



# SPECIAL RELEASE

## 1<sup>st</sup> Semester 2018 Cordillera Fisheries Situationer

Date of Release: November 9, 2018  
 Reference No. SR 2018-32

The Philippine Statistics Authority (PSA) generates statistics for freshwater municipal aquaculture and municipal inland fishing. The Quarterly Inland Municipal and Quarterly Aquaculture Surveys are conducted in sample aquaculture farms and sample inland fishing households. The respondents of the surveys are aquafarm operators, fishermen or other knowledgeable members of the household. Generated quarterly fisheries production is included in the quarterly data review process of the PSA at the provincial, regional and national levels. After the data validation, preliminary estimates are made available to data users.

**Table 1. Fishery Production by Aquafarm Type in CAR by Province: 1<sup>st</sup> Semester 2017-2018**

Region/Province	Production (MT)		% Change
	1 <sup>st</sup> Sem. 2017	1 <sup>st</sup> Sem. 2018	
<b>CAR</b>	<b>2,154.0</b>	<b>2,419.2</b>	<b>12.3</b>
Inland	656.3	586.1	(10.7)
Aquaculture	1,497.8	1,833.1	22.4
<b>Abra</b>	<b>318.7</b>	<b>333.9</b>	<b>4.8</b>
Inland	134.7	140.5	4.3
Aquaculture	183.9	193.4	5.1
<b>Apayao</b>	<b>114.4</b>	<b>162.1</b>	<b>41.7</b>
Inland	75.4	119.6	58.7
Aquaculture	39.1	42.5	8.8
<b>Benguet</b>	<b>230.1</b>	<b>269.1</b>	<b>17.0</b>
Inland	59.8	67.4	12.7
Aquaculture	170.3	201.8	18.5
<b>Ifugao</b>	<b>1,236.8</b>	<b>1,425.2</b>	<b>15.2</b>
Inland	205.9	116.2	(43.6)
Aquaculture	1,030.9	1,309.0	27
<b>Kalinga</b>	<b>245.0</b>	<b>221.8</b>	<b>(9.5)</b>
Inland	177.1	140.8	(20.5)
Aquaculture	67.9	81.0	19.2
<b>Mountain Province</b>	<b>9.0</b>	<b>7.1</b>	<b>(21.6)</b>
Inland	3.4	1.6	(52.5)
Aquaculture	5.6	5.5	(3.1)

Source: Philippine Statistics Authority

- The fish production of the Cordillera Administrative Region (CAR) increased by 12.3 percent from 2,154 metric tons (MT) in the first semester 2017 to 2,419.2 MT during the same period in 2018 contributed mainly by Aquaculture. Except for the province of Kalinga and Mountain Province, aquaculture fish production in most of the CAR provinces registered a positive performance (Table 1).

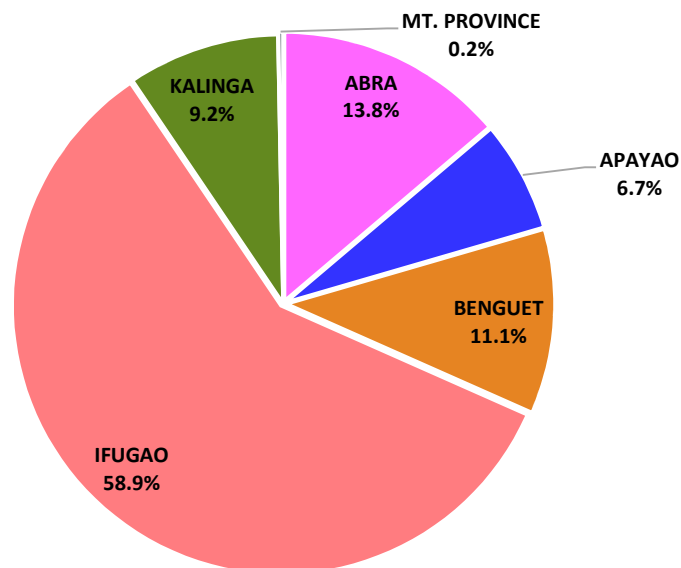
**Table 2. Distribution of Total Fishery Production by Aquafarm Type in CAR by Province: 1<sup>st</sup> Semester 2018**

