



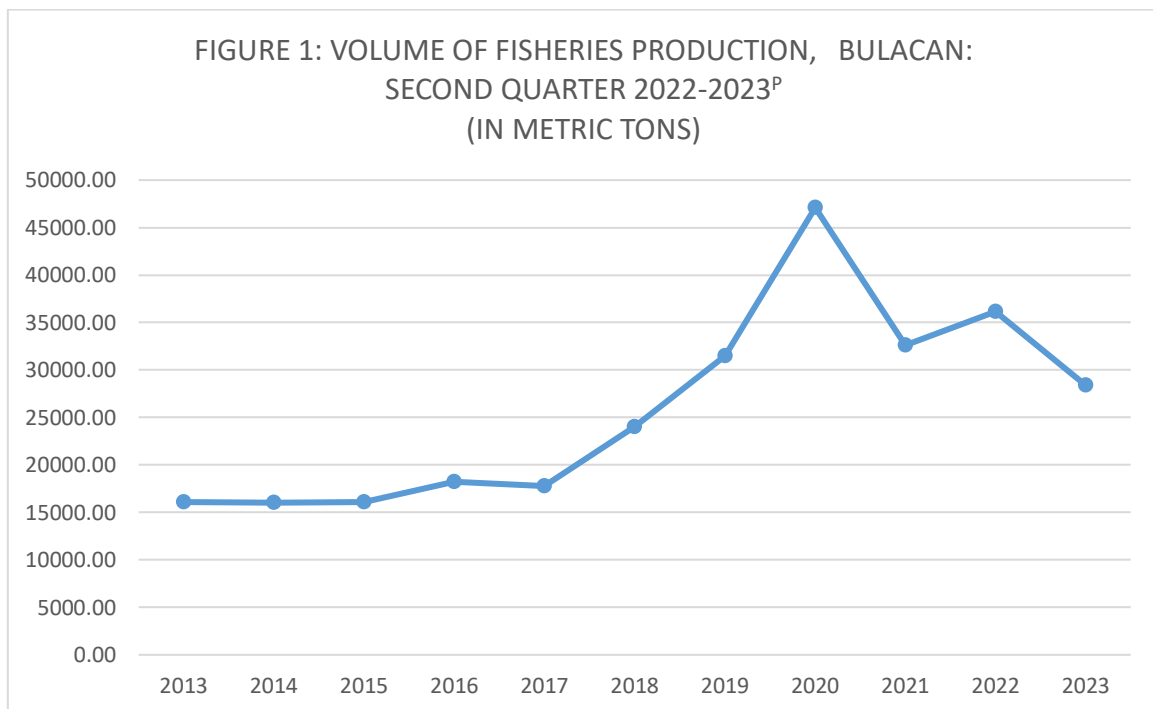
# SPECIAL RELEASE

## Fisheries Volume of Production of Bulacan: April to June 2023<sup>P</sup>

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### Bulacan's Fisheries Volume of Production decreases by 21.5 percent

The volume of production of fisheries in Bulacan was estimated at 28,396.57 metric tons which reflects a decrease of 21.5 percent during second quarter of 2023 compared to same quarter last year with 36,156.80 metric tons.



*P- Preliminary Results*

*Source: Philippine Statistics Authority (PSA)*

The Fisheries Sector comprises of three sub-sectors: Commercial Fishing, Municipal Fishing and Aquaculture. Among these sub-sectors, Aquaculture contributes the largest production with 26,723.02 metric tons during the quarter. This showed a decrease of 23.4 percent compared to the same quarter last year. Aquaculture shared a total of 94.1 percent of the total fisheries volume of production of Bulacan.

It was then followed by Municipal Fishing with a total volume of production of 1,620.67 metric tons which had an increase of 48.7 percent compared to the same quarter last year with 1,090.13 metric tons. It represented the 5.7 percent in the total volume of production in Bulacan. Of the total production of Municipal Fishing, 4.9 percent came

from Inland Fishing while the rest were from Marine Fishing. The Municipal Fishing shared 0.8 percent to the total fisheries volume of production of the province.

