



SPECIAL RELEASE

ILOCOS REGION'S FISHERIES PRODUCTION GROWS IN 4TH QUARTER 2019

(Results from the Fisheries Production Survey, 4th Quarter 2019)

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The overall fisheries production in Ilocos Region grew by 10.70percent in 4th quarter 2019. From the total output of 64,989 metric tons in 4thquarter 2018, it increased to 71,944 metric tons this year. All the provinces contributed to the overall growth of the fisheries sector in the region.

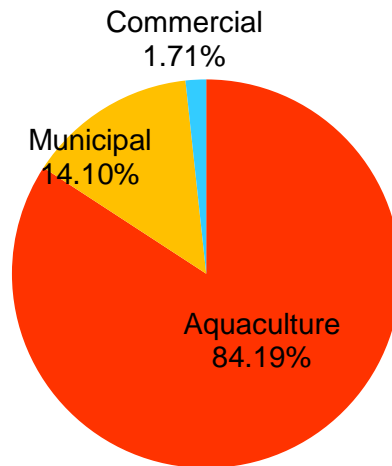
**Table 1. Volume of Fisheries Production by Province and Sector, Ilocos Region
 4thQuarter 2018 and 4thQuarter 2019**

Province	Production (in Metric Tons)		Percent Change
	4th Quarter 2019	4th Quarter 2018	
ILOCOS REGION	71,944	64,989	10.70
Ilocos Norte	1,881	1,654	13.72
Ilocos Sur	1,599	1,464	9.22
La Union	2,936	1,543	90.28
Pangasinan	65,528	60,327	8.62
COMMERCIAL	1,228	680	80.59
Ilocos Sur	60	52	15.38
La Union	302	196	54.08
Pangasinan	866	432	100.46
MUNICIPAL	10,143	9,933	2.11
Ilocos Norte	1,865	1,623	14.91
Ilocos Sur	1,412	1,302	8.45
La Union	1,929	748	157.89
Pangasinan	4,937	6,260	(21.13)
AQUACULTURE	60,572	54,376	11.39
Ilocos Norte	16	31	(48.39)
Ilocos Sur	127	111	14.41
La Union	704	599	17.53
Pangasinan	59,724	53,635	11.35

Source: Philippine Statistics Authority, 4th Quarter 2019 Fisheries Production Survey

Compared with their levels a year ago, all the fisheries subsectors registered higher production in 4th quarter 2019. The aquaculture subsector contributed 84.19percent to the total fisheries output. The municipal fisheries accounted for 14.10percent while the commercial subsector shared 1.71percent.

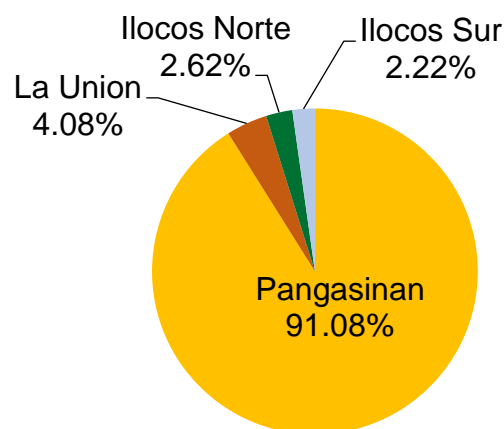
Figure 1. Percentage Contribution of Fisheries Subsectors to the Total Volume of Fisheries Production, Ilocos Region: 4thQuarter 2019



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

In terms of provincial distribution, the province of Pangasinan shared the bulk of production in the region with 91.08percent. The overall volume of production of the province was posted at 65,528metric tons, 8.62percent higher than its production in the same period of 2018. The commercial and aquaculture subsectors posted increases in output, while the municipal subsector output decreased.

Figure 2. Percentage Contribution by Province to the Total Volume of Fisheries Production, Ilocos Region: 4thQuarter 2019



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

La Union ranked second in terms of production during the period. It contributed 4.08 percent to the total volume of production in the region. Its fisheries output went up from 1,543 metric tons in 4th quarter 2018 to 2,936 metric tons in 4th quarter 2019. All its fisheries subsectors contributed to the overall output increment.

