

SPECIAL RELEASE

FISHERIES SITUATIONER OCTOBER 2018 ROUND



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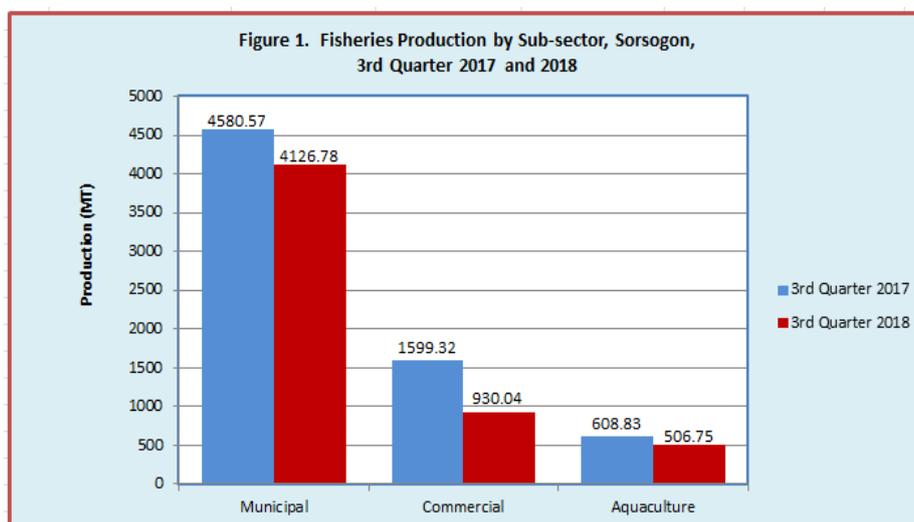
Reference No. 24

Fish Production in Sorsogon Province drops by 18.05 percent in the third quarter of 2018

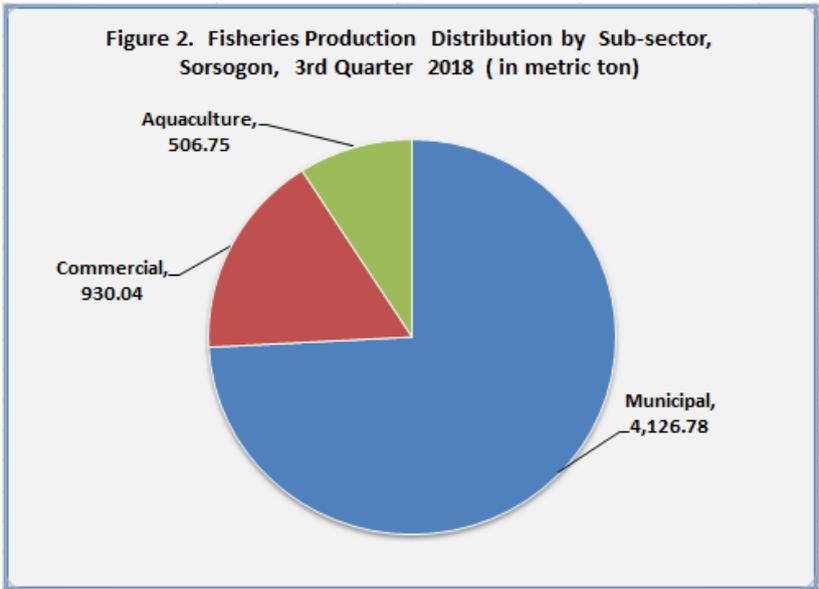
The Commercial Fisheries, Municipal Fisheries and Aquaculture sub-sectors all showed decreases of 41.85%, 9.91% and 16.77%, respectively, which contributed to the overall decrement of 18.05 percent in Fisheries production for the third quarter of 2018 as compared to last year's level. This trend is shown in Table 1 and Figure 1.

