

# SPECIAL RELEASE

## FISHERIES SITUATIONER APRIL 2019 ROUND



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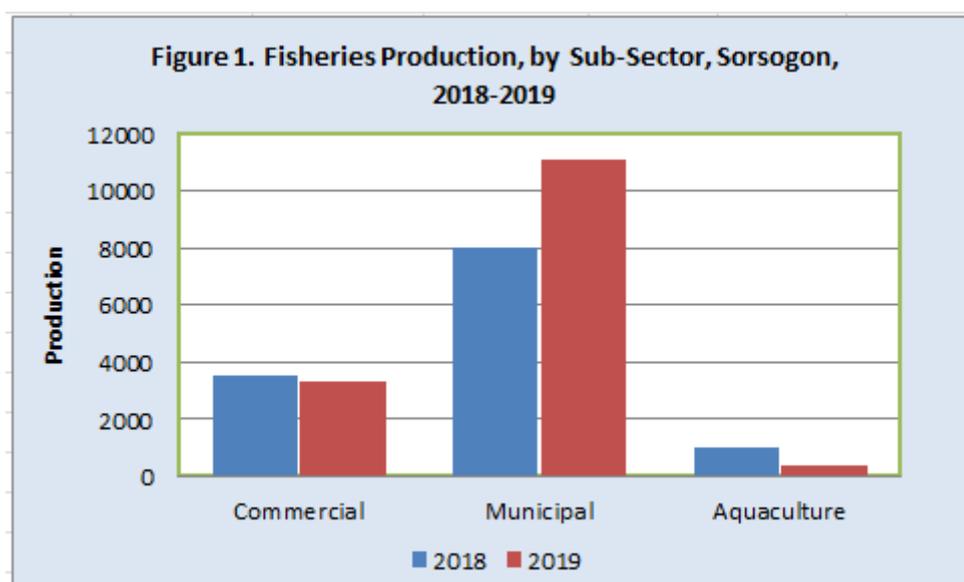
Reference No. 2019- 13

### Fish Production in Sorsogon Province augments by 17.98 percent in the first quarter of 2019

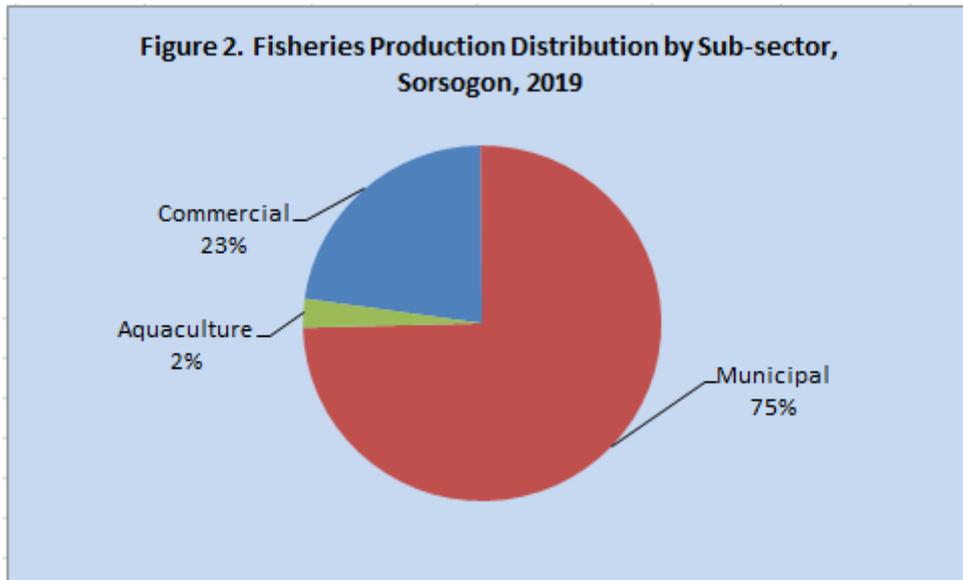
Municipal Fisheries recorded a positive growth of 37.68%, which contributed to the overall increment of 17.98 percent in Fisheries production for the first quarter of 2019 as compared to last year's level. However, Commercial Fisheries and Aquaculture showed decrements of 4.83% and 60.64%, respectively. (Table 1 and Figure 1).

