-component 1.3: Environmental Quality				
Topic 1.3.2: Freshwater quality	a. Nutrients and chlorophyll **1. Concentration level of nitrogen** **2. Concentration level of phospohorous** b.Organic matter **1. Biochemical oxygen demand (BOD)** c. Pathogens **1. Concetration levels of fecal coliforms**	 Concentration Concentration Concentration Concentration	• By water body • By watershed/ river basin • By surface or groundwater • By point measurement • By type of water resource	• UNECE Standard Statistical Classification of Freshwater Quality for the Maintenance of Aquatic Life (1992) ▪ UN Environment Programme (UNEP) Global Environment Monitoring System - Water (GEMS-Water) ▪ WHO
Topic 1.3.3: Marine water quality	a. Nutrients and chlorophyll 1. Concentration level of nitrogen 2. Concentration level of phospohorous b. Organic matter 1. Biochemical oxygen demand (BOD) g. Coral bleaching 1. Area affected by coral bleaching	 Concentration Concentration Concentration Area	• By coastal zone, delta, estuary or other local marine environment • Sub-national • National • Supranational • By point measurement • water resources	• UNECE Standard Statistical Classification of Marine Water Quality (1992) • NOAA/NASA • UNEP Regional Seas Programme

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Component 2: Environmental Resources and their Use				
Sub-component 2.1: Mineral Resources				
Topic 2.1.1: Stocks and changes of mineral resources	a. Mineral resources **1. Stocks of commercially recoverable resources** **5. Extraction**	Mass, Volume Mass, Volume	• By mineral (e.g. metal ores including precious metals and rare earths, coal, oil, gas, stone, sand and clay, chemical and fertilizer minerals, salt, gemstones, abrasive minerals, graphite, asphalt, natural soilid bitumen, quartz, mica) ▪ National ▪ Sub-national	• United Nations Framework Classification for Energy and Mineral Resources (UNFC 2009) • SEEA Central Framework (2012) asset and physical flow accounts • International Standard Classification of All Economic Activities (ISIC) Rev. 4, Section B, Divisions 05-09
Sub-component 2.2: Energy Resources				
Topic 2.2.1: Stocks and changes of energy resources	a. Energy resources **1. Stocks of commercially recoverable resources** **5. Extraction**	Mass, Volume Mass, Volume	▪ By resource (e.g., natural gas, crude oil and natural gas liquids, oil shale and extra heavy oil (includes oil extracted from oil sands), coal and lignite, peat, non-metallic minerals except for coal or peat, uranium and thorium ores) ▪ National ▪ Sub-national	▪ UNSD: International Recommendations for Energy Statistics (IRES) ▪ International Energy Agency (IEA) Energy Statistics Manual • SEEA Central Framework (2012) asset and physical flow accounts • UNFC 2009 • ISIC Rev. 4, Section B, Divisions 05-09 • HS 2012, Section V, Chapter 27

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 2.2.2: Production, trade and consumption of energy	a. Production of energy **1. Total production** **2. Production from non-renewable sources** **3. Production from renewable sources**	Energy unit, Mass, Volume Energy unit, Mass, Volume Energy unit, Mass, Volume	• By non-renewble resources (e.g., petroleum, natural gas, coal, nuclear fuels, non-sustainble firewood, waste, other non-renewables) • By renewable resource (e.g., solar, hydroelectric, geothermal, tidal action, wave action, marine, wind, biomass) • National • Sub-national	• UNSD: IRES • IEA Energy Statistics Manual • Joint Wood Energy Enquiry (UNECE-FAO Forestry and Timber Section)
	4. Primary energy production **7. Secondary energy production**	Energy unit, Mass, Volume Energy unit, Mass, Volume	• By primary energy resource (e.g., petroleum, natural gas, coal, hydroenergy, geothermal, nuclear fuels, cane products, other primary) • By secondary energy resource (e.g., electricity, liquified petroleum gas, gasoline/alcohol, kerosene, diesel oil, fuel oil, coke, charcoal, gases, other secondary) • National • Sub-national	
	b. Total Energy Supply **c. Final consumption of energy**	Energy unit, Mass, Volume Energy unit, Mass, Volume	• By energy product • By households • By ISIC economic activity • By tourists • National • Sub-national	

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Sub-component 2.3: Land				
Topic 2.3.1: Land use	**a. Area under land use categories**	Area	• By type of land use (e.g., agriculture; forestry; land used for aquaculture; use of built-up and related areas; land used for maintenance and restoration of environmental functions; other uses of land not elsewhere classified; land not in use; inland waters used for aquaculture or holding facilities; inland waters used for maintenace and restoration of environmental functions; other uses of inland waters not elsewhere classified, inland water not in use; coastal waters (including area of coral reefs and mangroves); Exclusive Economic Zone (EEZ)) • National • Sub-national	▪ FAO ▪ UNECE Standard Classification of Land Use (1989) ▪ SEEA Central Framework (2012) Annex 1

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 2.3.2: Use of forest land	a. Use of forest land 1. Area deforested	 Area	• By forest type • National • Sub-national • By dominant tree species	• FAO FRA • UNFF MAR • UNSD: MDG Indicator 7.1 Metadata • Montreal Process (Working Group on Criteria and Indicators for the Conservation and Sustainable Management of Temperate and Borreal Forests) • State of Europe's Forests (Forest Europe/UNECE-FAO Forestry and Timber Section)
Sub-component 2.5: Biological Resources				
Topic 2.5.1: Timber resources	a. Timber resources 1. Stocks of timber resources	Volume	▪ By type (e.g., natural or planted) ▪ National ▪ Sub-national	▪ SEEA Central Framework (2012) ▪ FAO FRA ▪ State of Europe's Forests (Forest Europe/UNECE-FAO Forestry and Timber Section) ▪ UNECE/FAO Joint Working Party on Forest Statistics, Economics and Management ▪ ISIC Rev. 4, Section A, Division 02 ▪ FAOSTAT database

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 2.5.2: Aquatic resources	**a. Fish capture production** **b. Aquaculture production**	Mass Mass	▪ By relevant freshwater and marine species ▪ National ▪ Sub-national	▪ FAO Internationa Statdard Statistical Classification of Aquatic Animals and Plants (ISSCAAP) ▪ ISIC Rev. 4, Section A, Division 03 ▪ The United Nations Convention on the Law of the Sea (UNCLOS) ▪ UNSD: MDG Indicator 7.4 Metadata ▪ HS 2012, Section I, Chapter 03 ▪ SEEA Central Framework (2012)
Topic 2.5.3: Crops	a. Main annual and perennial crops **1. Area planted** **2. Area harvested** **3. Amount produced** b. Amount used of: 1. Natural fertilizers (e.g., manure, compost, lime) **2. Chemical fertilizers** 3. Pesticides	 Area Area Area Area, Mass, Volume Area, Mass, Volume Area, Mass, Volume	 ▪ By crop ▪ By size ▪ National ▪ Sub-national ▪ By type of fertilizer ▪ By type of pesticide ▪ By crop ▪ National ▪ Sub-national	▪ FAO Indicative Crop Classification (for 2010 round of agricultural censuses) ▪ FAO/WHO Specifications for Pesticides (2010) ▪ FAO Specifications for Commonly Used Ferilizers (2009) ▪ ISIC Rev. 4, Section A, Division I ▪ FAOSTAT database ▪ HS 2012, Section II

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 2.5.4: Livestock	a. Livestock **1. Number of live animals**	Number	▪ By type of animal ▪ National ▪ Sub-national	▪ FAOSTAT database ▪ ISIC Rev. 4, Section A, Division 1 ▪ HS 2012 Section 1, Chapter 01
Sub-component 2.6: Water Resources				
Topic 2.6.1: Water resources	a. Inflow of water to inland water resources **1. Precipitation (also in 1.1.1.b)** 2. Inflow from neighbouring territories b. Outflow of water from inland water resources 1. Evapotranspiration	 Volume Volume Volume	▪ National ▪ Sub-national ▪ By territory of origin and destination	▪ UNSD: IRWS ▪ UNECE Standard Statistical Classification of Water Use (1989) ▪ UNSD: MDG Indicator 7.5 Metadata ▪ FAO AQUASTAT ▪ SEEA Central Framework (2012) Asset accounts ▪ SEEA Water ▪ UNSD: Environment Statistics Section - Water Questionnaire
Topic 2.6.2: Abstraction, use and returns of water	**a. Total water abstraction** **b. Water abstraction from surface water** **c. Water abstraction from groundwater** 1. From renewable groundwater resources 2. From non-renewable groundwater resources	Volume Volume Volume Volume	▪ By type of source ▪ National ▪ Sub-national	▪ UNSD: IRWS ▪ UNECE Standard Statistical Classification of Water Use (1989) ▪ FAO AQUASTAT ▪ SEEA Central Framework (2012) ▪ SEEA Water ▪ UNSD: Environment Statistics Section - Water Questionnaire

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Component 3: Residuals				
Sub-component 3.1: Emissions to Air				
Topic 3.1.1: Emissions of greenhouse gases	a. Total emissions of direct greenhouse gases (GHGs), by gas: **1. Carbon dioxide (CO_2)** **2. Methane (CH_4)** **3. Nitrous oxide (N_2O)** b. Total emissions of indirect greenhouse gases (GHGs), by gas: 1. Sulphur dioxide (SO_2) 2. Nitrogen oxides (NO_x)	 Mass Mass Mass Mass Mass	▪ By ISIC economic activity ▪ By tourists ▪ National ▪ Sub-national ▪ By IPCC source categories	▪ IPCC Emission Factor Database ▪ UN Framework Convention on Climate Change (UNFCCC) Reporting Guidelines) ▪ UNECE Standard Statistical Classification of Ambient Air Quality (1990) ▪ UNSD: MDG Indicator 7.2 Metadata ▪ WHO
Sub-component 3.2: Generation and Management of Wastewater				
Topic 3.2.1: Generation and pollutant content of wastewater	**a. Volume of wastewater generated**	Volume	▪ By ISIC economic activity ▪ By tourist ▪ National ▪ Sub-national	▪ UNSD: IRWS ▪ ISIC Rev. 4, Section E, Division 35-37 ▪ SEEA Water ▪ UNSD: Environment Statistics Section - Water Questionnaire
Topic 3.2.2: Collection and treatment of wastewater	**a. Volume of wastewater collected** **b. Volume of wastewater treated**	Volume Volume	▪ National ▪ Sub-national ▪ By treatment type (e.g., primary, secondary, tertiary) ▪ National ▪ Sub-national	▪ UNSD: IRWS ▪ ISIC Rev. 4, Section E, Division 35 and 36 ▪ UNSD: Environment Statistics Section - Water Questionnaire

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Topic 3.2.3: Discharge of wastewater to the environment	a. Wastewater discharge **1. Total volume of wastewater discharged to the environment after treatment**	Volume	▪ By treatment type (e.g., primary, secondary, tertiary) ▪ By recipient (e.g., surface water, groundwater, wetland, sea, soil) ▪ By ISIC economic activity ▪ National ▪ Sub-national ▪ By source (point / non-point source)	▪ UNSD: IRWS ▪ ISIC Rev. 4, Section E, Division 35 and 36 ▪ UNSD: Environment Statistics Section - Water Questionnaire
	2. Total volume of wastewater discharged to the environment without treatment	Volume		
Sub-component 3.3: Generation and Management of Waste				
Topic 3.3.1: Generation of waste	**a. Amount of waste generated by economic activity**	Mass	▪ By ISIC economic activity ▪ By households ▪ By tourists ▪ National ▪ Sub-national	▪ European Commission: European List of Waste, pursuant to European Waste Framework Directive ▪ Eurostat: Environmental Data Centre on Waste ▪ Eurostat: European Waste Classification for Statistics (EWC-Stat), version 4 (Waste categories) ▪ Basel Convention: Waste categories and hazardous characteristics

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
	c. Amount of hazardous waste generated	Mass	▪ By ISIC economic activity ▪ National ▪ Sub-national	▪ Eurostat: Manual on Waste Statistics ▪ Eurostat: Guidance on classification of waste according to EWC-Stat categories ▪ SEEA Central Framework (2012) ▪ UNSD: Environment Statistics Section - Waste Questionnaire
Topic 3.3.2: Management of waste	a. Municipal waste 1. Total municipal; waste collected 2. Amount of municipal waste treated by type of treatment and disposal **3. Number of municipal waste treatment and disposal facilities** b. Hazardous waste **1. Total hazardous waste collected**	Mass Mass Number Mass	▪ By type of treatment or disposal (e.g., recycling, composting, incineration, landfilling) ▪ By type of waste, when possible ▪ National ▪ Sub-national	•Eurostat: Data Centre on Waste ▪ Eurostat metadata: Organization for Economic Cooperation and Development (OECD)/Eurostat definition of municipal waste ▪ UNSD: Environment Statistics Section – Waste Questionnaire ▪ Basel Convention: Waste categories and hazardous characteristics ▪ Eurostat: European Waste Classification for Statistics, version 4 (Waste categories) European Commission: European Waste Framework Directive (Waste treatment operations)

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
	2. Amount of hazardous waste treated by type of treatment **3. Number of hazardous waste treatment and disposal facilities**	Mass Number		▪ Eurostat: Manual on Waste Statistics ▪ Eurostat: Guidance on classification of waste according to EWC-Stat categories ▪ Rotterdam Convention
Component 4: Extreme Events and Disasters				
Sub-component 4.1: Natural Extreme Events and Disasters				
Topic 4.1.1: Occurrence of natural extreme events and disasters	a. Occurrence of natural extreme event and disasters **1. Type of natural extreme event and disaster (geophysical, meteorological, hydrological, climatological, biological.** **2. Location** **3. Magnitude**	Descriptive Location Intensity	▪ By event ▪ National ▪ Sub-national	• Centre for Research on the Epidemiology of Disasters Emergency Events Database (CRED EM-DAT) ▪ Economic Commission for Latin America and the Caribbean (UNECLAC) Handbook for Estimating the Socio-economic and Environmental Effects of Disasters ▪ The United Nations Office for Disaster Risk Reduction (UNISDR)
Topic 4.1.2: Impact of natural extreme events and disasters	a. People affected by natural extreme events and disasters **1. Number of people killed** **b. Economic loss due to natural extreme events and disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption, etc.)**	Number Currency	▪ By event ▪ By ISIC economic activity ▪ National ▪ Sub-national ▪ By direct and indirect damage	

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Component 5: Human Settlements and Environmental Health				
Sub-component 5.1: Human Settlements				
Topic 5.1.2: Access to selected basic services	**a. Population using an improved drinking water source**	Number	•Urban ▪ Rural ▪ National ▪ Sub-national	•UNSD: MDG Indicator 7.8 and 7.9 Metadata ▪ UN-Water ▪ UNSD: Environment Statistics Section – Water and Waste Questionnaire ▪ WHO/UNICEF Joint Monitoring Programme for Water Supply and Sanitation
	b. Population using an improved sanitation facility	Number		
	c. Population served by municipal waste collection	Number		
	e. Population connected to wastewater treatment	Number	▪ By treatment type (e.g., primary, secondary, tertiary) ▪ National ▪ Sub-national	▪ UNSD: IRWS ▪ ISIC Rev. 4, Section E, Division 35-37 ▪ UNSD: Environment Statistics Section-Water Questionnaire
	f. Population supplied by water supply industry	Number	▪ National ▪ Sub-national	
Topic 5.1.5: Environmental concerns specific to urban settlements	**c. Number of private and public vehicles**	Number	By type of engine or type of fuel	• UN Habitat ▪ WHO ▪ UNEP Urban Environment Unit

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Sub-component 5.2: Environmental Health				
Topic 5.2.2: Water-related diseases and conditions	**a. Water-related diseases and conditions** 1. Incidence **2. Prevalence** **3. Mortality**	 Number Number Number	▪ By disease or condition ▪ National ▪ Sub-national ▪ Urban and rural ▪ By gender ▪ By age group ▪ By time period	▪ WHO
Topic 5.2.3: Vector borne diseases	**a. Vector borne diseases** 1. Incidence **2. Prevalence** **3. Mortality**	 Number Number Number		
Component 6: Environment Protection, Management and Engagement				
Sub-component 6.1: Environment Protection and Resource Management Expenditure				
Topic 6.1.1: Government environmental protection and resource management expenditure	a. Government environmental protection and resource management expenditure **1. Annual government environment protection expenditure**	Currency	▪ By environmental activity ▪ By type of expenditure: current , investment ▪ By ministry ▪ National ▪ Sub-national ▪ By funding	▪ Eurostat-SERIEE Environmental Protection Expenditure Accounts Compilation Guide (2002) ▪ Eurostat-Environmental expenditure Statistics General Government an Specialised Producers Data Collection Handbook (2007) ▪ Classification of Environmental Activities (CEA) ▪ SEEA Central Framework (2012) Annex 1

Topic	Statistics and Related Information***	Category of Measurement	Potential Aggregations and Scales	Methodological Guidance
Sub-component 6.2: Environmental Governance and Regulation				
Topic 6.2.2: Environmental regulation and instruments	**1. List of regulated pollutants and description (e.g., by year of adoption and maximum allowable levels)**	Descriptive, Number	▪ By media (e.g., water, air, land, soil, oceans) ▪ By ISIC economic activity ▪ National ▪ Sub-national	
Topic 6.2.3: Participation in MEAs and environmental conventions	a. Participation in MEAs and other global environmental conventions **1. List and description (e.g., year of participation (d) of country) of MEAs and other global environmental conventions**	Descriptive, Number		▪ MEA Secretariats

****** As of 2020, statistics/indicators in bold text are available in this publication***

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Sustainable Development Goal (SDG) indicators correspondence

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
Goal 1: End poverty in all its forms everywhere		
1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.1: Natural Extreme Events and Disasters, Topic 4.1.2: Impact of natural extreme events and disasters
1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.2: Technological Disasters, Topic 4.2.2: Impact of technological disasters
1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product (GDP) (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.1: Natural Extreme Events and Disasters, Topic 4.1.2: Impact of natural extreme events and disasters
1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product (GDP) (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.2: Technological Disasters, Topic 4.2.2: Impact of technological disasters
1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.3 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.3: Extreme Event Preparedness and Disaster Management, Topic 6.3.1 Preparedness for natural extreme events and disasters
1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.3 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.3: Extreme Event Preparedness and Disaster Management, Topic 6.3.2 Preparedness for technological disasters
Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture		
2.5 By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed	2.5.2 Proportion of local breeds classified as being at risk, not at risk or at unknown level of risk of extinction (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity
Goal 3: Ensure healthy lives and promote well-being for all at all ages		
3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	3.9.1 Mortality rate attributed to household and ambient air pollution (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.3: Environmental Quality, Topic 1.3.1: Air quality
3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	3.9.1 Mortality rate attributed to household and ambient air pollution (Tier I)	Component 5: Human Settlements and Environmental Health, Sub-component 5.2: Environmental Health, Topic 5.2.1: Airborne diseases and conditions

with the Basic Set of Environment Statistics of the FDES 2013

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
4.1.2.a. People affected by natural extreme events and disasters **4.1.2.a.1. Number of people killed** 4.1.2.a.2. Number of people injured 4.1.2.a.3. Number of people homeless 4.1.2.a.4. Number of people affected	Table 4.3 Number of Deaths due to Natural Extreme Events and Disasters by Type for Minor Incidents, 2010-2019 Table 4.7 Major Natural Extreme Events and Disasters, 2010-2019 Table 4.9 Number of Injured due to Natural Extreme Events by Type for Minor Incidents, 2010-2019
4.2.2.a. People affected by technological disasters 4.2.2.a 1. Number of people killed *4.2.2.a.2. Number of people injured* *4.2.2.a.3. Number of people homeless* *4.2.2.a.4. Number of people affected*	Table 4.4 Number of Deaths due to Human Induced Disasters by Type for Minor Incidents, 2010-2019 Table 4.8 Major Human Induced Disasters, 2010-2019 Table 4.10 Number of Injured due to Human Induced Disasters by Type for Minor Incidents, 2010-2019
4.1.2.b. Economic losses due to natural extreme events and disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption) 4.1.2.c. Physical losses/damages due to natural extreme events and disasters (e.g., area and amount of crops, livestock, aquaculture, biomass)	Table 4.5 Damages due to Natural Extreme Events and Disasters by Economic Activity for Minor Incidents, 2010-2019
4.2.2.b. Economic losses due to technological disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption) 4.2.2.c. Physical losses/damages due to technological disasters (e.g., area and amount of crops, livestock, aquaculture, biomass)	Table 4.6 Damages due to Human Induced Disasters by Economic Activity for Minor Incidents, 2010-2019
6.3.1.a. National natural extreme event and disaster preparedness and management systems 6.3.1.a.1. Existence of national disaster plans/programmes	
6.3.2.a. National technological disaster preparedness and management systems *6.3.2.a.1. Existence and description* (e.g., number of staff) *of public disaster management plans/programmes (and private when available)*	
1.2.2.c. Biodiversity, **1.2.2.c.1. Known flora and fauna species** 1.2.2.c.2. Endemic flora and fauna species	Table 1.11.1 - 1.11.3 Known Flora and Fauna Species
1.3.1.a. Local air quality **1.3.1.a.2. Concentration level of particulate matter (PM2.5)**	Table 1.20 Concentration Levels of PM2.5 by Region
5.2.1.a. Airborne diseases and conditions 5.2.1.a.3. Mortality	Tables 5.6.1-5.6.2 Airborne Diseases Cases and Deaths, 2010-2019

