

SPECIAL RELEASE

Volume of Municipal Fisheries Production in Central Luzon First Quarter 2023

Date of Release:

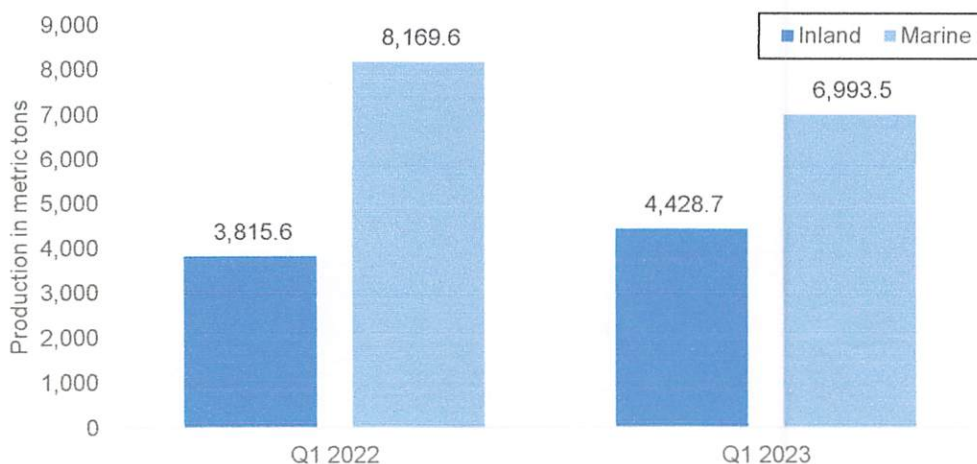
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Central Luzon's total volume of municipal fisheries production decreased by 4.7 percent in the first quarter of 2023

Central Luzon's total volume of municipal fisheries production was recorded at 11,422.3 metric tons in 2023. It registered decrease of 4.7 percent or 563.0 metric tons from its 2022 production.

Marine municipal fisheries production declined by 14.4 percent from the recorded 8,169.6 metric tons in 2022. On the other hand, inland fisheries increased by 16.1 percent from its 3,815.6 metric tons in 2022 to 4,428.7 metric tons in the first quarter of 2023. (Refer to Figure 1 and Table 1)

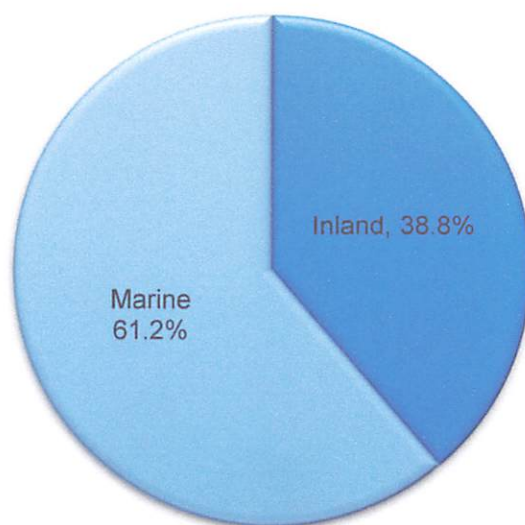
**Figure 1. Volume of Municipal Fisheries Production by Subsector
Central Luzon, First Quarter, 2023 and 2022**



Source: Philippine Statistics Authority

Marine municipal fisheries accounted more than half (61.2%) of the total municipal fisheries production while inland municipal fisheries comprised the remaining 38.8 percent. (Refer to Figure 2)