Lastly, Commercial Fishing with a total volume of production of 52.88 metric tons. It recorded a decrease of 72.1 percent compared to the production of the previous year with 189.74 metric tons. This represented the remaining 0.2 percent of the total fisheries volume of production of Bulacan. (Table 1)

Table 1: Fisheries Volume of Production by Sub-Sector, Bulacan:  
Second Quarter 2022 and Second Quarter 2023<sup>P</sup>

Sub-sector	Volume of Production (metric tons)		Percent Change	Percent Share
	Q2 2022	Q2 2023 <sup>P</sup>		
Fisheries (Total)	36,156.80	28,396.57	-21.5	100.0
Commercial Fishing	189.74	52.88	-72.1	0.2
Municipal Fishing	1,090.13	1,620.67	48.7	5.7
Marine Municipal Fishing	621.30	228.56	-63.2	0.8
Inland Municipal Fishing	468.83	1,392.12	196.9	4.9
Aquaculture	34,876.93	26,723.02	-23.4	94.1

*P - Preliminary results*

*Source: Philippine Statistics Authority (PSA)*

### Commercial Fishing Volume of Production decreases by 72.1 percent

The Commercial Fishing volume of production in Bulacan decreased by 72.1 percent from 189.74 metric tons a year ago to an estimated production of 52.88 metric tons during the second quarter of this year.

Among the species caught during the quarter, Mullet (*Kapak*) had the highest production with an estimated of 10.96 metric tons with a percent share of 20.7 percent. This was followed by Squid (*Pusit*) with 5.33 metric tons (10.1%), Blue Crab (*Alimasag*) with 4.36 metric tons (8.3%), Indo pacific mackerel (*Hasa-hasa*) with 2.66 metric tons (5.0%), Slipmouth (*Sapsap*) with 2.19 metric tons (4.1%), Fimbriated sardines (Tunsoy) with 1.76 metric tons (3.3%), Bali sardinella (*Tamban*) with 1.67 metric tons (3.2%), Anchovies (*Dilis*) with 1.21 metric tons (2.3%), Threadfin bream (*Bisugo*) with 1.00 metric tons (1.9%) and Crevalle (*Salay-salay*) with 0.88 metric tons (1.7%), Cavalla (*Talakitok*) had lowest among the catch with 0.33 metric tons (0.6%) and the remaining 38.8 percent were from other species with a total production of 20.52 metric tons. (Refer to Table 2)

Table 2: Volume of Production by Species of Commercial Fishing, Bulacan:  
Second Quarter 2022 and Second Quarter 2023<sup>P</sup>

Species	Volume of Production (metric tons)		Percent Change
	Q2 2022	Q2 2023 <sup>P</sup>	
<b>TOTAL</b>	<b>189.74</b>	<b>52.88</b>	<b>-72.1</b>
Indo-pacific Mackerel ( <i>Hasa-hasa</i> )	26.25	2.66	-89.9
Slipmouth ( <i>Sapsap</i> )	24.06	2.19	-90.9
Squid ( <i>Pusit</i> )	20.15	5.33	-73.6
Mullet ( <i>Kapak</i> )	19.11	10.96	-42.7
Fimbriated sardines ( <i>Tunsoy</i> )	11.77	1.76	-85.1
Anchovies ( <i>Dilis</i> )	11.51	1.21	-89.5
Hairtail ( <i>Espada</i> )	7.14	-	*
Acetes ( <i>Alamang</i> )	4.21	-	*
Threadfin Bream ( <i>Bisugo</i> )	2.08	1.00	-51.9
Blue crab ( <i>Alimasag</i> )	1.27	4.36	243.3
Crevalle ( <i>Salay-salay</i> )	0.75	0.88	17.3
Bali Sardinella ( <i>Tamban</i> )	-	1.67	*
Cavalla ( <i>Talakitok</i> )	-	0.33	*
Others	61.44	20.52	-66.6

*P* - Preliminary results, \* no comparison/not applicable, - data not available

Source: Philippine Statistics Authority (PSA)

### Marine Municipal Fishing Volume of Production goes down by 63.2 percent

Marine Municipal Fishing volume of production decreased during the quarter compared to the same quarter last year from 621.30 metric tons to 228.56 metric tons. Among the species in the municipal fishing, the Acetes (*Alamang*) had the largest catch with 54.86 metric tons with a percent share of 24.0 percent. This was followed by blue crab (*Alimasag*) with 44.48 metric tons (19.4%) and Anchovies (*Dilis*) with 22.38 metric tons (9.8%) which represent the top three most caught species. On the other hand, among the catch, Indo-pacific mackerel (*Hasa-hasa*) has the least production with 0.11 metric tons (0.0%). (Refer to Table 3)

Table 3: Volume of Production by Species of Marine Municipal Fishing, Bulacan: Second Quarter 2022 and Second Quarter 2023<sup>P</sup>