**Table 1. Fisheries Production by Sub-sector, Sorsogon , 1st Quarter 2018 and 2019**

SUB-SECTOR	PRODUCTION (in metric ton)		% CHANGE
	2018	2019	
<b>TOTAL FISHERIES</b>	<b>12,556.94</b>	<b>14,815.14</b>	<b>17.98</b>
<b>Commercial</b>	3,524.45	3,354.34	<b>4.83</b>
<b>Municipal</b>	8,040.73	11,070.44	37.68
<i>Marine</i>	8,011.30	11,045.96	37.88
<i>Inland</i>	29.43	24.48	<b>16.82</b>
<b>Aquaculture</b>	991.76	390.36	<b>60.64</b>



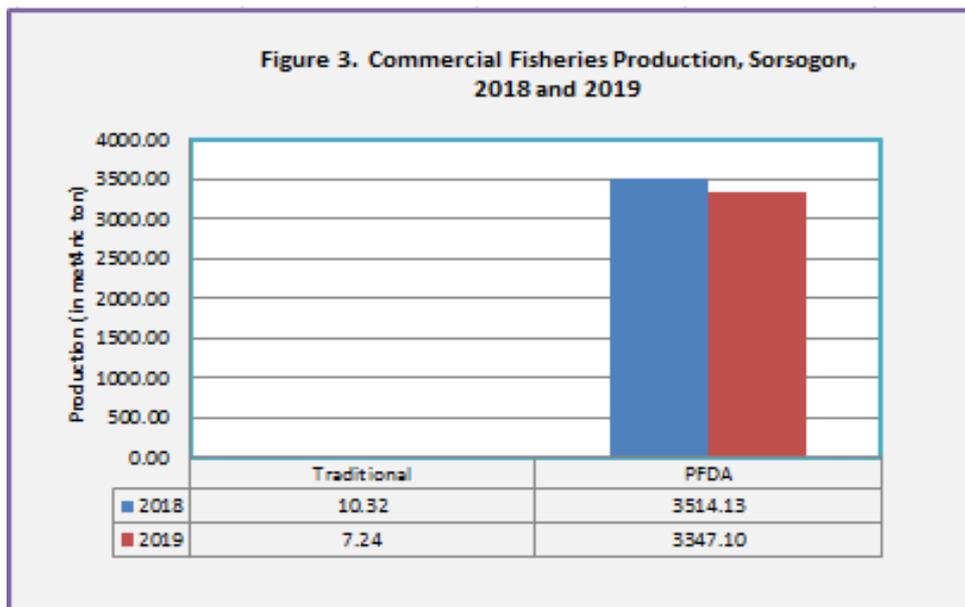
During the reference period, 75 percent of the province's fish production came from Municipal Fisheries, 23 percent from Commercial Fisheries and 2 percent from Aquaculture (Figure2).



**Commercial Fisheries production diminishes by 4.83 percent in the first quarter of 2019**

In the 1st Quarter 2019, Commercial Fisheries production in Sorsogon province decreased as compared with the same quarter in 2018. Total production in Commercial Fisheries dropped by 170.11 metric tons or 4.83 percent from 3,524.45 metric tons in 1st quarter of 2018 to 3,354.34 metric tons in 2019 of same period. The decline was effected by the low volume of unloading at Bulan Fishport Complex and at the traditional fish landing centers.

Commercial Fisheries production is the combined volume of catch at the traditional landing centers and Bulan Fishport Complex. The volume of catch at the traditional fish landing centers recorded a decline of 3.08 metric tons from 10.32 MT in the first quarter of 2018 to 7.24 MT in same period of 2019. Moreover, less volume of unloading at Bulan Fishport Complex contributed to the overall decrease in Commercial Fisheries production (Figure 3).

