

SPECIAL RELEASE

FISHERIES SITUATIONER JANUARY 2019 ROUND



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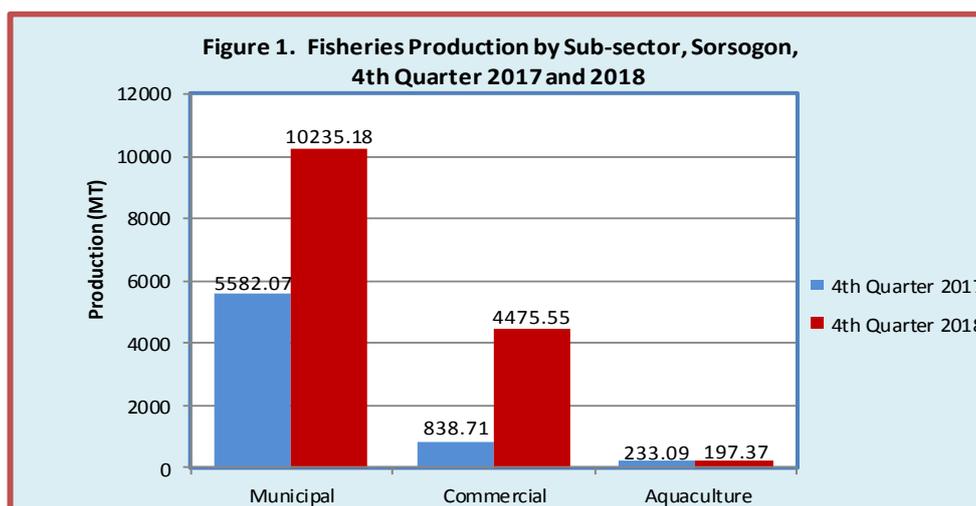
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Fish Production in Sorsogon Province augments by 124.05 percent in the fourth quarter of 2018

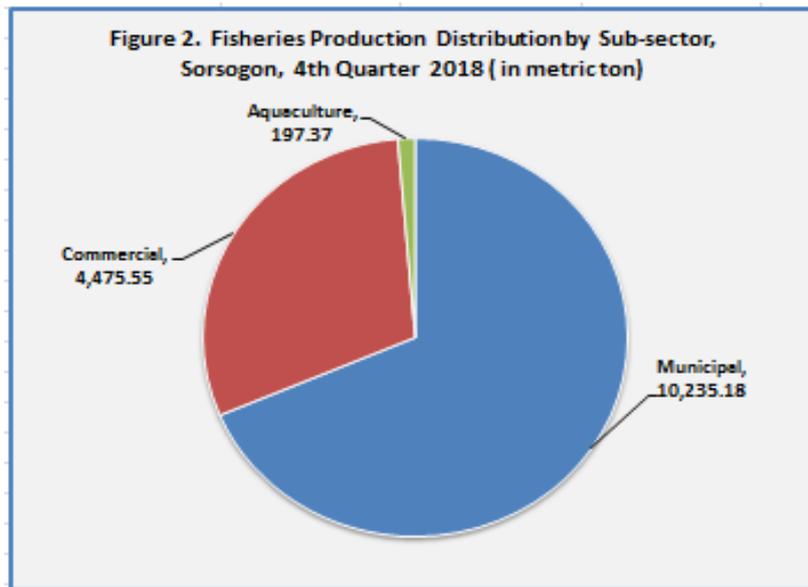
The Commercial Fisheries, and Municipal Fisheries sub-sectors showed increases of 433.62% and 83.36% , respectively, which contributed to the overall increment of 124.05 percent in Fisheries production for the fourth quarter of 2018 as compared to last year's level. However, the Aquaculture production dropped by 15.32 percent (Table 1 and Figure 1).

Table 1. Fisheries Production by Sub-sector, Sorsogon , 4th Quarter 2017 and 2018

SUB-SECTOR	PRODUCTION (in metric ton)		% CHANGE
	2017	2018	
TOTAL FISHERIES	6,653.87	14,908.09	124.05
Commercial	838.71	4,475.55	433.62
Municipal	5,582.07	10,235.18	83.36
<i>Marine</i>	5,554.53	10,200.01	83.63
<i>Inland</i>	27.54	35.16	27.67
Aquaculture	233.09	197.37	15.32