Table 1. Fisheries Production by Sub-sector, Sorsogon , 3rd Quarter 2017 and 2018

SUB-SECTOR	PRODUCTION (in metric ton)		% CHANGE
	2017	2018	
TOTAL FISHERIES	6,788.72	5,563.57	18.05
Commercial	1,599.32	930.04	41.85
Municipal	4,580.57	4,126.78	9.91
<i>Marine</i>	4,555.63	4,091.21	10.19
<i>Inland</i>	24.94	35.57	42.62
Aquaculture	608.83	506.75	16.77



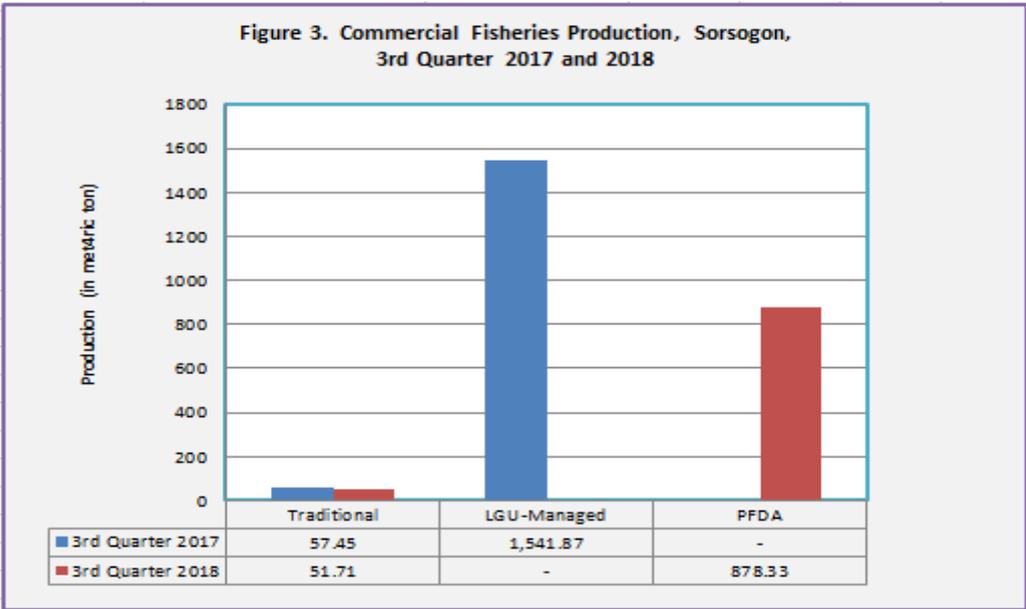
In the third quarter of 2018, 74.18 percent of the province’s fish production came from Municipal Fisheries, 16.72 percent from Commercial Fisheries and 9.10 percent from Aquaculture (Figure2).



Commercial Fisheries production shows 41.85 percent decrement in the third quarter of 2018

In the 3rd Quarter 2018, Commercial Fisheries production in Sorsogon showed a notable decline as compared with the same quarter in 2017. Total production in Commercial Fisheries decreased by 669.28 metric tons or 41.85 percent from 1,599.32 metric tons in 3rd quarter of 2017 to 930.04 metric tons in 2018 of same period. The decrement was effected by the decreased volume of production at the traditional landing centers. Furthermore, the volume of production at Bulan Fishport Complex (BFPC) was lower 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 decreased by 5.74 metric tons from 57.45 MT in the third quarter of 2017 to 51.71 MT in same period of 2018 or 9.99 percent decrement. Likewise, the volume of unloading at the LGU-Managed BFMP landing center was down by 663.54 metric tons from 1,541.87 MT in Q3 2017 as compared to BFPC’s production of 878.33 MT in Q3 2018 or 43.03 percent decline (Figure 3).