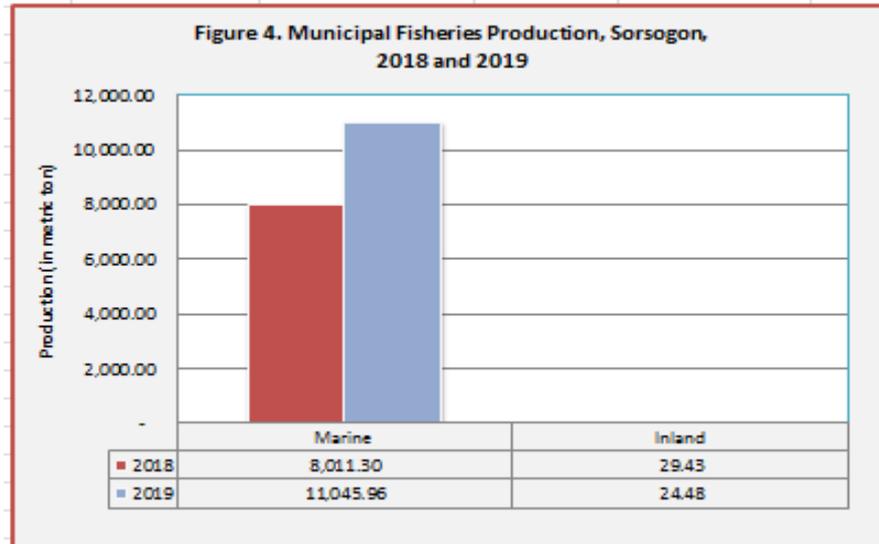


## Municipal Fisheries production registers 37.68 percent increment in the first quarter of 2019

Municipal Fisheries volume of production in Sorsogon during the 1st quarter of 2019 registered an increment of 37.68 percent as compared with the 2018 record for the same period, from 8,040.73 metric tons in the 1st quarter of 2018 to 11,070.44 metric tons in the 1st Quarter of 2019 or an increase of 3,029.71 metric tons.

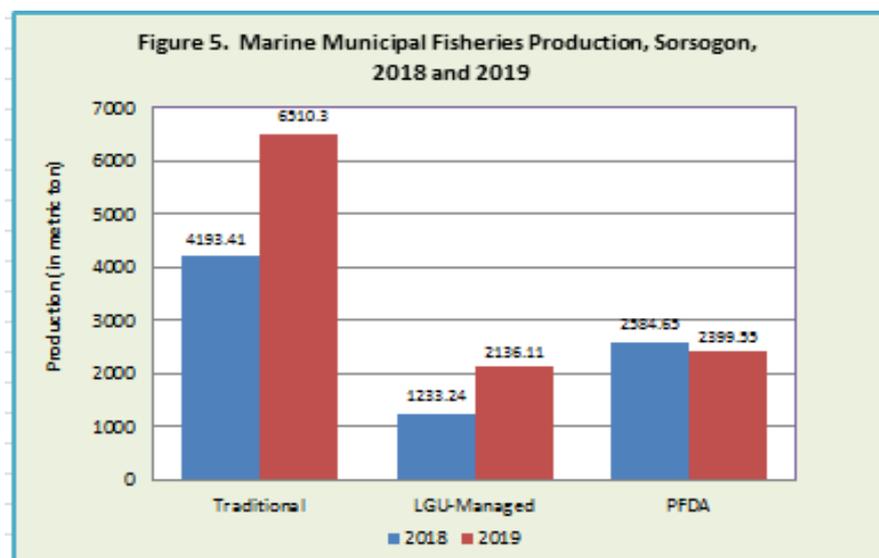
Production for Municipal Fisheries is composed of productions from the Marine Municipal and Inland Municipal Fisheries. Marine municipal fisheries showed an increment of 37.88 percent while inland municipal fisheries decreased by 16.82 percent. (Figure 4).

Marine Municipal Fisheries production increased by 3,034.66 metric tons from 8,011.30 metric tons during Q1 2018 to 11,045.96 metric tons in Q1 2019. However, Inland Municipal Fisheries showed a decrement of 4.95 metric tons from 29.43 metric tons in Q1 2018 to 24.48 metric tons in Q1 2019 (Figure 4).



For Marine Municipal Fisheries, the increase was brought about by the increments in the volume of unloading at the traditional and LGU-Managed fish landing centers by 55.25% and 73.21%, respectively and offsetting the 7.16 percent decrement in production at Bulan Fishport Complex.

An increase of 2,316.89 metric tons was observed at the traditional fish landing centers from 4,193.41 metric tons in Q1 2018 to 6,510.30 metric tons in Q1 2019. Moreover, production at LGU-Managed landing center augmented by 902.87 metric tons, from 1,233.24 metric tons in Q1 2018 to 2,136.11 metric tons in Q1 2019 as shown in Figure 5.