Species	Volume of Production (metric tons)		Percent Change
	Q2 2022	Q2 2023 <sup>P</sup>	
<b>TOTAL</b>	<b>621.30</b>	<b>228.56</b>	-63.2
Blue crab ( <i>Alimasag</i> )	133.86	44.48	-66.8
Acetes ( <i>Alamang</i> )	93.37	54.86	-41.2
Siganid ( <i>Samaral</i> )	12.74	-	*
Slipmouth ( <i>Sapsap</i> )	8.25	3.80	-53.9
Mullet ( <i>Kapak</i> )	7.37	1.83	-75.2
Anchovies ( <i>Dilis</i> )	6.80	22.38	229.1
Fimbriated sardines ( <i>Tunsoy</i> )	6.45	4.75	-26.4
Grouper ( <i>Lapu-lapu</i> )	2.67	0.42	-84.3
Threadfin bream ( <i>Bisugo</i> )	2.46	2.14	-13.0
.Indo-pacific mackerel ( <i>Hasa-hasa</i> )	0.49	0.11	-77.6
Cavalla ( <i>Talakitok</i> )	0.16	-	*
Bali sardinella ( <i>Tamban</i> )	-	2.68	*
Squid ( <i>Pusit</i> )	-	0.26	*
Crevalle ( <i>Salay-salay</i> )	-	0.19	*
Others	346.68	90.65	-73.9

<sup>P</sup> - Preliminary results, \* no comparison/not applicable, - data not available

Source: Philippine Statistics Authority (PSA)

### Volume of Production for Inland Municipal Fishing increases by 196.9 percent

The volume of production for Inland Municipal Fishing had increased from 468.83 metric tons in the same quarter last year to 1,392.12 metric tons during the second quarter of 2023. The top three species caught in terms of production were Tilapia exhibited the largest catch with an estimated value of 407.31 metric tons with a percent share of 42.3 percent in fish production, followed by Mudfish (*Dalag*) with 227.78 metric tons (23.6%) and Milkfish (*Bangus*) with 106.53 metric tons (11.1%).

Meanwhile, among the Crustaceans, Blue Crab (*Alimasag*) had the largest production with 189.31 metric tons with a percent share of 44.3 percent in crustacean production. This was followed by White Shrimp (*Hipong Puti*) with 110.63 metric tons (25.9%), Mud Crab (*Alimango*) with 73.29 metric tons (17.1%), Freshwater shrimp (*Hipon*) with 38.32 metric tons (17.1%), Endeavor prawn (*Suahe*) with 12.67 metric tons (3.0%), while the least species caught was Lobster (*Ulang*) with 3.05 metrics tons (0.7%).

For Mollusks, only Freshwater clams (*Tulya*) had production for this quarter with 1.56 metric tons.

Comparing catches from the second quarter of 2022 to 2023, new species caught this quarter were Eel (*Igat*), Silver perch (*Ayungin*), Mullet (*Kapak*), Big head carp, Lobster (*Ulang*) and Freshwater clams (*Tulya*). (Refer to Table 4)

Table 4: Volume of Production by Species of Inland Municipal Fishing, Bulacan: Second Quarter 2022 and Second Quarter 2023<sup>P</sup>

Species	Volume of Production (metric tons)		Percent Change
	Q2 2022	Q2 2023 <sup>P</sup>	
<b>TOTAL</b>	<b>468.83</b>	<b>1,392.12</b>	196.9
<b>FISH</b>	<b>366.80</b>	<b>963.30</b>	162.6
Tilapia	120.94	407.31	236.8
Mudfish ( <i>Dalag</i> )	25.13	227.78	806.4
Milkfish ( <i>Bangus</i> )	3.90	106.53	2,631.5
Carp	88.18	53.39	-39.5
Eel ( <i>Igat</i> )	-	44.07	*
Silver perch ( <i>Ayungin</i> )	-	39.51	*
Catfish ( <i>Hito</i> )	2.86	26.77	836.0
Spade fish ( <i>Kitang</i> )	4.96	16.42	231.1
Catfish ( <i>Kanduli</i> )	2.25	15.63	594.7
Climbing perch ( <i>Martiniko</i> )	6.10	8.76	43.6
Mullet ( <i>Kapak</i> )	-	8.51	*
Freshwater goby ( <i>Biya</i> )	1.64	4.99	204.3
Big head carp	-	3.29	*
Gourami	6.40	-	*
Tarpon ( <i>Buan-buan</i> )	0.29	-	*
Other Fishes	104.14	0.34	-99.7
<b>CRUSTACEANS</b>	<b>102.03</b>	<b>427.25</b>	318.8
Blue Crab ( <i>Alimasag</i> )	59.65	189.31	217.4
White Shrimp ( <i>Hipong Puti</i> )	39.30	110.63	181.5
Mud crab ( <i>Alimango</i> )	0.26	73.29	28,088.5
Freshwater Shrimp ( <i>Hipon</i> )	1.96	38.32	1,855.1
Endeavor prawn ( <i>Suahe</i> )	0.86	12.67	1,373.
Lobster ( <i>Ulang</i> )	-	3.05	*
<b>MOLLUSCS</b>	<b>-</b>	<b>1.56</b>	*
Freshwater clams ( <i>Tulya</i> )	-	1.56	*

*P* - Preliminary results, \* no comparison/not applicable, - data not available

Source: Philippine Statistics Authority (PSA)

### Aquaculture goes down by 23.4 percent in production

During the Second Quarter of 2023, the volume of production in aquaculture decreased by 23.4 percent compared to the same quarter last year, from 34,876.93 metric tons to 26,723.02 metric tons.