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services) (Tier I)	Component 5: Human Settlements and Environmental Health, Sub-component 5.1: Human Settlements, Topic 5.1.2: Access to selected basic services
3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services) (Tier I)	Component 5: Human Settlements and Environmental Health, Sub-component 5.2: Environmental Health, Topic 5.2.2: Water-related diseases and conditions
Goal 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all		
4.7 By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development	4.7.1 Extent to which (i) global citizenship education and (ii) education for sustainable development, including gender equality and human rights, are mainstreamed at all levels in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment (Tier III)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.4: Environmental Information and Awareness, Topic 6.4.2: Environmental Education
Goal 6: Ensure availability and sustainable management of water and sanitation for all		
6.1 By 2030, achieve universal and equitable access to safe and affordable drinking water for all	6.1.1 Proportion of population using safely managed drinking water services (Tier II)	Component 5: Human Settlements and Environmental Health, Sub-component 5.1: Human Settlements, Topic 5.1.2: Access to selected basic services
6.2 By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations	6.2.1 Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water (Tier II)	Component 5: Human Settlements and Environmental Health, Sub-component 5.1: Human Settlements, Topic 5.1.2: Access to selected basic services
6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally	6.3.1 Proportion of wastewater safely treated (Tier II)	Component 3: Residuals, Sub-component 3.2: Generation and Management of Wastewater, Topic 3.2.1: Generation and pollutant content of wastewater
6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally	6.3.1 Proportion of wastewater safely treated (Tier II)	Component 3: Residuals, Sub-component 3.2: Generation and Management of Wastewater, Topic 3.2.2: Collection and treatment of wastewater
6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally	6.3.2 Proportion of bodies of water with good ambient water quality (Tier II)	Component 1: Environmental Conditions and Quality, Sub-component 1.3: Environmental Quality, Topic 1.3.2: Freshwater quality

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
5.1.2.a. Population using an improved drinking water source **5.1.2.b. Population using an improved sanitation facility** *5.1.2.d. Population connected to wastewater collecting system* **5.1.2.e. Population connected to wastewater treatment**	Table 5.1 Number of households with access to improved water supply by region and by level, 2010-2019 Table 5.2 Number of households with sanitation facility, 2010-2019
5.2.2.a. Water-related diseases and conditions **5.2.2.a.3. Mortality**	Tables 5.4.1-5.4.6 Water-Borne Diseases Cases and Deaths, 2010-2019
6.4.2.a. Environmental education *6.4.2.a.2. Number and description of environmental education programmes in schools*	
5.1.2.a. Population using an improved drinking water source	Table 5.1 Number of households with access to improved water supply by region and by level, 2010-2019
5.1.2.b. Population using an improved sanitation facility	Table 5.2 Number of households with sanitation facility, 2010-2019
3.2.1.a. Volume of wastewater generated	Table 3.2 Generation and Management of Wastewater
3.2.2.b. Volume of wastewater treated, by treatment type [primary, secondary, tertiary] 3.2.2.c. Total urban wastewater treatment capacity 3.2.2.c.1. Number of plants 3.2.2.c.2. Capacity of plants 3.2.2.d. Total industrial wastewater treatment capacity 3.2.2.d.1. Number of plants 3.2.2.d.2. Capacity of plants	Table 3.2 Generation and Management of Wastewater
1.3.2.a. Nutrients and chlorophyll **1.3.2.a.1. Concentration level of nitrogen** **1.3.2.a.2. Concentration level of phosphorous** 1.3.2.a.3. Concentration level of chlorophyll A 1.3.2.b. Organic matter **1.3.2.b.1. Biochemical oxygen demand (BOD)** 1.3.2.b.2. Chemical oxygen demand (COD) 1.3.2.c. Pathogens **1.3.2.c.1. Concentration levels of faecal coliforms** 1.3.2.d. Metals (e.g., mercury, lead, nickel, arsenic, cadmium) 1.3.2.d.1. Concentration levels in the sediment and freshwater 1.3.2.e. Organic contaminants (e.g., PCBs, DDT, pesticides, furans, dioxins, phenols, radioactive waste) 1.3.2.e.1. Concentration level in the sediment and freshwater 1.3.2.f. Physical and chemical characteristics 1.3.2.f.1. pH/acidity/alkalinity 1.3.2.f.2. Temperature *1.3.2.f.3. Total suspended solids (TSS)* 1.3.2.f.4. Salinity 1.3.2.f.5. Dissolved oxygen (DO)	Table 1.27 Concentration Level of Nitrate in Laguna de Bay and its Major Tributaries by Station Table 1.28 Concentration Level of Phosphate in Laguna de Bay and its Major Tributaries by Station Table 1.29.1 Concentration Level of BOD in Selected Freshwater Bodies by Region Table 1.29.2 Concentration Level of BOD in Laguna de Bay and its Major Tributaries by Station Table 1.30 Concentration Level of COD in Laguna de Bay and its Tributaries by Station Table 1.31 Geometric Mean of Total Coliform in Laguna de Bay and its Major Tributaries by Station Table 1.32.1 Concentration Level of Lead in Laguna de Bay and its Tributaries by Station Table 1.32.2 Concentration Level of Cadmium in Laguna de Bay and its Tributaries by Station Table 1.33 pH Levels in Laguna de Bay and its Tributaries by Station Table 1.34 Temperature of Laguna de Bay and its Tributaries by Station Table 1.35.1 Concentration Level of DO in Selected Freshwater Bodies by Region Table 1.35.2 Concentration Level of DO in Laguna de Bay and its Major Tributaries by Station

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	6.4.1 Change in water-use efficiency over time (Tier II)	Component 2: Environmental Resources and their Use, Sub-component 2.6: Water Resources, Topic 2.6.2: Abstraction, use and returns of water
6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.6: Water Resources, Topic 2.6.1: Water resources
6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.6: Water Resources, Topic 2.6.2: Abstraction, use and returns of water
6.6 By 2020, protect and restore water- related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes	6.6.1 Change in the extent of water- related ecosystems over time (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.1: Physical Conditions, Topic 1.1.2: Hydrographical characteristics
6.6 By 2020, protect and restore water- related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes	6.6.1 Change in the extent of water- related ecosystems over time (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.3: Environmental Quality, Topic 1.3.2: Freshwater quality
6.6 By 2020, protect and restore water- related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes	6.6.1 Change in the extent of water- related ecosystems over time (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.3 Land, Topic 2.3.1: Land use
6.6 By 2020, protect and restore water- related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes	6.6.1 Change in the extent of water- related ecosystems over time (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.6: Water Resources, Topic 2.6.1: Water resources
Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all		
7.1 By 2030, ensure universal access to affordable, reliable and modern energy services	7.1.1 Proportion of population with access to electricity (Tier I)	Component 5: Human Settlements and Environmental Health, Sub-component 5.1: Human Settlements, Topic 5.1.2: Access to selected basic services
7.2 By 2030, increase substantially the share of renewable energy in the global energy mix	7.2.1 Renewable energy share in the total final energy consumption (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.2: Energy Resources, Topic 2.2.2: Production, trade and consumption of energy

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
2.6.2.a. Total water abstraction **2.6.2.b. Water abstraction from surface water** 2.6.2.c. Water abstraction from groundwater **2.6.2.c.1. From renewable groundwater resources** **2.6.2.c.2. From non-renewable groundwater resources** 2.6.2.d. Water abstracted for own use 2.6.2.e. Water abstracted for distribution 2.6.2.f. Desalinated water 2.6.2.g. Reused water 2.6.2.h. Water use *2.6.2.l. Exports of water* *2.6.2.m. Imports of water*	Table 2.18 Physical Flow Accounts of Water, 2010 to 2019
2.6.1.a. Inflow of water to inland water resources **2.6.1.a.1. Precipitation** **2.6.1.b.2. Inflow from neighbouring countries** 2.6.1.b.3. Inflow subject to treaties 2.6.1.b. Outflow of water from inland water resources **2.6.1.b.1. Evapotranspiration**	
2.6.2.a. Total water abstraction 2.6.2.f. Desalinated water 2.6.2.g. Reused water	Table 2.18 Physical Flow Accounts of Water, 2010 to 2019
1.1.2.a. Lakes 1.1.2.a.1. Surface area *1.1.2.a.2. Maximum depth* 1.1.2.b. Rivers and streams 1.1.2.b.1. Length 1.1.2.c. Artificial reservoirs *1.1.2.c.1. Surface area* *1.1.2.c.2. Maximum depth* 1.1.2.e. Seas 1.1.2.e.1 Coastal waters *1.1.2.f. Aquifers*	Table 1.5 List of Proclaimed Watershed by Region Table 1.6 Area of Lakes in the Philippines by Region
1.3.2.a. Nutrients and chlorophyll **1.3.2.a.1. Concentration level of nitrogen** **1.3.2.a.2. Concentration level of phosphorous** 1.3.2.a.3. Concentration level of chlorophyll A 1.3.2.b. Organic matter **1.3.2.b.1. Biochemical oxygen demand (BOD)** 1.3.2.b.2. Chemical oxygen demand (COD) 1.3.2.c. Pathogens **1.3.2.c.1. Concentration levels of faecal coliforms** 1.3.2.d. Metals (e.g., mercury, lead, nickel, arsenic, cadmium) 1.3.2.d.1. Concentration levels in sediment and freshwater 1.3.2.e. Organic contaminants (e.g., PCBs, DDT, pesticides, furans, dioxins, phenols, radioactive waste) 1.3.2.e.1. Concentration levels in sediment and freshwater 1.3.2.f. Physical and chemical characteristics 1.3.2.f.1. pH/acidity/alkalinity 1.3.2.f.2. Temperature *1.3.2.f.3. Total suspended solids (TSS)* 1.3.2.f.4. Salinity 1.3.2.f.5. Dissolved oxygen (DO)	Table 1.27 Concentration Level of Nitrate in Laguna de Bay and its Major Tributaries by Station Table 1.28 Concentration Level of Phosphate in Laguna de Bay and its Major Tributaries by Station Table 1.29.1 Concentration Level of BOD in Selected Freshwater Bodies by Region Table 1.29.2 Concentration Level of BOD in Laguna de Bay and its Major Tributaries by Station Table 1.30 Concentration Level of COD in Laguna de Bay and its Tributaries by Station Table 1.31 Geometric Mean of Total Coliform in Laguna de Bay and its Major Tributaries by Station
2.3.1.a. Area under land use categories	
2.6.1.c. Inland water stocks *2.6.1.c.3. Surface water stocks in rivers and streams* 2.6.1.c.6. Groundwater stocks	
5.1.2.h. Population with access to electricity	
2.2.2.c. Final consumption of energy	Table 2.5 Energy Balance Tables, 2010 to 2019

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
7.3 By 2030, double the global rate of improvement in energy efficiency	7.3.1 Energy intensity measured in terms of primary energy and GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.2: Energy Resources, Topic 2.2.2: Production, trade and consumption of energy
Goal 8: Promote sustained, inclusive and sustainable economic growth, full and productive employmentand decent work for all		
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.1: Mineral Resources, Topic 2.1.2: Production and trade of minerals
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.2: Energy Resources, Topic 2.2.2: Production, trade and consumption of energy
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.1: Timber resources
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.2: Aquatic resources
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic: 2.5.3 Crops
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic: 2.5.4 Livestock
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	8.4.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic: 2.5.5: Other non-cultivated biological resources

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
2.2.2.b. Total energy supply	Table 2.5 Energy Balance Tables, 2010 to 2019
2.1.2.a. Production of minerals 2.1.2.b. Imports of minerals 2.1.2.c. Exports of minerals	Table 2.2 Mineral Production By Mineral, 2010 to 2019
2.2.2.a. Production of energy **2.2.2.a.1. Total production** 2.2.2.a.5. Imports of energy 2.2.2.a.6. Exports of energy	Table 2.5 Energy Balance Tables, 2010 to 2019
2.5.1.c. Forest production 2.5.1.d. Fuelwood production 2.5.1.e. Imports of forest products 2.5.1.f. Exports of forest products	
2.5.2.a. Fish capture production 2.5.2.c. Imports of fish and fishery products 2.5.2.d. Exports of fish and fishery products 2.5.2.f. Aquatic resources 2.5.2.f.1. Stocks of aquatic resources *2.5.2.f.2. Additions to aquatic resources* *2.5.2.f.3. Reductions in aquatic resources*	Table 2.9.1 Commercial Fisheries Volume of Production by Species and by Geolocation, 2010 - 2019
2.5.3.a. Main annual and perennial crops **2.5.3.a.3. Amount produced** 2.5.3.d. Imports of crops 2.5.3.e. Exports of crops	Table 2.12.1 Palay and Corn Volume of Production, 2010 to 2019
2.5.4.a.1. Number of live animals 2.5.4.a.2. Number of animals slaughtered 2.5.4.c. Imports of livestock 2.5.4.d. Exports of livestock	Table 2.14.1 Livestock Inventory by Animal Type, Farm Type and Geolocation, 2010 - 2019
2.5.5.d. Reported wild animals killed or trapped for food or sale *2.5.5.e. Trade in wildlife and captive- bred species* *2.5.5.f. Non-wood forest products and other plants*	Table 2.7.3 Production of Non - Timber Forest Products By Product, 2010 - 2019

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation		
9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource- use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities	9.4.1 CO_2 emission per unit of value added (Tier I)	Component 3: Residuals, Sub-component 3.1: Emissions to Air, Topic 3.1.1: Emissions of greenhouse gases
Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable		
11.1 By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums	11.1.1 Proportion of urban population living in slums, informal settlements or inadequate housing (Tier I)	Component 5: Human Settlements and Environmental Health, Sub-component 5.1: Human Settlements, Topic 5.1.1: Urban and rural population
11.1 By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums	11.1.1 Proportion of urban population living in slums, informal settlements or inadequate housing (Tier I)	Component 5: Human Settlements and Environmental Health, Sub-component 5.1: Human Settlements, Topic 5.1.3: Housing conditions
11.3 By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries	11.3.1 Ratio of land consumption rate to population growth rate (Tier II)	Component 2: Environmental Resources and their Use, Sub-component 2.3: Land, Topic 2.3.1: Land Use
11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations	11.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.1: Natural Extreme Events and Disasters, Topic 4.1.2: Impact of natural extreme events and disasters
11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations	11.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.2: Technological Disasters, Topic 4.2.2: Impact of technological disasters
11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations	11.5.2 Direct economic loss in relation to global GDP, damage to critical infrastructure and number of disruptions to basic services, attributed to disasters (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.1: Natural Extreme Events and Disasters, Topic 4.1.2: Impact of natural extreme events and disasters
11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations	11.5.2 Direct economic loss in relation to global GDP, damage to critical infrastructure and number of disruptions to basic services, attributed to disasters (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.2: Technological Disasters, Topic 4.2.2: Impact of technological disasters
11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management	11.6.1 Proportion of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated, by cities (Tier II)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.1: Generation of waste

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
3.1.1.a. Total emissions of direct greenhouse gases (GHGs), by gas: **3.1.1.a.1. Carbon dioxide (CO2)**	Table 3.1 Philippine Greenhouse Gas Emissions
5.1.1.a. Population living in urban areas	Table 5.7. Total Population, Urban Population, and Level of Urbanization by Region, 2010 and 2015
5.1.3.a. Urban population living in slums *5.1.3.e. Population living in informal settlements*	Table 5.7. Total Population, Urban Population, and Level of Urbanization by Region, 2010 and 2015 Table 5.8 Total Population, Rural Population, and Percentage of Rural Population by Region, 2010 and 2015
2.3.1.a. Area under land use categories	
4.1.2.a. People affected by natural extreme events and disasters **4.1.2.a.1. Number of people killed** 4.1.2.a.2. Number of people injured 4.1.2.a.3. Number of people homeless 4.1.2.a.4. Number of people affected	Table 5.8 Total Population, Rural Population, and Percentage of Rural Population by Region, 2010 and 2015
4.2.2.a. People affected by technological disasters 4.2.2.a 1. Number of people killed *4.2.2.a.2. Number of people injured* *4.2.2.a.3. Number of people homeless* *4.2.2.a.4. Number of people affected*	Table 4.4 Number of Deaths due to Human Induced Disasters by Type for Minor Incidents, 2010-2019 Table 4.8 Major Human Induced Disasters, 2010-2019 Table 4.10 Number of Injured due to Human Induced Disasters by Type for Minor Incidents, 2010-2019
4.1.2.b. Economic losses due to natural extreme events and disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption) 4.1.2.c. Physical losses/damages due to natural extreme events and disasters (e.g., area and amount of crops, livestock, aquaculture, biomass)	Table 4.5 Damages due to Natural Extreme Events and Disasters by Economic Activity for Minor Incidents, 2010-2019
4.2.2.b. Economic losses due to technological disasters (e.g., damage to buildings, transportation networks, loss of revenue for businesses, utility disruption) 4.2.2.c. Physical losses/damages due to technological disasters (e.g., area and amount of crops, livestock, aquaculture, biomass)	Table 4.6 Damages due to Human Induced Disasters by Economic Activity for Minor Incidents, 2010-2019
3.3.1.a. Amount of waste generated by source 3.3.1.b. Amount of waste generated by waste category **3.3.1.c. Amount of hazardous waste generated**	Table 3.3 Projection of Waste Generation by Region Table 3.4 Amount of Generated Hazardous Waste by Type and by Region

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management	11.6.1 Proportion of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated, by cities (Tier II)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.2: Management of waste
11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management	11.6.2 Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted) (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.3: Environmental Quality, Topic 1.3.1: Air quality
11.b By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015–2030, holistic disaster risk management at all levels	11.b.1 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.3: Extreme Event Preparedness and Disaster Management, Topic 6.3.1: Preparedness for natural extreme events and disasters,
11.b By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015–2030, holistic disaster risk management at all levels	11.b.1 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.3: Extreme Event Preparedness and Disaster Management, Topic 6.3.2: Preparedness for technological disasters

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
3.3.2.a. Municipal waste **3.3.2.a.1. Total municipal waste collected** **3.3.2.a.2. Amount of municipal waste treated by type of treatment and disposal** **3.3.2.a.3. Number of municipal waste treatment and disposal facilities** 3.3.2.a.4. Capacity of municipal waste treatment and disposal facilities 3.3.2.b. Hazardous waste **3.3.2.b.1. Total hazardous waste collected** **3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal** **3.3.2.b.3. Number of hazardous waste treatment and disposal facilities** **3.3.2.b.4. Capacity of hazardous waste treatment and disposal facilities** **3.3.2.c. Other/industrial waste** **3.3.2.c.1. Total other/industrial waste collected** **3.3.2.c.2. Amount of other/industrial waste treated by type of treatment and disposal** **3.3.2.c.3. Number of other/industrial treatment and disposal facilities** **3.3.2.c.4. Capacity of other/industrial waste treatment and disposal facilities** **3.3.2.d. Amount of recycled waste** **3.3.2.e. Imports of waste** **3.3.2.f. Exports of waste** **3.3.2.g. Imports of hazardous waste** **3.3.2.h. Exports of hazardous waste**	Table 3.3 Projection of Waste Generation by Region Table 3.4 Amount of Generated Hazardous Waste by Type and by Region Table 3.5 Number of Solid Waste Disposal Facilities by Region, by Type, 2010 to 2019 Table 3.7 Amount of Treated Hazardous Waste by Region, by Type, 2010 to 2019 Table 3.8 Number of Registered TSD Facilities by Region, 2010 to 2019
1.3.1.a. Local air quality **1.3.1.a.1. Concentration level of particulate matter (PM10)** **1.3.1.a.2. Concentration level of particulate matter (PM2.5)**	Table 1.19 Concentration Levels of PM10 by Region Table 1.20 Concentration Levels of PM2.5 by Region
6.3.1.a. National natural extreme event and disaster preparedness and management systems 6.3.1.a.2. Description (e.g., number of staff) of national disaster plans/programmes 6.3.1.a.3. Number and type of shelters in place or able to be deployed *6.3.1.a.4. Number and type of internationally certified emergency and recovery management specialists* *6.3.1.a.5. Number of volunteers* *6.3.1.a.6. Quantity of first aid, emergency supplies and equipment stockpiles* *6.3.1.a.7. Existence of early warning systems for all major hazards* *6.3.1.a.8. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation*	
6.3.2.a. National technological disaster preparedness and management systems *6.3.2.a.1. Existence and description (e.g., number of staff) of public disaster management plans/programmes (and private when available)* *6.3.2.a.2. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation*	