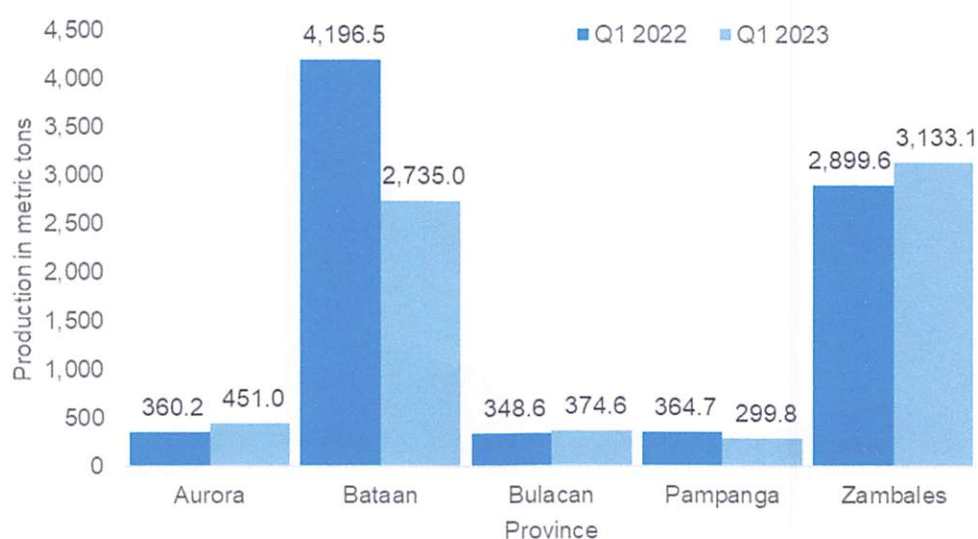
**Figure 2: Distribution of Municipal Fisheries Production by Subsector
Central Luzon, First Quarter 2023**



Source: Philippine Statistics Authority

The 14.4 percent decrease in total production of marine municipal fisheries in the region was attributed to the 34.8 percent and 17.78 percent decline in the provinces of Bataan and Pampanga, respectively. (Refer to Figure 3)

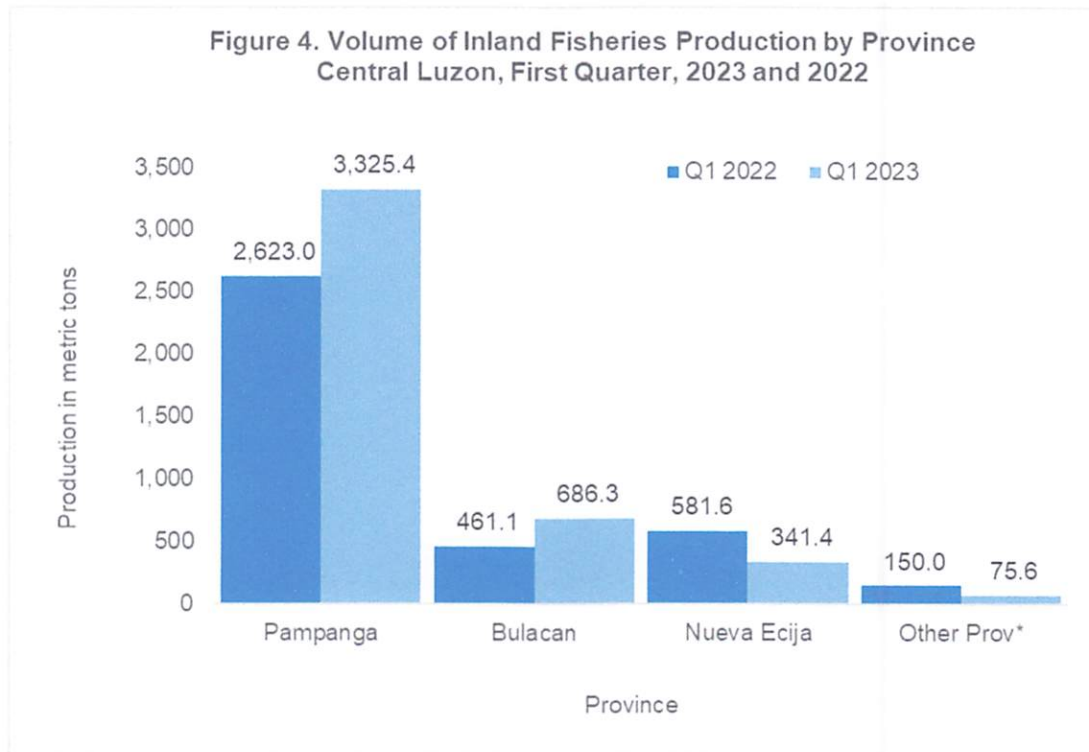
**Figure 3. Volume of Marine Fisheries Production by Province
Central Luzon, First Quarter, 2023 and 2022**



Source: Philippine Statistics Authority

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Pampanga, which contributed 75.1 percent of the total inland fisheries production in the region, increased by 26.78 percent from its 2,623.0 metric tons in 2022 to 3,325.4 metric tons in 2023. Likewise, Bulacan posted an increased in the inland fisheries production by 48.83 percent. On the other hand, all other provinces in Central Luzon posted a decreased in inland fisheries this quarter. (Refer to Figure 4)