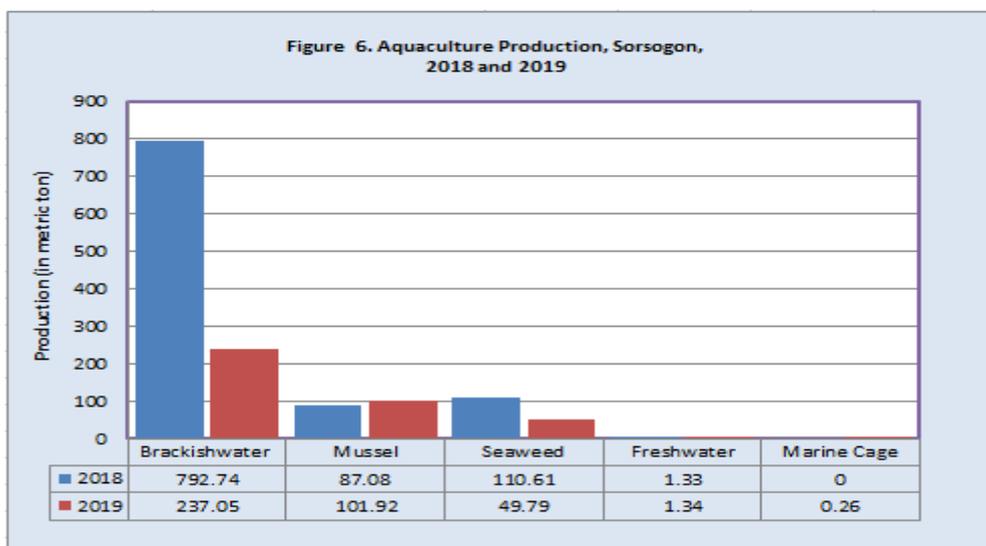
## Aquaculture production shows diminishing trends in the first quarter of 2019

Aquaculture production for the 1st quarter 2019 decreased by 60.64 percent as compared to last year's level. Decreased volume of production for brackishwater fishponds and seaweed farms was noted, offsetting the increases in production from freshwater fishpond environments and mussel farms during the period and the 0.26 metric tons additional production from marine cages (none last year) (Figure 6).

The brackishwater fishponds' volume of production diminished by 70.10 percent from 792.74 metric tons in 1st Quarter 2018 to 237.05 metric tons in 2019 of same period. Likewise, seaweed production decreased from 110.61 metric tons in Q1 2018 to 49.79 metric tons in Q1 2019 or a decrement of 54.99 percent

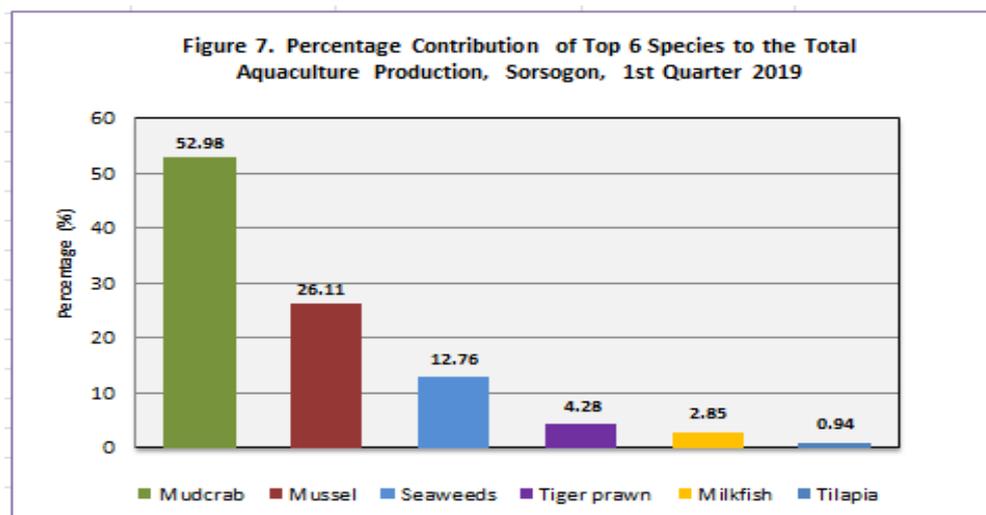
However, the volume of production in freshwater fishpond environments registered 0.55 percent increase in production from 1.33 metric tons in 1st Quarter 2018 to 1.34 metric tons in the 1st Quarter 2019.

Moreover, mussel production in the 1st Quarter 2019 showed 17.04 percent increment in production as compared to the 1st Quarter 2018, from 87.08 metric tons in Q1 2018 to 101.92 metric tons in Q1 2019 as shown in Figure 6.



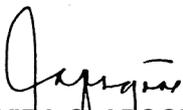
## Mudcrab tops in the first quarter 2019 Aquaculture production

In Sorsogon province, the top species produced in Aquaculture environments during the 1st quarter of 2019 were Mudcrab which accounted for 52.98 percent of the total Aquaculture production, followed by Mussel with 26.11 percent, Seaweeds with 12.76 percent, Tiger prawn with 4.28 percent, Milkfish with 2.85 percent, and lastly, Tilapia with 0.94 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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