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
11.b By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015–2030, holistic disaster risk management at all levels	11.b.2 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies (Tier II)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.3 : Extreme Event Preparedness and Disaster Management, Topic 6.3.1: Preparedness for natural extreme events and disasters
Goal 12: Ensure sustainable consumption and production patterns		
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.1: Mineral Resources, Topic 2.1.2: Production and trade of minerals
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.2: Energy Resources, Topic 2.2.2: Production, trade and consumption of energy
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.1: Timber resources
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.3: Crops
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.4: Livestock
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.2: Aquatic resources
12.2 By 2030, achieve the sustainable management and efficient use of natural resources	12.2.1 Material footprint, material footprint per capita, and material footprint per GDP (Tier II) 12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.5: Other non-cultivated biological resources
12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses	12.3.1 (a) Food loss index and (b) food waste index (Tier III)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.1: Generation of waste

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
6.3.1.a. National natural extreme event and disaster preparedness and management systems 6.3.1.a.1. Existence of national disaster plans/programmes	
2.1.2.a. Production of minerals 2.1.2.b. Imports of minerals 2.1.2.c. Exports of minerals	Table 2.2 Mineral Production By Mineral, 2010 to 2019
2.2.2.a. Production of energy **2.2.2.a.1. Total production of energy** 2.2.2.a.5. Imports of energy 2.2.2.a.6. Exports of energy	Table 2.5 Energy Balance Tables, 2010 to 2019
2.5.1.c. Forest production 2.5.1.d. Fuelwood production 2.5.1.e. Imports of forest products 2.5.1.f. Exports of forest products	Table 2.7.1 Roundwood Forest Production By Product, 2010 to 2019
2.5.3.a Main annual and perennial crops **2.5.3.a.3. Amount produced** 2.5.3.d. Imports of crops 2.5.3.e. Exports of crops	Table 2.12.1 Palay and Corn Volume of Production, 2010 to 2019
2.5.4.a.1 Number of live animals 2.5.4.a.2 Number of animals slaughtered 2.5.4.c. Imports of livestock 2.5.3.d. Exports of livestock	Table 2.14.1 Livestock Inventory by Animal Type, Farm Type and Geolocation, 2010 - 2019
2.5.2.a. Fish capture production 2.5.2.c. Imports of fish and fishery products 2.5.2.d. Exports of fish and fishery products 2.5.2.f. Aquatic resources 2.5.2.f.1. Stocks of aquatic resources *2.5.2.f.2. Additions to aquatic resources* *2.5.2.f.3. Reductions in aquatic resources*	Table 2.7.3 Production of Non - Timber Forest Products By Product, 2010 - 2019
2.5.5.d. Reported wild animals killed or trapped for food or sale *2.5.5.e. Trade in wildlife and captive- bred species* *2.5.5.f. Non-wood forest products and other plants*	Table 2.7.3 Production of Non - Timber Forest Products By Product, 2010 - 2019
3.3.1.a. Amount of waste generated by source 3.3.1.b. Amount of waste generated by waste category	Table 3.3 Projection of Waste Generation by Region

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and	12.4.2 Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment (Tier III)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.1: Generation of waste
12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment	12.4.2 Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment (Tier III)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.2: Management of waste
12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse	12.5.1 National recycling rate, tons of material recycled (Tier III)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.1: Generation of waste
12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse	12.5.1 National recycling rate, tons of material recycled (Tier III)	Component 3: Residuals, Sub-component 3.3: Generation and Management of Waste, Topic 3.3.2: Management of waste
12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature	12.8.1 Extent to which (i) global citizenship education and (ii) education for sustainable development (including climate change education) are mainstreamed in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment (Tier III)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.4: Environmental Information and Awareness, Topic 6.4.2: Environmental education
Goal 13: Take urgent action to combat climate change and its impacts		
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.1: Impact of natural extreme events and disasters, Topic 4.1.2: Impact of natural extreme events and disasters
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population (Tier II)	Component 4: Extreme Events and Disasters, Sub-component 4.2: Technological Disasters, Topic 4.2.2: Impact of technological disasters

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
3.3.1.c. **Amount of hazardous waste generated**	Table 3.4 Amount of Generated Hazardous Waste by Type and by Region
3.3.2.b. Hazardous waste **3.3.2.b.1. Total hazardous waste collected** **3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal** 3.3.2.g. Imports of hazardous waste 3.3.2.h. Exports of hazardous waste	Table 3.7 Amount of Treated Hazardous Waste by Region, by Type, 2010 to 2019
3.3.1.a. Amount of waste generated by source 3.3.1.b. Amount of waste generated by waste category **3.3.1.c. Amount of hazardous waste generated**	Table 3.3 Projection of Waste Generation by Region Table 3.4 Amount of Generated Hazardous Waste by Type and by Region
3.3.2.a. Municipal waste **3.3.2.a.1. Total municipal waste collected** **3.3.2.a.2. Amount of municipal waste treated by type of treatment and disposal** 3.3.2.b. Hazardous waste **3.3.2.b.1. Total hazardous waste collected** **3.3.2.b.2. Amount of hazardous waste treated by type of treatment and disposal** **3.3.2.c. Other/industrial waste** **3.3.2.c.1. Total other/industrial waste collected** **3.3.2.c.2. Amount of other/industrial waste treated by type of treatment and disposal** **3.3.2.d. Amount of recycled waste** **3.3.2.e. Imports of waste** **3.3.2.f. Exports of waste**	Table 3.3 Projection of Waste Generation by Region Table 3.4 Amount of Generated Hazardous Waste by Type and by Region Table 3.5 Number of Solid Waste Disposal Facilities by Region, by Type, 2010 to 2019 Table 3.7 Amount of Treated Hazardous Waste by Region, by Type, 2010 to 2019 Table 3.8 Number of Registered TSD Facilities by Region, 2010 to 2019
6.4.2.a. Environmental education *6.4.2.a.2. Number and description of environmental education programmes in schools*	
4.1.2.a. People affected by natural extreme events and disasters **4.1.2.a.1. Number of people killed** 4.1.2.a.2. Number of people injured 4.1.2.a.3. Number of people homeless 4.1.2.a.4. Number of people affected	Table 4.3 Number of Deaths due to Natural Extreme Events and Disasters by Type for Minor Incidents, 2010-2019 Table 4.7 Major Natural Extreme Events and Disasters, 2010-2019 Table 4.9 Number of Injured due to Natural Extreme Events by Type for Minor Incidents, 2010-2019
4.2.2.a. People affected by technological disasters 4.2.2.a 1. Number of people killed *4.2.2.a.2. Number of people injured* *4.2.2.a.3. Number of people homeless* *4.2.2.a.4. Number of people affected*	Table 4.4 Number of Deaths due to Human Induced Disasters by Type for Minor Incidents, 2010-2019 Table 4.8 Major Human Induced Disasters, 2010-2019 Table 4.10 Number of Injured due to Human Induced Disasters by Type for Minor Incidents, 2010-2019

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13.1.2 Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015–2030 (Tier I)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.3: Extreme Event Preparedness and Disaster Management, Topic 6.3.1: Preparedness for natural extreme events and disasters, Topic 6.3.2: Preparedness for technological disasters
13.3 Improve education, awareness- raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning	13.3.1 Number of countries that have integrated mitigation, adaptation, impact reduction and early warning into primary, secondary and tertiary curricula (Tier III)	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.4: Environmental Information and Awareness, Topic 6.4.2: Environmental Education
Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development		
14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution	14.1.1 Index of coastal eutrophication and floating plastic debris density (Tier III)	Component 1: Environmental Conditions and Quality, Sub-component 1.3: Environmental Quality, Topic 1.3.3: Marine water quality
14.3 Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels	14.3.1 Average marine acidity (pH) measured at agreed suite of representative sampling stations (Tier II)	Component 1: Environmental Conditions and Quality, Sub-component 1.3: Environmental Quality, Topic 1.3.3: Marine water quality
14.4 By 2020, effectively regulate harvesting and end overfishing, illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans, in order to restore fish stocks in the shortest time feasible, at least to levels that can produce maximum sustainable yield as determined by their biological characteristics	14.4.1 Proportion of fish stocks within biologically sustainable levels (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.2: Aquatic Resources
14.5 By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information	14.5.1 Coverage of protected areas in relation to marine areas (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity
14.7 By 2030, increase the economic benefits to small island developing States and least developed countries from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture and tourism	14.7.1 Sustainable fisheries as a proportion of GDP in small island developing States, least developed countries and all countries (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.5: Biological Resources, Topic 2.5.2: Aquatic resources

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
6.3.1.a. National natural extreme event and disaster preparedness and management systems 6.3.1.a.1. Existence of national disaster plans/programmes 6.3.1.a.2. Description (e.g., number of staff) of national disaster plans/programmes 6.3.1.a.3. Number and type of shelters in place or able to be deployed *6.3.1.a.4. Number and type of internationally certified emergency and recovery management specialists* *6.3.1.a.5. Number of volunteers* *6.3.1.a.6. Quantity of first aid, emergency supplies and equipment stockpiles* *6.3.1.a.7. Existence of early warning systems for all major hazards* *6.3.1.a.8. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation* *6.3.2.a. National technological disaster preparedness and management systems* *6.3.2.a.1. Existence and description (e.g., number of staff) of public disaster management plans/programmes (and private when available)* *6.3.2.a.2. Expenditure on disaster prevention, preparedness, clean-up and rehabilitation*	
6.4.2.a. Environmental education *6.4.2.a.2. Number and description of environmental education programmes in schools*	
1.3.3.a. Nutrients and chlorophyll **1.3.3.a.1. Concentration level of nitrogen** **1.3.3.a.2. Concentration level of phosphorous** 1.3.3.h. Plastic waste and other marine debris *1.3.3.h.1. Amount of plastic waste and other debris in marine waters*	Table 1.27 Concentration Level of Nitrate in Laguna de Bay and its Major Tributaries by Station Table 1.28 Concentration Level of Phosphate in Laguna de Bay and its Major Tributaries by Station
1.3.3.f. Physical and chemical characteristics *1.3.3.f.1. pH/acidity/alkalinity*	Table 1.33 pH Levels in Laguna de Bay and its Tributaries by Station
2.5.2.a. Fish capture production **2.5.2.b. Aquaculture production** 2.5.2.f. Aquatic resources 2.5.2.f.1 Stocks of aquatic resources *2.5.2.f.2. Additions to aquatic resources* *2.5.2.f.3. Reductions in aquatic resources*	Table 2.9.1 Commercial Fisheries Volume of Production by Species and by Geolocation, 2010 - 2019
1.2.2.d. Protected areas and species **1.2.2.d.1. Protected terrestrial and marine area**	Table 1.10 Area of Ecosystems Table 1.16 List and Status of Protected Areas Table 1.17 Forest Cover of the Philippines by Forest Type
2.5.2.a. Fish capture production **2.5.2.b. Aquaculture production** 2.5.2.f. Aquatic resources 2.5.2.f.1 Stocks of aquatic resources *2.5.2.f.2. Additions to aquatic resources* *2.5.2.f.3. Reductions in aquatic resources*	Table 2.9.1 Commercial Fisheries Volume of Production by Species and by Geolocation, 2010 - 2019

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
14.c Enhance the conservation and sustainable use of oceans and their resources by implementing international law as reflected in the United Nations Convention on the Law of the Sea, which provides the legal framework for the conservation and sustainable use of oceans and their resources, as recalled in paragraph 158	14.c.1 Number of countries making progress in ratifying, accepting and implementing through legal, policy and institutional frameworks, ocean-related instruments that implement international law, as reflected in the United Nations Convention on the Law of the Sea, for the conservation and sustainable use of the oceans and their	Component 6: Environmental Protection, Management and Engagement, Sub-component 6.2: Environmental Governance and Regulation, Topic 6.2.3: Participation in MEAs and environmental conventions
Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and ha		
15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements	15.1.1 Forest area as a proportion of total land area (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.1: Physical Conditions, Topic 1.1.3: Geological and geographical information
15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements	15.1.1 Forest area as a proportion of total land area (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.3: Forests
15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements	15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity
15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally	15.2.1 Progress towards sustainable forest management (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.3: Forests
15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally	15.2.1 Progress towards sustainable forest management (Tier I)	Component 2: Environmental Resources and their Use, Sub-component 2.3: Land, Topic 2.3.1: Land use
15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation- neutral world	15.3.1 Proportion of land that is degraded over total land area (Tier II)	Component 1: Environmental Conditions and Quality, Sub-component 1.1: Physical Conditions, Topic 1.1.4: Soil characteristics
15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation- neutral world	15.3.1 Proportion of land that is degraded over total land area (Tier II)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.1: Land cover
15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development	15.4.1 Coverage by protected areas of important sites for mountain biodiversity (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.1: Physical Conditions, Topic 1.1.3: Geological and geographical information

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
6.2.3.a. Participation in MEAs and other global environmental conventions **6.2.3.a.1. List and description (e.g., country's year of participation) of MEAs and other global environmental conventions**	Table 6.4. List and Description of Multilateral Environmental Agreements
Itand reverse land degradation and halt biodiversity loss	
1.1.3.a. Geological, geographical and geomorphological conditions of terrestrial areas and islands **1.1.3.a.2. Area of country or region**	Table 1.7 Land Cover of the Philippines by Region and Province
1.2.3.a. Forest area **1.2.3.a.1. Total**	Table 1.17 Forest Cover of the Philippines by Forest Type
1.2.2.d. Protected areas and species **1.2.2.d.1. Protected terrestrial and marine area**	Table 1.10 Area of Ecosystems Table 1.16 List and Status of Protected Areas Table 1.17 Forest Cover of the Philippines by Forest Type
1.2.3.a. Forest area **1.2.3.a.1. Total** 1.2.3.a.4. Protected forest area 1.2.3.b. Forest biomass 1.2.3.b.1. Total *1.2.3.b.2. Carbon storage in living forest biomass*	Table 1.16 List and Status of Protected Areas by Region Table 1.17 Forest Cover of the Philippines by Forest Type
2.3.1.b. Other aspects of land use 2.3.1.b.3. Area of land under sustainable forest management	
1.1.4.a. Soil characterization **1.1.4.a.1. Area by soil types** 1.1.4.b. Soil degradation **1.1.4.b.1. Area affected by soil erosion** **1.1.4.b.2. Area affected by desertification** 1.1.4.b.3. Area affected by salinization 1.1.4.b.4. Area affected by waterlogging *1.1.4.b.5. Area affected by acidification* *1.1.4.b.6. Area affected by compaction* 1.1.4.c. Nutrient content of soil, measured in levels of: 1.1.4.c.1. Nitrogen (N) 1.1.4.c.2. Phosphorous (P) *1.1.4.c.3. Calcium (Ca)* *1.1.4.c.4. Magnesium (Mg)* *1.1.4.c.5. Potassium (K)* *1.1.4.c.6. Zinc (Zn)* *1.1.4.c.7. Other*	Table 1.9 Area by Soil Taxonomy
1.2.1.a. **Area under land cover categories**	Table 1.7 Land Cover of the Philippines by Region and Province
1.1.3.a. Geological, geographical and geomorphological conditions of terrestrial areas and islands *1.1.3.a.7. Characteristics of landforms (e.g., plains, hills, plateaus, dunes, volcanoes, mountains seamounts)* [mountains, hills]	

Sustainable Development Goals (SDGs)		Framework for the Development
Target	**Indicator**	**Component, Sub-Component, and Topic**
15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development	15.4.1 Coverage by protected areas of important sites for mountain biodiversity (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity
15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development	15.4.2 Mountain Green Cover Index (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.1: Physical Conditions, Topic 1.1.3: Geological and geographical information
15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development	15.4.2 Mountain Green Cover Index (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.1: Land cover
15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species	15.5.1: Red List Index (Tier I)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity
15.7 Take urgent action to end poaching and trafficking of protected species of flora and fauna and address both demand and supply of illegal wildlife products	15.7.1 Proportion of traded wildlife that was poached or illicitly trafficked (Tier II)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity
15.c Enhance global support for efforts to combat poaching and trafficking of protected species, including by increasing the capacity of local communities to pursue sustainable livelihood opportunities	15.c.1 Proportion of traded wildlife that was poached or illicitly trafficked (Tier II)	Component 1: Environmental Conditions and Quality, Sub-component 1.2: Land Cover, Ecosystems and Biodiversity, Topic 1.2.2: Ecosystems and biodiversity

Notes:
1. SDG Indicator can be compiled either fully or partially from Basic Set of Environment Statistics (BSES)
2. Statistics related to but not directly used in SDG Indicators or Statistics related to Tier III indicators (either fully or partially linked to BSES) are exluded in this table.

Source: Environment Statistics Section, United Nations Statistics Division

of Environment Statistics (FDES)	CPES 2010-2019
Statistics used in the SDG Indicator	**Statistical Tables**
1.2.2.d. Protected areas and species **1.2.2.d.1. Protected terrestrial and marine area**	Table 1.10 Area of Ecosystems
1.1.3.a. Geological, geographical and geomorphological conditions of terrestrial areas and islands *1.1.3.a.7. Characteristics of landforms (e.g., plains, hills, plateaus, dunes, volcanoes,* *mountains seamounts)*	
1.2.1.a. Area under land cover categories	Table 1.7 Land Cover of the Philippines by Region and Province
1.2.2.c. Biodiversity **1.2.2.c.1. Known flora and fauna species** 1.2.2.c.4. Species population	Table 1.11.1 - 1.11.3 Known Flora and Fauna Species
1.2.2.d. Protected areas and species 1.2.2.d.2. Protected flora and fauna species	Table 1.11.1 - 1.11.3 Known Flora and Fauna Species Table 1.12 - 1.13 Endemic and Invasive Flora and Fauna Species Table 1.14 - 1.15 Threatened Species Table 1.16 List and Status of Protected Areas by Region
1.2.2.d. Protected areas and species 1.2.2.d.2. Protected flora and fauna species	Table 1.11.1 - 1.11.3 Known Flora and Fauna Species Table 1.12 - 1.13 Endemic and Invasive Flora and Fauna Species Table 1.14 - 1.15 Threatened Species Table 1.16 List and Status of Protected Areas by Region

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CLASSIFICATION OF HAZARDOUS WASTES

Class	Description	Waste Number
A: Wastes with Cyanide		
Wastes with Cyanide	Waste containing cyanide with concentration > 70 mg/L in liquid waste. Refer to CCO.	A101
B: Acid Wastes		
Sulfuric Acid	Sulfuric acid with pH ≤ 2.0	B201
Hydrochloric Acid	Hydrochloric acid with pH ≤ 2.0	B202
Nitric Acid	Nitric acid with pH ≤ 2.0	B203
Phosphoric Acid	Phosphoric acid with pH ≤ 2.0	B204
Hydrofluoric Acid	Hydrofluoric acid with pH ≤ 2.0	B205
Mixture of sulfuric and hydrochloric acid	Mixture of sulfuric and hydrochloric acid with pH ≤ 2.0	B206
Other inorganic acid	Other inorganic acid with pH ≤ 2.0	B207
Organic acid	Organic acid with pH ≤ 2.0	B208
Other acid wastes	Acid wastes other than B201 to B208 with pH ≤ 2.0	B209
C: Alkali Wastes		
Caustic soda	Caustic soda with pH ≥ 12.5	C301
Potash	Potash with pH ≥ 12.5	C302
Alkaline cleaners	Alkaline cleaners with pH ≥ 12.5	C303
Ammonium hydroxide	Ammonium hydroxide with pH ≥ 12.5	C304
Lime slurries	Lime slurries with pH ≥ 12.5	C305
Other alkali waters	Alkali waste other than C301 to C305 with pH ≥ 12.5	C306
D: Wastes with inorganic Chemicals		
Selenium and its compounds*	Includes all wastes with a total Se concentration > 1 mg/L based on analysis of an extract	D401
Arsenic and its compounds*	Includes all wastes with a total As concentration > 1 mg/L based on analysis of an extract	D402
Barium and its compounds*	Includes all wastes with a total Ba concentration > 70 mg/L based on analysis of an extract	D403
Cadmium and its compounds*	Includes all wastes with a total Cd concentration > 0.3 mg/L based on analysis of an extract	D404
Chromium compounds*	Includes all wastes with a total Cr concentration > 5 mg/L based on analysis of an extract	D405
Lead compounds*	Includes all wastes with a total Pb concentration > 1 mg/L based on analysis of an extract	D406
Mercury and mercury compounds*	Includes all wastes with a total Hg concentration > 0.1 mg/L based on analysis of an extract. These also includes organomercury compounds. Refer to CCO.	D407
Fluoride and its compounds*	Includes all wastes with a total F concentration > 100 mg/L based on analysis on extract	D408
Other wastes with inorganic chemicals	Wastes having as constituents or contaminants any of the following: • Antimony: antimony compounds • Beryllium: beryllium compounds • Tellurium: tellurium compounds • Thallium: thallium compounds • Metal carbonyls • Hexavalent chromium compounds • Copper compounds • Zinc compounds	D499