Among the aquafarm type and environment, the Oyster had the largest contribution in production with 20,124.23 metric tons with a percent share of 73.3 percent in the total aquaculture production, followed by Brackishwater Pen with 3,150.00 metric tons (11.8%), Brackishwater Fishpond with 2,099.30 metric tons (7.8%), Freshwater Fishpond with 979.34 metric tons (3.7%), Mussel with 351.04 metric tons (1.3%), Small Farm Reservoir with 17.86 metric tons (0.1%) and the least was Freshwater Cage with 1.25 metric tons (0.0%).

**Table 5: Volume of Production by Type/Environment/Species of Aquaculture, Bulacan: Second Quarter 2022 and 2023<sup>P</sup>**


Type/Environment/Species	Volume of Production (metric tons)		Percent Change (%)
	Q2 2022	Q2 2023 <sup>P</sup>	
<b>TOTAL</b>	<b>34,876.93</b>	<b>26,723.02</b>	-23.4
Oyster	<b>26,189.93</b>	<b>20,124.23</b>	-23.2
Brackishwater Pen	<b>3,861.06</b>	<b>3,150.00</b>	-18.4
Milkfish	3,861.06	3,150.00	-18.4
Brackishwater Fishpond	<b>3796.41</b>	<b>2099.30</b>	-44.7
Milkfish	2279.24	1800.33	-21.0
Tilapia	949.97	184.95	-80.5
Tiger Prawn	489.02	63.35	-87.1
P. Vannamei	52.53	27.14	-48.3
Mud Crab	23.54	23.53	-0.0
Others	2.11	-	*
Freshwater Fishpond	<b>804.70</b>	<b>979.34</b>	21.7
Tilapia	187.91	249.62	32.8
Catfish	616.55	696.69	13.0
Mudfish	0.09	0.64	611.1
Others	0.15	32.38	21,486.7
Mussel	<b>223.64</b>	<b>351.04</b>	<b>57.0</b>
Small Farm Reservoir	-	<b>17.86</b>	*
Tilapia	-	17.86	*
Freshwater Cage	<b>1.20</b>	<b>1.25</b>	4.2
Tilapia	1.20	1.25	4.2

*P - Preliminary results, \* no comparison/not applicable, - data not available*

Source: Philippine Statistics Authority (PSA)

Notes:

- Fisheries production are posted at the PSA website (<http://openstat.psa.gov.ph/>)
- Quarter 2 2023 available data is preliminary 0.0 percent denotes volume of production is less than two decimal points but not zero
- Production per species may not sum up to total due to rounding off.

  
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## TECHNICAL NOTES

Commercial Fishing - cover fishing operations in marine waters that make use of boats of more than three (3) gross tons.

Marine Municipal Fishing - covers fishing operations performed in marine water within 15 kilometers from the shoreline using fishing vessels of three (3) gross tons or less, or fishing not requiring the use of fishing vessels

Inland Municipal Fishing - is the catching of fish, crustaceans, molluscs and other aquatic animals and plants in inland water like lakes, rivers, dams, marshes, etc. Using fishing vessels of three (3) gross tons or less, or fishing not requiring the use of fishing vessels

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

### Aquafarm Type

Fishpond - refers to 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.

Fish pen - refers to a fish enclosure made of closely-woven bamboo screens, nylon screens or nets or other materials attached to poles staked at the bottom up to the surface of the lake, river or other shallow bodies of water for the purpose of growing and/or culturing of fish to various sizes in fresh, brackish and marine waters. A fish pen varies in shapes. Its enclosure covers the entire water depth from the water surface down to the bottom.

Fish Cage - refers to a stationary or floating fish enclosure made of synthetic net wire/bamboo screen or other materials set in the form of 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.

Oyster Farm - is an aquafarm involved in the cultivation of oyster in shallow brackish or marine areas by any method for production purposes

Mussel farm - refers to a farm for cultivating mussels in suitable water areas by any method with appropriate intensive care for production purposes.

### Water Environment

Brackish-water environment - refers to mixed seawater and freshwater and salinity varies with the tide

Freshwater environment - refers to water without salt or marine origin. It is pure fresh water.

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