*Other Prov – sum of the production in the provinces of Aurora, Bataan, Tarlac and Zambales
Source: Philippine Statistics Authority

In the first quarter of 2023, Squid recorded the highest share to Central Luzon's total production in marine municipal fisheries at 14.4 percent, followed by yellowfin tuna (12.7%) and skipjack (11.8%). Meanwhile, the top three major species in inland municipal fisheries were tilapia (20.6%), carp (14.5%) and gourami (9.1%). (Refer to Table 3 and 4)


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Statistical Tables

Table 1: Volume of Municipal Production by Subsector
Central Luzon, First Quarter 2023 and 2022
(Production in metric tons)

Subsector	Q1 2022	Q1 2023	Percent Change	Percent Share
Inland	3,815.6	4,428.7	16.1	38.8%
Marine	8,169.6	6,993.5	(14.4)	61.2%
Municipal	11,985.2	11,422.3	(4.7)	

Source: Philippine Statistics Authority

Table 2. Volume of Municipal Fisheries Production by Province and Subsector
Central Luzon, First Quarter 2023
(Production in metric tons)

Province	Marine	Inland
Aurora	451.0	18.2
Bataan	2,735.0	29.5
Bulacan	374.6	686.3
Nueva Ecija		341.4
Pampanga	299.8	3,325.4
Tarlac		7.2
Zambales	3,133.1	20.7

Source: Philippine Statistics Authority

Table 3. Volume of Marine Municipal Fisheries Production
Central Luzon, First Quarter 2023
(Production in metric tons)

Municipal Fisheries	Volume of Production	Percent Share	Rank
Central Luzon	6,993.5	100.0	
Acetes (Alamang)	744.2	10.6	4
Anchovies (Dilis)	157.0	2.2	8
Big-eyed scad (Matangbaka)	46.8	0.7	18
Bigeye tuna (Tambakol/ Bariles)	16.2	0.2	28
Blue crab (Alimasag)	694.3	9.9	5
Caesio (Dalagang-bukid)	21.7	0.3	26
Cavalla (Talakitok)	102.9	1.5	13
Crevalle (Salay-salay)	69.0	1.0	17
Eastern little tuna (Bonito)	74.1	1.1	15
Fimbriated sardines (Tunsoy)	147.6	2.1	10
Flying fish (Bolador)	179.6	2.6	7
Frigate tuna (Tulingan)	153.8	2.2	9
Goatfish (Saramulyete)	16.0	0.2	29
Grouper (Lapu-lapu)	33.3	0.5	20

Table 3. Concluded -- Volume of Marine Municipal Fisheries Production
Central Luzon, First Quarter 2023
(Production in metric tons)

Municipal Fisheries	Volume of Production	Percent Share	Rank
Hairtail (Espada)	27.5	0.4	24
Indian mackerel (Alumahan)	123.9	1.8	11
Bali sardinella (Tamban)	23.2	0.3	25
Indo-pacific mackerel (Hasa-hasa)	29.2	0.4	23
Mullet (Kapak)	277.5	4.0	6
Parrot fish (Loro)	10.5	0.1	30
Porgies (Pargo)	37.9	0.5	19
Round herring (Tulis)	4.1	0.1	31
Roundscad (Galunggong)	111.6	1.6	12
Siganid (Samaral)	18.6	0.3	27
Skipjack (Gulyasan)	826.5	11.8	3
Slipmouth (Sapsap)	72.7	1.0	16
Snapper (Maya-maya)	31.4	0.4	21
Spanish mackerel (Tanigue)	29.8	0.4	22
Squid (Pusit)	1,003.8	14.4	1
Threadfin bream (Bisugo)	96.2	1.4	14
Yellowfin tuna (Tambakol/Bariles)	887.3	12.7	2
Others	925.4	13.2	

Source: Philippine Statistics Authority

Table 4. Volume of Inland Municipal Fisheries Production
Central Luzon, First Quarter 2023
(Production in metric tons)