Class	Description	Waste Number
E: Reactive Chemical Wastes		
Oxidizing agents	Includes all wastes that are known to contain oxidizing agents in concentration that cause the waste to exhibit any of the following properties: • It is normally unstable and readily undergoes violent change without detonating • It reacts violently with water • It forms potentially explosive mixtures with water • When mixed with water, it generates toxic gases, vapor or fumes in a quantity sufficient to present a danger to human health It is a cyanide (CN) or sulfide (S) bearing wastes, which when exposed to pH conditions between 2 and 12.5 can generate toxic gases, vapors and fumes in a quantity that poses a danger to human health	E501
Reducing agents	Includes all wastes that are known to contain reducing agents in concentration that cause the waste to exhibit any of the following properties: • It is normally unstable and readily undergoes violent change without detonating • It reacts violently with water • It forms potentially explosive mixtures with water • When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health It is a cyanide (CN) or sulfide (S) bearing wastes, which when exposed to pH conditions between 2 and 12.5 can generate toxic gases, vapors and fumes in a quantity that poses a danger to human health	E502
Explosive and unstable chemicals	Includes all wastes that are 1) capable of detonating or explosive reaction when subject to a strong initiating source or when heated under confinement, or 2) capable of detonating or explosive decomposition at temperature of 20°C and pressure of 1 atm	E503
Highly reactive chemicals	Includes all other wastes that exhibit any of the properties described for D501, D502, and D503	E599
F: Inks/Dyes/Pigments/Paint/Resins/Latex/Adhesives/Organic Sludge		
Solvent based	Includes all solvent based wastes that also meet one or more of the subcategories	F601
Inorganic pigments	Includes all wastewater threatment sludge from the production of inorganic pigments	F602
Ink formulation	Includes all solvent washings and sludge, caustic washings and sludge or wastewater and sludge from cleaning of tubs and equipment used in the formulation of ink from pigment, driers, soaps, and stabilizers containing Chromium and Lead.	F603
Resinous materials	Waste resins generated, but not limited to, water purification processes	F604
Other mixed	Other mixtures with above constituents other than aqueous	F699

Class	Description	Waste Number
G: Waste Organic Solvents		
Halogenated organic solvents	Includes but not limited to the following spent halogenated solvents as well as those listed in the Priority Chemical List (PCL): Tetrachloroethylene; Trichloroethylene Methylene chloride; 1,1,2-Trichloroethane; Carbon Tetrachloride; Chlorobenzene; 1,2,2-Trichloroethane; chlorinated fluorocarbons if they contain a total of 10% of more (by volume) of one or more of the above before use; it also includes all still bottoms from recovery of these solvents and solvent mixtures	G703
Non-halogenated organic solvents	Includes, but not limited to the following spent on-halogenated solvents as well as those listed in the Priority Chemical List (PCL): xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl, ketone, n-butyl alcohol, cyclohexanol, methanol, cresol, cresylic acid, nitrobenzene, toluene, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxy ethanol, and 2-nitrpropane and other non-halogenated organic solvents if they contain a total of 10% or more (by volume) of one or more of these solvents before use; it also includes all still bottoms from recovery of these solvents and solvent mixtures	G704
H: Organic Wastes		
Grease wastes	Includes all grease wastes generated from establishments such as industrial, commercial, and institutional facilities	H802
I: Oil		
Used or waste oil	Used industrial oil including sludge	I101
	Vegetableoil including sludge	I102
	Tallow	I103
	Oil-contaminated materials	I104
J: Containers		
Containers previously containing toxic chemical substances	Containers that used to hold hazardous wastes and toxic chemical substances Containers that used to contain polychlorinated biphenyl (PCB) are categorized as L404 and excluded from this sub-category	J201
K: Stabilized Waste		
Solidified wastes	Wastes whose hazardous substances are physically immobilized by consolidaton to reduce the surface area of the wastes in order to meet the waste acceptance criteria of the disposal facility	K301
Chemically fixed and polymerized wastes	Wastes whose hazardous substances are chemically immobilized through chemical bonds to an immobile matrix or chemical conversion to meet the waste acceptance criteria of the disposal facility	K302
Encapsulated wastes	Wastes whose hazardous substances are physically immobilized by enveloping the waste in a non-porous, impermeable material in order to store or dispose of hazardous wastes in a registered disposal facility	K303

Class	Description	Waste Number
L: Organic Chemicals		
Wastes with specific halogenated toxic organic chemicals	Solid organic chemical wastes listed in the Priority Chemical List (PCL)	L401
Wastes with specific non-halogenated toxic organic chemicals	Solid organic chemical wastes listed in the Priority Chemical List (PCL)	L402
Ozone depleting substances (ODS)	All ODS wastes (refer to CCO)	L403
Polychlorinated Biphenyl (PCB) wastes	All PCB wastes (refer to CCO and Memorandum Circular on the Code of Practice for PCB)	L404
M: Miscellaneous Wastes		
Pathological or infectious wastes	Includes healthcare wastes from hospitals, medical centers and clinics containing pathological, pathogenic and infectious wastes, sharps, and others	M501
Asbestos wastes	All asbestos wastes (refer to CCO)	M502
Pharmaceuticals and drugs	Expired pharmaceuticals and drugs stocked at producers and retailers' facilities which contain hazardous constituents harmful to the environment such as antbiotics, veterinary, and phyto pharmaceuticals and others	M503
Pesticides	Waste pesticides other than M505. Includes all wastewater sludge with hazardous constituents from production of pesticides other than those listed iun M505.	M504
Persistent Organic Pollutants (POPs) wastes	Wastes listed in Stockholm Convention on POPs such as, but not limited to, aldrin, chlordane, dieldrin, endrin, heptachlor, hexachlorobenzene, mirex, toxaphene, and dichlorodiphenyl trichloroethane (DDT) Polychlorinated Biphenyl (PCB) wastes are categorized as L404 and excluded from this sub-category	M505
Waste electrical and electronic equipment (WEEE)	Include all waste electrical and electronic equipment that contain hazardous components such as lead, cadmium, mercury, hexavalant chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) that includes its peripherals i.e., ink ctridges, toners, etc.	M506
Special Wastes	Household hazardous wastes such as paints, thinners, household batteries, lead-acid batteries, spray, canisters and the like that are consolidated by Material Recovery Facilities (MRFs). These inlude wastes from residential and commercial sources that comprise of consumer electronics, white foods (i.e. refrigerators, washing machines, air conditions, etc.) batteries, oil, and busted lamps	M507

* TCLP limits for arsene, barium, cadmium, chromium, flouride, lead, mercury and selenium are correlated with the 2007 Philippine National Standards for Drinking Water.

Source: DENR Administrative Order No. 2013-22

CLASSIFICATION AND USAGE OF WATER BODIES

FRESHWATER

Classification	Intended Beneficial Use
Class AA	Public Water Supply Class I - Intended primarily for waters having watersheds, which are uninhabited and/or otherwise declared as protected areas, and which require only approved disinfection to meet the latest PNSDW*
Class A	Public Water Supply Class II Intended as sources of water supply requireing conventional treatment (coagulation, sedimentation, filtration and disinfectio) to meet the latest PNSDW)
Class B	Recreational Water Class I - Intended for primary contact recreation (bathing, swimming, etc.)
Class C	1. Fishery Water for the propagation and growth of fish and other aquatic resources 2. Recreational Water Class II - For boathing, fishing, or similar activities 3. For agriculture, irrigation, and livestock watering
Class D	Navigable waters

Note: For unclassified water bodies, classification shall be based on the beneficial use as determined by the Environmental Management Bureau (EMB)

*Philippine National Standards for Drinking Water

Source: DENR Administrative Order No. 2016-08

MARINE WATERS

Classification	Intended Beneficial Use
Class SA	1. Protected Waters - Waters designated as national or local marine parks, reserves, sanctuaries, and other areas established by law (Presidential Proclamation 1801 and other existing laws), and/or declared as such by appropriate government agency, LGUs, etc. 2. Fishery Water Class I - Suitable for shellfish harvesting for direct human consumption
Class SB	1. Fishery Water Class II - Waters suitable for commercial propagation of shellfish and intended as spawning areas for milkfish (*Chanos chanos*) and similar species 2. Tourist Zones - For ecotourism and recreational activities 3. Recreational Water Class I - Intended for primary contact recreation (bathing, swimming, skin diving, etc.)
Class SC	1. Fishery Water Class III - For the propagation and growth of fish and other aquatic resources and intended for commercial and sustenance fishing 2. Recreational Water Class II - For boating, fishing, or similar activities 3. Marshy and/or mangrove areas declared as fish and wildlife sanctuaries
Class SD	Navigable waters

Note: For unclassified water bodies, classification shall be based on the beneficial use as determined by EMB

Source: DENR Administrative Order No. 2016-08

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Glossary

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GLOSSARY OF TERMS

Acrisol is one of the 30 soil groups in the classification system of the Food and Agriculture Organization (FAO). Acrisols form on old landscapes that have an undulating topography and a humid tropical climate. Their natural vegetation is woodland, which in some areas has given way to tree savanna maintained by seasonal burning. The age, mineralogy, and extensive leaching of these soils have led to low levels of plant nutrients, excess aluminum, and high erodibility, all of which make agriculture problematic. Nevertheless, traditional shifting cultivation of acid-tolerant crops has adapted well to the conditions found in Acrisols. They occupy just under 8 percent of the continental land surface on Earth, covering areas throughout central and northern Latin America, Southeast Asia, and West Africa. Acrisols are defined by the presence of a subsurface layer of accumulated kaolinitic clays where less than half of the ions available to plants are calcium, magnesium, sodium, or potassium and also by the lack of an extensively leached layer below the surface horizon (uppermost layer). *(Mapping Philippine Agro-Ecological Zones (AEZS) Technical Notes, PHDR Issue 2012/2013).* This is characterized by soils with a horizon of low activity clays (< 24 cmolc/kg of clay determined at pH 7) and base saturation of < 50 percent, acid and nutrient poor. *(Properties and Management of Soils in the Tropics: Chapter 4 - Soils of the Tropics, 09 January 2019)*

Acute Bloody Diarrhea is also called dysentery. This is diarrhea with visible blood in the feces. Important effects of dysentery include anorexia, rapid weight loss, and damage to the intestinal mucosa by the invasive bacteria. A number of other complications may also occur. The main cause of acute dysentery is Shigella; other causes are Campylobacter jejuni and, infrequently, entero-invasive E. coli or Salmonella. Entamoeba histolytica can cause serious dysentery in young adults but is rarely a cause of dysentery in young children. *(Readings on Diarrhea, Student Manual, World Health Organization)*

Acute lower respiratory tract infection is an infection that may interfere with normal breathing. This affects the lower respiratory tract which covers the continuation of the airways from the trachea and bronchi to the bronchioles and the alveoli. This infection is particularly dangerous for children, older adults, and people with immune system disorders. *(Disease Control Priorities in Developing Countries. 2nd edition)*

Affected Population is the sum of categories of selected direct human impacts: deaths, missing, injured, ill, evacuated, relocated and otherwise affected. Annotation: People can be affected directly or indirectly. Affected people may experience short-term or long-term consequences to their lives, livelihoods or health and to their economic, physical, social, cultural and environmental assets. In addition, people who are missing or dead may be considered as directly affected. {United Nations General Assembly (UNGA), 2015}

Airborne diseases and conditions are diseases associated with the environment that are caused or worsened by exposure to unhealthy levels of pollutants (such as PM, SO2, and O3), usually found in urban settlements and, in particular, in cities with weaker air quality regulations and/or enforcement capabilities. *(FDES Glossary, 2013)*

Air Pollutant is any matter found in the atmosphere other than oxygen, nitrogen, water vapor, carbon dioxide, and the inert gases in their natural or normal concentrations that is detrimental to health or the environment, which includes but not limited, to smoke, dust, soot, cinders, fly ash, solid particles of any kind, gases, fumes, chemical mists, steam, and

radioactive substances. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Air Pollution is any alteration of the physical, chemical, and biological properties of the atmospheric air or any discharge thereto of any liquid, gaseous, or solid substances that will or is likely to create or to render the air resources of the country harmful, detrimental, or injurious to public health, safety, or welfare or that will adversely affect their utilization for domestic, commercial, industrial agricultural, recreational, or other legitimate purposes. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Alienable and Disposable (A&D) Land refers to a land of the public domain which has been the subject of the present system of classification and declared as not needed for forest purposes. *(Presidential Decree No. 705 "Revising Presidential Decree No. 389, Otherwise Known as the Forestry Reform Code of the Philippines")*

Alternative fuel or power sources for motor Vehicles:

CNG or Compressed Natural Gas

LPG (AutoLPG) or Liquefied Petroleum Gas

Light EV (LEV) or Two-wheeled or three-wheeled electric vehicles

(Memorandum Circular No. 2020-2240 – Private Motor vehicle Inspection Standards and IRR, and Transportation Office)

Ambient is the environmental surrounding. *(UN Environment Glossary Updated Web Version 2001)*

Ambient Air Quality is the general amount of pollution present in a broad area. It also refers to the atmosphere's average purity as distinguished from discharge measurements taken at the source of pollution. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Ambient Air Quality Guideline Value is the concentration of air over specified periods classified as short- and long-term, which is intended to serve as a goal or objective for the protection of health and/or public welfare. The value shall be used for air quality management purposes, such as determining time trends, evaluating stages of deterioration, or enhancing air quality, and in general, used as a basis for taking positive action in preventing, controlling, or abating air pollution. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Ambient Air Quality Standard is the concentration of an air pollutant which shall not be exceeded in the breathing zone at any time in order to protect public health and public welfare. It is enforceable and must be complied with by the owner or person-in-charge of an industrial operation, process, or trade. *(Implementing Rules and Regulations of RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Ambient Concentration is the measure of environmental quality indicating the amount of pollutants found per unit volume in different environmental media. (*UN Environment Glossary Updated Web Version 2001*)

Amphibian is a cold-blooded, smooth-skinned vertebrate capable of living on land and in water, such as frogs, toads, and salamanders. *(DENR Administrative Order 2009-01)*

Angiosperm is a flowering plant that produces seeds enclosed in a structure derived from the ovary. *(Flora of the Chicago Region, Conservation Research Institute Glossary of Botanical Terms)*

Annual Cropland is the land cultivated with crops with a growing cycle under one year, which must be newly sown or planted for further production after harvesting. *(DENR Memorandum Circular 2005-05)*

Aquaculture is a fishery operation involving all forms of raising and culturing of fish and other fishery species in fresh, brackish, and marine water areas. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Aquafarm is a farming facility used in the culture or propagation of aquatic species including fish, mollusk, crustaceans, and aquatic plants for purposes of rearing and culturing to enhance production. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Aquatic Resources includes fish, crustaceans, mollusks, shellfish and other aquatic organisms such as sponges and seaweed, as well as aquatic mammals such as whales. Aquatic resources are subject to harvest for commercial reasons and are part of recreational and subsistence fishing activities. Aquatic resources for a given country comprise those resources that are considered to live within the exclusive economic zone (EEZ) of a country throughout their life cycles, both coastal and inland fisheries. Migrating and straddling fish stocks are considered to belong to a given country during the period when those stocks inhabit its EEZ. Aquatic resources may be either cultivated or natural biological resources. (*UN Framework for the Development of Environment Statistics 2013*)

Area Harvested is the actual area from which harvests are realized. This excludes crop areas totally damaged. It may be smaller than the area planted. In crop statistics, this applies to temporary crops. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Area Planted is the actual physical area planted to a permanent crop. This generally applies to areas reported for permanent crops. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Area Source is the source of non-natural air pollution released over a relatively small area that cannot be classified as a point source, such as vehicles and other small fuel combustion engines. *(UN Glossary of Environment Statistics)*

Atmosphere is the mass of air surrounding the earth, composed largely of oxygen and nitrogen. *(UN Glossary of Environment Statistics)*

Avian or Bird refers to warm-blooded, egg-laying vertebrates of the class Aves characterized by feathers and forelimbs modified into wings, such as jungle fowl and wild ducks. *(DENR Administrative Order 2009-01)*

Backyard Farm is any farm or household raising at least one head of animal or bird and does not qualify as a commercial farm. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Barren Area (Barren) is land not covered by (semi-)natural or artificial cover. It includes sand dunes, riverwash, lahar-laden areas, and rocky or stony areas. *(DENR Memorandum Circular 2005-05)*

Basic safe water supply is drinking from an improved drinking-water source. *{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}*

Basic Sanitation Facility is composed of a sub, mid, and superstructure that collects excreta or sewage and is conveyed in a containment tank (pit latrine or septic tank). *{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}*

Beneficial Use is the use of the environment or any element or segment thereof conducive to public or private welfare, safety, and health and shall include but not limited to the use of water for domestic, municipal, irrigation, power generation, fisheries, livestock raising, industrial, recreational, and other purposes. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Biochemical Oxygen Demand is dissolved oxygen required by organisms for the aerobic decomposition of organic matter present in water. (*UN Environment Glossary Updated Web Version 2001*)

Biodiesel (also, Fatty Acid Methyl Ester and Mono-alkyl Esters) is derived from vegetable oils or animal fats and other biomass-derived oils that shall be technically proven and approved by the Department of Energy for use in diesel engines with quality specifications in accordance with the Philippine National Standards (PNS). (*RA No. 9367 "An Act to Direct the Use of Biofuels, Establishing for this Purpose the Biofuel Program, Appropriating Funds Therefor, and for Other Purposes"*)

Biodiversity (also, Biological Diversity) is the variability among living organisms from all sources such as inter alia, terrestrial, marine, and other aquatic ecosystems and the ecological complexes of which they are part. It includes diversity within species, between species, and ecosystems. *(DENR Administrative Order 2005-24)*

Bioethanol Fuel refers to ethanol produced from feedback and other biomass. (*RA No. 9367 "An Act to Direct the Use of Biofuels, Establishing for this Purpose the Biofuel Program, Appropriating Funds Therefor, and for Other Purposes"*)

Biological Disaster is an event caused by the exposure of living organisms to germs and toxic substances. *(Center for Research on the Epidemiology of Disasters)*

Biological Resources are timber resources, aquatic resources, crops, livestock and wild, uncultivated biological resources that are provided by natural or cultivated ecosystems. (*UN Framework for the Development of Environment Statistics 2013*)

Biomass refers to any organic matter, particularly cellulosic or lignocellulosic matter, which is available on a renewable or recurring basis, including trees, crops and associated residues, plant fiber, poultry litter, and other animal wastes, industrial wastes, and the biodegradable component of solid wastes. (*RA No. 9367 "An Act to Direct the Use of Biofuels, Establishing for this Purpose the Biofuel Program, Appropriating Funds Therefor, and for Other Purposes"*)

Biomass Resources are non-fossilized, biodegradable organic material originating from naturally occurring or cultured plants, animals and microorganisms, including agricultural products, byproducts and residues such as but not limited to biofuels except corn, soya beans, and rice but including sugarcane and coconut, rice hulls, rice straws, coconut husks and shells, corn cobs, corn stovers, bagasse, biodegradable organic fractions of industrial and municipal wastes that can be used in bioconversion process and other processes, as well as gases and liquids recovered from the decomposition and/or extraction of non-fossilized and biodegradable organic materials. *(RA No. 9513 "An Act Promoting the Development, Utilization and Commercialization of Renewable Energy Resources and for Other Purposes")*

Brackish Water Environment refers to mixed seawater and freshwater environments with salinity of less than 30 parts per thousand (ppt) that varies with the tide. Examples are estuaries, mangroves, and mouths of rivers where seawater enters during high tide. (*PSA-Inventory of Statistical Standards in the Philippines online*)

Buffalo is popularly known as water buffalo and originated from India, which is used as draft animals and suitable for milk production. It is locally known as carabao. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Buffer Zone is an area outside the boundaries of and immediately adjacent to a designated protected area pursuant to Section 8 of Republic Act No. 7586 that needs special development control in order to avoid or minimize harm to the protected area. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Built-up Area is an area of intensive use with much of the land covered by structures. It includes cities, towns, villages, strip developments along highways, transportation, power, and communication facilities, and areas occupied by mills, shopping centers, industrial and commercial complexes, and institutions that may be isolated from urban areas in some instances. *(DENR Memorandum Circular 2005-05)*

Cadmium is a heavy metal with high toxicity. Cadmium is toxic at very low exposure levels and has acute and chronic effects on health and environment. Cadmium is not degradable in nature and will thus, once released to the environment, stay in circulation. *(Nordic Council of Ministers Cadmium Review, World Health Organization)*

Cambisol is one of the 30 soil groups in the classification system of the Food and Agriculture Organization (FAO). Cambisols are characterized by the absence of a layer of accumulated clay, humus, soluble salts, or iron and aluminum oxides. They differ from unweathered parent material in their aggregate structure, colour, clay content, carbonate content, or other properties that give some evidence of soil forming processes. Because of their favourable aggregate structure and high content of weatherable minerals, they usually can be exploited for agriculture subject to the limitations of terrain and climate. Cambisols are the second most extensive soil group on Earth, occupying 12 percent of the total continental land area—mainly in boreal polar regions, in landscapes with high rates of erosion, and in regions of parent material resistant to clay movement. They are not common in humid tropical climates. In order for a soil to qualify as a Cambisol, the texture of the subsurface horizons must be sandy loam or finer, with at least 8 percent clay by mass and a thickness of 15 cm (6 inches) or more. These soils naturally form on medium- to fine-textured parent materials under any climatic, topographic, and vegetative-cover conditions.