Ilocos Norte, which accounted for 2.62 percent of the total volume of production in the region in 4th quarter 2019, also recorded higher fisheries production in 4th quarter 2019 compared with its level in 4th quarter 2018. The output was registered at 1,881 metric tons, higher than its production a year ago of 1,654 metric tons. The increase in the production of the municipal subsector contributed to the positive growth in the fisheries output of the province.

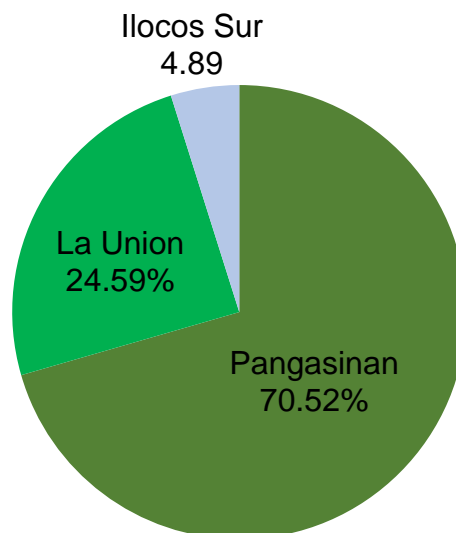
Ilocos Sur, which had the least percent share of 2.22 percent to the total fisheries production of Ilocos Region in 4th quarter 2019, recorded higher fisheries production compared with its level in the same period a year ago. From 1,464 metric tons production, it went up to 1,599 metric tons due to the improvement of output in all of its fisheries subsectors.

Commercial Fisheries

The commercial fisheries volume of production in Ilocos Region was posted at 1,228 metric tons in 4th quarter 2019. The output was higher than its level a year ago of 680 metric tons. All the provinces posted increases in output. The increased number of fishing boats, more fishing days, bigger sizes of catch, and presence of school of fish might contributed to the positive growth.

In terms of provincial shares, Pangasinan accounted for 70.52 percent of the region's commercial fisheries volume of production in 4th quarter 2019. La Union followed with 24.59 percent share, and Ilocos Sur with 4.89 percent share.

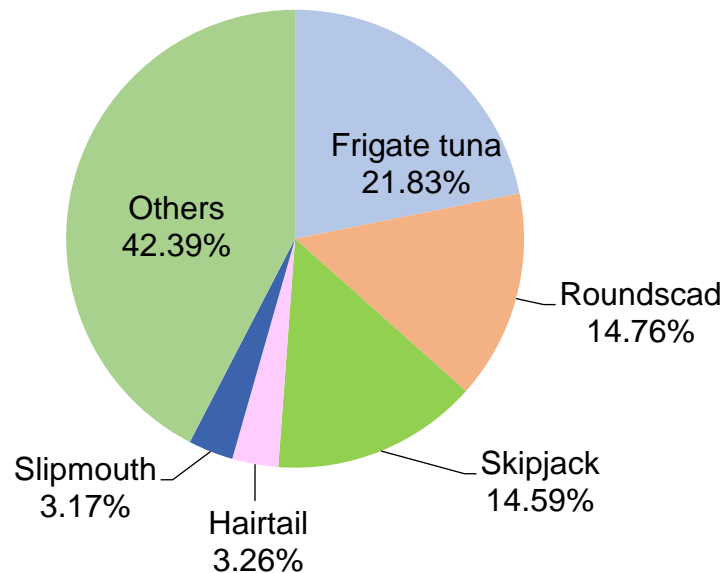
Figure 3. Percentage Contribution by Province to the Total Commercial Fisheries Volume of Production, Ilocos Region: 4th Quarter 2019



Source: Philippine Statistics Authority, 4th Quarter 2019 Fisheries Production Survey

The top five major catch in the region during the quarter were Frigate tuna, Roundscad, Skipjack, Hairtail, and Slipmouth.

