

Philippine *Fisheries* Profile 2012



Department of Agriculture
BUREAU OF FISHERIES AND AQUATIC RESOURCES

Foreword

With the aim of contributing to the fishery industry the need for information and data, the Bureau of Fisheries and Aquatic Resources (BFAR) is once again providing you the 2012 Philippine Fisheries Profile, wherein a year –end performance and relevant information on fisheries was gathered. This handy publication also contains volume and value of production by region, commodity, culture environment; import and export data and world fisheries data.

These data were sourced out through our collaborated effort with the following agencies; Bureau of Agricultural Statistics (BAS) , The National Statistics Office (NSO), the National Statistical Coordination Board (NSCB), which was now integrated into one, namely, the Bureau of Statistics Authority. Also the Nutrition Research Institute (FNRI) and the Food and Agriculture Organization (FAO).



ATTY. ASIS G. PEREZ

Director

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World Scenario: Philippine Fisheries

- In 2011, the Philippines ranked 7th among the top fish producing countries in the world with its total production of 4.97 million metric tons of fish, crustaceans, mollusks, and aquatic plants (including seaweeds). The production constitutes 3.0% of the total world production of 178.2 million metric tons (*FAO website*).
- The Philippines' 0.767 million metric tons aquaculture production of fish, crustaceans and mollusks in 2011 ranked 11th in the world and a 1.22% share to the total global aquaculture production of 62.7 million metric tons. In terms of value, the country's aquaculture production of fish, crustaceans and mollusks has amounted to over 1.72 billion dollars (*FAO website*).
- Similarly, the Philippines is the world's 3rd largest producer of aquatic plants (including seaweeds) having produced a total of 1.84 million metric tons or nearly 8.78% of the total world production of 20.98 million metric tons (*FAO website*).

Contribution to National Economy, 2012

- The fishing industry's contribution to the country's Gross Domestic Products (GDP) were 1.8 % and 2.1% at current and constant 2000 prices, respectively. This translates to some P193.7 billion for current prices and P130 billion for constant prices of the country's GDP of P10,564.9 billion (current prices) and P6,311.7 billion (constant prices).
- The industry also accounted for 15.5% (P193.7 billion) and 18.6% (P130.03 billion) of the Gross Value Added (GVA) in Agriculture,

Hunting, Forestry and Fishing Group of P1,251 billion and P698.9 billion at current and constant prices, respectively, the largest share next to agricultural crops.

Employment in the Fishing Industry

The industry employed a total of 1,614,368 fishing operators nationwide (NSO 2002 Census for Fisheries) of which the municipal fisheries sector accounted for more than one million (1,371,676) operators while the commercial and aquaculture sectors added some 16,497 and 226,195 operators, respectively.

Performance of the Fishing Industry

- Total volume of fisheries production in the Philippines from January to December 2012 attained a 4,865,132 metric tons. Fisheries production growth rate got 10.35% from 4.7 million metric tons in CY 2007 to 4.865 million metric tons in CY 2012. Average annual production growth rate within that period was registered at 1.7%. In terms of value, the 2012 fisheries production was valued at 237.7 billion pesos as compared with the 180.54 billion pesos in 2007, an average yearly increment of 6.65 billion pesos.
- The 2012 fisheries production also showed a 2.18% decrease from the previous year's production of 4.97 million metric tons. The 2012 production was valued at 237.7 billion pesos.
- The annual performance of the fishing industry was attributed to the production of the three (3) sectors. The commercial sector has an increased production of 0.92 % (1.04 million MT) as compared to last year's production of 1.03 million MT) while the aquaculture sector was 2.54% (2.541 million MT) lower than the previous year's level (2.608 million MT) followed by the

municipal sector with -3.89 % (1.28 million MT).

- At the regional level, the Autonomous Region for Muslim Mindanao (ARMM) registered the highest production among all regions with its 17.4% or 845,232 metric tons share to the total fisheries production, where seaweed was the major commodity produced followed by Region IV-B (MIMAROPA) with a 14.1% share or 685,648 metric tons. Region IX recorded an output of 598,665 metric tons or 12.3% to the total fisheries production.
- In terms of value, the industry has contributed P237.7 billion in 2012 as compared to P224.7 billion in 2011. The top three (3) regions were Region III with P28.69 billion, followed by Region VI with P27.96 billion and Region XII with P23.5 billion.
- The Aquaculture fisheries sub-sector contributed the highest value of about P 92.3 billion or 38.8 %. Next is municipal fisheries sub-sector with a total production of P 79.5 billion. Total fish caught by marine fishermen was valued at P70.98 billion while inland fisheries production was valued at P8.55 billion. The commercial sub-sector contributed P65.89 billion or 27.7% to the total fishery output.

Fisheries Export and Import Performance

Exports

- Foreign trade performance of the fishery industry in 2012 registered a net surplus of 720 million dollars – total export value of 1,010 million US dollars and import value of 290 million US dollars.
- Export volume declined by 22.8% from 214,055 MT in 2011 to 165,324 MT in 2012. The three major export commodities (tuna, seaweeds, shrimp/prawn,) combined for 57% (93,763 MT) of the

total export volume (165,32 MT) and 63% (US\$637 million) of the total export value (US\$ 1,010 million) in 2011.

- Tuna remained as the top export commodity with a collective volume of 56,708 MT for fresh/chilled/frozen, smoked/dried, and canned tuna products valued at US \$414.168 million. Canned tuna, though, constitutes bulk of tuna products being exported. In general, tuna export is down by (26%) in terms of volume but higher (41%) in terms of value than the previous year. Major markets for this commodity include USA, Japan and United Kingdom.
- Seaweeds came 2nd on export value with (26.34%) decrease from US\$212.1 million in 2011 to US\$ 185.55 million in 2012 or 18% share to the total export earnings for that year. Carrageenan remains the major product being shipped abroad comprising 82% of the total seaweed export value in pesos. USA, China and Belgium are among the major markets for Philippine seaweed products.
- Shrimp/Prawn ranked 3rd with a total contribution of US\$ 37.34 million to the total export value, lower than last years export earnings of \$60.5 million. Most of the shrimps/prawns are exported in fresh/chilled/frozen form with a total value of US\$ 37.34 million or 96% of the total shrimp/prawn export revenue. The 2012 shrimp/prawn exports, however, fell by (56)% in volume (MT) and (38%) in value (USD) from the previous year's export. Japan, USA and France are among the major destination of shrimp/prawn products.
- Other major fishery exports e.g. crabs/crab fats, octopus, lapu-lapu, cuttlefish/squid, ornamental fish, roundscad and sea cucumber constitute 79% or US\$ 798.4 million of the total US\$ 1,010 million export revenues. Other commodities accounted for the remaining 21% of the total export value/earnings.

- Among the major destination of Philippine fish and fishery product exports (in terms of value) with percentage share are USA, 27.5%; Japan, 12.6%; Germany , 8%; Hongkong 7.3%; UK, 4.7%; Spain, 2.9% ; France, 1.3%, , Taiwan (ROC) 5%, Canada, 1.5%, and China, Rep Of 2.7%; . Other countries have a cumulative share of 29%.

Imports

- 65% of the total import value for 2012 was contributed by three major commodities in chilled/frozen fish, 4% , prawn feeds, 5%; as well as flour, meals and pellets of fish, crustaceans, and mollusks fit and unfit for human consumption, 7 % . These commodities have an aggregated value of US\$ 105.6 million out of the US\$ 289.77 million total import value.
- Prawn feeds were mostly sourced from Thailand, 6.6%; Taiwan, (ROC) 7.2%; Japan, 0.1 %; China, 0.2%; Hongkong, 0.8%; and USA, 3.35%; with a total of \$ 12.93 million on import value.
- Chilled/frozen fish comprise of tuna, mackerel and sardines with a total of US\$ 144.9 million . Tuna has an import value of US \$78.95 million, the largest among the three major import with a share of 28%. These were mostly supplied by Papua New Guinea 8 %; Taiwan (ROC) 6%; Japan 1.8%; Marshall Island, 2.4% and Korea Rep, 2%. Other fishery imports include mackerel, 17% and sardines 7%.
- In terms of value, in general, the Philippine fishery imports originated from the following major countries: China, 25%; Indonesia, 5%; Taiwan (ROC), 11%; Papua New Guinea, 9%; Vietnam, 13%; Japan 7% ; ; Korea, 4%; USA, 4%; and Denmark, 2%. Other countries contributed 20% to the total import value of fish and fishery products

