

THE QUARTERLY COMMERCIAL FISHERIES SURVEYS

A. INTRODUCTION

1. The Quarterly Commercial Fisheries Surveys (Traditional Landing Centers)

The Quarterly Commercial Fisheries Surveys (Traditional Landing Centers) is a survey on volume of fish unloadings and price of fish by species which is implemented in place of an every other day survey if there is no sufficient funding. The Provincial Operations Centersq staff visits the sample landing center and gathers data on a quarterly basis but with information on monthly fish unloadings.

2. The Quarterly Commercial Fisheries Surveys (PFDA, LGU and Privately Managed-Landing Centers)

Another activity is gathering of data from records of PFDA, LGU and privately managed landing centers. This is also done by the Provincial Operations Centersq staff on a quarterly basis but information for three months is gathered.

B. OBJECTIVES

The general objective of the surveys is to generate information on the monthly volume and value of fish unloadings by species at the provincial, regional and national levels.

The specific objectives are to generate statistics on the following:

- a. quantity of fish unloadings; and
- b. price per kilogram of fish unloadings by species;

C. METHODOLOGY

1. Sampling Frame

The sampling frames used for the Quarterly Commercial Fisheries Surveys are:

- a. the list of traditional landing centers by province updated from 2005 to 2007
- b. list of PFDA, LGU and Privately-managed landing centers from 2005 to 2007

The frames cover all regions of the Philippines except the Cordillera Administrative Region (CAR) but includes the National Capital Region (NCR).

2. Sampling Design

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;

- Stratum 1 . the top producing fish landing center in the province;
- Stratum 2 . the major producing fish landing centers; and,
- Stratum 3 . all the other fish landing centers.

The Quarterly Commercial Fisheries Survey in PFDA, LGU and Privately-managed landing centers is complete enumeration.

3. Sample size

For year 2009, there are 59 provinces with commercial fishing operations. The target sample size is 246 traditional landing centers proportionately distributed in the 59 provinces nationwide.

All PFDA, LGU and privately managed landing centers are completely covered.

4. Estimation Procedure

Estimate of fish unloadings in the province is obtained from:

a. the estimate from the quarterly survey in the traditional landing centers

$$\hat{Y}_{pt} = \sum_{j=1}^3 \frac{N}{n} \sum_{l=1}^3 \frac{Y_{ij}}{3}$$

Where:

\hat{Y}_{pt} = estimate of the volume of fish unloadings in the province from traditional landing centers

N = total number of landing centers in the i th stratum

n = number of sample landing centers in the i th stratum

Y_{ij} = volume of fish unloaded in the j th landing center in the i th stratum for the quarter.

b. data gathered from PFDA, LGU and privately managed landing centers

$$\hat{Y}_{po} = \sum_{i=1}^N Y_i$$

Where:

\hat{Y}_{po} = estimate of the volume of fish unloadings in the province from other landing centers (i.e, PFDA, LGU and privately managed landing centers)

N = total number of other landing centers

Y_i = volume of fish unloaded in the LGU, FDA or privately managed landing centers

Thus, the provincial estimate for the province is :

$$\hat{Y}_p = \hat{Y}_{pt} + \hat{Y}_{po}$$

Where:

\hat{Y}_p = estimate of total volume of unloadings in the province during the reference quarter

\hat{Y}_{pt} = estimate of the volume of fish unloadings in the province from the traditional landing centers during the reference quarter.

\hat{Y}_{po} = estimate of the volume of fish unloadings in the province from other landing centers (i.e, PFDA, LGU and Privately managed landing centers) during the reference quarter.

D. GENERAL REMINDERS

1. Conduct the survey in the sample traditional fish landing center on a quarterly basis but gather three (3) months information. Get data from all PFDA, LGU and privately managed landing centers.
2. At the landing center, find three (3) eligible respondents. Respondent could be a fisherman, trader or broker who knows the unloading activities in the sample landing center.

Inquiries should be made on the total unloadings for the entire landing center including those outside the usual/identified unloading time/s.

3. Submit narrative report on the important factors or unusual phenomenon affecting the volume of unloadings in the landing center as well as the problems encountered during the field operation.
4. Submit all accomplished survey forms and summary sheets to the Fisheries Statistics Division (FSD) after data encoding in the data generation system.