Figure 4. Percentage Contribution of Top Species to the Total Commercial Fisheries Volume of Production, Ilocos Region: 4thQuarter 2019



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

Municipal Fisheries

The overall municipal fisheries production in Ilocos Region went up by 2.11percent in 4thquarter 2019. The production was posted at 10,143metric tons, higher than its output in 4th quarter 2018 of 9,933 metric tons. Both the marine and inland municipal fisheries recorded higher production.

Marine Municipal

Production of Marine Municipal Fisheries in Ilocos Region increased in 4th quarter 2019. Its output was posted at 9,411 metric tons, higher than the output in 4th quarter 2018 of 9,391 metric tons. Ilocos Norte and La Union contributed to the overall increment in output. Increased number of boats and fishing operations, bigger sizes of catch, and presence of school of fish were the factors that affected the increase.

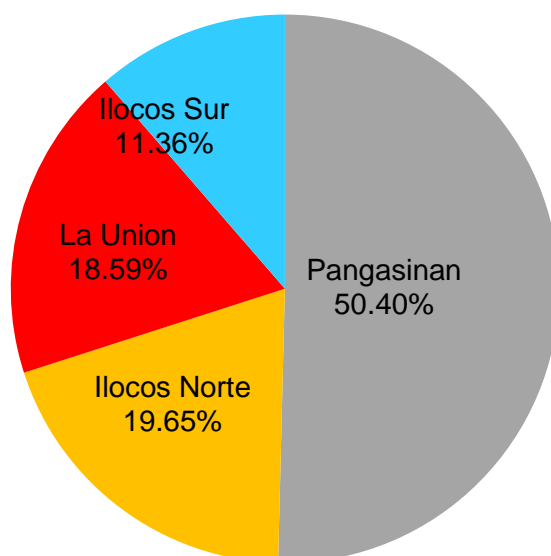
**Table 2. Volume of Marine Municipal Fisheries Production by Province
Ilocos Region: 4thQuarter 2018 and 4thQuarter 2019**

Province	Production (in Metric Tons)		Percent
	4 th Quarter 2019	4 th Quarter 2018	Change
Ilocos Region	9,411	9,391	0.21
Ilocos Norte	1,849	1,582	16.88
Ilocos Sur	1,069	1,119	(4.47)
La Union	1,750	697	151.08
Pangasinan	4,743	5,993	(20.86)

Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

The province of Pangasinan contributed 50.40percent to the region’s marine municipal fish catch in 4thquarter 2019, followed by Ilocos Norte with19.65 percent share, La Union with 18.59percent share, and Ilocos Sur with 11.36 percent share.

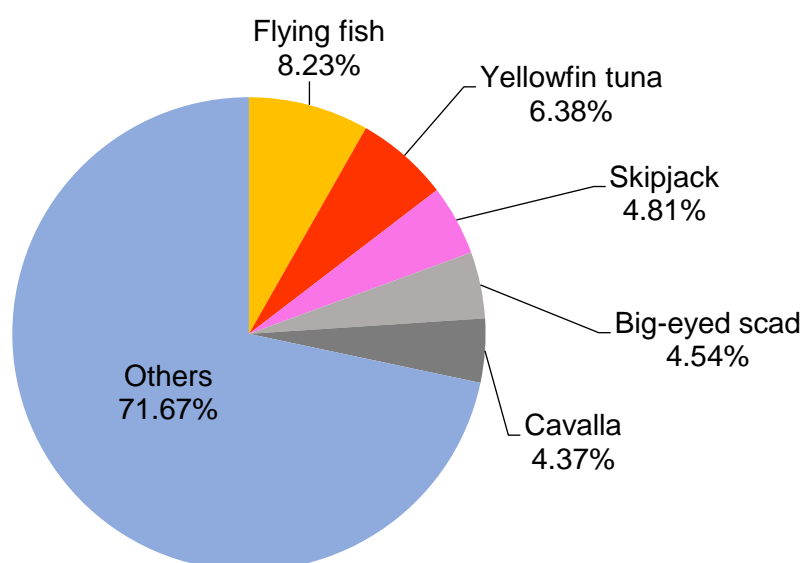
**Figure 5. Percentage Distribution of Marine Municipal Fisheries Production
by Province, Ilocos Region: 4thQuarter 2019**



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

The dominant catch in marine municipal fisheries of Ilocos Region during the period were Flying fish, Yellowfin tuna, Skipjack, Big-eyed scad, and Cavalla.