Fishery Resources

2012 Fisheries Contribution To The Economy



Philippine Marine Jurisdictional Boundaries

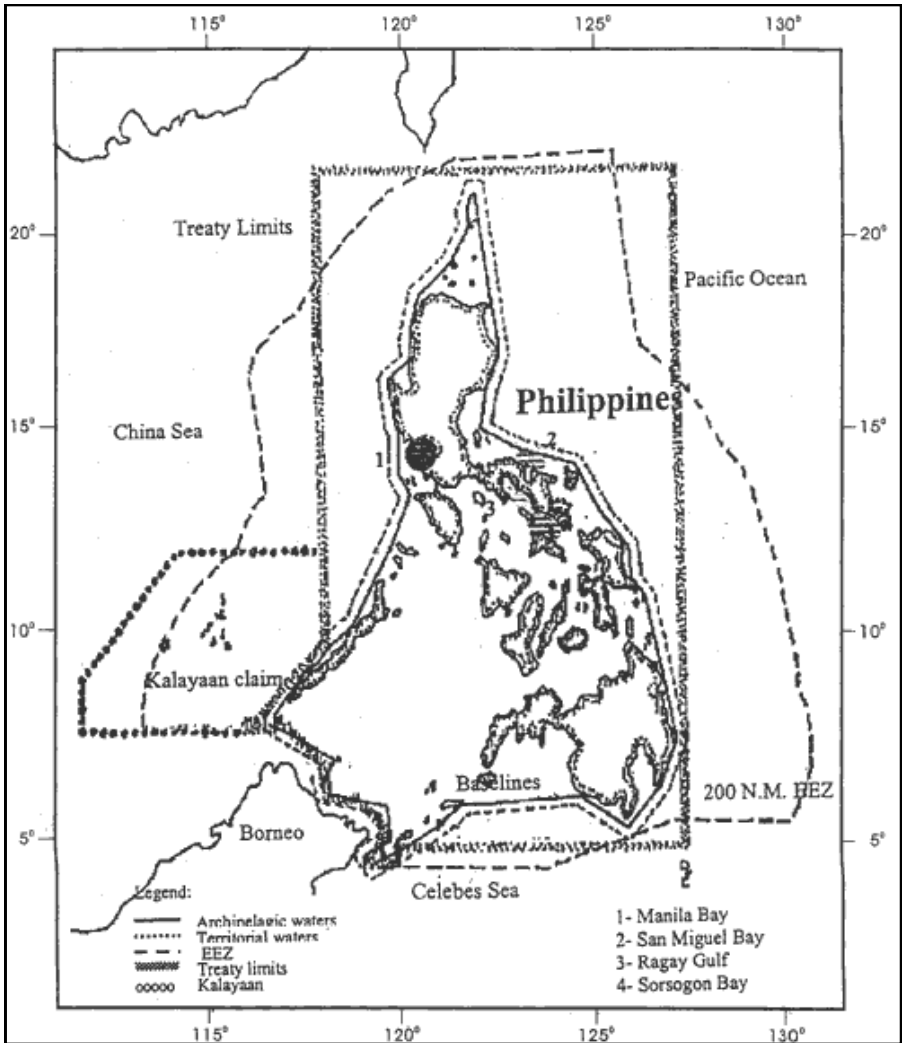


Figure 1. Map of the Philippines showing the limits of archipelagic, territorial waters treaty limits Exclusive Economic Zone (200 N. M. EEZ) and Kalayaan claim.

I. FISHERY RESOURCES

A. Marine Resources

1. Total Territorial Water Area (including the EEZ)	2,200,000 sq km
a. Coastal	266,000 sq km
b. Oceanic	1,934,000 sq km
2. Shelf Area (Depth 200 m)	184,600 sq km
3. Coral Reef Area	27,000 sq km (Within the 10-20 fathoms where reef fisheries occur)
4. Coastline (length) ^{1/}	36,289 km

B. Inland Resources

1. Swamplands	246,063 ha
a. Freshwater	106,328 ha
b. Brackishwater ^{1/}	139,735 ha
2. Existing Fishpond	253,854 ha
a. Freshwater	14,531 ha
b. Brackishwater ^{2/}	239,323 ha
3. Other Inland Resources	250,000 ha
a. Lakes	200,000 ha
b. Rivers	31,000 ha
c. Reservoirs	19,000 ha

II. FISHERIES CONTRIBUTION TO THE ECONOMY, 2012

A. Fisheries Contribution to Total GDP ^{3/}

1. At Current Prices	1.8%
2. At Constant Prices	2.1%

B. Fisheries Contribution to GVA in Agriculture, Hunting, Forestry and Fishing by Industry Group ^{3/}

Industry Group	At Current Prices (P M)	% to Agricultural Sector	At Constant Prices (P M)	% to Agricultural Sector
1. Agricultural crops (Palay, corn, coconut ,etc)	704,956	56.4	347,455	49.7
2. Livestock	152,983	12.2	93,260	13.3
3. Poultry	112,591	9.0	74,536	10.7
4. Agricultural activities	83,201	6.7	49,816	7.1
6. Forestry	3,234	0.3	3,837	0.5
5. Fishing	193,652	15.5	130,032	18.6
Total	1,250,616	100	698,937	100.0

Note: GDP at current and constant 2000 prices

C. Employment ^{4/}

Preliminary Data on the Number of Fishing Operators by Sector, 2002 *

1. Aquaculture	226,195 operators
2. Municipal	1,371,676 operators
3. Commercial	16,497 operators
Total	1,614,368 operators

* Based on 2002 Census of Fisheries

D. Balance of Trade ^{5/}

	2012			2011		
	Quantity (MT)	FOB Value (P M) (\$ M)		Quantity (MT)	FOB Value (P M) (\$ M)	
Fishery Exports	165,324	42,370	1,010	214,055	37,522	871
Fishery Imports	280,922	12,298	290	214,330	9,436	217
Trade Balance	(115,598)	30,072	720	(275)	28,086	654

E. Total Fish Production, by Sector, 2012

Sector	Quantity (MT)	%	Value Current Prices ('000 P)	%
1. Aquaculture	2,541,965.39	52.2	92,289,924.68	38.8
2. Municipal Fisheries	1,280,849.03	26.3	79,527,365.50	33.5
3. Commercial Fisheries	1,042,317.88	21.4	65,894,183.81	27.7
Total	4,865,132.30	100.0	237,711,473.99	100.0