Region/Province	Production (MT)	% to Total
<b>CAR</b>	<b>2,419.2</b>	<b>100.0</b>
Inland	586.1	24.2
Aquaculture	1,833.1	75.8
<b>Abra</b>	<b>333.9</b>	<b>13.8</b>
Inland	140.5	5.8
Aquaculture	193.4	8.0
<b>Apayao</b>	<b>162.1</b>	<b>6.7</b>
Inland	119.6	4.9
Aquaculture	42.5	1.8
<b>Benguet</b>	<b>269.1</b>	<b>11.1</b>
Inland	67.4	2.8
Aquaculture	201.8	8.3
<b>Ifugao</b>	<b>1,425.2</b>	<b>58.9</b>
Inland	116.2	4.8
Aquaculture	1,309.0	54.1
<b>Kalinga</b>	<b>221.8</b>	<b>9.2</b>
Inland	140.8	5.8
Aquaculture	81.0	3.3
<b>Mountain Province</b>	<b>7.1</b>	<b>0.3</b>
Inland	1.6	0.1
Aquaculture	5.5	0.2

Source: Philippine Statistics Authority

- Out of the total regional production of 2,419.2 MT, 1,833.1 MT (75.8%) came from aquaculture and 586.1 MT (24.2%) came from inland fishery production.
- For the first semester of 2018, Ifugao was consistently the top producer with 1,425.2 MT accounting 58.9 percent of the total regional fishery production. Abra province came second with 13.8% share, followed by Benguet with 11.1% share, Kalinga with 9.2% share, and Apayao with 6.7% share (Figure 1).
- Mountain Province contributed the smallest share in the fishery of the region with an output of 7.1 MT comprising only 0.3% of the total fish production in the region (Table 2).

**Figure 1. Percentage Distribution of Total Fisheries Production in CAR by Province: 1st Semester 2018**



Source: Philippine Statistics Authority

## MUNICIPAL INLAND PRODUCTION

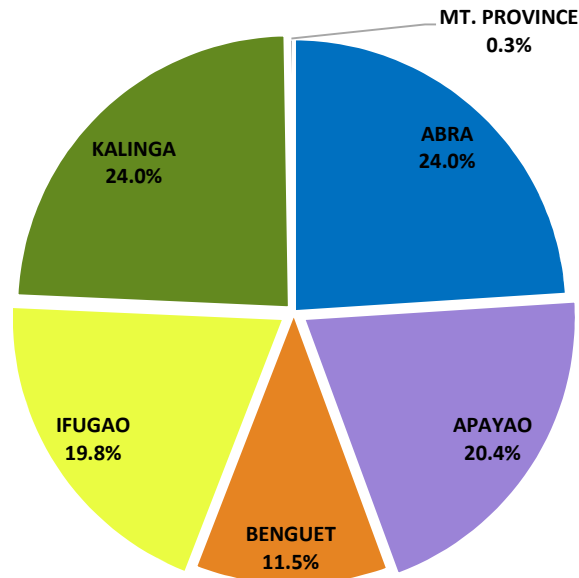
- Inland municipal fishing refers to fishing in inland waters like lakes, rivers, and dams. Using simple gears and fishing boats some of which are non-motorized with a capacity of less than three (3) gross tons, or fishing not requiring the use of fishing boats.
- Cordillera municipal inland fishing output during the first semester of 2018 was 1586.1 MT, comprising 24.2% of the total fish production in the region (Table 3).

**Table 3. Municipal Inland Production in CAR by Province, 1<sup>st</sup> Semester 2018**

Region/Province	Production (MT)	%
<b>CAR</b>	<b>586.1</b>	<b>100.0</b>
Abra	140.5	24.0
Apayao	119.6	20.4
Benguet	67.4	11.5
Ifugao	116.2	19.8
Kalinga	140.8	24.0
Mountain Province	1.6	0.3

Source: Philippine Statistics Authority

**Figure 2. Percentage Distribution of Municipal Inland Production in CAR, by Province: 1st Semester 2018**



Source: Philippine Statistics Authority

- Kalinga and Abra were the top inland fishing provinces with 140.8 MT and 140.5 MT of fish harvested, comprising 24.0% each of the total inland fishery production of the region. Apayao followed with 20.4% share while Ifugao came fourth with 19.8% share. The provinces with the smallest shares were Benguet and Mountain Province with 11.5% and 0.3% shares, respectively (Figure 2).