Figure 6. Percentage Contribution of Top Species to the Total Marine Municipal Fisheries Volume of Production, Ilocos Region: 4thQuarter 2019



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

Inland Municipal Fisheries

Production of Inland Municipal Fisheries in Ilocos Region grew in 4thquarter 2019. From the output of 541 metric tons in the same period of 2018, it went up to 734 metric tons in 4th quarter 2019. The provinces of Ilocos Sur and La Union registered positive growth in output. Increased fishing days due to increased demand and favorable water level, coupled with appearance of bigger sizes, contributed to the increment in production.

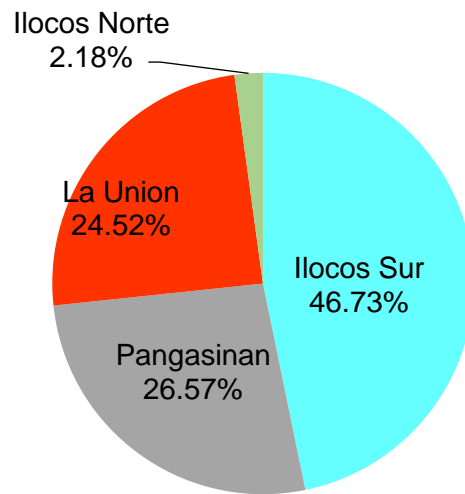
Table 3. Volume of Inland Municipal Fisheries Production by Province Ilocos Region: 4thQuarter 2018 and 4thQuarter 2019

Province	Production (MT)		Percent Change
	4th Quarter 2019	4th Quarter 2018	
Ilocos Region	734	541	35.67
Ilocos Norte	16	40	(60.00)
Ilocos Sur	343	183	87.43
La Union	180	51	252.94
Pangasinan	195	267	(26.97)

Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

In terms of provincial distribution, Ilocos Sur ranked first in the volume of production of Inland municipal fisheries during the 4thquarter 2019 with 46.73 percent share. Pangasinan followed with 26.57 percent share, La Union with 24.52 percent, and Ilocos Norte with 2.18 percent.

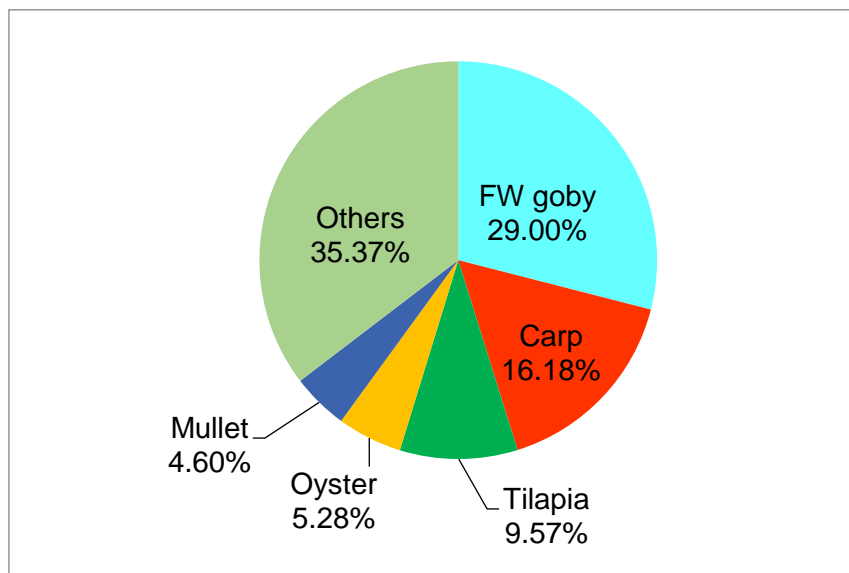
Figure 7. Percentage Distribution of Inland Municipal Fisheries Volume of Production by Province, Ilocos Region: 4thQuarter 2019



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

The top five major catch in the region during the period were Freshwater goby, Carp, Tilapia, Oyster and Mullet.