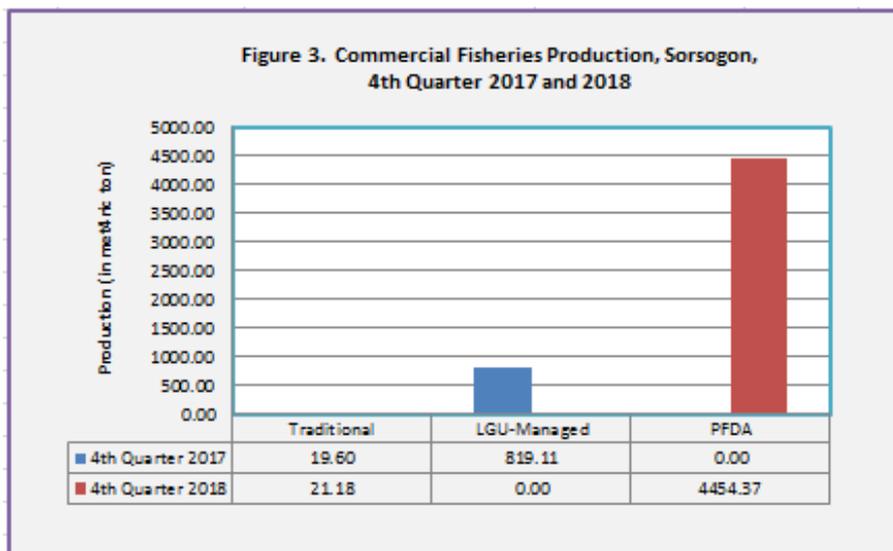
In the fourth quarter of 2018, 68.66 percent of the province’s fish production came from Municipal Fisheries, 30.02 percent from Commercial Fisheries and 1.32 percent from Aquaculture (Figure2).



Commercial Fisheries production shows 433.62 percent increment in the fourth quarter of 2018

In the 4th Quarter 2018, Commercial Fisheries production in Sorsogon showed a notable increase as compared with the same quarter in 2017. Total production in Commercial Fisheries increased by 3,636.84 metric tons or 433.62 percent from 838.71 metric tons in 4th quarter of 2017 to 4,475.55 metric tons in 2018 of same period. The increment was effected by the increased volume of production at the traditional landing centers. Furthermore, the volume of production at Bulan Fishport Complex (BFPC) was higher than last year’s production at LGU- Managed Bulan Municipal Fishport (BMFP), which is now BFPC managed by PFDA.

Commercial Fisheries production is the combined volume of catch at the traditional landing centers and BFPC . The volume of catch at the traditional fish landing centers increased by 1.58 metric tons from 19.60 MT in the fourth quarter of 2017 to 21.18 MT in same period of 2018 or 8.06 percent increment. Likewise, the volume of unloading at the BFPC was 3,635.26 metric tons higher as compared to LGU-Managed BFMP landing center’s volume of unloading of 819.11 MT in Q4 2017. (Figure 3).

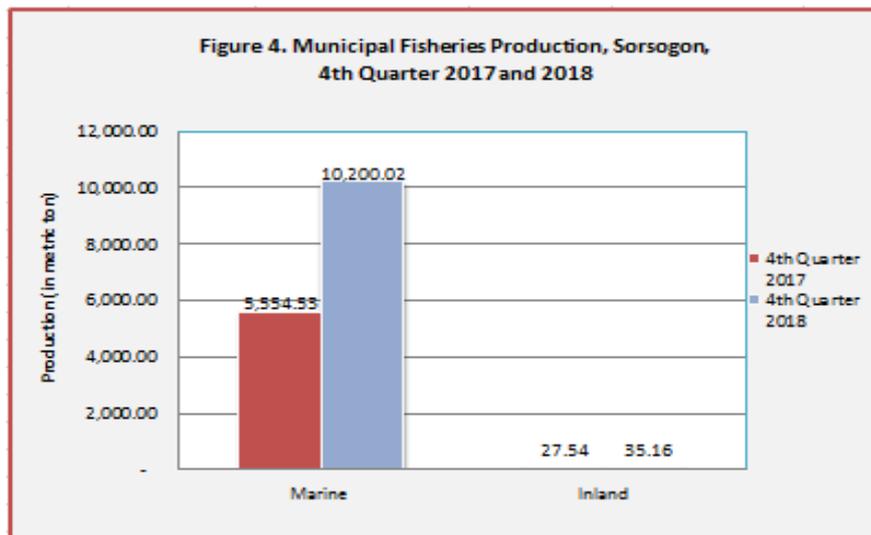


Municipal Fisheries production records 83.36 percent increment in the fourth quarter of 2018

Municipal Fisheries volume of production in Sorsogon during the fourth quarter of 2018 registered an increase of 83.36 percent as compared with the 2017 record for the same period, from 5,582.07 metric tons in the fourth quarter of 2017 to 10,235.18 metric tons in the 4th Quarter of 2018 or an increase of 4,653.11 metric tons.