Municipal Fisheries	Volume of Production	Percent Share	Rank
Central Luzon	4,428.7	100.0	
FISH	3,596.9	81.2	
Carp	643.9	14.5	2
Catfish (Hito)	373.7	8.4	4
Catfish (Kanduli)	151.9	3.4	9
Climbing perch (Martiniko)	10.7	0.2	23
Eel (Igat)	101.3	2.3	14
Freshwater goby (Biya)	192.1	4.3	7
Gourami	402.9	9.1	3
Milkfish (Bangus)	169.5	3.8	8
Mudfish (Dalag)	251.2	5.7	6
Mullet (Kapak)	19.7	0.4	20
Mullet (Ludong)	8.3	..	
Sardines (Tawilis)	9.3	..	
Silver perch (Ayungin)	135.3	3.1	10
Spade fish (Kitang)	4.2	0.1	25

Table 4. Concluded -- Volume of Inland Municipal Fisheries Production
Central Luzon, First Quarter 2023
(Production in metric tons)

Municipal Fisheries	Volume of Production	Percent Share	Rank
Starry goby (Dulong)	11.1	..	
Tarpon (Buan Buan)	24.5	..	
Tilapia	912.0	20.6	1
Big head carp	86.8	2.0	17
Other fishes	88.5	2.0	15
CRUSTACEANS	811.5	18.3	
Blue crab (Alimasag)	282.0	6.4	5
Endeavor prawn (Suahe)	12.1	0.3	22
Freshwater crab (Talangka)	29.4	0.7	19
Freshwater shrimp (Hipon)	108.8	2.5	13
Lobster (Ulang)	120.4	2.7	12
Mud crab (Alimango)	129.0	2.9	11
Tiger prawn (Sugpo)	36.6	0.8	18
White shrimp (Hipong Puti)	87.9	2.0	16
Other crustaceans	5.5	0.1	24
MOLLUSCS	20.3	0.5	
Clams (Kabibi)	
Freshwater clams (Tulya)	1.2	0.0	27
Oyster (Talaba)	..		
Shell (Kuhol)	2.2	0.1	26
Snail (Suso)	16.9	0.4	21
Other molluscs	..		

Source: Philippine Statistics Authority

Note:

.. No data available

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Technical Notes

The Fisheries Production Survey of the Philippine Statistics Authority (PSA) is divided into four (4) major fisheries surveys. These are the Quarterly Commercial Fisheries Survey (QCFS), Quarterly Municipal Fisheries Survey (QMFS), Quarterly Inland Fisheries Survey (QIFS) and Quarterly Aquaculture Survey (QAqS).

The QMFS gathers information on the volume and price of species unloaded in the landing center. However, unlike QCFS, it covers fishing operations performed in marine waters within 15 kilometers from the shoreline using fishing vessels of three (3) gross tons or less, or fishing not requiring the use of fishing vessels. In Central Luzon, QMFS is conducted in Aurora, Bataan, Bulacan, Pampanga and Zambales.

The QIFS gathers information on volume and price of species caught by inland fishing household. Inland Fisheries covers fishing operations performed in inland bodies of water using fishing vessels of three (3) gross tons or less, or fishing not requiring the use of fishing vessels. QIFS is conducted in all provinces in Central Luzon.

Inland municipal fisheries included fishing activities in inland bodies of water such as lakes, rivers, dams, marshes, swamps, etc. The unit of enumeration for QIFS is the household engaged in inland fishing.

The sampling frame for QMFS was established in 2000 through a nationwide listing of landing centers (LCs). Updating of the lists was conducted over the years. It employed a two-stage stratified random sampling with the landing centers as the first-stage sampling units and the fishing boats as the second stage sampling units. The landing centers were stratified based on volume of fish unloaded. However, starting second quarter of 2022, the redesigned QMFS utilized the 2021 Listing of Marine Fish Landing Centers (LMFLC) as the sampling frame and new sample selection procedure. The province was the domain of the survey.

The reference and enumeration periods by survey round are as follows:

Quarterly Municipal Fisheries Survey

Survey Round	Reference Period	Enumeration Period
April (1 st Quarter)	January to March	Weekly
July (2 nd Quarter)	April to June	Weekly
October (3 rd Quarter)	July to September	Weekly
January (4 th Quarter)	October to December	Weekly

Quarterly Inland Fisheries Survey

Survey Round	Reference Period	Enumeration Period
April (1 st Quarter)	January to March	3 rd week of March
July (2 nd Quarter)	April to June	3 rd week of June
October (3 rd Quarter)	July to September	3 rd week of September
January (4 th Quarter)	October to December	3 rd week of November