Total Fish Production, By Sector, 2012

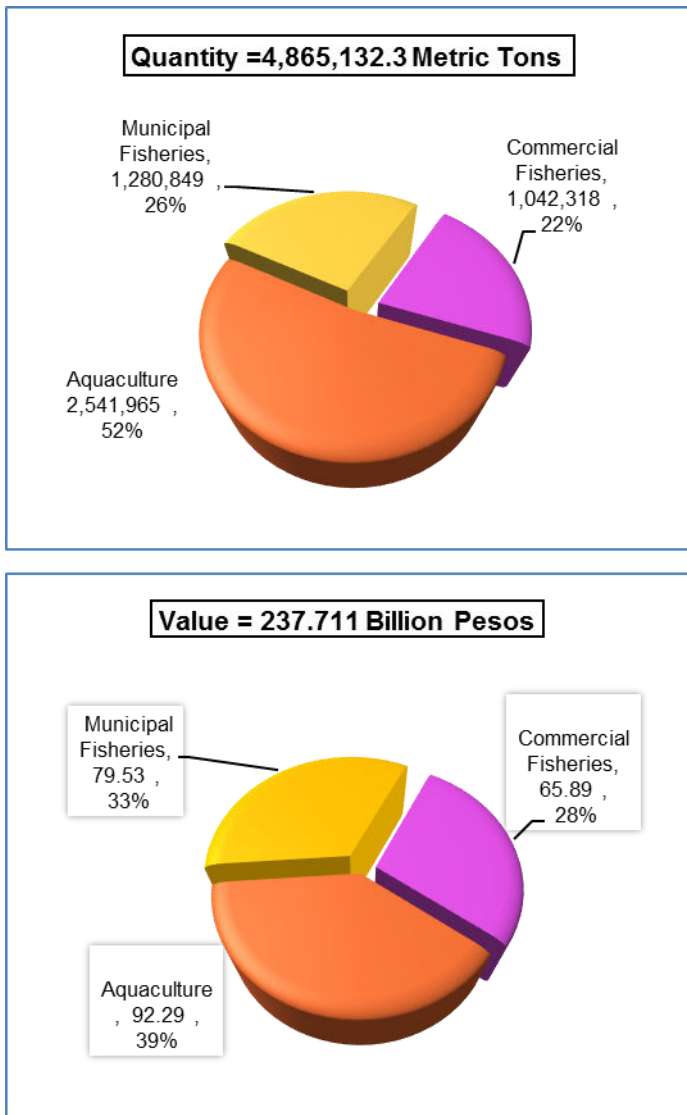


Figure 2

F. Fish Production, by Sector and Region, 2012 in (MT)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	77,237.61	6,165.63	2,803.79	86,207.03	1.8
CAR		1,035.74	2,741.91	3,777.65	0.1
I	2,648.65	33,987.70	108,908.03	145,544.38	3.0
II	12,976.91	32,224.61	14,861.21	60,062.73	1.2
III	3,366.10	40,374.37	215,654.81	259,395.28	5.3
IV-A	69,033.12	126,937.76	211,964.35	407,935.23	8.4
IV-B	44,849.72	175,855.09	464,942.74	685,647.55	14.1
V	70,168.74	145,111.09	80,032.66	295,312.49	6.1
VI	94,621.33	165,855.11	179,230.74	439,707.18	9.0
VII	38,982.98	51,863.49	145,513.85	236,360.32	4.9
VIII	53,084.41	92,806.99	54,526.12	200,417.52	4.1
IX	209,489.27	123,155.28	266,020.27	598,664.82	12.3
X	36,205.35	42,073.26	75,365.59	153,644.20	3.2
XI	15,042.91	20,871.05	31,600.12	67,514.08	1.4
XII	213,970.59	47,194.23	24,778.66	285,943.48	5.9
CARAGA	5,199.37	64,098.26	24,468.82	93,766.45	1.9
ARMM	95,440.82	111,239.37	638,551.71	845,231.90	17.4
Total	1,042,317.88	1,280,849.03	2,541,965.38	4,865,132.29	100.00

Note: For Aquaculture, Figures may not add up to the totals due to rounding off.

F.a. Value of Fish Production, by Sector and Region, 2012
(in '000 P)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	5,578,739.1	526,414.7	154,999.5	6,260,153.31	2.6
CAR	.	100,746.8	260,145.1	360,891.83	0.2
I	198,447.0	2,867,273.8	11,158,771.0	14,224,491.82	6.0
II	902,612.1	2,426,606.2	1,266,322.0	4,595,540.32	1.9
III	246,639.9	3,041,018.9	25,397,888.2	28,685,547.02	12.1
IV-A	5,773,341.8	5,030,957.7	12,039,337.1	22,843,636.59	9.6
IV-B	2,021,231.4	9,231,993.7	4,861,415.2	16,114,640.34	6.8
V	3,419,928.7	8,532,506.1	2,504,694.8	14,457,129.55	6.1
VI	6,897,616.3	12,141,909.9	8,925,082.7	27,964,608.94	11.8
VII	2,819,714.9	3,888,444.1	1,532,905.3	8,241,064.21	3.5
VIII	3,701,513.4	6,984,550.4	2,558,255.0	13,244,318.79	5.6
IX	8,337,296.6	6,562,173.0	4,400,474.9	19,299,944.51	8.1
X	2,182,320.4	2,998,521.9	7,502,852.5	12,683,694.70	5.3
XI	1,351,892.8	1,835,206.5	2,577,342.4	5,764,441.73	2.4
XII	18,748,442.8	2,777,410.4	1,986,867.6	23,512,720.77	9.9
CARAGA	373,451.4	4,391,820.8	628,124.8	5,393,396.94	2.3
ARMM	3,340,995.4	6,189,810.6	4,534,446.7	14,065,252.62	5.9
Total	65,894,183.81	79,527,365.50	92,289,924.68	237,711,473.99	100.00

G. Fish Production, by Sector 2003-2012

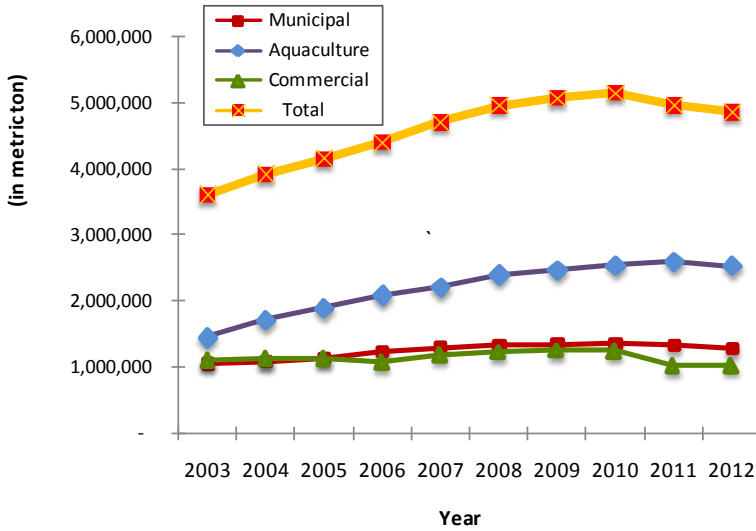
1. Volume of Fish Production (in MT)

Year	Aquaculture	Municipal	Commercial	Total
2012	2,541,965.4	1,280,849.0	1,042,317.9	4,865,132.3
2011	2,608,119.8	1,332,647.8	1,032,820.1	4,973,587.8
2010	2,545,967.1	1,371,389.8	1,242,101.8	5,159,458.7
2009	2,477,392.0	1,348,644.0	1,253,941.0	5,079,977.0
2008	2,407,697.9	1,332,986.4	1,226,204.9	4,966,889.2
2007	2,214,826.2	1,304,356.5	1,192,069.8	4,711,252.4
2006	2,092,275.8	1,235,528.8	1,080,667.7	4,408,472.3
2005	1,895,847.3	1,132,046.3	1,133,976.2	4,161,869.8
2004	1,717,026.7	1,080,764.3	1,128,382.4	3,926,173.4
2003	1,454,503.4	1,055,143.0	1,109,636.0	3,619,282.4

2. Value of Fish Production (in '000 P)

Year	Aquaculture	Municipal	Commercial	Total
2012	92,289,924.7	79,527,365.5	65,894,183.8	237,711,474.0
2011	85,996,428.0	80,075,629.8	58,623,021.0	224,695,078.9
2010	82,857,454.5	77,736,463.7	60,456,931.3	221,050,849.5
2009	81,493,357.5	75,383,741.5	58,704,969.4	215,582,068.3
2008	81,669,480.6	70,973,918.9	63,170,103.2	215,813,502.7
2007	61,597,274.2	64,210,385.6	54,737,468.3	180,545,128.2
2006	55,671,892.8	59,146,569.7	48,555,921.0	163,374,383.5
2005	49,169,787.9	49,950,423.5	47,272,737.5	146,392,948.9
2004	44,822,257.0	45,674,851.6	48,349,268.7	138,846,377.3
2003	37,199,123.0	40,664,303.0	42,002,900.0	119,866,326.0

Volume of Fish Production, By Sector 2003-2012



Value of Fish Production, By Sector 2003-2012

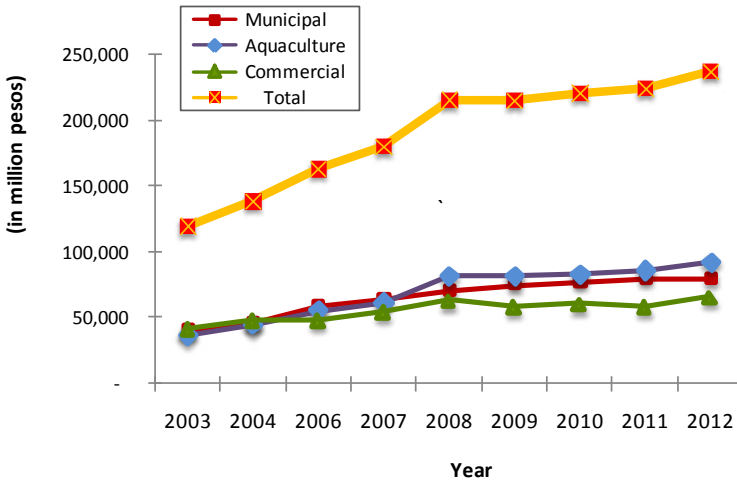


Figure 3

H. Five Year Fish Production, Trend 2008-2012

Year	Quantity (MT)	% Increase/ (Decrease)	Value ('000 P)	% Increase/ (Decrease)
2012	4,865,132	(2.2)	237,711,474	5.8
2011	4,973,588	(3.6)	224,695,079	1.6
2010	5,159,459	1.6	221,050,850	2.5
2009	5,079,977	2.3	215,582,068	(0.1)
2008	4,966,889	5.4	215,813,503	19.5