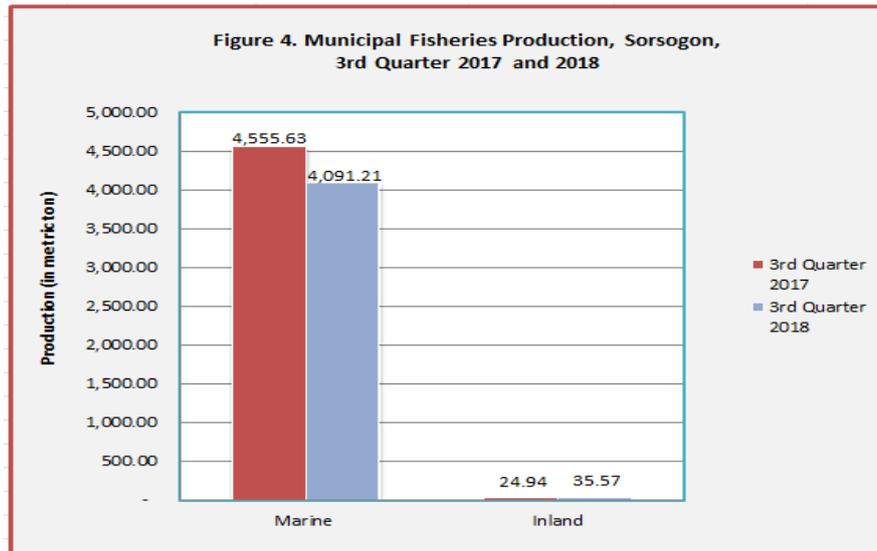


Municipal Fisheries production records 9.91 percent decrement in the third quarter of 2018

Municipal Fisheries volume of production in Sorsogon during the third quarter of 2018 registered a decrement of 9.91 percent as compared with the 2017 record for the same period, from 4,580.57 metric tons in the third quarter of 2017 to 4,126.78 metric tons in the 3rd Quarter of 2018 or a decline of 453.79 metric tons.

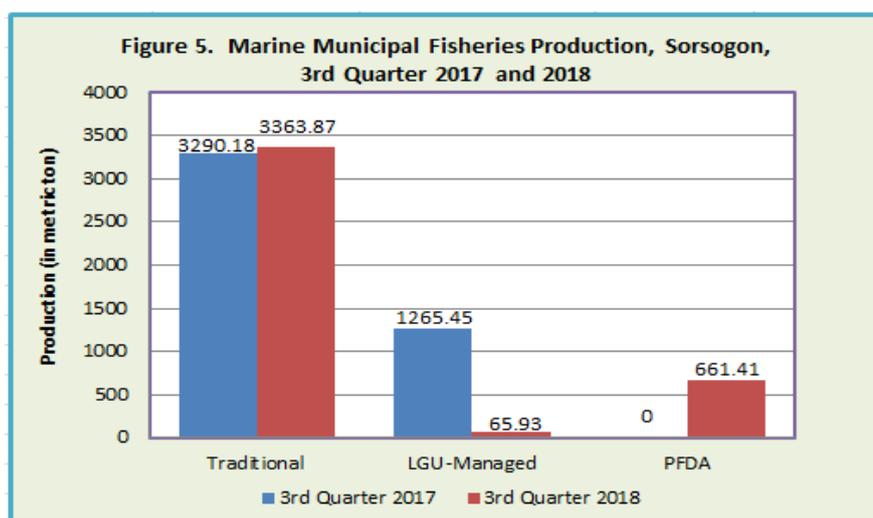
Municipal Fisheries is the combined production from the Marine Municipal and Inland Municipal Fisheries. Marine Municipal fisheries showed a decrement of 10.19 percent, offsetting the 42.62 percent increment in Inland Municipal fisheries (Figure 4).

Marine Municipal Fisheries production decreased by 464.42 metric tons from 4,555.63 metric tons during Q3 2017 to 4,091.21 metric tons in Q3 2018. However, Inland Municipal Fisheries showed an increase of 10.63 metric tons from 24.94 metric tons in Q3 2017 to 35.57 metric tons in Q3 2018 (Figure 4).



For Marine Municipal Fisheries, the decrease in production was brought about by the production decrement of 94.79 percent at the LGU-Managed landing centers, offsetting the 2.24 percent increase in the volume of unloading at the traditional landing centers.

A minimal increment of 73.69 metric tons was observed at the traditional landing centers from 3,290.18 metric tons in Q3 2017 to 3,363.87 metric tons in Q3 2018. However, a significant decline of 1,199.52 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 1,265.45 metric tons in Q3 2017 to 65.93 metric tons in Q3 2018. BFPC production showed 661.41 metric tons for the quarter as shown in Figure 5.