Figure 8. Percentage Contribution of Top Species to the Total Inland Municipal Fisheries Volume of Production, Ilocos Region: 4thQuarter 2019

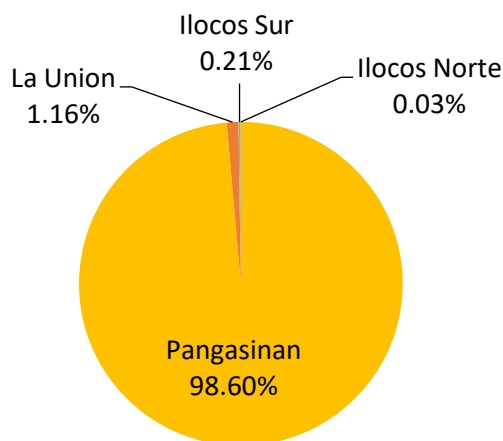


Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

Aquaculture

Aquaculture production in Ilocos Region posted a production of 60,572 metric tons in 4th quarter 2019. This is higher than the production in 4th quarter 2018 of 54,376 metric tons. Higher survival rate, bigger sizes harvested due to better water parameter and quality fingerlings, dispersal of free tilapia fingerlings, and lesser destructive typhoons were the factors that might contributed to the positive growth in output.

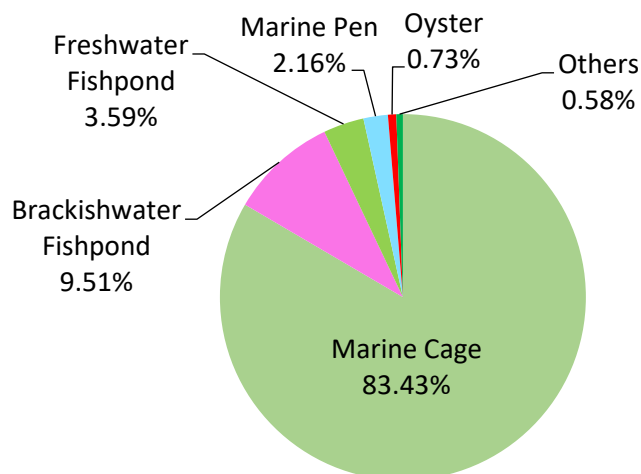
**Figure 9. Percentage Distribution of Aquaculture Production by Province
Ilocos Region: 4thQuarter 2019**



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

The province of Pangasinan shared the bulk of aquaculture production in 4thquarter 2019 with 98.60 percent. By culture type, aquaculture in Ilocos Region was dominated by Marine cage which accounted for 83.43 percent of the total production.

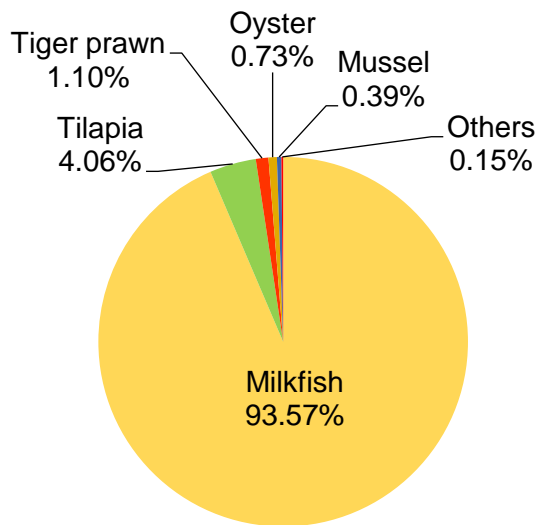
**Figure 10. Percentage Distribution of Aquaculture Production by Ecosystem
Ilocos Region: 4thQuarter 2019**



Source: Philippine Statistics Authority, 4thQuarter 2019 Fisheries Production Survey