Five Year Fish Production, Trend 2008-2012

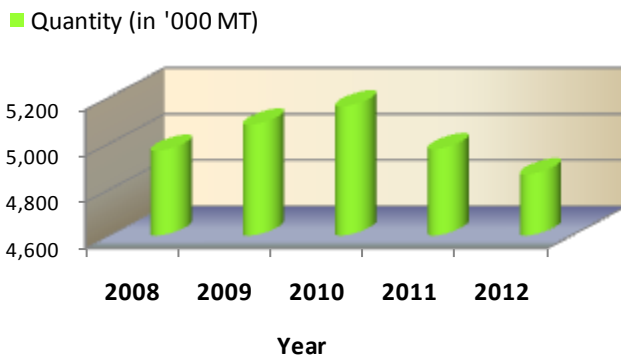


Figure 4

Aquaculture Production, 2012

This includes production from the following:

- Brackishwater fishpond
- Freshwater fishpond
- Fish pen and fish cage in fresh and marine waters
- Mariculture of oyster, mussel and seaweeds



A. SUMMARY OF AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT AND REGION, 2012 (In Metric Tons)

Region	Total Aquaculture	Brackishwater			Freshwater			Marine Waters			Oyster Mussel and Seaweed	S F R	Rice Fish
		Fish-pond	Fish cage	Fish pen	Total	Fish-pond	Fish cage	Fish pen	Total	Fish cage				Fish pen	Total
NCR	2,804	911.61			912	474.0	1154.95	1,629				263	
CAR	2,742				2,742	915.8		2,742				-	
I	108,908	21125.28	205.17	825.2	22,156	14.5	0.13	8,590	63515.0	12298.48	75,813	2,330	14.98 3.78
II	14,861	3622.36	121.47		3,744	8934.87		9,317			0	1,686	114.02
III	215,655	90816.46	-		90,816	113099.48		113,139	4305.95		4,306	7,156	168.61 69.11
IV-A	211,964	18572.34			18,572	1291.4		138,771	0.46		0	54,620	
IV-B	464,943	5118.69			5,119	675.41		675	621.12		621	458,528	
V	80,033	8393.48			8,393	1851.13		9,653	22.47	188.06	211	61,776	
VI	179,231	85350.5	7.13	35.9	85,394	1955.32		1,955	228.46	562.9	791	91,086	1.59 2.51
VII	145,514	7836.61	3.55		7,840	151.67		160	565.01	35.42	600	136,903	10.09
VIII	54,526	8523.93	52.58	13.8	8,590	219.23		283	4606.07	18.2	4,624	41,029	
IX	266,020	19247.47	0.74		19,248	141.20		146	94.84		95	246,531	
X	75,366	29836.62			29,837	1142.52		1,147	2315.38		2,315	42,065	1.47
XI	31,600	4401.18	55.5		4,457	3035.05		3,057	11070.45	10776.44	21,847	2,240	
XII	24,779	8983.39			8,983	1008.03		12,572	2687.45		2,687	507	29.49
CARAGA	24,469	2194.33	381.55	2.9	2,579	136.00		218	357.37	17.68	375	21,297	
ARMM	638,552	3567.86			3,568	218.2		5,584	34.58	1.9	36	629,363	
TOTAL	2,541,965.39	318,502.11	827.68	877.84	320,208	144,261.17		309,639	90,424.59	23,899.08	114,324	1,797,379	340.3 75.4

Note: Figures may not add up to the totals due to rounding off.

B. AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT, BY REGION AND SPECIES, 2012

1. Production from Brackishwater (in MT)

a) Fishpond

Region	Total	Milkfish	Tiger Prawn	W. Shrimp & Endeavor Prawn	Tilapia	Mudcrab	Groupers	Siganid	Others
NCR	911.61	500.31	0.08	411.22					
CAR									
I	21,125.28	17,142.80	1,347.11	82.04	1,929.63	8.18		43.54	571.98
II	3,622.36	505.76	48.43	149.68	2,294.45	55.26	0.47	18.40	549.91
III	90,816.46	53,739.34	24,813.15	483.31	6,118.56	4,017.28	3.16		1,641.66
IV-A	18,572.34	17,004.17	694.99	287.38	..	24.55	9.96		551.29
IV-B	5,118.69	4,419.12	666.66		0.03	5.58			27.30
V	8,393.48	4,926.55	1,489.13	328.55	255.83	1,390.74	0.12		2.56
VI	85,350.50	80,145.46	2,109.55	206.44	785.88	1,874.26	6.39		222.52
VII	7,836.62	5,864.21	1,087.14	9.45	163.37	4.36			708.09
VIII	8,523.93	7,653.90	262.48	-	61.23	370.73			175.59
IX	19,247.47	12,084.69	4,921.29	792.54	1,164.85	284.10			..
X	29,836.62	11,161.42	9,991.42	57.09	504.43	8,084.29			37.97
XI	4,401.18	3,950.57	26.17	44.48	174.26	3.66	0.05		201.99
XII	8,983.39	7,680.06	2.62	0.07	338.27	0.46			961.91
CARAGA	2,194.33	1,296.71	466.49	91.89	54.75	155.99			128.50
ARMM	3,567.86	2,969.08	269.93	124.13	124.53	80.19			..
TOTAL	318,502.11	231,044.15	48,196.64	2,657.05	14,381.27	16,359.63	20.15	61.94	5,781.28

b) Fish cage

Region	Total	Milkfish	Tilapia	Grouper	Siganid	Others
NCR		..	..	..	..	..
CAR		..	..	..	..	..
I	205.18	130.57	32.49	1.72	39.81	0.59
II	121.48	20.26	72.69	1.83	25.86	0.84
III	0.00	..	..	..	..	..
IV-A		..	..	..	..	..
IV-B		..	..	..	..	..
V		..	..	..	..	..
VI	7.12	..	..	6.32	0.05	0.75
VII	3.55	3.30	..	0.25	..	..
VIII	52.58	44.74	..	..	..	7.84
IX	0.74	..	..	0.24	..	0.50
X		..	..	..	..	..
XI	55.50	54.48	0.80	..	..	0.22
XII		..	..	..	..	..
CARAGA	381.55	381.55	..	..	..	..
ARMM		..	..	..	..	..
TOTAL	827.68	634.89	105.97	10.36	65.72	10.74

a/ - Volume less than .01 metric ton

c) Fish pen

Region	Total	Milkfish	Siganid	Grouper	Tilapia	Others
NCR		..	..		..	..
CAR		..	..		..	..
I	825.24	784.24	1.24		39.47	0.29
II		..	..		..	..
III		..	..		..	..
IV-A		..	..		..	..
IV-B		..	..		..	..
V		..	..		..	..
VI	35.93	35.71	..		..	0.22
VII		..	..		..	..
VIII	13.79	13.38	..		..	0.41
IX		..	..		..	..
X		..	..		..	..
XI	0.00	..	..		..	..
XII		..	..		..	..
CARAGA	2.90	2.12	..		0.75	0.03
ARMM		..	..		..	..
TOTAL	877.84	835.44	1.24	0.00	40.22	0.94

2. Production from Freshwater (in MT)

a) Fishpond

Region	Total	Tilapia	Milkfish	Carp	Catfish	Mudfish	Gourami	Fresh-water Shrimp (Ulang)	Others
NCR		..	..	..	..	..	..	..	..
CAR	1,826.09	1,822.10	..	0.31	2.20	..	..	..	1.48
I	8,575.58	8,480.67	3.15	30.49	5.38	54.16	1.49	a/	0.24
II	8,934.87	8,681.17	..	11.35	171.69	39.77	0.65	4.12	26.12
III	113,099.47	110,894.34	..	224.53	1,159.08	623.83	177.84	..	19.85
IV-A	1,291.39	1,161.13	..	3.08	124.02	0.34	..	0.12	2.70
IV-B	675.41	675.30	..	-	0.01	0.10	..	..	..
V	1,851.14	1,715.10	..	..	120.04	..	..	..	16.00
VI	1,955.32	819.46	..	..	1,130.49	0.11	..	0.28	4.98
VII	151.67	148.06	3.00	0.06	0.13	0.38	..	..	0.04
VIII	219.22	213.78	..	..	5.44	..	..	..	..
IX	141.21	88.70	..	1.58	7.88	43.04	..	..	0.01
X	1,142.51	994.56	..	80.78	5.62	61.37	0.08	..	0.10
XI	3,035.04	2,530.20	..	11.68	448.87	40.08	2.18	..	2.03
XII	1,008.03	662.95	..	2.43	280.84	51.20	1.24	..	9.37
CARAGA	135.99	132.82	0.08	1.33	0.28	1.00	..	..	0.48
ARMM	218.20	84.81	..	..	133.39	..	..	..	..
TOTAL	144,261.17	139,105.16	6.23	367.62	3,595.36	915.39	183.48	4.53	83.40