Aquaculture production exhibits decreasing trends in the third quarter of 2018

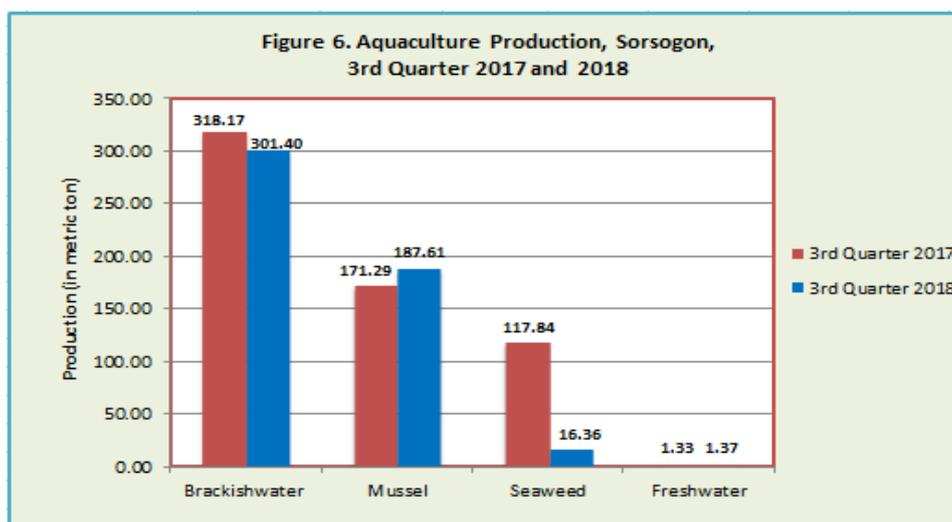
Aquaculture production for the third quarter 2018 decreased by 16.77 percent as compared to last year's level. Decrement in the volume of production for brackishwater fishpond environments and seaweed farms was noted, offsetting the increments in production from freshwater fishpond environments and mussel farms during the period (Figure 6).

The brackishwater fishponds' volume of production diminished by 16.97 metric tons from 318.37 metric tons in 3rd Quarter 2017 to 301.40 metric tons in 2018 of same period or 5.33 percent decline.

Moreover, the volume of production in seaweed farms showed 86.12 percent decrement from 117.84 metric tons in 3rd Quarter 2017 to 16.36 metric tons in the 3rd Quarter 2018.

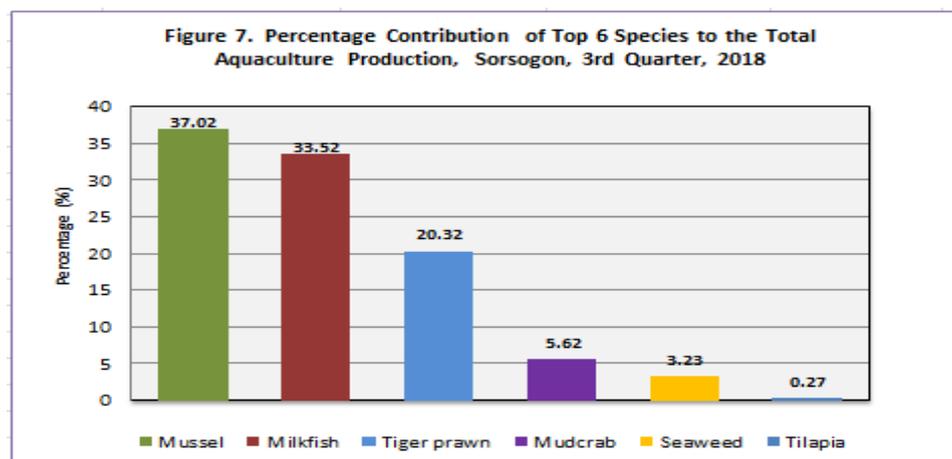
However, freshwater fishpond production in the 3rd Quarter 2018 exhibited 3.33 percent increase as compared to last year's level of same quarter, from 1.33 metric tons in Q3 2017 to 1.37 metric tons in Q3 2018.

Likewise, mussel farms' production increased from 171.29 metric tons in Q3 2017 to 187.61 metric tons in Q3 2018 or an increment of 9.53 percent as shown in Figure 6.



Mussel production tops the species produced in Aquaculture farms in the third quarter of 2018

In Sorsogon, the top species produced in Aquaculture environments during the third quarter of 2018 were Mussel which accounted for 37.02 percent of the total Aquaculture production, followed by Milkfish with 33.52 percent, Tiger prawn with 20.32 percent, Mudcrab with 5.62 percent, Seaweeds with 3.23 percent, and lastly, Tilapia with 0.27 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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