## AQUACULTURE PRODUCTION

- Aquaculture is a fishery operation involving all forms of raising and culturing of fish and other fishery species in fresh, brackish and marine water areas.

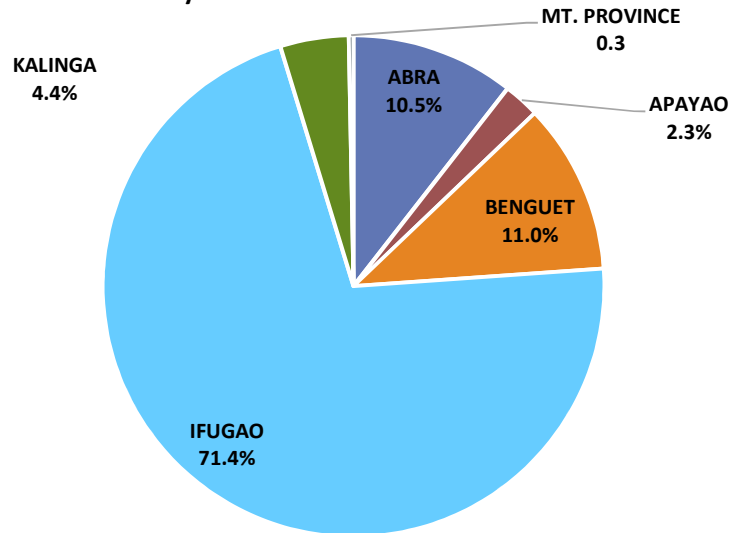
**Table 4. Aquaculture Production and Area Harvested in CAR, by Province: 1<sup>st</sup> Semester 2018**

Region/Province	Production (MT)	Area Harvested (Has)
<b>CAR</b>	<b>1,833.1</b>	<b>290.6</b>
Abra	193.4	63.0
Apayao	42.5	21.6
Benguet	201.8	20.1
Ifugao	1,309.0	152.4
Kalinga	81.0	31.6
Mountain Province	5.5	1.9

Source: Philippine Statistics Authority

- In the first semester of 2018, CAR registered an aquaculture production of 1,833.1 MT with an estimated area harvested of 290.6 hectares. Aquaculture dominated the region's fisheries accounting for 75.8% of the total fish production (Table 4).

**Figure 3. Percentage Distribution of Aquaculture Production in CAR by Province: 1st Semester 2018**



Source: Philippine Statistics Authority

- Ifugao province posted the highest production with 1,309.0 MT from an area harvested of 152.4 hectares. Benguet was a distant second with 201.8 MT with an area harvested of 20.1 hectares while Mountain Province had the least production in the region with only 5.5 MT and an area harvested of 1.9 hectares (Table 4).
- In terms of percentage distribution in aquaculture production in the region, Ifugao contributed 71.4%. Benguet came second with 11.0% share. The other provinces and their share to total aquaculture production were Abra with 10.5%; Kalinga with 4.4%; and Apayao with 2.3%. Mountain Province had the smallest share of 0.3% (Figure 4).

**VILLAFE P. ALIBUYOG**  
Regional Director

## Technical Notes

**Aquaculture** is a fishery operation involving all forms of raising and culturing of fish and other fishery species in fresh, brackish and marine water areas. The operation is comprised of activities from stocking to harvesting of species under controlled conditions in farming facility called aquafarm.

**Aquafarm** refers to the farming facilities used in the culture or propagation of aquatic species for purposes of rearing to enhanced production.

**Freshwater** is water without salt or marine origin.

**Aquaculture Production** refers to the volume harvested from the aquafarm during the reference period. It includes those species harvested in marketable or matured size and fresh in form.

**Fishponds** refers to a land-based type of aquafarm; a body of water (artificial or natural) where fish are cultured, raised or cultivated under controlled conditions.

**Fish Cage** refers to a stationary or floating fish enclosure made of synthetic net wire/bamboo screen set in the form of inverted mosquito net ("hapa" type) for aquaculture purposes.

**Area Harvested** is the actual area which harvests are realized.

**Inland municipal fishing** is the catching of fish, crustacean, mollusks and other aquatic animal and plants in inland waters like lakes, rivers, dams etc. using simple gears and fishing boats some of which are non-motorized with a capacity of less than three (3) gross tons, or fishing not requiring the use of fishing boats.

**Inland municipal Production** refers to the volume of catch during the reference period.