b) Fish cage

Region	Total	Tilapia	Milkfish	Carp	Catfish	Others
NCR	473.97	389.07	..	84.90		..
CAR	915.82	915.82	..	..		..
I	14.52	14.52	..	..		..
II	382.16	382.16	..	..		..
III	39.32	39.32	..	..		..
IV-A	89,166.87	73,803.85	13,695.69	1,667.33		..
IV-B	0.00	..	..	..		..
V	7,801.94	7,792.68	..	9.26		..
VI	0.00	..	..	..		..
VII	7.83	7.83	..	..		..
VIII	50.39	50.39	..	..		..
IX	0.00	..	..	..		..
X	4.71	4.71	..	..		..
XI	1.78	1.77	..	..		0.01
XII	1,488.10	1,485.55	..	..	0.16	2.39
CARAGA	82.41	81.03	..	..		1.38
ARMM	252.34	192.14	60.20	..		..
TOTAL	100,682.16	85,160.84	13,755.89	1,761.49	0.16	3.78

c) Fish pen

Region	Total	Tilapia	Milkfish	Carp	Catfish	Others
NCR	1,154.95	..	1,154.95			..
CAR	-	..	..			..
I	0.13	0.13	..			..
II	-	..	..			..
III	-	..	..			..
IV-A	48,312.81	12,494.96	20,267.41	15,550.44		..
IV-B	-	..	..			..
V	-	..	..			..
VI	-	..	..			..
VII	0.97	0.97	..			..
VIII	13.35	13.35	..			..
IX	4.92	1.53	..			3.39
X	-	..	..			..
XI	19.72	19.42	..			0.30
XII	10,075.39	5,002.10	5,073.29			..
CARAGA	-	..	..			..
ARMM	5,113.41	3,847.02	1,266.39			..
TOTAL	64,695.67	21,379.49	27,762.05	15,550.44	-	3.69

d) Small-farm Reservoir

Region	Total	Tilapia	Milkfish	Carp	Catfish	Gourami	Mudfish	F. Shrimp (Ulang)	White Shrimps	Others
I	14.98	8.61		1.21	0.30	0.01	4.84			0.01
II	114.04	89.48		12.81	3.92	1.42	5.22	0.20	0.89	0.10
III	168.62	164.09		1.00	2.03	1.50				
VI	1.59	1.05			0.54					
VII	10.08	9.53		0.18	0.14		0.23			
X	1.46	1.43			0.01		0.02			
XII	29.49	19.67		1.85	1.95	1.69	4.33			
TOTAL	340.25	293.86	0.00	17.05	8.89	4.62	14.63	0.20	0.89	0.11

e) Rice Fish

Region	Total	Tilapia	Carp	Catfish	Gourami	Mudfish	Others
I	3.78	2.35	0.29	0.18	0.41	0.28	0.27
III	69.11	57.00	7.00	1.96	1.71	1.44	
VI	2.51	2.49		0.01		0.01	
VIII							
XI							
TOTAL	75.40	61.84	7.29	2.15	2.12	1.73	0.27

3. Production from Marine Waters (in MT)

a) Fish cage

Region	Total	Milkfish	Grouper	Siganid	Snapper	Cavalla	Mud crab	Spiny lobster	Tiger Prawn	Tilapia	Others
NCR											..
CAR											..
I	63,514.99	63,501.51			1.37						12.11
II	0.00	..									..
III	4,305.95	4,305.95									..
IV-A	1.27	..	0.46		0.15	0.66					..
IV-B	620.31	26.50	593.62	0.19							..
V	22.46	0.21	13.71	0.02		8.45		0.07			..
VI	228.46	146.23	59.50	..	21.36	1.37					..
VII	565.01	553.40	4.16	3.16	0.35				0.75	3.19	..
VIII	4,606.06	4,125.71	480.35	..							..
IX	94.84	0.31	90.29	4.24							..
X	2,315.38	2,313.94	0.15	1.29							..
XI	11,070.44	11,040.88	0.27	21.50		a/			6.26	1.53	..
XII	2,687.46	2,455.60	0.25	..							231.61
CARAGA	357.37	337.57	7.85	4.55				7.40			..
ARMM	34.57	3.60	2.24	..		3.33		25.40			..
TOTAL	90,424.59	88,811.41	1,252.86	34.95	23.23	13.82	0.00	32.87	0.00	7.01	248.44

b) Fish pen

Region	Total	Milkfish	Grouper	Siganid	Snapper	Cavalla	Spiny Lobster	Tiger Prawn	Tilapia	Others
NCR										
CAR										
I	12,298.48	12,298.48								
II	0.00									
III	0.00									
IV-A	0.00									
IV-B	0.00									
V	188.06	188.06								
VI	562.90	562.90								
VII	35.42	34.97	0.39		0.03					0.03
VIII	18.20	18.20								
IX	0.00									
X	0.00									
XI	10,776.43	10,776.25		0.18						
XII	0.00									
CARAGA	17.68		6.62	5.31	0.95		4.80			
ARMM	1.90					1.45	0.45			
TOTAL	23,899.07	23,878.86	7.01	5.49	0.98	1.45	5.25	0.00	0.00	0.03

4. Production from Mariculture (in MT)

Region	Total	Oyster	Mussels	Seaweeds
NCR	263.27	..	263.27	..
CAR	-			
I	2,329.90	1,532.83	728.03	69.04
II	1,686.33	547.56	..	1,138.77
III	7,155.86	4,952.35	1,007.98	1,195.53
IV-A	54,620.48	1,428.59	8,060.86	45,131.03
IV-B	458,527.52	..	..	458,527.52
V	61,775.57	..	272.07	61,503.50
VI	91,086.41	10,865.18	8,508.76	71,712.47
VII	136,902.70	743.62	..	136,159.08
VIII	41,028.59	46.82	6,809.70	34,172.07
IX	246,531.09	226.78	..	246,304.31
X	42,064.89	1.79	9.77	42,053.33
XI	2,240.01	302.84		1,937.17
XII	506.80			506.80
CARAGA	21,296.59			21,296.59
ARMM	629,363.41			629,363.41
TOTAL	1,797,379.42	20,648.37	25,660.44	1,751,070.64

C. AQUACULTURE PRODUCTION OF MAJOR COMMODITIES BY CULTURE ENVIRONMENT AND BY REGION, 2012
(In Metric Tons)

Milkfish

Region	Total	Brackishwater		Freshwater		Marine		Small Farm Reservoir
		Fishpond	Fish cage	Fishpond	Fish cage	Fish cage	Fish pen	
NCR	1,655.246	500.31	..	..	1,154.95	..	..	..
CAR	0.00	..	..	..	..	..	..	..
I	93,860.75	17,142.80	130.57	3.15	..	63,501.51	12,298.48	..
II	526.02	505.76	20.26	..	..	..	..	..
III	58,045.29	53,739.34	..	..	..	4,305.95	..	..
IV-A	50,967.27	17,004.17	..	..	13,695.69	..	..	..
IV-B	4,445.62	4,419.12	..	..	..	26.50	..	..
V	5,114.82	4,926.55	..	..	..	0.21	188.06	..
VI	80,890.30	80,145.46	..	..	..	146.23	562.90	..
VII	6,458.88	5,864.21	3.30	3.00	..	553.40	34.97	..
VIII	11,855.93	7,653.90	44.74	13.38	..	4,125.71	18.20	..
IX	12,085.00	12,084.69	..	..	..	0.31	..	..
X	13,475.36	11,161.42	..	..	..	2,313.94	..	..
XI	25,822.18	3,950.57	54.48	..	..	11,040.88	10,776.25	..
XII	15,208.95	7,680.06	..	..	5,073.29	2,455.60	..	..
CARAGA	2,018.03	1,296.71	381.55	2.12	0.08	337.57	..	..
ARMM	4,299.27	2,969.08	..	..	..	3.60	1,266.39	..
TOTAL	386,728.93	231,044.15	634.90	835.44	6.23	13,755.89	27,762.04	23,878.86

Tilapia

Region	Total	Brackishwater		Freshwater		Small-farm Reservoir	Rice Fish	Marine Fish cage Fish pen
		Fishpond	Fish cage	Fish pond	Fish cage				Fish pen
NCR	800.29	411.22	..	..	389.07	..	..	..
CAR	2,737.92	..	..	1,822.10	915.82	..	..	..
I	10,507.87	1,929.63	32.49	8,480.67	14.52	0.13	2.35	..
II	11,519.95	2,294.45	72.69	8,681.17	382.16	..	..	..
III	117,273.31	6,118.56	..	110,894.34	39.32	164.09	57.00	..
IV-A	87,459.94	..	..	1,161.13	73,803.85	12,494.96	..	..
IV-B	675.33	0.03	..	675.30	..	..	..	..
V	9,763.61	255.83	..	1,715.10	7,792.68	..	..	..
VI	1,608.88	785.88	..	819.46	..	..	2.49	..
VII	330.51	163.37	..	148.06	7.83	0.97	..	0.75
VIII	338.75	61.23	..	213.78	50.39	13.35	..	..
IX	1,255.08	1,164.85	..	88.70	..	1.53	..	..
X	1,505.13	504.43	..	994.56	4.71	..	1.43	..
XI	2,732.71	174.26	0.80	2,530.20	1.77	19.42	..	..
XII	7,508.54	338.27	..	662.95	1,485.55	5,002.10	19.67	..
CARAGA	269.35	54.75	0.75	132.82	81.03	..	..	..
ARMM	4,248.50	124.53	..	84.81	192.14	3,847.02	..	..
TOTAL	260,595.67	14,381.27	105.97	139,105.16	85,160.84	21,379.49	293.86	7.01