(Mapping Philippine Agro-Ecological Zones (AEZS) Technical Notes, PHDR Issue 2012/2013).

Carabao, *see Buffalo*

Carbon Dioxide is a colorless, odorless, and nonpoisonous gas resulting from fossil fuel combustion. It is normally a part of ambient air and produced in the respiration of living organisms (plants and animals) and considered to be the main greenhouse gas contributing to climate change. (*UN Environment Glossary Updated Web Version 2001*)

Carbon Emission is the release of carbon from a source such as but not limited to living organisms, fossil fuels, and volcanic emissions into the atmosphere over a specified area and period of time. *(FMB Philippine Reference for Forest-related Terms and Definitions)*

Carbon Monoxide is a colorless, odorless, and poisonous gas produced by incomplete fossil fuel combustion. It combines with the hemoglobin of the human being, reducing its oxygen carrying capacity with effects harmful to human beings. (*UN Environment Glossary Updated Web Version 2001*)

Cattle is the general term for the members of the *Bovidae* family, wild (*Bibos subspecies*) or domestic (*Bos subspecies*). There are two domestic cattle species, *Bos taurus or* European breeds and *Bos indicus* or Zebu breeds or oriental domestic cattle. *(PSA-Bureau of Agricultural Statistics Glossary of Terms online).*

Charcoal is the solid residue consisting mainly of carbon obtained by the destructive distillation of wood in the absence of air. (*UN Environment Glossary Updated Web Version 2001*)

Chemical Control Order is an order that either prohibits, limits, or regulates the use, manufacture, import, export, transport, processing, storage, possession and wholesale of priority chemicals. *(DENR Administrative Order 2013-22)*

Chemical Oxygen Demand is the index of water pollution measuring the mass concentration of oxygen consumed by the chemical breakdown of organic and inorganic matter. *(UN Glossary of Environment Statistics Updated Web Version 2001)*

Chikungunya is a viral disease transmitted to humans by infected mosquitoes. It is caused by the chikungunya virus (CHIKV). It is an RNA virus that belongs to the alphavirus genus of the family Togaviridae. The name “chikungunya” derives from a word in the Kimakonde language, meaning “to become contorted”, and describes the stooped appearance of sufferers with joint pain (arthralgia). A CHIKV infection causes fever and severe joint pain. Other symptoms include muscle pain, joint swelling, headache, nausea, fatigue and rash. Joint pain associated with chikungunya is often debilitating and can vary in duration. *(Chikungunya, Fact Sheet from the World Health Organization)*

Chikungunya Case Definition:

Suspect Case:

A patient with acute onset of fever, rash (over limbs or trunk) and severe arthralgia or arthritis not explained by other medical conditions.

Confirmed Case:

A suspect case with any of the following CHIK specific tests:

- Detection of viral RNA by RT-PCR

- Detection of IgM in single serum sample (collected during acute or convalescent phase)

- Four-fold increase in CHIK-specific antibody titers (samples collected at least two to three weeks apart)

- Viral isolation

(Public Health Surveillance Division, Epidemiology Bureau, Department of Health)

CITES or the Convention on International Trade in Endangered Species of Wild Fauna and Flora is an international treaty ratified by the Philippine Government to regulate, control, and prohibit the trade of wildlife. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

CITES Appendix I is the list of endangered fauna and flora prohibited by the contracting states of CITES for commercial trade and/or export. Species listed in Appendix I could be exported only for educational and scientific purposes. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

CITES Appendix II is the list of endangered fauna and flora strictly regulated by the contracting states of CITES for commercial trade and/or export. The list of all species although not necessarily threatened with extinction at present may become so unless trade in specimens of such species is subject to strict regulation to avoid utilization incompatible with their survival. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

Climate is the condition of the atmosphere at a particular location (microclimate) or region over a long period of time. It is the long-term summation of atmospheric elements, such as solar radiation, temperature, humidity, precipitation type (frequency and amount), atmospheric pressure, and wind. (speed and direction), and their variations *(UN Environment Glossary Updated Web Version 2001)*

Climate Change is a term frequently used in reference to global warming due to greenhouse gas emissions from human activities. *(UN Environment Glossary Updated Web Version 2001)*

Climatological Disaster is an event caused by long-lived/meso- to macro- scale processes (in the spectrum from intraseasonal to multidecadal climate variability). *(Center for Research on the Epidemiology of Disasters)*

Climatological Normal is a period average computed for a uniform and relative long period comprising at least three consecutive ten-year period. *(PAGASA)*

Closed Forest is a formation where trees in the various storeys and the undergrowth cover a high proportion (more than 40%) of the ground and do not have a continuous dense grass layer. It is either managed or unmanaged forest, in advanced state of succession and may have been logged-over one or more times, having kept its characteristics of forest stands, possibly with modified structure and composition. *(DENR Memorandum Circular 2005-05)*

Coal is a readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50% by weight and more than 70% by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time. *(US Energy Information Administration Glossary)*

Coast is the geographical area of contact between the terrestrial and marine environments, a boundary area of indefinite width, appreciably wider than the shore. *(Integrated Coastal Area Management and Agriculture, Forestry and Fisheries, FAO 1998)*

Coastal Area is a geographic entity of land and water affected by the biological and physical processes of both the terrestrial and the marine environments, and defined broadly for the purpose of natural resources management. Coastal area boundaries usually change over time without regard to enabling legislation. *(Integrated Coastal Area Management and Agriculture, Forestry and Fisheries, FAO 1998)*

Coliform Organism is a microorganism found in the intestinal tract of human beings and animals. Its presence in water indicates faecal pollution and potentially dangerous bacterial contamination. See also Escherichia coli. *(UN Glossary of Environment Statistics Updated Web Version 2001)*

Commercial Farm is any livestock or poultry farm that satisfies at least one of the conditions herein. For livestock, it has at least 21 heads of adults and zero young; or at least 41 heads of young animals; or at least 10 heads of adults and 22 heads of young. For poultry, it has 500 layers or 1,000 broilers; or 100 layers and 100 broilers, if raised in combination; or 100 head of duck regardless of age. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Commercial Fishing is the catching of fish with the use of fishing boats with a capacity of more than three gross tons for trade, business, or profit beyond subsistence or sports fishing. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Common Name refers to the adopted name of a species widely used in the country. It may be based on an English name (or another foreign name) or a Tagalog name, or derived from the meaning of its scientific name when no local or vernacular name is available. *(DENR Administrative Order 2007-01)*

Concentration is the amount of a chemical in a particular volume or weight of air, water, soil, or other medium. *(UN Framework Convention on Climate Change Glossary)*

Confirmed Cholera is an intestinal infection caused by ingestion of food or water contaminated with the bacterium Vibrio cholera. A confirmed case means verified by laboratory analysis. Its incubation period ranges from less than 1 day to 5 days. The infection causes a profuse, painless, watery diarrhea that can quickly lead to severe dehydration and death if treatment is not promptly given. In extreme cases, cholera is a rapidly deadly disease. A healthy individual may die within 2 to 3 hours if no treatment is provided. *(Water-Borne Diseases Advisory, 29 July 2017, Department of Health)*

Coral is a general term used to describe a group of cnidarians; indicates the presence of skeletal material that is embedded in the living tissue or encloses the animal altogether. *{National*

Oceanic and Atmospheric Administration (NOAA) Coral Reef Information System – Glossary of Terms}

Conservation Status is the sum of influences acting on species that affect its long-term distribution and abundance. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

Controlled Dump is the disposal site at which solid waste is deposited in accordance with the minimum prescribed standards of site operation. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Coral Bleaching is the paling in color of corals resulting from a loss of symbiotic algae. It occurs in response to physiological shock as a result of abrupt changes in temperature, salinity, and turbidity. *(FAO Climate Change and Bioenergy Glossary)*

Coral Reef is the natural aggregation of coral skeleton, with or without living coral polyps, occurring in intertidal and subtidal marine waters. *(RA No. 8550 "An Act Providing for The Development, Management and Conservation of the Fisheries and Aquatic Resources, Integrating all Laws Pertinent Thereto, and for Other Purposes")*

Corn Production (also, Maize Production) is the quantity of corn produced and actually harvested during the reference period from both crop types (white and yellow). It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, or reserved, and excludes those produced but not harvested due to low price, lack of demand, and force majeure or fortuitous events. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Criteria Pollutants are pollutants for which National Ambient Air Quality Standards exist. The criteria pollutants include ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, lead, sulfates, hydrogen sulfide, and particulate matter with a diameter of 10 microns or less. *(Implementing Rules and Regulation of RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Critically Endangered Species refers to a species or subspecies that is facing extremely high risk of extinction in the wild in the immediate future. *(RA No. 9147 "An Act Providing for the Conservation and Protection of Wildlife Resources and Their Habitats, Appropriating Funds Therefor and For Other Purposes")*

Crops are plants or agricultural produce grown at a large scale for food or other economic purposes, such as clothes or livestock fodder. *(UN Framework for the Development of Environment Statistics 2013)*

Crude Oil is a mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. *(US Energy Information Administration Glossary)*

Cultivated Biological Resources are animal resources yielding repeat products and tree, crop, and plant resources yielding repeat products whose natural growth and regeneration are under the direct control, responsibility, and management of an institutional unit. (*UN System of Environmental-Economic Accounting 2012 Central Framework*)

Damage is the material impact that could be recovered, in principle, through future repairs. *(Disaster-related Statistics Framework Glossary)*

Dengue is a mosquito-borne viral infection, found in tropical and sub-tropical climates worldwide, mostly in urban and semi-urban areas. The virus responsible for causing dengue, is called dengue virus (DENV) which is transmitted by day biting Aedes aegypti and Aedes albopictus mosquitoes. There are four DENV serotypes (DENV1, DENV2, DENV3, and DENV4), meaning that it is possible to be infected four times. Dengue illness is categorized according to level of severity as dengue without warning signs, dengue with warning signs and severe dengue. While many DENV infections produce only mild illness, DENV can cause an acute flu-like illness. Occasionally this develops into a potentially lethal complication, called severe dengue. *(Dengue and Severe Dengue, Fact Sheet from the World Health Organization and Health Advisory from the Department of Health)*

Case Classification:

Suspect:

- A previously well person with acute febrile illness of

2 to 7 days duration with clinical signs and symptoms of dengue.

Probable:

- A suspect case plus: Laboratory test, at least CBC (leucopenia with or without thrombocytopenia) and/or Dengue NS1, antigen test or dengue IgM antibody test (optional)

Confirmed:

- Viral culture isolation

- Polymerase Chain Reaction

(Public Health Surveillance Division, Epidemiology Bureau, Department of Health)

Depletion (in physical terms) is the decrease in the quantity of the stock of a natural resource over an accounting period that is due to the extraction of the natural resource by economic units occurring at a level greater than that of regeneration. *(UN System of Environmental-Economic Accounting 2012 Central Framework)*

Deposit is the concentration of a solid commodity in the subsoil. The equivalent term for petroleum is accumulation. (*UN Framework Classification for Fossil Energy and Mineral Resources*)

Desertification is land degradation in arid, semi-arid, and dry sub-humid areas resulting from various factors, including climatic variations and human activities. *(UN Convention to Combat Desertification)*

Diesel is used by motor vehicles operating on diesel fuel. *(Land Transportation Office)*

Diplomatic are motor vehicles owned by foreign governments or by their duly accredited diplomatic officers in the Philippines and used in the discharge of their official duties.

(Republic Act No. 4136 - An Act to Compile the Laws Relative to Land Transportation and Traffic Rules, to Create a Land Transportation Commission and for Other Purposes)

Direct GHG emissions are emissions from sources that are owned or controlled by the reporting entity. *(Greenhouse Gas Protocol)*

Direct Impacts are impacts happening during or shortly following disaster directly triggered by a hazard. Direct impacts include impacts to humans, and material impacts. *(Disaster-related Statistics Framework Glossary)*

Disaster is an unforeseen and often sudden event that causes great damage, destruction and human suffering. It is a serious disruption of the functioning of a community or a society involving widespread human, material, economic, or environmental losses and impacts, which exceeds the ability of the affected community or society to cope using its own resources. (*UN Framework for the Development of Environment Statistics 2013*; *National Disaster Risk Reduction and Management Council)*

Disease refers to a specific illness or medical condition, irrespective of origin or source that directly presents or has the potential to present significant harm to humans. *{Manual of Procedures for Philippine Integrated Disease Surveillance and Response (PIDSR) 3rd Edition, April 2014}*

Displacement is the movement of the population as a direct result of a hazard, including evacuations and permanent relocations of people due to a disaster. *(Disaster-related Statistics Framework Glossary)*

Disposals of Waste are waste elimination techniques comprising landfills, containment, underground disposal, dumping at sea, and all other disposal methods. *(UN Environment Glossary Updated Web Version 2001)*

Dissipative losses are material residues that are an indirect result of production and consumption activity. *(FDES Glossary, 2013)*

Dissipative uses of products covers products that are deliberately released to the environment as part of production processes. *(FDES Glossary, 2013)*

Dissolved Oxygen is the amount of gaseous oxygen (O_2) actually present in water expressed in terms either of its presence in the volume of water (milligrams of O_2 per liter) or of its share in saturated water (percentage). *(UN Environment Glossary Updated Web Version 2001)*

Drinking Water Standards are standards that determine the quality of drinking water in the context of prevailing environmental, social, economic, and cultural conditions with reference to the presence of suspended matter, excess salts, unpleasant taste, and all harmful microbes. Meeting those standards does not necessarily imply purity. *(UN Environment Glossary Updated Web Version 2001)*

Dump is a site used to dispose of solid wastes without environmental controls. *(UN Environment Glossary Updated Web Version 2001)*

Economic Loss is an indicator that assesses the impacts of natural extreme events and disasters. It is measured in terms of currency and can be seen in damages to buildings and

transportation networks, loss of revenue for businesses, and loss of crops, among other material indicators. *(UN Framework for the Development of Environment Statistics 2013)*

Ecosystem is a system in which the interaction between different organisms and their environment generates a cyclic interchange of materials and energy. *(UN Environment Glossary Updated Web Version 2001)*

Effluents are discharges from known sources which are passed into a body of water or land, or wastewater flowing out of a manufacturing plant, industrial plant including domestic, commercial, and recreational facilities. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Electricity is a form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change. *(US Energy Information Administration Glossary)*

Emission is any air contaminant, pollutant, gas stream, or unwanted sound from a known source which is passed into the atmosphere. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

These are substances released to the environment by establishments and households as a result of production, consumption and accumulation processes. *(FDES Glossary, 2013)*

Emission Factor is the ratio between the amount of pollution generated and the amount of a given raw material processed. The term may also refer to the ratio between the emissions generated and the outputs of production processes. *(UN Environment Glossary Updated Web Version 2001)*

Emissions to Air are gaseous and particulate substances released to the atmosphere by establishments and households as a result of production, consumption and accumulation processes. *(FDES Glossary, 2013)*

Emission Inventory is the listing by source, type, and quantity of pollutants actually or potentially discharged. Such an inventory is used to establish and put forth emission standards. *(UN Environment Glossary Updated Web Version 2001)*

Endangered Species refers to species or subspecies that are not critically endangered but whose survival in the wild is unlikely if the causal factors continue operating. *(RA No. 9147 "An Act Providing for the Conservation and Protection of Wildlife Resources and Their Habitats, Appropriating Funds Therefor and For Other Purposes")*

Endemic refers to species or subspecies that are naturally occurring and found only within specific areas in the country. *(RA No. 9147 "An Act Providing for the Conservation and Protection of Wildlife Resources and Their Habitats, Appropriating Funds Therefor and For Other Purposes")*

Energy is the capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. *(US Energy Information Administration Glossary)*

Energy Consumption is the use of energy as a source of heat or power or as a raw material input to a manufacturing process. *(US Energy Information Administration Glossary)*

Energy Products are products that are used (or might be used) as a source of energy. They comprise fuels that are produced/generated by an economic unit (including households) and are used (or might be used) as sources of energy; electricity that is generated by an economic unit (including households); and heat that is generated and sold to third parties by an economic unit. (*UN System of Environmental-Economic Accounting 2012 Central Framework*)

Energy Sources refers to all solid, liquid and gaseous fuels, electricity, uranium, steam and hot water, and the traditional fuels such as fuelwood, charcoal, and vegetal and animal wastes. *(UN Environment Glossary Updated Web Version 2001)*

Energy Transformation is the process where the movement of part or all of the energy content of a product entering a process to one or more different products leaving the process (e.g., coking coal to coke, crude oil to petroleum products, and heavy fuel oil to electricity). (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Environment is the totality of all the external conditions affecting the life, development, and survival of an organism. *(UN Environment Glossary Updated Web Version 2001)*

Environmental Awareness involves the gradual understanding of environmental issues, and the recognition of the connections among human actions, development, sustainability and human responsibility in these processes. Environmental awareness involves the realization that humans and ecosystems co-exist in a shared environment, which is ultimately the biosphere. Awareness fosters pro-environmental attitudes and predispositions for action and changed behavior. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental Education refers to the process of sharing and constructing environmental information and knowledge, as well as information on how humans interact with the environment. Environmental education is carried out through a variety of programmes, including formal and informal education and training, directed towards different audiences. It may be curriculum- and classroom-based or experiential, and may be provided on-site or in community settings by government agencies or NGOs. Environmental education is integral to education for sustainable development. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental Engagement involves the transformation of perceptions and attitudes into concrete, pro-environmental actions. Individual and social participation and engagement in environmental processes intended to improve and protect the local and global environment are a concrete manifestation of understanding and motivation of, and commitment to protecting and improving the environment, expressed through behavior. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental Health covers aspects of human health and diseases that are determined by factors in the environment. It also refers to the theory and practice of assessing and controlling factors in the environment that can potentially affect health. *(World Health Organization)*

Environmental Information includes quantitative and qualitative facts describing the state of the environment and its changes as described in the different components of the FDES. Quantitative environmental information is generally produced in the form of data, statistics and indicators, and is generally disseminated through databases, spreadsheets, compendiums and yearbooks. Qualitative environmental information consists of descriptions (e.g., textual or pictorial) of the environment or its constituent parts that cannot be adequately represented by accurate quantitative descriptors. Geographically referenced environmental information provides facts on the environment and its components using digital maps, satellite imagery and other sources linked to a location or map feature. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental Perception refers to individuals and group's notions of, attitudes towards and evaluations of the environment, both as a whole or with respect to specific environmental issues. Individuals and communities make decisions and judgments, and take actions based on subjective perceptions of environmental information and experiences. Values and attitudes thus "filter" information and transform it into perception in a culturally specific manner. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental Protection Activities are activities whose primary purpose is the prevention, reduction and elimination of pollution and other forms of degradation of the environment. These activities include the protection of ambient air and climate, wastewater management, waste management, protection and remediation of soil, groundwater and surface water, noise and vibration abatement, protection of biodiversity and landscapes, protection against radiation, research and development for environmental protection and other environmental protection activities. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental Regulation and Instruments refers to policy responses to regulate and establish acceptable limits for protecting the environment and human health. It entails both direct regulatory and economic instruments. Direct regulatory instruments include environmental and related laws, standards, limits and their enforcement capacities. These can be described using statistics on regulated pollutants, licensing systems, applications for licenses, quotas for biological resource extraction, and budget and the number of staff dedicated to enforcement of environmental regulations. Economic instruments may comprise the existence and number of green/environmental taxes, environmental subsidies, eco-labelling and certification and emission permits. *(UN Framework for the Development of Environment Statistics 2013)*

Environmental resources (assets) are naturally occurring living and non-living components of the Earth, together constituting the biophysical environment, which may provide benefits to humanity. Environmental resources include natural resources (such as sub-soil resources (mineral and energy), soil resources, biological resources and water resources) and land. They may be naturally renewable (e.g., fish, timber or water) or non-renewable (e.g., minerals). *(FDES Glossary, 2013)*

Epidemiology refers to the study of the distribution and determinants of health-related states or events in specified populations, and the application of this study to the control of health problems. *{Manual of Procedures for Philippine Integrated Disease Surveillance and Response (PIDSR) 3rd Edition, April 2014}*

Erosion refers to wearing away of the land by running water, rainfall, wind, ice, or other geological agents, including such processes as detachment, entrainment, suspension, transportation, and mass movement. Geologically, it is defined as the process that slowly shapes hillsides allowing the formation of soil cover from the weathering of rocks and from alluvial and colluvial deposits. It is often intensified by land-clearing human activities related to farming, resident, and industrial development and has an effect increasing run-offs, decline of arable layers, siltation in lakes, lagoons, and oceans. *(UN Environment Glossary Updated Web Version 2001)*

Evaporation is the process whereby liquid water is converted to water vapor (vaporization) and removed from the evaporating surface (vapor removal). (*FAO Corporate Document Repository*)

Evapotranspiration is the combined loss of water by evaporation from the soil or surface water and transpiration from plants and animals. *(UN Environment Glossary Updated Web Version 2001)*