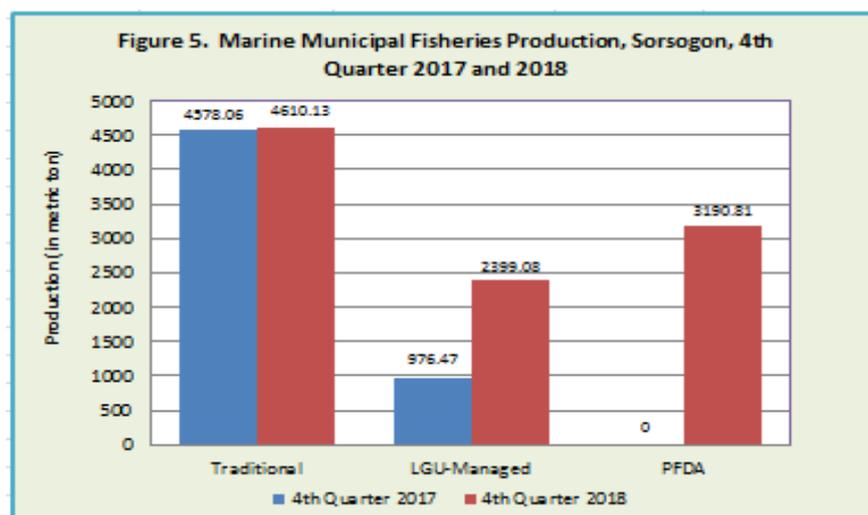
Municipal Fisheries is the combined production from the Marine Municipal and Inland Municipal Fisheries. Both the Marine and Inland Municipal Fisheries showed increases of 83.63% and 27.67%, respectively (Figure 4).

Marine Municipal Fisheries production increased by 4,645.49 metric tons from 5,554.53 metric tons during Q4 2017 to 10,200.02 metric tons in Q4 2018. Further, Inland Municipal Fisheries showed an increase of 7.62 metric tons from 27.54 metric tons in Q4 2017 to 35.16 metric tons in Q4 2018 (Figure 4).



For Marine Municipal Fisheries, the increase in production was brought about by the production increment of 145.69 percent at the LGU-Managed landing centers, the 0.70 percent increase at the traditional landing centers and the high volume of unloading at Bulan Fishport Complex of 3,190.82 metric tons.

A minimal increment of 32.06 metric tons was observed at the traditional landing centers from 4,578.06 metric tons in Q4 2017 to 4,610.13 metric tons in Q4 2018. Moreover, a significant increase of 1,422.60 metric tons was noted at the LGU-Managed landing center (Pilar port only, data for former LGU-Managed BMFP is now recorded at BFPC), from 976.47 metric tons in Q4 2017 to 2,399.08 metric tons in Q4 2018 (Figure 5).



Aquaculture production exhibits decreasing trends in the fourth quarter of 2018

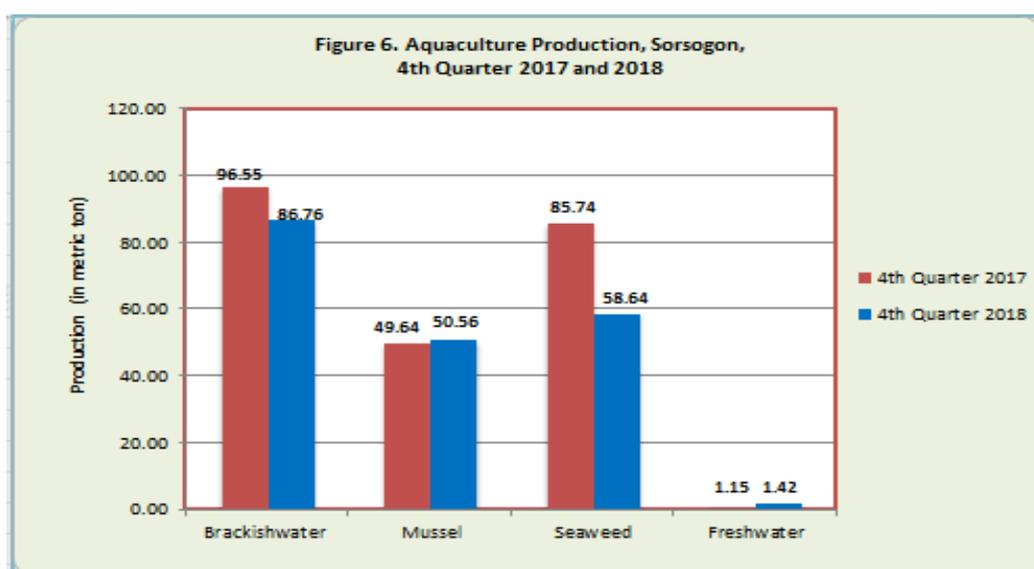
Aquaculture production for the fourth quarter 2018 decreased by 15.32 percent as compared to last year's level. Decrement in the volume of production for brackishwater fishpond environments and seaweed farms was noted, offsetting the increments in production from freshwater fishpond environments and mussel farms during the period (Figure 6).