Seaweeds

Region	Total
NCR	..
CAR	..
I	69.04
II	1,138.77
III	1,195.53
IV-A	45,131.03
IV-B	458,527.52
V	61,503.50
VI	71,712.47
VII	136,159.08
VIII	34,172.07
IX	246,304.31
X	42,053.33
XI	1,937.17
XII	506.80
CARAGA	21,296.59
ARMM	629,363.41
TOTAL	1,751,070.64

D. MAJOR SPECIES PRODUCED IN AQUACULTURE FISHERIES, 2012

Species	Quantity (MT)	Percent (%)
Seaweeds	1,751,070.64	68.89
Milkfish	386,728.94	15.21
Tilapia	260,535.67	10.25
Shrimps/Prawns	50,853.69	2.00
Others	92,776.45	3.65
Total	2,541,965.39	100.00

E. AREA AND LOCATION OF MAJOR LAKES IN THE PHILIPPINES ^{7/}

Rank	Name of Lakes	Area (HA)	Location
1	Laguna de Bay	90,000	Laguna & Rizal
2	Lanao	34,700	Marawi City, Lanao del Sur
3	Taal	23,400	Batangas
4	Mainit	14,000	Agusan del Norte & Surigao del Norte
5	Naujan	11,000	Mindoro Oriental
6	Buluan	6,500	Sultan Kudarat & Maguindanao
7	Bato	3,800	Iriga City, Camarines Sur
8	Buhi	1,800	Iriga City, Camarines Sur
9	Dapao	1,000	Ganassi, Lanao del Sur
10	Sebu	964	South Cotabato
11	Wood	792	Pagadian City, Zamboanga del Sur
12	Manguao	643	Taytay, Palawan
13	Baao	600	Baao, Camarines Sur
14	Paoay	420	Ilocos Norte
15	Maughan	314	Gen. Santos City, South Cotabato
16	Danao	260	Camotes Island, Cebu
17	Pagusi	253	Santiago, Agusan del Norte
18	Pinamaloy	252	Maramag, Bukidnon
19	Balut	206	Parang, Maguindanao
20	Imelda/Danao	197	Ormoc City, Leyte
21	Bito	150	Tacloban City, Leyte
22	Nunungan	148	Ganassi, Lanao del Norte
23	Sampaloc	102	San Pablo City, Laguna

**Only those with an area greater than 100 hectares are listed.*

Source: *Directory of Philippine Wetlands, Volume II*
 Published by Asian Wetland Bureau Philippines Foundation Inc. (DENR Library)

Municipal Fisheries Production,

This includes fishing done in coastal and inland waters with or without the use of boats of 3 gross tons or less.



**A. MUNICIPAL FISHERIES PRODUCTION, BY REGION, 201
(in MT)**

Region	Marine	Inland	Total
NCR	6,165.63	.	6,165.63
CAR	.	1,035.74	1,035.74
I	31,849.91	2,137.79	33,987.70
II	18,916.62	13,307.99	32,224.61
III	27,766.09	12,608.28	40,374.37
IV-A	36,486.27	90,451.49	126,937.76
IV-B	174,898.30	956.79	175,855.09
V	138,752.03	6,359.06	145,111.09
VI	156,614.21	9,240.90	165,855.11
VII	51,659.23	204.26	51,863.49
VIII	91,861.82	945.17	92,806.99
IX	122,236.37	918.91	123,155.28
X	38,089.42	3,983.84	42,073.26
XI	20,608.16	262.89	20,871.05
XII	21,009.12	26,185.11	47,194.23
CARAGA	59,675.23	4,423.03	64,098.26
ARMM	86,838.14	24,401.23	111,239.37
TOTAL	1,083,426.55	197,422.48	1,280,849.03

**B. MARINE MUNICIPAL FISH CATCH,
BY MAJOR FISH SPECIES, 2012**

Major Species	Total (MT)	% to Total
Frigate Tuna (Tulingan)	59,118.8	5.5
Big-eyed Scad (Matang-baka)	72,058.9	6.7
Roundskad (Galunggong)	66,328.6	6.1
Indian Sardines (Tamban)	70,898.4	6.5
Indian Mackerel (Alumahan)	42,530.3	3.9
Anchovies (Dilis)	44,014.8	4.1
Yellowfin tuna (Tambakol)	45,757.3	4.2
Squid (Pusit)	41,388.7	3.8
Fimbriated Sardines (Tunsoy)	47,088.0	4.3
Slipmouth (Sapsap)	39,286.4	3.6
Others	554,956.5	51.2
Total	1,083,426.6	100.0

**C. NUMBER OF MUNICIPAL FISHING BANCAS,
BY REGION, 2000 ^{8/}**

Region	Total	Motorized	Non-Motorized
CAR	660	49	611
I	17,678	11,641	6,037
II	3,304	1,502	1,802
III	27,038	18,375	8,663
IV	69,927	26,569	43,358
V	54,715	19,453	35,262
VI	41,808	16,234	25,574
VII	56,142	19,100	37,042
VIII	58,068	16,255	41,813
IX	45,650	13,280	32,370
X	9,041	2,472	6,569
XI	24,099	11,382	12,717
XII	10,759	2,671	8,088
XIII	31,283	11,202	20,081
ARMM	19,635	7,442	12,193
Total	469,807	177,627	292,180
Percent			
%	100	38	62

Commercial Fisheries Production, 2012

Fishing with the use of fishing vessels
more than 3 gross tons.



**A. COMMERCIAL FISH PRODUCTION, BY REGION AND
BY TYPE OF LANDING CENTERS, 2012
(in MT)**

Region	Total	Private	PFDA	LGU	Traditional
NCR	77,237.61	-	74,043.90		3,193.71
CAR	-				
I	2,648.65	-	503.11		2,145.54
II	12,976.91	-			12,976.91
III	3,366.10	2,653.54		93.30	619.26
IV-A	69,033.12	566.58	10,083.94	7,093.29	51,289.31
IV-B	44,849.72	-			44,849.72
V	70,168.74	11,110.95		19,874.43	39,183.36
VI	94,621.33	4,606.77	3,583.00	23,616.21	62,815.35
VII	38,982.98			2,996.66	35,986.32
VIII	53,084.41	1,236.18		20.45	51,827.78
IX	209,489.27	139,446.57	6,553.67	29,152.32	34,336.71
X	36,205.35			7,080.82	29,124.53
XI	15,042.91	1,400.71	3,093.54	7,744.17	2,804.49
XII	213,970.59	69,210.99	139,582.45		5,177.15
CARAGA	5,199.37	-			5,199.37
ARMM	95,440.82	-			95,440.82
TOTAL	1,042,317.88	230,232.29	237,443.61	97,671.65	476,970.33

B. COMMERCIAL FISHERIES PRODUCTION, BY MAJOR FISH SPECIES, 2012

Major Species	Total (MT)	% to Total
1. Roundscad (Galunggong)	167,152.7	16.0
2. Indian Sardines (Tamban)	175,159.5	16.8
3. Frigate Tuna (Tulingan)	72,572.6	7.0
4. Skipjack (Gulyasan)	165,105.3	15.8
5. Yellowfin Tuna (Tambakol/Bariles)	79,508.7	7.6
6. Big-eyed Scad (Matang-baka)	42,795.5	4.1
7. Fimbriated Sardines (Tunsoy)	48,440.8	4.6
8. Slipmouth (Sapsap)	17,672.8	1.7
9. Eastern Little Tuna (Bonito)	21,650.3	2.1
10. Indian Mackerel (Alumahan)	36,268.9	3.5
11. Indo-pacific Mackerel (Hasa-hasa)	16,710.5	1.6
12. Other Species	199,280.5	19.1
Total	1,042,318.0	100.0



**NUMBER OF COMMERCIAL FISHING OPERATORS
AND VESSELS, BY REGION, AS OF 2007 ^{9/}**

Region	No. of Operators	No. of Vessels
NCR	138	758
CAR	4	6
I	36	74
II	68	111
III	50	137
IV-A	153	226
IV-B	259	455
V	248	387
VI	238	667
VII	278	565
VIII	240	350
IX	100	454
X	93	136
XI	89	269
XII	323	1717
CARAGA	31	41
ARMM	10	18
TOTAL	2,358	6,371