Exempt (Tax Exempt). Special purpose vehicles which acquire or invest in non-performing assets that were granted tax exemptions and fee privileges. *(Republic Act No. 9182 - An Act Granting Tax Exemptions and Fee Privileges to Special Purpose Vehicles which Acquire or Invest In Non-Performing Assets, Setting the Regulatory Framework Therefore, and for Other Purposes)*

Exploration means searching or prospecting for mineral resources by geological, geochemical, and/or geophysical surveys, remote sensing, test pitting, trenching, drilling, shaft sinking, tunneling, or any other means for the purpose of determining their existence, extent, quality, and quantity, and the feasibility of mining them for profit. (*DENR Administrative Order 2010-21*)

Exports of Energy Products refers to all fuel and other energy products leaving the national territory with the exception that exports exclude the quantities of fuels delivered for use by merchant (including passenger) ships and civil aircraft of all nationalities during international transport of goods and passengers. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Extractions are reductions in stock due to the physical removal or harvest of an environmental asset through a process of production. (*UN System of Environmental-Economic Accounting 2012 Central Framework*)

Fallow refers to woody vegetation resulting from the clearing of natural forest for shifting to agriculture. It is an intermediate class between forest and non-forest land uses. Part of the area, which is not under cultivation, may have the appearance of a secondary forest. *(DENR Memorandum Circular 2005-05)*

Farm is a parcel of land having an aggregate area of at least 1,000 square meters devoted to crops; or any area regardless of size raising at least 10 heads of large animals such as cattle, horse, carabao, among others regardless of kind; or any area regardless of size raising at least 20 heads of small animals such as hog, goat, sheep, among others, regardless of age and kind; or any area regardless of size with at least 100 heads of poultry regardless of age and kind; or a combination of land areas and animals raised, which

amounts to at least 10 agricultural units. A farm is classified as either commercial or backyard. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Fauna are all species of animals in a given area. *(FMB Philippine Reference for Forest-related Terms and Definitions)*

Fertilizer is any substance, solid or liquid, natural or synthetic, single or combination of materials that is applied to the soil or on the plant to provide one or more of the essential elements to improve plant nutrition, growth, yield, or quality, or for promoting a chemical change that enhances plant nutrition and growth. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Fish Cage is a stationary or floating fish enclosure of synthetic net wire/bamboo screen or other materials set in the form of inverted mosquito net ("hapa" type) with or without cover with all sides either tied to poles staked to the water bottom or with anchored floats for aquaculture purposes. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Fisheries refers to all activities relating to the act of or business of fishing, culturing, preserving, processing, marketing, developing, conserving, and managing aquatic resources and the fishery areas including the privilege to fish or take aquatic resources thereof. *(RA No. 8550 "An Act Providing for the Development, Management and Conservation of the Fisheries and Aquatic Resources, Integrating All Laws Pertinent Thereto, and for Other Purposes")*

Fish Pen is an artificial enclosure constructed within a body of water for culturing fish, fishery/aquatic resources. It is made up of bamboo poles closely arranged in an enclosure with wooden material, screen or nylon netting to prevent escape of fish. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Fishing refers to the taking of the fishery species from their wild state or habitat with or without the use of fishing vessels. *(Fisheries Statistics of the Philippines 2010-2012 Technical Notes)*

Fishpond is a land-based facility enclosed with earthen or stone material to impound water for growing fish. It also refers to a land-based type of aquafarm or a body of water (artificial or natural) where fish and other aquatic products are cultured, raised or cultivated under controlled conditions. *(RA No. 8550 "An Act Providing for the Development, Management and Conservation of the Fisheries and Aquatic Resources, Integrating All Laws Pertinent Thereto, and for Other Purposes"; PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Flora refers to all species of plants found in a given area, including ferns, lycopods, and mosses. *(FMB Philippine Reference for Forest-related Terms and Definitions)*

Forest is a land with an area of more than 0.5 hectare and tree crown cover (or equivalent stocking level) of more than 10%. The trees should be able to reach a minimum height of five meters at maturity in situ. It consists of either closed forest formations where trees of various storeys and undergrowth cover a high proportion of the ground or open forest formations with a continuous vegetation cover in which tree crown cover exceeds 10%. Young natural stands and all plantations established for forestry purposes, which have yet to reach a crown density of more than 10% or tree height of five meters are included under forest. These are normally forming part of the forest area, which are temporarily unstocked as a result of human intervention or natural causes but which are expected to revert to forest. It

includes forest nurseries and seed orchards that constitute an integral part of the forest; forest roads, cleared tracts, firebreaks and other small open areas; forest within protected areas; windbreaks and shelterbelts of trees with an area of more than 0.5 hectare and width of more than 20 meters; and plantations primarily used for forestry purposes, including rubberwood plantations. It also includes bamboo, palm, and fern formations (except coconut and oil palm). (*DENR Memorandum Circular 2005-05)*

Forest Cover refers to natural and manmade forests, including forests within wetlands and built-up areas. *(DENR 2008 Compendium of Basic ENR Statistics for Operations and Management)*

Forest Disturbance refers to any relatively discrete event in time that disrupts ecosystem, community, or population structure and changes resources and substrate availability of the physical environment. *(DENR 2008 Compendium of Basic ENR Statistics for Operations and Management)*

Forest Land includes the public forest, the permanent forest or forest reserves, and forest reservations. *(Presidential Decree No. 705 "Revising Presidential Decree No. 389, Otherwise Known as the Forestry Reform Code of the Philippines")*

For-Hire Vehicle is a motor vehicle duly authorized to be used as a public utility by virtue of a Certificate of Public Convenience (CPC). *(Republic Act No. 4136 - An Act to Compile the Laws Relative to Land Transportation and Traffic Rules, to Create a Land Transportation Commission and for Other Purposes)*

Framework for the Development of Environment Statistics is a conceptual framework that assists in the development, coordination, and organization of environment statistics and related socioeconomic and demographic statistics. It was developed by the United Nations Statistics Division in 1984, and is based on stress-response principles of environmental impacts. *(UN Environment Glossary Updated Web Version 2001)*

Freshwater refers to water containing less than 500ppm dissolved common salt, sodium chloride, such as that in groundwater, rivers, ponds, and lakes. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Freshwater Environment refers to water without salt or marine origin. Examples of freshwater environments are Laguna de Bay, Taal Lake, Candaba Swamps, Liguasan Marsh and rivers, canals, dams and paddy fields and rice fields. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Game Refuge and Bird Sanctuary refers to a forest land designated for the protection of game animals, birds, and fish and closed to hunting and fishing in order that the excess population may flow and restock surrounding areas. (*PD No. 1559 "Further Amending PD No. 705, Otherwise Known as the Revised Forestry Code of the Philippines")*

Gas is used by motor vehicles operating on gasoline fuel. *(Land Transportation Office)*

Geophysical Disaster is an event that originated from the solid earth, such as earthquakes. *(Center for Research on the Epidemiology of Disasters)*

Geothermal Energy is hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation. *(US Energy Information Administration Glossary)*

Geothermal Resources are mineral resources, classified as renewable energy resource, in the form of all products of geothermal processes embracing indigenous steam, hot water, and hot brines; steam and other gases, hot water and hot brines resulting from water, gas, or other fluids artificially introduced into geothermal formations; heat or associated energy found in geothermal formations; and any byproducts derived from them. *(RA No. 9513 "An Act Promoting the Development, Utilization and Commercialization of Renewable Energy Resources and for Other Purposes")*

Goat is an animal of genus *Capra*, family *Capridae*, compromising of various agile, hollow horned ruminants closely related to the sheep. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Government Environmental Protection and Resource Management Expenditure includes government expenditure whose primary aim is to protect the environment and manage its resources. *(UN Framework for the Development of Environment Statistics 2013)*

Government Vehicle is motor vehicles owned by the government of the Philippines or any of its political subdivisions. *(Republic Act No. 4136 - An Act to Compile the Laws Relative to Land Transportation and Traffic Rules, to Create a Land Transportation Commission and or Other Purposes)*

Grassland is an area predominantly vegetated with grasses such as *Imperata*, *Themeda*, and *Saccharum spp.*, among others. *(DENR Memorandum Circular 2005-05)*

Greenhouse Gases are gases such as carbon dioxide, methane, and oxides of nitrogen, chlorofluorocarbons, and others that can potentially or reasonably be expected to induce global warming. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Groundwater means subsurface water that occurs beneath a water table in soils and rocks or in geological formations. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Gymnosperm is a seed-bearing plant in which the ovule is borne on an open scale, not embedded in an ovary. *(Flora of the Chicago Region, Conservation Research Institute Glossary of Botanical Terms)*

Hazardous Wastes are substances that are without any safe commercial, industrial, agricultural, or economic usage and are shipped, transported, or brought from the country of origin for dumping or disposal into or in transit through any part of the territory of the Philippines. Hazardous wastes also refers to hazardous substances that are byproducts, side-products, process residues, spent reaction media, contaminated plant or equipment, and other substances from manufacturing operations, and to consumer discards of manufactured products.

It also refers to any waste or combination of wastes of solid, liquid, contained gaseous, or semisolid form, which cause or contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness, taking into account toxicity of such waste, its persistence and degradability in nature, its potential for accumulation or concentration in tissue, and other factors that may otherwise cause or contribute to adverse acute or chronic effects on the health of persons or organism. *(Implementing Rules and Regulations of RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes"; RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Hazardous Waste Treatment comprises two categories, which can be distinguished as physical hazardous waste treatment—an approach including phase separation such as through lagooning, filtration or centrifugation, and solidification into hard material allowing for landfill disposal—and thermal hazardous waste treatment—high temperature oxidation of wastes that converts them into gases and solid residues. *(UN Environment Glossary Updated Web Version 2001)*

Hog is a domesticated swine. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Household Waste is a waste material usually generated in the residential environment. Waste with similar characteristics may be generated in other economic activities and can thus be treated and disposed of together with household waste. *(UN Environment Glossary Updated Web Version 2001)*

Households using safely managed sanitation services refers to the number of HHs using safely managed sanitation services

(1) sanitation facility is not shared with other HHs and

(2) the sewage/excreta should either be:

• stored in a containment tank and treated (in situ) and application of sanitation by-products for reuse/disposal or

• stored in a containment tank desludged, transported, treated and disposed off-site and application of sanitation by-products for reuse/disposal or

• stored in a containment tank or conveyed through a sewer/sewerage system and treated off-site and application of sanitation by-products for reuse/disposal

{*Field Health Services Information System (FHSIS) Manual of Operations Version 2018}*

Households with access to improved safe water supply refers to the number of households (HHs) with reasonable means of getting basic safe water from the different types of improved drinking-water supply. *{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}*

Households with Complete Sanitation Facility refers to the number of households that met all

the following three criteria of complete sanitation elements:

• Satisfactory solid waste management/disposal

• Access to basic safe water source

• With access to sanitary toilet facility

{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}

Households with Sanitation Facility refers to the number of households with sanitation facility such as:

(a) pour/flush toilet connected to a septic tank and/or to sewerage system or any other approved treatment system (e.g., anaerobic baffled reactor), and

(b) ventilated improved pit latrine (VIP).

{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}

Households with Satisfactory Solid Waste Management refers to the households that have satisfactory solid waste management that corresponds to the following waste management practice/s:

• Waste segregation, backyard composting, recycling/reuse; OR

• Waste segregation and collected by city/municipal collection and disposal system.

{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}

Human Habitat is the totality of the human community or more precisely, as human population that resides in a settlement, physical elements (e.g., shelter and infrastructure), services (e.g., water, sanitation, waste disposal, transport), and the exposure of humans to potentially deleterious environmental conditions. *(UN Framework for the Development of Environment Statistics 2013)*

Hydrocarbons are compounds of hydrogen and carbon in various combinations that are present in petroleum products and natural gas. Some hydrocarbons are major air pollutants, some may be carcinogenic, and others contribute to photochemical smog. *(UN Environment Glossary Updated Web Version 2001)*

Hydrochlorofluorocarbons are compounds used as replacements for chloro—fluorocarbons (CFCs) in refrigeration because they are less active ozone depleters. *(Glossary of Environment Statistics, Studies in Methods, Series F, No. 67, United Nations, New York, 1997)*

Hydrofluorocarbon emissions are a series of synthetic gases containing carbon, hydrogen and fluorine. The main sources of HFC emissions from industrial processes and industrial product use include emissions arising from foam blowing and the use of HFCs as a cover gas in metal production. *(Canada, Greenhouse Gas Emissions Report, 2008)*

Hydroelectric Power is the use of flowing water to produce electrical energy. *(US Energy Information Administration Glossary)*

Hydrological Disaster is an event caused by deviations in the normal water cycle and or overflow of bodies of water caused by wind setup. *(Center for Research on the Epidemiology of Disasters)*

Imports of Energy Products are all the fuel and other energy products entering the national territory. Goods simply being transported through a country (goods in transit) and goods temporarily admitted are excluded, but reimports, which are domestic goods exported but subsequently readmitted, are included. The bunkering of fuel outside the reference territory by national merchant ships and civil aircraft engaged in international travel is excluded from imports. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Improved drinking-water source includes the use of the following: piped water into dwelling, plot, or yard; public tap or standpipe; borehole or tube well; protected dug well; protected spring; rainwater collection and bottled water (if a secondary available source is also improved). *(FDES Glossary, 2013)*

These are which by nature of their design, and construction, have the potential to deliver safe water such as Level I, II and III water systems. *{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}*

Improved safe water supply are general guidelines that conform to set standards for drinking-water quality, water sampling and evaluation of results upon examination. These standards are consistent with the improved framework for drinking-water safety promoted by WHO which comprises three key components namely: health- based targets established by the authority; safely managed water systems (application of water safety plan); and, a system of independent surveillance. *(DOH Launches Philippine National Standards for Drinking Water of 2017, Department of Health)*

Improved sanitation facility is defined as one that hygienically separates human excreta from human contact. Improved facilities include flush/pour flush toilets or latrines connected to a sewer, -septic tank, or -pit, ventilated improved pit latrines, pit latrines with a slab or platform of any material which covers the pit entirely, except for the drop hole and composting toilets/latrines. *(FDES Glossary, 2013)*

Indicated Mineral Resource refers to that part of a mineral resource for which tonnage, densities, shape, physical characteristics, grade, and mineral content can be estimated with a reasonable level of confidence. It is based on exploration, sampling, and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings, and drill holes. The locations are too widely or inappropriately spaced to confirm geological and or grade continuity but are spaced closely enough for continuity to be assumed. (*DENR Administrative Order 2010-09*)

Indirect GHG emissions are emissions that are a consequence of the activities of the reporting entity but have occurred at sources owned or controlled by another entity. *(Greenhouse Gas Protocol)*

Indirect Impacts are consequences of a disaster for which causality is not directly observed and therefore must be estimated via application of some assumptions and analysis. Consists of various forms of indirect consequences to the people, social condition, the economy or the environment. From United Nations (UN) (2015), indirectly affected are: “people who have suffered consequences, other than or in addition to direct

effects, over time due to disruption or changes in economy, critical infrastructures, basic services, commerce, work or social, health and psychological consequences." *(Disaster-related Statistics Framework Glossary)*

Industrial Wastes are any solid, semisolid, or liquid waste material with no commercial value released by a manufacturing or processing plant other than excluded material. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Inferred Mineral Resource refers to that part of a mineral resource for which tonnage, grade, and mineral content can be estimated with low level of confidence. It is inferred from geological evidence, sampling, and assumed but not verified geological and/or grade continuity. It is based on information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings, and drill holes, which may be limited or of uncertain quality and reliability. (*DENR Administrative Order 2010-09*)

Injured is the number of persons whose health or physical integrity is affected as a direct result of the disaster. Does not include victims who die. *(Disaster-related Statistics Framework Glossary)*

Inland Municipal Fishing is the catching of fish, crustaceans, mollusks, and all other aquatic animals and plants in inland waters like lakes, rivers, dams, and marshes using simple gears and fishing boats some of which are non motorized with a capacity of less than or equal to three gross tons. It also refers to fishing that does not require the use of fishing boats. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Inland Waters are bodies of water surrounded by land, such as rivers, lakes, streams, mudflats, ponds and fishponds, dams, and reservoirs. *(DENR Memorandum Circular 2005-05)*

International Aviation Bunkers are quantities of fuels delivered to civil aircraft of any nationality for consumption during international flights transporting goods or passengers. International flights take place when the ports of departure and arrival are in different national territories. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

International Marine Bunkers are quantities of fuels delivered to merchant (including passenger) ships of any nationality for consumption during international voyages transporting goods or passengers. International voyages take place when the ports of departure and arrival are in different national territories. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Invasive Alien Species refer to species introduced deliberately or unintentionally outside their natural habitats where they have the ability to establish themselves, invade, outcompete native species, and take over the new environment. *(RA No. 11038 "An Act Declaring Protected Areas and Providing for their Management, Amending for this Purpose Republic Act No. 7586, Otherwise Known as the "National Integrated Protected Areas System (NIPAS) Act of 1992", and for Other Purposes")*

Invertebrates refer to the type of animals that do not have backbones or spinal columns, such as worms, insects, spiders and the like. *(DENR Administrative Order 2009-01)*

Irrigated Palay is a palay crop that requires standing water for its normal growth and is not confined to lowland but also to high places where paddies are built for planting rice. It requires irrigation water made available through artificial means such as gravity, force, and power pumps. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Kaingin is a portion of the forest land, whether occupied or not, that is subjected to shifting and or permanent slash-and-burn cultivation having little or no provision to prevent soil erosion. (*PD No. 1559 "Further Amending PD No. 705, Otherwise Known as the Revised Forestry Code of the Philippines")*

Land is a resource both manmade and natural, found on the surface, below, and above the ground. It includes inland waters and the air therein. *(FMB Philippine Reference for Forest-related Terms and Definitions)*

Land Cover refers to the observed physical and biological cover of the Earth's surface and includes natural vegetation, abiotic (nonliving) surfaces, and inland water bodies such as rivers, lakes, and reservoirs. (*UN System of Environmental-Economic Accounting 2012 Central Framework*)

Land use reflects both the activities undertaken and the institutional arrangements put in place for a given area for the purposes of economic production, or the maintenance and restoration of environmental functions. Land being "used" means the existence of some kind of human activity or management. Consequently, there are areas of land that are "not in use" by human activities. *(FDES Glossary, 2013)*

Lake is an inland body of water, an expanded part of a river, a reservoir formed by a dam, or a lake basin intermittently or formerly covered by water. *(RA No. 8550 "An Act Providing for the Development, Management and Conservation of the Fisheries and Aquatic Resources, Integrating All Laws Pertinent Thereto, and for Other Purposes")*

Leachate is a liquid produced when wastes undergo decomposition and when water percolates through solid waste undergoing decomposition. It is a contaminated liquid that contains dissolved and suspended materials. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Lead is a heavy metal whose compounds are highly poisonous to health. Its use in gasoline, paints and plumbing compounds has been generally reduced. *(UN Glossary of Environment Statistics Updated Web Version 2001)*

Leptospirosis is a bacterial infection transmitted by rats through urine and feces. It can contaminate the soil, water, and vegetation. It is caused by Leptospira spirochetes bacteria. Its mode of transmission includes ingesting contaminated food or water, or when broken skin or open wounds are exposed to floodwaters. Its incubation period is 7 to 10 days. *(Water-Borne Diseases Advisory, 29 July 2017, Department of Health)*

Leptospirosis Case Definition:

Suspect Case:

- A person who developed acute febrile illness with headache, myalgia and prostration associated with any of the following: Conjunctival suffusion, Meningeal irritation, Anuria or

oliguria and/or proteinuria, Jaundice, Hemorrhages (from the intestines or lungs), Cardiac arrhythmia or failure, skin rash. Possibly AFTER exposure to infected animals or an environment contaminated with animal urine (e.g., wading in flood waters, rice fields, and drainage) Probable Case:

- A suspected case in an ongoing epidemic or epidemiological case linked to a confirmed case OR a clinically tested positive by Rapid Test Kits.

Confirmed Case:

A suspect case that is laboratory confirmed via:

- Isolation (and typing) from blood or other clinical materials through culture of pathogenic Leptospira.

- Positive serology, preferably Microscopic Agglutination Test (MAT) or Polymerase Chain Reaction (PCR), using a range of Leptospira strains for antigens that should be representative of local strains. *(Public Health Surveillance Division, Epidemiology Bureau, Department of Health)*

Level I (Point Source) refers to a protected well or a developed spring with an outlet but without a distribution system, generally adaptable for rural areas where the houses are thinly scattered. A Level I facility normally serves around 15 to 25 HHs and its outreach must not be more than 250 meters from the farthest user. *{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}*

Level II (Communal Faucet System or Stand Posts) refers to a system composed of a source, with or without a reservoir, a piped distribution network, and communal faucets located not more than 25 meters from the farthest house. The system is designed to deliver 40 to 80 liters per capita per day to an average of 100 HHs, with one faucet per 4 to 6 HHs. It is generally suitable for rural and urban areas where houses are clustered densely enough to justify a simple pipe system.