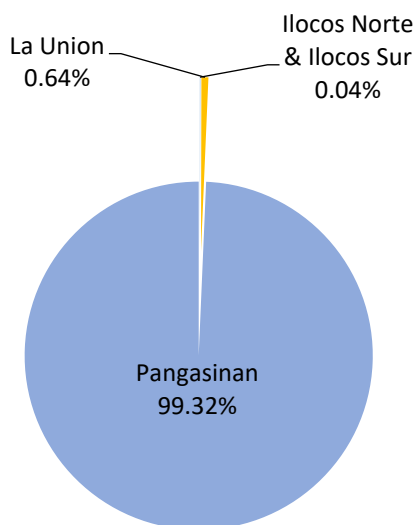
Milkfish dominated the aquaculture production of Ilocos Region I in 4th quarter 2019 with a share of 93.57 percent. Its production during the period was registered at 56,677 metric tons, higher than its output in the same quarter of 2018 of 50,854 metric tons. Higher survival rate, bigger sizes of catch due to good water parameter, lesser destructive typhoons, and increased preference over pork were the factors that might contributed to the positive growth in output. Bulk of milkfish production came from the province of Pangasinan.

Figure 11. Percentage Contribution of Top Species to the Total Aquaculture Production, Ilocos Region: 4th Quarter 2019



Source: Philippine Statistics Authority, 4th Quarter 2019 Fisheries Production Survey

Figure 12. Percentage Contribution of Milkfish Production by Province, Ilocos Region: 4th Quarter 2019



Source: Philippine Statistics Authority, 4th Quarter 2019 Fisheries Production Survey

TECHNICAL NOTES

The Fisheries Production Survey of the Philippine Statistics Authority (PSA) is divided into four 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 commercial and municipal fisheries surveys aim to provide quarterly data on volume and value of fish production by species, by region, and by province. The aquaculture survey is intended to generate quarterly data on volume and value of cultured species by environment, by type of aqua farm, by region, and by province.

Concepts and Definitions:

Aquaculture – fishery operation involving all forms of raising and culturing of fish and other fishery species in marine, brackish and freshwater environment. Examples are fishponds, fish pens, fish cages, mussel, oyster, seaweed farms and hatcheries.

Aquafarm – the farming facilities used in the culture or propagation of aquatic species including fish, mollusk, crustaceans, and aquatic plants for purposes of rearing to enhance production.

Brackishwater – mixture of seawater and freshwater with salinity that varies with the tide. Example are estuaries, mangroves, and mouths of rivers where seawater enters during high tide.

Commercial Fishing – the catching of fish with the use of fishing boats with a capacity of more than three (3) gross tons for trade, business or profit beyond subsistence or sports fishing.

Fisheries – all activities relating to the act 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 8550).

Fisheries Sector – the sector engaged in the production, growing, harvesting, processing, marketing, developing, conserving and managing aquatic resources and fishing areas.

Fish Cage – stationary or floating fish enclosure made of synthetic net wire/bamboo screen or other materials set in the form of an 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.

Fishing Gear – any instrument or device and its accessories utilized in taking fish and other fishery species.

Fishing Grounds – areas in any body of water where fish and other aquatic resources congregate and become the target of capture.

Fish Pen – an artificial enclosure constructed within a body of water for culturing fish and fishery/ aquatic resources made up of bamboo poles closely arranged in an enclosure with wooden materials, screen or nylon netting to prevent an escape of fish.

Fishpond – a body of water (artificial or natural) where fish and other aquatic products are cultured, raised or cultivated under controlled conditions. This is a land-based type of aquafarm. Note that the setting-up of fish cages in ponds does not make the operation of a fish cage and at the same time a fishpond.

Freshwater – water without salt or marine origins, such as generally found in lakes, rivers, canals, dams, reservoirs, paddy fields, and swamps.

Inland Municipal Fishing – the catching of fish, crustaceans, mollusks and all other aquatic animals and plants in inland water like lakes, rivers, dams, marshes, etc. using simple gears and fishing boats some of which are non-motorized with a capacity of three gross tons or less; or fishing not requiring the use of fishing boats.

Landing Center – a place where the fish catch and other aquatic products are unloaded and traded.

Municipal Fishing – covers fishing operation carried out with or without the use of a boat weighing three gross tons or less.


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