External Trade



1. Export of Fish and Fishery Products by Kind, Quantity and Value, 2012

Commodity/Kind	Quantity MT	FOB Value	
		('000 \$)	('000 Pesos)
A. Fish, Crustaceans, Molluscs, etc. and Preparation	126,534 	817,959	34,305,204
A.1 Fish, fresh (live/dead), Chilled/Frozen	49,817	250,573	10,509,039
A.2 Fish, dried, salted/in brine; smoked fish	2,169	14,936	626,404
A.3 Crustaceans, molluscs and aquatic invertebrates, chilled/froze	22,903	157,416	6,602,024
A.4 Fish and other aquatic invertebrate, prepared/ preserved	51,646	395,034	16,567,737
B. Shells and by-products	3,622	4,526	189,832
C. Miscellaneous fishery products and other by-products/ishery products	35,168	187,762	7,874,733
Grand Total	165,324 	1,010,247	42,369,769

2. Major Fishery Exports in Terms of Value, 2012

Commodity/Kind	Quantity MT	FOB Value	
		('000 \$)	('000 Pesos)
1. Tuna	56,708	414,168	17,370,199
Fresh/chilled/frozen (excludes fillet)	17,912	107,189	4,495,498
Smoked		-	
Prepared/preserved	38,796	306,979	12,874,701
2. Seaweeds	34,128	185,551	7,781,989
Seaweeds and other Algae, nes.	20,874	1,078	45,208
Seaweeds for human consumption	355	1,078	1,284,343
Carrageenan	12,899	30,623	6,452,438
3. Shrimps/Prawns	2,985	37,342	1,566,124
Fresh/ chilled or frozen, nes	2,844	35,686	1,496,687
Dried	112	1,259	52,790
Prepared and preserved	29	397	16,647
4. Crabs/crabs fat & crab meat	6,915	37,348	2,890,306
Live, Frozen/Fresh or Chilled	5,207	37,348	1,566,382
Crab fat (Prepared/presrd)	26	82	3,438
Crab meat (Prepared/presrd)	1,682	31,485	1,320,486
5. Octopus	4,586	21,509	902,102
Live, Fresh or chilled	2	19	805
Dried, salted or in brine		-	
Frozen	4,584	21,490	901,297
6. Grouper	8,709	33,278	1,395,667
Live (other than fry)		-	-
For breeding, live	1	3	126
Breeder	8,708	33,275	1,395,541
Other than for breeding		-	
7. Squid and Cuttlefish	4,131	23,375	980,353
Live	0.40	6	272
Fresh/chilled/frozen/dried	3,920	21,937	920,053
Prepared/preserved	211	1,431	60,028
8. Ornamental Fish, Live	6,049	7,152	299,958
9. Roundscad	461	1,463	61,366
Frozen	357	1,209	50,714
Smoked	96	208	8,743
Dried	7	46	1,909
10. Sea Cucumber, Dried	435	5,682	238,289
Total major commodities	125,107	798,435	33,486,353
Total of other commodities	40,217	211,812	8,883,416
Grand Total	165,324	1,010,247	42,369,769

a/ - volume less than 1 metric ton

3. Major Destination of Top Three Fishery Exports by Kind, Quantity and Value, 2012

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
1. Tuna	56,708	414,168	17,370,199
Fresh/chilled/frozen	17,912	107,189	4,495,498
Japan	2,314	13,565	568,902
U S A	3,140	49,141	2,060,989
Indonesia	931	2,447	102,612
Thailand	397	2,175	91,210
Hongkong	257	1,160	48,648
France	845	2,264	94,935
Taiwan	a/	1	40
Uk Great Britain And N. Ireland	16	59	2,491
Germany	343	1,742	73,042
Vietnam	328	1,365	57,269
Others	9,341	33,270	1,395,360
Prepared/Preserved	38,796	306,979	12,874,701
U S A	11,268	81,188	3,405,024
Canada	507	5,489	230,190
Japan	1,940	28,510	1,195,715
South Africa	151	1,918	80,431
Germany	8,373	69,930	2,932,844
Taiwan	121	394	16,518
United Kingdom	5,640	35,789	1,501,009
Netherlands	1,146	12,827	537,982
Kuwait	878	3,585	150,359
Others	8,772	67,349	2,824,629
Dried/Smoked	-	-	-
Australia			
New Zealand			

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
2. Seaweeds	34,128	185,551	7,781,989
Seaweeds and Other Algae			
Euचेuma Chips	355	1,078	45,208
China, People'S Republic Of	64	51	2,139
France	140	183	7,654
Taiwan (Republic Of China)	2	3	143
Spain	149	841	35,272
Other Euचेuma	17,977	7,047	295,555
China, People'S Republic Of	13,167	4,168	174,811
Others	4,810.02	2,878.98	120,744
Seaweeds, Fresh, Chilled/Frozen or Dried	2,599	17,203	721,491
USA	2,551	3,714	155,773
Japan	5	26	1,097
Spain	611	3,371	141,389
Others	5,766	10,091	423,232
Carrageenan (Semi-Rrefined & Refined)	12,899	153,849	6,452,438
USA	2,712	36,021	1,510,717
Uk Great Britain And N. Ireland	710	4,718	197,883
Belgium	1,286	10,622	445,488
Germany	504	6,030	252,883
France	495	5,780	242,407
Canada	76	1,210	50,757
Mexico	430	5,813	243,812
Australia	288	4,110	172,365
Brazil	542	4,283	179,647
China, People'S Republic Of	279	2,551	106,982
Others	5,577	72,711	3,049,497
Kelp Powder	223	167	7,003
Japan	197	155	6,498
United Kingdom	26	12	505

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
3. Shrimps/Prawns	2,985	37,342	1,566,124
Frozen	2,724	34,055	1,428,281
Japan	1,558	24,042	1,008,325
U S A	351	3,323	139,381
Korea	83	727	30,490
Hongkong	118	878	36,808
Guam	54	795	33,340
Trust Territory of the Pacific Is.	33	367	15,383
Canada	61	747	31,332
Taiwan	161	806	33,784
France	104	1,679	70,424
Others	201	692	29,014
Fresh or chilled	120	1,631	68,406
Korea	a/	1	51
Hongkong	1	17	699
Guam	2	9	358
United Arab Emirates	112	1,582	66,330
Others	5	23	968
Other Than Fresh/Chilled or Frozen	112	1,259	52,790
Japan	101	1,220	51,164
Taiwan	7	5	208
United States Of America	1	5	213
Others	3	29	1,205
Prepared and Preserved	29	397	16,647
Thailand	19	128	5,386
U S A	7	189	7,943
Others	3	79	3,318
Total (3) major commodities	93,821	637,060	26,718,312
Total other commodities	71,503	373,187	15,651,457
Grand Total	165,324	1,010,247	42,369,769

a/ Volume less than 1 metric ton

4. Fishery Exports, by Major Country of Destination in Terms of Value, 2012

Country/Destination	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
United States Of America	36,398	270,758	11,355,598
Japan (Excludes Okinawa)	11,538	123,495	5,179,361
Germany	9,582	79,167	3,320,255
Hongkong	16,238	71,751	3,009,249
Uk Great Britain And N. Ireland	7,252	45,744	1,918,495
Spain	5,512	28,731	1,204,988
France	3,481	12,680	531,780
Taiwan (Republic Of China)	7,471	24,510	1,027,958
Canada	2,659	14,708	616,856
China, People'S Republic Of	19,167	26,350	1,105,120
Belgium	2,184	19,723	827,176
Indonesia	1,359	7,429	311,585
Italy	3,966	23,109	969,178
Singapore	3,221	14,337	601,284
Thailand	2,757	25,528	1,070,645
Korea, Republic Of South	2,073	14,399	603,879
Denmark	1,390	13,634	571,793
United Arab Emirates	1,547	6,851	287,330
Papua New Guinea	1,795	5,267	220,886
Vietnam	2,197	7,861	329,702
Total Major Countries	141,786	697,894	29,269,660
Other Countries	23,538	285,620	13,100,109
Grand Total	165,324	983,514	42,369,769