Note: For reporting purposes Level II system may also include a communal faucet connected to Level III where group of households get their water supply

{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}

Level III (Waterworks System or Individual House Connection) refers to a system with a source, with or without reservoir, a piped distribution network and HH taps. It is generally suited for densely populated areas.

Note: For reporting purposes Level III system may also include a Level I system with piped distribution for household tap serving group of household dwellings

{Field Health Services Information System (FHSIS) Manual of Operations Version 2018}

Livestock refers to farm animals kept or raised for consumption, work, or leisure. In general, poultry is separated as a distinct group of farm animals. For purposes of censuses and surveys, livestock covers only those that are tended and raised by an operator. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Lixisols refers to soils with subsurface accumulation of low-activity clays and high base saturation. *(Properties and Management of Soils in the Tropics: Chapter 4 - Soils of the Tropics, 09 January 2019)*

Major Crops are the top 20 crops in the Philippines other than palay and corn, which collectively account for more than 60% of the total crop production. These include coconut, sugarcane, banana, pineapple, coffee, mango, tobacco, abaca, peanut, mongo, cassava, cacao, sweet potato, tomato, garlic, onion, cabbage, eggplant, calamansi, and rubber. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Malaria is a disease caused by one or more species of the protozoan parasite called Plasmodium which is usually transmitted through the infective bite of a female Anopheles mosquito, and rarely through blood transfusion or the sharing of contaminated needles and syringes. As a disease, it may result in death if not promptly detected and properly treated. Malaria was historically the most common and most persistent mosquito-borne infection in the Philippines (although it is now being overtaken by arbovirus infections like dengue). *(Malaria Control Program, Department of Health)*

There are 5 parasite species that cause malaria in humans, and 2 of these species – P. falciparum and P. vivax – pose the greatest threat. *(Malaria, Fact Sheet from the World Health Organization)*

Mammal refers to any of the various warm-blooded vertebrates of the class *Mammalia*, characterized with hair covering on the skin and milk-producing mammary glands (among females) for nourishing the young. *(DENR Administrative Order 2009-01)*

Mangrove Forest is a forested wetland growing along tidal mudflats and along shallow water coastal areas extending inland along rivers, streams, and their tributaries where the water is generally brackish and composed mainly of *Rhizopora*, *Bruguiera*, *Ceriops*, *Avicenia*, *Aegiceras*, and *Nipa* species. *(DENR Memorandum Circular 2005-05)*

Marine Park is any offshore area inhabited by rare and unique species of marine flora and fauna. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

Marine Water Environment, *see Seawater Environment*

Marshland is a natural area usually dominated by grass-like plants such as cattails and sedges, which are rooted in bottom sediments but emerge above the surface of the water. It contains emergence vegetation and usually develops in zones progressing from terrestrial habitat to open water. *(DENR Memorandum Circular 2005-05)*

Material Recovery Facility is a solid waste transfer station or sorting station, drop-off center, a composting facility, and a recycling facility. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Measles is a highly contagious respiratory disease caused by a virus. It is transferred from person-to-person by sneezing, coughing, and close personal contact. Its signs and symptoms include cough, runny nose, red eyes/conjunctivitis, fever, skin rashes lasting for more than 3 days. *(DOH Declares Measles Outbreak in NCR, Department of Health)*

Measured Mineral Resource refers to that part of a mineral resource for which tonnage, densities, shape, physical characteristics, grade, and mineral content can be estimated with a high level of confidence. It is based on detailed and reliable exploration, sampling, and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings, and drill holes. The locations are spaced closely enough to confirm geological and grade continuity. (*DENR Administrative Order 2010-09*)

Metallic Mineral is a mineral having a brilliant appearance and quite opaque to light, usually giving a black or very dark streak, and from which a metallic element/component can be extracted/utilized for profit. (*DENR Administrative Order 2010-21*)

Meteorological Disaster is an event caused by short-lived/small to meso-scale processes (in the spectrum from minutes to days). *(Center for Research on the Epidemiology of Disasters)*

Methane (chemical formula: CH_4) is a colorless, nonpoisonous, and flammable gaseous hydrocarbon created by anaerobic decomposition of organic compounds. It is a potent greenhouse gas. (*UN Environment Glossary Updated Web Version 2001*)

Methyl Bromide is an odorless, colorless gas used to control a wide variety of pests in agriculture and shipping, including fungi, weeds, insects, nematodes (or roundworms), and rodents. *(United States Environmental Protection Agency)*

Migrant is a species that winter in the Philippines on a seasonal basis or those that cross trans boundaries on several states. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

Minerals are all naturally-occurring inorganic substances in solid, liquid, gas, or any intermediate state excluding energy materials such as coal, petroleum, natural gas, radioactive materials, and geothermal energy. (*DENR Administrative Order 2010-21*)

Mineral Occurrence is the indication of mineralization that is worthy of further investigation. The term mineral occurrence does not imply any measure of volume or tonnage, grade or quality and is thus not part of a mineral resource. (*UN Framework Classification for Fossil Energy and Mineral Resources*)

Mineral Products are materials derived from ores, minerals, or rocks and prepared into a marketable state by mineral processing. (*DENR Administrative Order 2010-21*)

Mineral Resource refers to the concentration or occurrence of material of intrinsic economic interest in or on the Earth's crust in such form, quality, and quantity that there are reasonable prospects for eventual economic extraction. The location, quantity, grade, geological characteristics, and continuity of a mineral resource are known, estimated, or interpreted from specific geological evidence, sampling, and knowledge. Mineral resources are subdivided, in order of increasing geological confidence, into inferred, indicated, and measured categories. (*DENR Administrative Order 2010-09*)

Missing is the number of persons whose whereabouts since the disaster is unknown. It includes people who are presumed dead. After some amount of time, missing people become part of the count of deaths. *(Disaster-related Statistics Framework Glossary)*

Mobile Source is any vehicle or machine propelled by or through oxidation or reduction reactions, including combustion of carbon-based or other fuel, constructed and operated principally for the conveyance of persons or the transportation of property or goods, which emit air pollutants as a reaction product. *(Implementing Rules and Regulation of RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Mollusk is a soft-bodied invertebrate animal. *{International Union for Conservation of Nature and Natural Resources (IUCN) Glossary of Terms}*

Monitoring is the continuous or frequent standardized measurement and observation of the environment (air, water, land/soil, and biota) often used for warning and control. *(UN Environment Glossary Updated Web Version 2001)*

Monitoring Station is a facility used to measure emissions or ambient concentrations of pollutants. *(UN Environment Glossary Updated Web Version 2001)*

Motor Vehicle refers to any vehicle propelled by any power other muscular power using the public highways but excepting road rollers, trolly cars, street sweepers, sprinklers, lawn mowers, bulldozers, graders, forklifts, amphibian trucks, and cranes if not used on public highways, vehicles which run only on rails or tracks and tractors, trailers and traction engines of all kinds used exclusively for agricultural purposes. *(Republic Act No. 4136 - An Act to Compile the Laws Relative to Land Transportation and Traffic Rules, to Create a Land Transportation Commission and for Other Purposes)*

Multilateral Environmental Agreement is a generic term for treaties, conventions, protocols, and other binding instruments related to the environment. It covers a wider geographic scope extending beyond instruments that are agreed upon between two states. *(United Nations)*

Municipal Fishing refers to fishing within municipal waters using fishing vessels of three gross tons or less. It also refers to fishing that does not require the use of fishing vessels. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Municipal Waters include not only streams, lakes, inland bodies of water, and tidal waters within the municipality, which are not included within the protected areas as defined under Republic Act No. 7586 (or NIPAS Law), public forests, timber lands, forest reserves, or fishery reserves, but also marine waters included between two lines drawn perpendicular to the general coastline from points where the boundary lines of the municipality touch the sea at low tide and a third line parallel with the general coastline including offshore islands and 15 kilometers from such coastline. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

National Integrated Protected Areas System (NIPAS) refers to the classification and administration of all designated protected areas to maintain essential ecological processes and life-support systems, to preserve genetic diversity, to ensure sustainable use of resources found therein, and to maintain their natural conditions to the greatest extent possible. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

National Park is a forest reservation essentially of natural wilderness character, which has been withdrawn from settlement, occupancy, or any form of exploitation except in conformity with approved management plan and set aside as such exclusively to conserve the area or preserve the scenery, the natural and historic objects, wild animals and plants therein, and to provide enjoyment of these features in such areas. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Natural Biological Resources are animals, birds, fish, and plants that yield both once-only and repeat products for which natural growth and or regeneration is not under the direct control, responsibility, and management of institutional units. (*UN System of Environmental-Economic Accounting 2012 Central Framework*)

Natural Biotic Area is an area set aside to allow the way of life of societies living in harmony with the environment to adapt to modern technology at their pace. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Natural Disaster is an event that resulted from natural phenomena such as tropical cyclones and earthquakes. *(UN Framework for the Development of Environment Statistics 2013)*

Natural Forest is a forest composed of indigenous trees, not planted by humans. Or in other words forests excluding plantations. Natural forests are further classified using the following criteria: 1) forest formation (or type): closed/open; 2) degree of human disturbance or modification; and 3) species composition. *(Global Forest Resources Assessment, FAO 2000)*

Natural Gas is a mixture of hydrocarbon compounds and small quantities of non-hydrocarbons, existing in the gaseous phase or in solution with oil in natural underground reservoirs. *(UN Environment Glossary Updated Web Version 2001)*

Natural Monument (also, Natural Landmark) is a relatively small area focused on protection of small features to protect or reserve nationally significant natural features on account of their special interest or unique characteristics. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Natural Park is a relatively large area not materially altered by human activity where extractive resource uses are not allowed and maintained to protect outstanding and natural and scenic areas of national or international significance for scientific, educational, and recreational use. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Nitrate is a nitrogen-containing compound that can exist in the atmosphere or as a dissolved gas in water. It may produce harmful effects on humans and animals. *(UN Environment Glossary Updated Web Version 2001)*

Nitrogen Oxide (chemical formula: NO_x) is a product of combustion from transportation and stationary sources. It is a major contributor to acid depositions and the formation of ground-level ozone in the troposphere. *(UN Environment Glossary Updated Web Version 2001)*

Nitrous Oxide (chemical formula: N_2O) is a relatively inert oxide of nitrogen produced as a result of microbial action in the soil, use of fertilizers containing nitrogen, burning of timber, and so forth. This nitrogen compound may contribute to greenhouse and ozone-depleting effects. *(UN Environment Glossary Updated Web Version 2001)*

Nonpoint Sources of Pollution are pollution sources that are diffused and without a single point of origin or not introduced into a receiving stream from a specific outlet. The pollutants are generally carried off the land by stormwater runoff. The commonly used categories for nonpoint sources are agriculture, forestry, urban areas, mining, construction, dams and channels, land disposal, and saltwater intrusion. *(UN Environment Glossary Updated Web Version 2001)*

Nonmetallic Mineral is a mineral usually having a dull luster, generally light-colored and transmits light, usually giving either colorless or light colored streak from which a nonmetallic element/component can be extracted/utilized for a profit. (*DENR Administrative Order 2010-21*)

Nonrenewable Fuels are fuels that cannot be easily made or "renewed" such as oil, natural gas, and coal. *(US Energy Information Administration Glossary)*

Non-vascular Plants are plants such as mosses, liverworts, and hornworts, which do not contain the specialized vascular tissue (xylem and phloem) such as is found in the ferns, gymnosperms, and angiosperms. *{United States Department of Agriculture (USDA) National Agricultural Library (NAL) Thesaurus and Glossary}*

Normal (also, Climatological Normal) is the average value of a meteorological element over any fixed period of years that is recognized as a standard for a country and element concerned. It is usually a 30-year period as recommended by the World Meteorological Organization. *(Department of Science and Technology-PAGASA)*

Notifiable Disease refers to the disease that, by legal requirements, just be reported to the public health or other authority in the pertinent jurisdiction when the diagnosis is made. *{Manual of Procedures for Philippine Integrated Disease Surveillance and Response (PIDSR) 3rd Edition, April 2014}*

Oil is a mixture of hydrocarbons usually existing in the liquid state in natural underground pools or reservoirs. Oil is often found in association with gas. *(US Energy Information Administration Glossary)*

Open Dump is a disposal area wherein the solid wastes are indiscriminately thrown or disposed of without due planning and consideration for environmental and health standards. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Open Forest refers formations with discontinuous tree layer with coverage of at least 10% and less than 40%. They are either managed or unmanaged forests in the initial state of succession. *(DENR Memorandum Circular 2005-05)*

Ore Reserve is the economically mineable part of a measured and/or indicated mineral resource. It is subdivided in order of increasing confidence into probable and proved ore reserves. (*DENR Administrative Order 2010-21*)

Other Land refers to land with tree cover less than 5%. It includes agricultural land, pastures, built-up areas, bare areas, and grasslands. (DENR Memorandum Circular 2005-05)

Other Natural Land refers to land not classified as forest or other wooded land undisturbed by man. *(DENR Memorandum Circular 2005-05)*

Other non-cultivated biological resources are resources may include wild berries, fungi, bacteria, fruits, sap and other plant resources that are harvested (ISIC Rev. 4, Section A, class 0230), as well as wild animals that are trapped or killed for product on, consumption and trade (ISIC Rev. 4, Section A, class 0170). *(FDES Glossary, 2013)*

Other Threatened Species refers to a species or subspecies that is not critically endangered, endangered, or vulnerable but is under the threat from adverse factors such as overcollection throughout their range and is likely to move to the vulnerable category in the near future. *(Implementing Rules and Regulation of RA No. 9147 "An Act Providing for the Conservation and Protection of Wildlife Resources and Their Habitats, Appropriating Funds Therefore and For Other Purposes")*

Other Wildlife Species refers to non threatened species that have the tendency to become threatened due to predation and destruction of habitat or other similar causes as may be listed by the Secretary of Environment and Natural Resources upon the recommendation of the National Wildlife Management Committee. *(DENR Administrative Order 2004-15)*

Other Wooded Land refers to lands either with a crown cover (or equivalent stocking level) of 5-10% of trees able to reach a height of five meters at maturity or with a crown cover (or equivalent stocking level) of more than 10% not able to reach a height of five meters at maturity such as dwarf or stunted trees or with shrubs or bush cover of more than 10%. *(DENR Memorandum Circular 2005-05)*

Oyster Farming refers to the cultivation of oysters in suitable water areas by any method for production purposes. *(Fisheries Statistics of the Philippines 2010-2012 Technical Notes)*

Ozone (O3) is a pungent, colourless, toxic gas that contains three atoms of oxygen in each molecule. It occurs naturally at a concentration of about 0.01 parts per million (p.p.m.) of air. Levels of 0.1 p.p.m. are considered to be toxic. In the stratosphere, ozone provides a protective layer shielding the earth from the harmful effects of ultraviolet radiation on human beings and other biota. In the troposphere, it is a major component of photochemical smog, which seriously affects the human respiratory system. *(UN Glossary of Environment Statistics Updated Web Version 2001)*

Ozone depleting substances are chemicals that destroy the earth's protective ozone layer. *(Department of the Environment and Energy, Australian Government)*

Palay Production (also, Paddy Rice Production) is the quantity of palay produced and actually harvested during the reference period from both ecosystems (irrigated and rainfed). It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, and reserved and excludes those produced but not harvested due to low price, lack of demand, and force majeure or fortuitous events. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Paratyphoid fever is a clinically similar illness but often less severe than typhoid fever which is caused by Salmonella Paratyphi A and B (or uncommonly Paratyphi C).

Particulates are fine liquid or solid particles, such as dust, smoke, mist, fumes, or smog, found in air or emissions. *(UN Environment Glossary Updated Web Version 2001)*

Perennial Cropland refers to land cultivated with long term crops that do not have to be replanted for several years after each harvest. Harvested components are not timber but fruits, latex, and other products that do not significantly harm the growth of the planted trees or shrubs; orchards, vineyards and palm plantations, coffee, tea, sisal, banana, abaca, among others. *(DENR Memorandum Circular 2005-05)*

Persistent Organic Pollutants are chemical substances that persist in the environment, bioaccumulate through the food web, can travel long distances, and pose a risk of causing adverse effects to human health and the environment. *(DENR Administrative Order 2013-22)*

Pesticides are substances or any mixtures of substances intended for preventing, destroying, or controlling pests, including vectors of human or animal diseases, unwanted species of plants or animals causing harm during or otherwise interfering with the production, processing, storage, transport, or marketing of food, agricultural commodities, wood or wood products, or animals feed stuffs. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

pH Value is the measure of the acidity or alkalinity of a liquid. A pH value in the range of 0 to 7 indicates acidity, a pH value in the range of 7 to 14 indicates alkalinity, and a pH value of 7 signifies neutrality. *(UN Glossary of Environment Statistics Updated Web Version 2001)*

Plantation Forest refers to forest stands established by planting and or seeding in the process of afforestation or reforestation. It may be composed of broadleaved, coniferous, and or mixed forests. *(DENR Memorandum Circular 2005-05)*

PM (Particulate Matter) 2.5 also called "fine particles," such as those found in smoke and haze, are 2.5 micrometers in diameter and smaller. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries and automobiles react in the air. *(United States Environmental Protection Agency Website)*

PM (Particulate Matter) 10 also called “inhalable coarse particles," such as those found near roadways and dusty industries, are larger than 2.5 micrometers and smaller than 10 micrometers in diameter. *(United States Environmental Protection Agency Website)*

Pneumonia is a form of acute respiratory infection that affects the lungs. The lungs are made up of small sacs called alveoli, which fill with air when a healthy person breathes. When an individual has pneumonia, the alveoli are filled with pus and fluid, which makes breathing painful and limits oxygen intake. *(Pneumonia, Fact Sheet from the World Health Organization)*

Point Source of Pollution is an anthropogenic source of emissions that is located at an identifiable point in space. It covers stationary sources such as sewage treatment plants, power plants, other industrial establishments, and similar buildings and premises of small spatial extension. *(UN Environment Glossary Updated Web Version 2001)*

Pollutant is any substance, whether solid, liquid, gaseous, or radioactive, which directly or indirectly alters the quality of any segment of the receiving water body so as to affect or tend to affect adversely any beneficial use thereof; is hazardous or potentially hazardous to health; imparts objectionable odor, temperature change, or physical, chemical, or biological change to any segment of the water body; or is in excess of the allowable limits or concentrations or quality standards specified, or in contravention of the condition, limitation, or restriction prescribed in Republic Act No. 9275. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Potential Mineral Resource (also, Target Mineral Resource) refers to a mineralization that cannot be classified as mineral resource or ore reserve owing to the insufficiency of data. (*DENR Administrative Order 2010-09*)

Priority Chemicals List is a list of existing and new chemicals that the Department of Environment and Natural Resources has determined to potentially pose unreasonable risk to public health, workplace, and the environment. *(DENR Administrative Order 2013-22)*

Primary Energy Products are resulting products of primary (energy) production. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Primary Production of Energy Products refers to capture or extraction of fuels or energy from natural energy flows, the biosphere, and natural reserves of fossil fuels within the national territory in a form suitable for use. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Private Vehicle A motor vehicle duly registered with LTO and allowed for private use only. *(Republic Act No. 4136 - An Act to Compile the Laws Relative to Land Transportation and Traffic Rules, to Create a Land Transportation Commission and for Other Purposes)*

Probable Ore Reserve is the economically mineable part of an indicated and in some circumstances a measured mineral resource. It includes diluting materials and allowances for losses, which may occur when the material is mined. (*DENR Administrative Order 2010-21*)

Production is the quantity produced and actually harvested for a particular crop during the reference period. It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, and reserved. Excluded are those produced but not harvested due to low price, lack of demand, and force majeure or fortuitous events. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Production of Energy Products refers to capture, extraction, or manufacture of fuels or energy in forms that are ready for general use. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Protected Area refers to identified portions of land and water set aside by reason of their unique physical and biological significance, managed to enhance biological diversity and protected against destructive human exploitation. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Protected Landscapes and Seascapes are areas of national significance that are characterized by the harmonious interaction of man and land while providing opportunities for public enjoyment through the recreation and tourism within the normal lifestyle and economic activity of these areas. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Proven Ore Reserve is the economically mineable part of a measured mineral resource. It includes diluting materials and allowances for losses, which may occur when the material is mined. (*DENR Administrative Order 2010-21*)

Pteridophyte is a vascular plant which reproduces by spores; the ferns and fern allies. *(Flora Base, The Western Australian Flora Glossary of Botanical Terms Online)*

Rainfall is a term sometimes synonymous with rain, but mostly used in reference to amounts of precipitation which includes snow, hail, etc. {Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) Meteorological Terms Online}

Rainfed Palay is a palay crop that depends solely upon rainfall for its water supply. It is usually planted through transplanting or direct seeding in fields with dikes that retain water. There may be dikes in the field to hold water in the case of lowland-rainfed, or none in the case of upland palay. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Reactive refers to substances that are unstable under normal conditions and readily undergo violent change without detonating, react violently with water and create spontaneously explosive mixtures like toxic gases, vapors, or fumes, and are capable of detonating. *(DENR Administrative Order 2013-22)*