E. INSTRUCTIONS ON HOW TO ACCOMPLISH QUARTERLY COMMERCIAL FISHERIES SURVEY FORM 1 (QCFS Form1)

QUARTERLY COMMERCIAL FISHERIES SURVEY FORM 1 (QCFS Form1) – (Traditional Landing Centers) is a one (1) page listing sheet type of form. Please see Attachment 1.

One (1) form is intended for one (1) respondent and covers three (3) months data.

_____Quarter 20 ____ Write the reference quarter.

The upper left block of the form asks for information common to all the landing/unloading boats in the landing center.

Region

Write the region and enter the code in the boxes.

Province

Indicate the name of the province.

Landing Center

Write the complete name of the sample landing center.

Respondent Name

Write the complete name of the respondent

Type of Respondent

Enter the code of the type of respondent found at the left bottom part of the form.

Stratum or Landing Center Classification

Encircle code 1 if the sample landing center belongs to Stratum 1.
Encircle code 2 if the sample landing center belongs to Stratum 2.
Encircle code 3 if the sample landing center belongs to Stratum 3.

Column 1 - Species

Write under this column all kinds of species unloaded by fishing boats. If assorted, allocate all fish catch unloaded among the dominant species.

Column 2 - 4 Actual volume of fish unloadings at the fish landing center

Enter under this column the quantity in local unit of each species identified in Column 1 by month.

Column 5 - Average

This is computed by the processing system

Column 6-8 - Price per Kilogram

Enter under this column the price per local unit of species reported in kilograms by month.

Column 9 - Average

This is computed by the processing system

Others (Specify)

Specify other species unloaded at the landing center which are not identified in the list of 31 species.

Reasons for Change/Remarks

Indicate reasons for decrease or increase of unloadings compared to last year of the same quarter and other relevant observations in the landing center during the visit.

FOR THE POC STAFF:

POC STAFF - The signature of the staff indicated over the printed name

DATE - Write the date of data collection.

FOR THE SUPERVISOR:

PASO - The signature of the PASO indicated over the printed name

DATE - Write the date when the questionnaire was reviewed.

F. INSTRUCTIONS ON HOW TO ACCOMPLISH QUARTERLY COMMERCIAL FISHERIES SURVEY FORM 2 (QCFS Form2)

QUARTERLY COMMERCIAL FISHERIES SURVEY FORM 2 (QCFS Form2) – (PFDA, LGU and Privately-Managed Landing Centers) is a one (1) page listing sheet type of form. Please see Attachment 2.

One (1) form is intended for one (1) landing center and covers one (1) month information.

Month: Quarter 20 __ . This is the reference month, write the month when the data is gathered.

The upper left block asks for information common to all the landing/unloading boats in the landing center.

1. Region

Write the region and enter the code in the boxes.

2. Province

Indicate the name of the province.

3. Fish Port

Write the complete name of the fish port or landing center and check the appropriate classification whether PFDA, LGU-managed or Private .

4. Classification of Boat

Check the appropriate classification of the boat and indicate the fishing ground where the boat caught the unloaded fish catch.

Column 1 - Species

Write under this column all kinds of species unloaded by fishing boats. If assorted, allocate all fish catch unloaded among the dominant species.

Column 2 - 8 Fishing Gear

Indicate the gear name and the actual volume of fish unloadings at the fish landing center in kilogram.

Enter under this column the quantity in local unit of each species identified in Column 1 by month.

Column 8 – Total (kg)

Indicate the total volume by species in kilogram.

Column 9 - Price per Kilo

Enter under this column the price per local unit of species reported in kilograms.

Others (Specify)

Specify other species unloaded at the landing center which are not identified in the list of 31 species. Indicate the English name together with the local name.

Total

Indicate the total volume of unloadings by gear type.

Number of Boats by Gear

Indicate the total number of boats that unloaded in the landing center by gear type.

Note: Use additional sheet if necessary.

FOR THE POC STAFF:

POC STAFF - The signature of the staff indicated over the printed name

DATE - Write the date of data collection.

FOR THE SUPERVISOR:

PASO - The signature of the PASO indicated over the printed name

DATE - Write the date when the questionnaire was reviewed.

THANK YOU AND GOOD LUCK!