The brackishwater fishponds' volume of production diminished by 9.79 metric tons from 96.55 metric tons in 4th Quarter 2017 to 86.76 metric tons in 2018 of same period or 10.14 percent decline.

Moreover, the volume of production in seaweed farms showed 31.61 percent decrement from 85.74 metric tons in 4th Quarter 2017 to 58.64 metric tons in the 4th Quarter 2018.

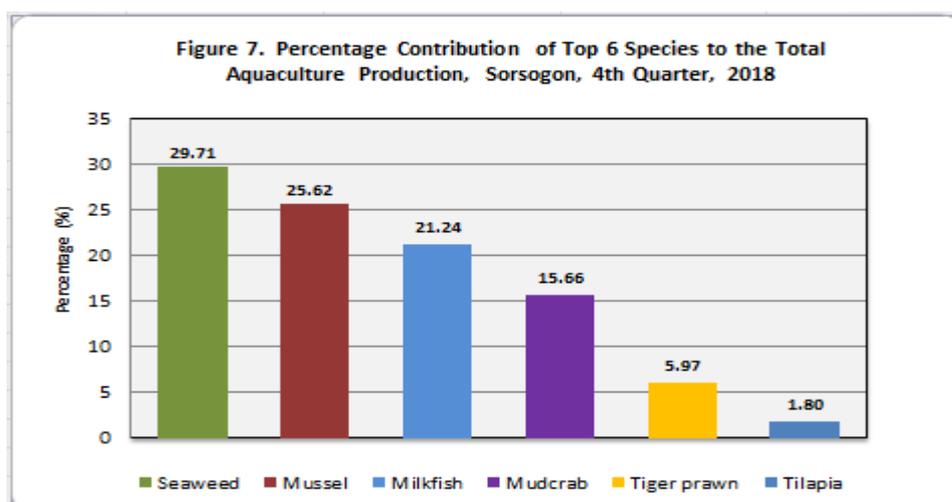
However, freshwater fishpond production in the 4th Quarter 2018 exhibited 23.68 percent increase as compared to last year's level of same quarter, from 1.15 metric tons in Q4 2017 to 1.42 metric tons in Q4 2018.

Likewise, mussel farms' production increased from 49.64 metric tons in Q4 2017 to 50.56 metric tons in Q4 2018 or an increment of 1.84 percent as shown in Figure 6.



Seaweed production tops the species produced in Aquaculture farms in the fourth quarter of 2018

In Sorsogon, the top species produced in Aquaculture environments during the fourth quarter of 2018 were Seaweeds which accounted for 29.71 percent of the total Aquaculture production, followed by Mussel with 25.62 percent, Milkfish with 21.24 percent, Mudcrab with 15.66 percent, Tiger prawn with 5.97 percent, and lastly, Tilapia with 1.80 percent (Figure 7).



TECHNICAL NOTES

- The Fisheries Production Survey of the Philippine Statistics Authority (PSA) is categorized into four major fisheries surveys: 1) Quarterly Commercial Fisheries Survey (QCFS), 2) Quarterly Municipal Fisheries Survey (QMFS), 3) Quarterly Inland Fisheries Survey (QIFS), and 4) Quarterly Aquaculture Survey (QAqS).
- The commercial and municipal fisheries surveys generate quarterly data on the volume and value of production by species, by province and by region. Likewise, the aquaculture surveys generate quarterly data on volume and value of production by type of aquafarm and by species, by province and by region.
- The sampling frames for the surveys of commercial and municipal fisheries were established in 2000 through a nationwide listing of landing centers (LCs) and updating of the list was conducted over the years.
- Two-stage stratified random sampling was the design used with the landing center as the first-stage sampling units and fishing boats as the second-stage sampling units. The landing centers were grouped into strata with the volume of unloading per day as stratification variable. Three strata were generated as follows:
 - Stratum 1—Consists of the top-producing fish landing centers
 - Stratum 2—Consists of the major producing fish landing centers
 - Stratum 3—Consists of all other traditional landing centers in the province
- Simple random sampling was used in drawing the sample landing centers from the stratum.
- For QIFS, the list of all households engaged in inland fishing by province is the sampling frame and sample households were drawn using simple random sampling. Inland municipal fisheries include fishing in inland waters like rivers, lakes, dams, marshes, swamps, etc...
- For QAqS, the sampling frame consists of listing of aquafarms for brackishwater fishponds, freshwater fishponds, freshwater fishpens, freshwater fishcages, marine fishpens, marine fishcages, oyster farms, mussel farms, seaweed farms, small-farm reservoirs and rice-fish culture. The survey used the stratified random sampling with the aquafarm as the sampling unit. By type, aquafarms were stratified according to area into three (3) strata which boundaries were determined based on the distribution of the data in the province. Systematic sampling was employed in the selection of sample aquafarms from each stratum.



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