Registered Motor Vehicles are all motor vehicles and trailers of any type used or operated on or upon any highway of the Philippines that were properly registered for the current year in accordance with the provisions under Republic Act No. 4136. *(Republic Act No. 4136 - An Act to Compile the Laws Relative to Land Transportation and Traffic Rules, to Create a Land Transportation Commission and for Other Purposes)*

Relative Humidity is the ratio of the actual vapor pressure to the vapor pressure corresponding to saturation at the prevailing temperature, or simply the percentage of saturation. *(PAGASA Meteorological Terms Online)*

Renewable energy is captured from sources that replenish themselves. It includes solar (photovoltaic and thermal), hydroelectric, geothermal, tidal action, wave action, marine (non-tidal currents, temperature differences and salinity gradients), wind and biomass energy, all of which are naturally replenished, although their flow may be limited. *(FDES Glossary, 2013)*

Renewable Energy Resources are energy resources that do not have an upper limit on the total quantity to be used. Such resources are renewable on a regular basis, and whose renewal rate is relatively rapid to consider availability over an indefinite period of time. These include, among others, biomass, solar, wind, geothermal, ocean energy, and hydropower conforming with internationally accepted norms and standards on dams and other emerging renewable energy technologies. *(RA No. 9513 "An Act Promoting the*

Development, Utilization and Commercialization of Renewable Energy Resources and for Other Purposes")

Reptile refers to any of the various cold-blooded, air breathing vertebrates of the class *Reptilia*, such as snakes, lizards, crocodiles, turtles, and the like, which have scales or horny plates as external covering. *(DENR Administrative Order 2009-01)*

Resident refers to breed or suspected of breeding in the Philippines normally living there throughout the year. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

Residuals are flows of solid, liquid and gaseous materials, and energy, that are discarded, discharged or emitted by establishments and households through the processes of production, consumption or accumulation. *(FDES Glossary, 2013)*

Resource Management Activities are activities whose primary purpose is preserving and maintaining the stock of natural resources hence, safeguarding against depletion. These activities include, but are not limited to, reducing the withdrawals of natural resources (including the recovery, reuse, recycling and substitution of natural resources), restoring natural resource stocks (increases or recharges of natural resource stocks), the general management of natural resources (including monitoring, control, surveillance, and data collection), and the production of goods and services used to manage or conserve natural resources. They cover the management of mineral and energy resources, timber resources, aquatic resources, other biological resources, water resources, research and development activities for resource management, and other resource management activities. *(UN Framework for the Development of Environment Statistics 2013)*

Resource Reserve is an extensive and relatively isolated and uninhabited area normally with difficult access designated as such to protect natural resources of the area for future use and prevent or contain development activities that could affect the resource pending the establishment of objectives that are based upon appropriate knowledge and planning. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Rice Fish Culture is an integrated farming system that involves raising of fish in rice paddies. *(Fisheries Statistics of the Philippines 2010-2012 Technical Notes)*

Root Crops are crops with well-developed underground edible roots. They are classified into tubers and roots. Roots are more starchy and rich in carbohydrates and include gabi, ubi, and white potato. Tubers include beets, radish, carrots, and turnips. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Rotavirus are wheel-shaped ("rota-") viruses that cause intestinal illnesses and are the most common cause of severe diarrhea among infants and children. The virus may be found in water sources such as private wells that have been contaminated with the feces from infected humans. (Rotavirus and Drinking Water from Private Wells, Centers for Disease Control and Prevention)

Rotavirus Case Definition

Suspect:

- Any child who is less than 5 years of age and is currently undergoing treatment for acute diarrhea in any participating sentinel hospital.

More Specifically:

- A child < 5 years of age includes children aged 0 to 4 years, 11 months and 29 days;

- "Undergoes treatment" means that the child has received intravenous (IV) rehydration therapy while undergoing observation in the Emergency Room or has admitted in the hospital ward for acute diarrhea;

- Acute diarrhea is defined as the passage of three or more loose or watery stools within a 24-hour period for <14 days;

- A participating hospital is one of the sentinel hospitals sites for rotavirus surveillance.

Confirmed:

- A suspect case that has been laboratory-confirmed as Rotavirus.

(Public Health Surveillance Division, Epidemiology Bureau, Department of Health)

Sanitary Landfill is a waste disposal site designed, constructed, operated, and maintained in a manner that exerts engineering control over significant potential environment impacts arising from the development and operation of the facility. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Scientific Name refers to the formal nomenclature/name of specific plants and animals. *(BMB 2003 Statistics on Philippine Protected Areas and Wildlife Resources)*

Seafarm Reservoirs refers to small bodies of water with an area of less than 10 kilometres such as small ponds, canals, irrigation canals, and swamps, which can be suitable for culture-based fisheries. *(Fisheries Statistics of the Philippines 2010-2012 Technical Notes)*

Seawater Environment (also, Marine Water Environment) refers to inshore and open waters and inland seas in which salinity generally exceeds 20%. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Seaweed Farming is the cultivation of seaweed in suitable water areas by any method with appropriate intensive care for production in commercial quantities. *(Fisheries Statistics of the Philippines 2010-2012 Technical Notes)*

Secondary Production of Energy Products refers to manufacture of energy products through the process of transformation of primary fuels or energy. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Shrubland is a land where the dominant woody vegetation are shrubs, which are generally more than 0.5 meter and less than five meters in height in maturity and without a definite crown. The growth habit can be erect, spreading or prostate. The height limits for trees and shrubs should be interpreted with flexibility, particularly the minimum tree and maximum shrub height, which may vary between five and seven meters approximately. *(DENR Memorandum Circular 2005-05)*

Soil provides the physical base to support the production and cycling of biological resources, provides the foundation for buildings and infrastructure, constitutes the source of nutrients and water for agriculture and forestry systems, provides a habitat for diverse organisms, plays an essential role in carbon sequestration and fulfils a complex buffering role against environmental variability, ranging from dampening diurnal and seasonal change in temperature and water supply to the storage and binding of a range of chemical and biological agents. The main environmental concerns about soil pertain to its degradation through soil erosion or nutrient depletion, among other processes. *(FDES Glossary, 2013)*

Soil resources comprise the top layers (horizons) of soil that form a biological system. *(FDES Glossary, 2013)*

Soil Taxonomy is the classification and naming of soils. *(Plant and Soil Sciences eLibrary–Soil Classification and Geography Glossary)*

Solar Energy is energy derived from solar radiation that can be converted into useful thermal or electrical energy. *(RA No. 9513 "An Act Promoting the Development, Utilization and Commercialization of Renewable Energy Resources and for Other Purposes")*

Solid Waste Management Facility refers to any resource recovery system or component thereof; any system, program, or facility for resource conservation; any facility for the collection, source separation, storage, transportation, transfer, processing, treatment, or disposal of solid waste. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Solid Waste is all discarded household, commercial waste, non hazardous institutional and industrial waste, street sweepings, construction debris, agricultural waste, and other nonhazardous and nontoxic solid waste. *(RA No. 9003 "Ecological Solid Waste Management Act of 2000")*

Special Wastes refers to household hazardous wastes such as paints, thinners, household batteries, lead-acid batteries, spray canisters, and the like. These include wastes from residential and commercial sources that comprise bulky wastes, consumer electronics, white goods, yard wastes that are collected separately, batteries, oil, and tires. These are usually handled separately from other residential and commercial wastes. *(DENR Administrative Order 2013-22)*

Species refers to the smallest population, which is permanently distinct and distinguishable from all others. It is a primary taxonomic unit. *(DENR Administrative Order 2007-01)*

Stationary Source refers to any building or immobile structure, facility, or installation that emits or may emit any air pollutant. *(RA No. 8749 "An Act Providing for a Comprehensive Air Pollution Control Policy and for other Purposes")*

Stock Changes of Energy Products refers to quantities of energy products that can be held and used to maintain service under conditions where supply and demand are variable in their timing or amount due to normal market fluctuations; and to supplement supply in the case of a supply disruption. These are also defined as the increase (stock build) or decrease (stock draw) in the quantity of stock over the reporting period and are calculated as the difference between the closing and opening stocks. (*UNSD International Recommendations for Energy Statistics Draft Version 2011*)

Stocks of non-renewable energy resources is the amount of known deposits of mineral energy resources.

Stocks of mineral resources is the amount of known deposits of non-metallic and metallic mineral resources.

Strict nature reserve/ wilderness area is a protected area managed mainly for science or wilderness protection. These areas possess some outstanding ecosystems, features and/or species of flora and fauna of national scientific importance, or they are representative of particular natural areas. They often contain fragile ecosystems or life forms, areas of important biological or geological diversity, or areas of particular importance to the conservation of genetic resources. Public access is generally not permitted. Natural processes are allowed to take place in the absence of any direct human interference, tourism and recreation. Ecological processes may include natural acts that alter the ecological system or physiographic features, such as naturally occurring fires, natural succession, insect or disease outbreaks, storms, earthquakes and the like, but necessarily excluding man-induced disturbances. *(Global Forest Resources Assessment, FAO 2000)*

Sulphur Dioxide (chemical formula: SO_2) is a heavy, pungent, colorless gas formed primarily by the combustion of fossil fuels. It is harmful to human beings and vegetation, and contributes to the acidity in precipitation. *(UN Environment Glossary Updated Web Version 2001)*

Surface Water refers to all water, which is open to the atmosphere and subject to surface runoff. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Suspended Particulate Matter (SPM) are finely divided solids or liquids that may be dispersed through the air from combustion processes, industrial activities or natural sources. *(UN Glossary of Environment Statistics Updated Web Version 2001)*

Sustainable Yield is the surplus or excess of animals or plants that may be removed from a population without affecting the capacity of the population to regenerate itself. (*UN System of Environmental-Economic Accounting 2012 Central Framework*)

Taxonomy (Taxonomic Group) is the classification of animals and plants based upon natural relationships. *(Convention on Biological Diversity Glossary)*

Technological Disaster is an event that resulted from human intent, negligence, or error, or from faulty or failed technological application. *(UN Framework for the Development of Environment Statistics 2013).*

Temperature is the degree of hotness or coldness of an object. The temperature of an object, usually measured in degrees-Fahrenheit or degrees-Celsius, tells us how much heat, or energy, the object has. *(National Geographic Resource Library Encyclopedia Online)*

Threatened Species is a general term used to denote species or subspecies considered as critically endangered, endangered, vulnerable, or other accepted categories of wildlife whose population is at risk of extinction. *(RA No. 9147 "An Act Providing for the Conservation and Protection of Wildlife Resources and Their Habitats, Appropriating Funds Therefor and For Other Purposes")*

Timber Resources refers to the volume of trees, living and dead, which can still be used for timber or fuel. This includes all trees regardless of diameter or tops of stems. The general proxy that should be considered for determining the volume of timber resources is the volume that is commercially usable. *(UN Framework for the Development of Environment Statistics 2013)*

Toxic refers to substances that when inhaled or ingested or if it penetrates the skin may involve acute or chronic health risks, such as carcinogenicity, mutagenicity, or teratogenicity in human or other life forms. *(DENR Administrative Order 2013-22)*

Toxic Pollutants are materials that contaminate the environment, which cause death, disease and birth defects in the organisms that ingest or absorb them. The quantities and length of exposure necessary to cause these effects can vary widely. *(UN Environment Glossary Updated Web Version 2001)*

Toxicity Characteristics Leaching Procedure is the procedure used to simulate the leaching that a waste will undergo if disposed of in a sanitary landfill. It is applicable to liquid, solid, and multiphase media. *(DENR Administrative Order 2013-22)*

Treatment, Storage, and Disposal Facilities are the facilities where hazardous wastes are transported, stored, treated, recycled, reprocessed, or disposed of. *(DENR Administrative Order 2013-22)*

Typhoid fever is an infectious disease which is also known as enteric fever or just typhoid. It is caused by bacteria known as Salmonella typhi. It spreads through contaminated food and water or through close contact with someone who is infected. Signs and symptoms include high- and low-grade fever for several days, headache, weakness, loss of appetite, either diarrhea or constipation, and abdominal discomfort. *(Water-Borne Diseases Advisory, 29 July 2017, Department of Health)*

Use of Water for Domestic Purposes refers to the utilization of water for drinking, washing, bathing, cooking, or other household needs, home gardens, and watering of lawns or domestic animals. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Use of Water for Fisheries refers to the utilization of water for the propagation of culture of fish as a commercial enterprise. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Use of Water for Industrial Purposes refers to the utilization of water in factories, industrial plants, and mines, including the use of water as an ingredient of a finished product. (*RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"*)

Use of Water for Irrigation refers to the utilization of water for producing agricultural crops. (*RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"*)

Use of Water for Livestock Raising refers to the utilization of water for large herds or flocks of animals raised as a commercial enterprise. (*RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"*)

Use of Water for Municipal Purposes refers to the utilization of water for supplying water requirements of the community. (*RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"*)

Use of Water for Power Generation refers to the utilization of water for producing electrical or mechanical power. (*RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"*)

Use of Water for Recreational Purposes refers to the utilization of water for swimming pools, bath houses, boating, water skiing, golf courses, and other similar facilities in resorts and other places of recreation. (*RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"*)

Value of Crop Production is derived by multiplying the volume of production by the producer or farmgate price. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Vascular Plants are plants containing specialized vascular tissue (xylem and phloem) which are more highly evolved than such bryophytes as mosses and liverworts. Vascular plants include ferns, gymnosperms, and angiosperms. *(USDA NAL Thesaurus and Glossary)*

Vector Borne Diseases are transmitted by vectors (e.g., insects and arachnids) that carry viruses, bacteria, protozoa and other pathogens, as defined by the World Health Organization. Common vector borne diseases include but are not limited to malaria, dengue fever, yellow fever, and Lyme disease. *(UN Framework for the Development of Environment Statistics 2013)*

Vector-borne diseases are human illnesses caused by parasites, viruses and bacteria that are transmitted by vectors. Vectors are living organisms that can transmit infectious pathogens between humans, or from animals to humans. Many of these vectors are bloodsucking insects, which ingest disease-producing microorganisms during a blood meal from an infected host (human or animal) and later transmit it into a new host, after the pathogen has replicated. Often, once a vector becomes infectious, they are capable of transmitting the pathogen for the rest of their life during each subsequent bite/blood meal. *(World Health Organization)*

Viral Hepatitis is one of the oldest diseases known to humankind, is an infectious disease and caused by Hepatitis A virus (HAV). The most common mode of transmission is ingestion of food contaminated with human waste and urine of persons who have Hepatitis A. Its symptoms usually include fever, flu-like symptoms such as weakness, muscle and joint aches, loss of appetite and dizziness. Other symptoms may be so mild that they go unnoticed. *(Water-Borne Diseases Advisory, 29 July 2017, Department of Health)*

Volatile Organic Compounds are organic chemical compounds that evaporate readily and contribute to air pollution mainly through the production of photochemical oxidants. *(UN Environment Glossary Updated Web Version 2001)*

Volume of Crop Production is expressed in million metric tons. It is the average production per hectare or yield expressed in metric tons. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Volume of Fisheries Production (Commercial, Municipal, and Aquaculture) is the quantity of fish catch, harvested/produced expressed in metric tons. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Vulnerable Species refers to species or subspecies that are not critically endangered or endangered but are under threat from adverse factors throughout their range and are likely to move to the endangered category in the near future. *(RA No. 9147 "An Act Providing for the Conservation and Protection of Wildlife Resources and Their Habitats, Appropriating Funds Therefor and For Other Purposes")*

Waste refers to any material either solid, liquid, semisolid, contained gas or other forms resulting from industrial, commercial, mining, or agricultural operations, or from community and household activities that are devoid of usage and discarded. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Waste Collection is the collection and transport of waste to the place of treatment or discharge by municipal services or similar institutions, or by public or private corporations, specialized enterprises, or general government. Collection of municipal waste may be selective, that is to say, carried out for a specific type of product, or undifferentiated, in other words, covering all kinds of waste at the same time. *(UN Environment Glossary Updated Web Version 2001)*

Waste Management includes collection, transport, treatment, and disposal of waste; control, monitoring, and regulation of the production, collection, transport, treatment, and disposal of waste; and prevention of waste production through in-process modifications, reuse, and recycling. *(UN Environment Glossary Updated Web Version 2001)*

Wastewater refers to waste in a liquid state that contains pollutants. It also refers to used water that is typically discharged into the sewage system and contains matter and bacteria in solution or suspension. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes"; UN Glossary of Environment Statistics)*

Water Abstraction is the removal of water from any source, either permanently or temporarily. Mine Water and drainage water are included. Water abstractions from groundwater resources are defined as the difference between the total amount of water withdrawn from aquifers and the total amount charged artificially or injected into aquifers. *(UN Environment Glossary Updated Web Version 2001)*

Water Body refers to both natural and man-made bodies of fresh, brackish, and saline waters, and includes but is not limited to aquifers, groundwater, springs, creeks, streams, rivers, ponds, lagoons, water reservoirs, lakes, bays, estuarine, and coastal and marine waters. These do not refer to those constructed, developed, and used purposely as water treatment facilities and or water storage for recycling and reuse that are integral to process industry or manufacturing. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Water-borne diseases are diseases transmitted through water contaminated with human or animal waste. These include typhoid fever, paratyphoid fever, acute bloody diarrhea, cholera, rotavirus, leptospirosis, and hepatitis A. (*Water-Borne Diseases Advisory, 29 July 2017, Department of Health)*

Water Pollution is any alteration of the physical, chemical, biological, or radiological properties of a water body resulting in the impairment of its purity or quality. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Water Quality is the set of characteristics of water, which defines its use in terms of physical, chemical, biological, bacteriological, or radiological characteristics by which the acceptability of water is evaluated. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and for Other Purposes")*

Water Quality Criteria define specific levels of water quality desired for identified uses, including drinking, recreation, farming, fish production, propagation of other aquatic life, and agricultural and industrial processes. (*UN Environment Glossary Updated Web Version 2001*)

Water Quality Guideline is the level for a water constituent or numerical values of physical, chemical, biological, and bacteriological or radiological parameters, which are used to classify water resources and their use, which does not result in significant health risk and which are not intended for direct enforcement but only for water quality management purposes, such as determining time trends, evaluating stages of deterioration, or enhancing the water quality, and as basis for taking positive action in preventing, controlling, or abating water pollution. *(RA No. 9275 "An Act Providing for a Comprehensive Water Quality Management and For Other Purposes")*

Water-related Diseases and Conditions result from microorganisms in the water humans drink as defined by the World Health Organization. They include but are not limited to diarrheal disease, gastroenteritis, and water borne parasite infections. *(UN Framework for the Development of Environment Statistics 2013)*

Water Resource is fresh and brackish water, regardless of its quality, in inland water bodies that include surface water, groundwater, and soil water. (*UN Framework for the Development of Environment Statistics 2013*)

Watershed is a land area drained by a stream or fixed body of water and its tributaries having a common outlet for surface-runoff. *(PD No. 1559 "Further Amending PD No. 705, Otherwise Known as the Revised Forestry Code of the Philippines")*

Watershed Reservation is a forest land reservation established to protect or improve the conditions of the water yield thereof or reduce sedimentation. *(PD No. 1559 "Further Amending PD No. 705, Otherwise Known as the Revised Forestry Code of the Philippines")*

Weather is a day-to-day or sometimes even instantaneous change of atmospheric conditions over a given place or area. In contrast, climate encompasses the statistical ensemble of all weather conditions during a long period of time over that place or area. Atmospheric conditions are measured by the meteorological parameters of air temperature, barometric pressure, wind velocity, humidity, clouds, and precipitation. (*UN Environment Glossary Updated Web Version 2001*)

White Corn is corn grown and used mainly for human consumption and for manufacture of corn byproducts such as cornstarch, corn oil, syrup, dextrins, glucose, and gluten. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

Wildlife Sanctuary comprises an area that assures the natural conditions necessary to protect nationally significant species, groups of species, biotic communities, or physical features of the environment where these may require specific human manipulation for perpetuation. *(RA No. 7586 "An Act Providing for the Establishment and Management of National Integrated Protected Areas System, Defining Its Scope and Coverage, and For Other Purposes")*

Wind Energy is energy that can be derived from wind that is converted into useful electrical or mechanical energy. *(RA No. 9513 "An Act Promoting the Development, Utilization and Commercialization of Renewable Energy Resources and for Other Purposes")*

Wild Fauna are undomesticated animals living independently of humans. *{Information on Multilateral Environmental Agreements (MEA) Glossary of Terms Online}*

Wild Flora are plants growing in a natural state (independent of humans, therefore not cultivated). *(Information on MEA Glossary of Terms Online)*

Wild Species are organisms captive or living in the wild that have not been subject to breeding to alter them from their native state. *(Convention on Biological Diversity Glossary)*

Wooded Grassland is an area predominantly vegetated with grasses, such as *Imperata*, *Themeda*, and *Saccharum*, and where trees cover between 5% to 10% of the area and their height may reach five meters at maturity. *(DENR Memorandum Circular 2005-05)*

Yellow Corn is corn mainly used as feed grains and includes corn types other than the white variety. (*PSA-Bureau of Agricultural Statistics Glossary of Terms online*)

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