

Philippines - Quarterly Commercial Fisheries Survey (Traditional Landing Centers) 2009

Bureau of Agricultural Statistics (BAS)

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Overview

Identification

ID NUMBER

PHL_2009_QCFS_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

Commercial fisheries is one of the three (3) sectors of fisheries, the others being Municipal fisheries and Aquaculture. Data on commercial fisheries are collected in fish landing centers where fishermen unload and trade their catch. There are three (3) types of commercial fish landing centers, namely: the traditional, those managed by Philippine Fish Development Authority (PFDA) and Local Government Units (LGUs) and privately-owned landing centers.

The two types of survey conducted in traditional commercial fish landing centers are the monthly or probability survey, and the quarterly or non-probability survey. For monthly surveys, Contractual Data Collectors (CDCs) are hired to do the actual interview of fishermen unloading at the sample fish landing centers. In the absence of adequate funds intended for the payment of wages for CDCs, quarterly surveys are conducted by the regular staff in the Provincial Operations Centers (POCs).

The Quarterly Commercial Fisheries Survey (Traditional Landing Centers) is a survey on volume and price of fish unloaded at sample commercial fish landing centers by fishing boats with gross tonnage of more than three (3) tons. The general objective of the survey is to generate information on the quarterly volume and value of fish unloadings by species at the provincial, regional and national levels. Data are collected through personal interview of at least three (3) key informants knowledgeable on the fishing activities at the sample fish landing center. Key informants may be a fisherman, fishing boat operator, fish trader, fish broker, or barangay official.

Data on monthly volume and price of fish unloaded at the landing centers are gathered on the last week of the last month of the reference quarter.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

Enterprises

Scope

NOTES

The scope of the Quarterly Commercial Fisheries Survey in traditional fish landing centers include:

1. Quarter and Year (Reference quarter for the current year)
2. General information (Region and province)
3. Landing Center (Complete name and stratum or classification of the sample fish landing center)
4. Respondent information
5. Unloaded species (Monthly volume of fish unloaded by species during the reference quarter)
6. Price (Monthly price per kilogram of species unloaded in the landing center during the reference quarter)
7. Reasons for change in volume of unloading species

TOPICS

Topic	Vocabulary	URI
Fisheries		

Coverage

GEOGRAPHIC COVERAGE

National Coverage

UNIVERSE

All traditional commercial fish landing centers

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Bureau of Agricultural Statistics (BAS)	Department of Agriculture (DA)

FUNDING

Name	Abbreviation	Role
Bureau of Fisheries and Aquatic Resources	BFAR	Donor

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
de Ocampo, Estela C.	ECO	Bureau of Agricultural Statistics	Documentation of the study
Adriano, Reinelda P.	RPA	Bureau of Agricultural Statistics	Documentation of the study
Evangelista, Maria Clarinda M.	MCME	Bureau of Agricultural Statistics	Documentation of the study

DDI DOCUMENT VERSION

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Sampling

Sampling Procedure

The sampling frame used for Quarterly Commercial Fisheries Survey of traditional landing centers is the list of landing centers by province.

The quarterly survey in traditional landing centers uses stratified random sampling with the province as the domain. The volume of unloadings is the variable used in the stratification of the fish landing centers into three (3) groups, namely;

1. Stratum 1 - the top producing fish landing centers
2. Stratum 2 - the major producing fish landing centers
3. Stratum 3 - all other fish landing centers

The total number of traditional commercial fish landing centers in 2009 was 381. Simple random sampling is used in drawing the sample landing centers from the stratum.

Allocation of number of sample fish landing centers is based on the distribution of volume of unloadings in the province. Number of samples by stratum was as follows:

1. Stratum 1 - 100 out of 117
2. Stratum 2 - 73 out of 160
3. Stratum 3 - 27 out of 104

Replacement of sample landing center is allowed for landing centers with unstable peace and order situation and for hard or difficult to reach areas.

Response Rate

Response rate for quarterly commercial fisheries survey is 100%.

Weighting

A factor derived from the total number of sample fish landing centers over the number of sample fish landing centers by stratum is used to estimate the total volume of fish landed by commercial fishing boats in the province. This factor varies from one province to another.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2009-03-20	2009-03-31	First Quarter
2009-06-20	2009-06-30	Second Quarter
2009-09-20	2009-09-30	Third Quarter
2009-12-15	2009-12-20	Fourth Quarter

Data Collection Mode

Face-to-face paper [f2f]

Data Processing

Data Editing

Manual editing of questionnaires at the provincial level was needed before the electronic data processing of survey returns.

Steps in data editing include the following:

- a) Completeness of data items in the questionnaires
- b) Correctness of unit of measurement used
- c) Coding and encoding
- d) Expansion factors used

Before the results are summarized, another series of consistency and completeness check was made during electronic data processing.

To facilitate the output generation of the quarterly survey results, the Commercial Fisheries Data Generation System (Datagen) has been developed. These are MS Excel 2003 worksheets linked together to achieve the purpose of fast generation of output tables. Entries from the collection forms are encoded in landing center worksheets of ComDataGen of the Provincial Data Generation Worksheets. These are compiled and summarized at the Regional Data Generation Worksheets.

Data Appraisal

Other forms of Data Appraisal

The quarterly survey of commercial fish catch was done through interviews of key informants and results of this process were subjected to validation. Additional information were gathered from interviews of people from government and non-government agencies and offices and other stakeholders in fisheries. Use of auxiliary information was also one way of validating data generated by the survey. Examples of these were the programs for the improvement of catch of fishermen by the Bureau of Fisheries and Aquatic Resources, record of weather disturbances and provinces affected, existing fishery laws, report or study on status of fishing grounds, etc. Comparing current estimates with the time series data was also one way of appraising survey results. Change in production is assessed if it reflects the real commercial fisheries situation in the province.