Major Fisheries Export in terms of Value, 2012

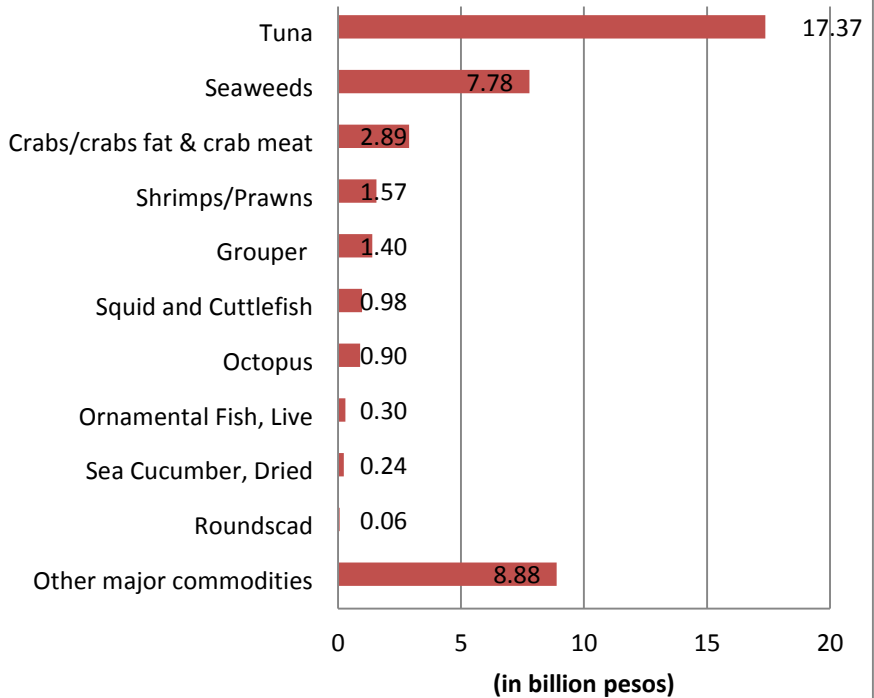


Figure 5

B. IMPORTS ^{5/}

1. Import of Fish and Fishery Products By Kind, Quantity and Value, 2012

Commodity/Kind	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
● Fish Crustaceans, Mollusks, etc. and Preparation	241,138	231,215	9,812,779
a. Fish fresh (live or dead) chilled or frozen	213,625	195,222	8,285,236
b. Fish, dried, salted or in brine, smoked fish	289	308	13,078
c. Crustaceans, mollusks and aquatic invertebrates	23,271	31,780	1,348,762
d. Fish and other aquatic invertebrate, prepared/ preserved	3,953	3,904	165,703
● Shells and By-Products	608	214	9,088
● Miscellaneous and Other Fishery Products	39,176	58,340	2,475,936
Grand Total	280,922	289,769	12,297,803

Note: Figures may not add up due to rounding off

2. Major Fishery Imports in Terms of Value, 2012

Commodity/Kind	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
1. Chilled/Frozen Fish	183,894	144,922	6,150,476
A. Tuna	56,478	78,954	3,350,824
Indonesia	256	506	21,493
Taiwan	16,040	28,788	1,221,780
Papua New Guinea	21,952	25,330	1,074,985
Japan (Excludes Okinawa)	4,922	10,562	448,265
Korea,	4,626	8,470	359,477
Singapore	536	992	42,093
China, People'S Rep. Of	6,832	2,790	118,411
Marshall Islands	232	545	23,116
Vietnam	802	435	18,463
Others	280	536	22,741
B. Mackerel	90,869	46,807	1,986,477
China, People'S Rep. Of	73,940	32,738	1,389,383
Japan	8,889	8,773	372,318
Taiwan	971	384	16,300
Korea	1,989	1,177	49,945
Mexico	300	201	8,523
U S A	267	149	6,340
Vietnam	3,433	2,068	87,770
Others	1,080	1,317	55,898
C. Sardines	36,547	19,161	813,175
Mexico	492	295	12,500
U S A	47	45	1,913
China, People'S Republic Of	24,878	11,921	505,946
Japan	1,306	1,097	46,558
Others	9,824	5,802	246,258

Commodity/Kind	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
2. Prawn feeds	11,408	12,928	548,654
Taiwan	827	919	38,992
China, People'S Rep. Of	20	9	375
U S A	382	302	12,816
Thailand	9,883	11,469	486,759
Malaysia	12	54	2,273
Japan	9	3	122
Hongkong	89	21	891
Others	186	151	6,426
3. Flour, meals & pellets of fish, crustaceans & molluscs			
fit or unfit for human consumption	13,970	13,697	581,318
Peru	2,125	2,727	115,723
Chile	405	415	17,612
U S A	967	663	28,128
Thailand	3,858	3,476	147,515
Denmark	1,130	2,142	90,901
Malaysia	2	1	48
China, People's Rep. of	354	192	8,166
New Zealand	309	208	8,834
Taiwan	149	50	2,142
Germany	694	399	16,952
Korea, Rep. of South	1,362	871	36,978
Italy	245	151	6,410
Others	2,370	2,401	101,909
		-	
Total major imports	209,272	105,580	4,480,796
Other Commodities	71,650	184,190	7,817,007
Grand Total	280,922	289,769	12,297,803

3. Fishery Imports, by Major Country of Origin in Terms of Value, 2012

Major Countries	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
China, People'S Republic Of	123,879	72,425	3,073,714
Indonesia	8,059	14,625	620,700
Taiwan (Republic Of China)	18,470	30,852	1,309,353
Papua New Guinea	21,952	25,456	1,080,361
Vietnam	19,468	36,415	1,545,470
Japan (Excludes Okinawa)	15,758	21,650	918,807
Korea, Republic Of South	9,306	12,098	513,458
United States Of America	11,436	12,966	550,260
Denmark	1,358	4,868	206,579
Singapore	1,155	2,222	94,303
Chile	5,540	5,540	235,134
Norway	3,162	7,659	325,030
Peru	2,538	3,239	137,461
Thailand	15,943	17,967	762,503
New Zealand	1,063	1,845	78,320
Malaysia	631	611	25,937
Marshall Islands, Rep. Of	340	849	36,046
Germany	849	552	23,427
Italy	282	249	10,548
Hongkong	427	732	31,052
Total Major Countries	261,618	272,820	11,578,464
Other Countries	19,304	16,950	719,339
Total	280,922	289,769	12,297,803

Other Fishery Information



A. FOOD CONSUMPTION ^{10/}

1. Mean One Day Per Capita Food Consumption, Philippines, 2003

Food Group/Subgroup	Consumption		% of Total Food Intake
	(Raw, As Purchased) *		
	kg/yr	g/day	
Cereals and Cereal Products	133	364	41.1
Rice and Products	111	303	34.2
Corn and Products	11	31	3.5
Other Cereals and Products	11	30	3.4
Starchy Roots and Tubers	7	19	2.2
Sugar and Syrups	9	24	2.7
Fats and Oils	7	18	2
Fish, Meat and Poultry	67	185	20.9
Fish and Products	38	104	11.7
Meat and Products	22	61	6.9
Poultry	7	20	2.3
Eggs	5	13	1.5
Milk and Milk Products	18	49	5.6
Whole Milk	13	35	4
Milk Products	5	14	1.6
Dried Beans, Nuts and Seeds	4	10	1.1
Vegetables	40	111	12.5
Green Leafy and Yellow Vegetables	11	31	3.5
Other Vegetables	29	80	9
Fruits	20	54	6.1
Vitamin C-Rich Fruits	4	12	1.4
Other Fruits	16	42	4.7
Miscellaneous	14	39	4.4
Beverages	9	26	2.9
Condiments	4	10	1.2
Others	1	3	0.3
Total Food	<u>324</u>	<u>886</u>	<u>100</u>

* As available in the kitchen including inedible and edible wastage.

2. Comparison of Mean One- Day per Capita Food Consumption: 1987, 1993, 2003

Food Group/Subgroup	Consumption, g		
	(Raw, "as Purchased")		
	1987	1993	2003
All Foods	869	803	886
Cereals and Cereal Products	345	340	364
Rice and Products	303	282	303
Corn and Products	24	36	31
Other Cereals and Products	18	22	30
Starchy Roots and Tubers	22	17	19
Sugar and Syrups	24	19	24
Fats and Oils	14	12	18
Fish, Meat and Poultry	157	147	185
Fish and Products	111	99	104
Meat and Products	37	34	61
Poultry	9	14	20
Eggs	10	12	13
Milk and Milk Products	43	44	49
Dried Beans, Nuts and Seeds	10	10	10
Vegetables	111	106	111
Green Leafy and Yellow Vegetables	29	30	31
Other Vegetables	82	76	80
Fruits	107	77	54
Vitamin C-Rich Fruits	24	21	12
Other Fruits	83	56	42
Miscellaneous	26	19	39

3. PER CAPITA FOOD CONSUMPTION OF FISH AND FISHERY PRODUCTS, 1993

Fish and Other Products	Total (Kg/Year)
1. FISH	38
1.1 Fresh Fish	25
Tulingan (Frigate Tuna)	2
Bangus (Milkfish)	4
Galunggong (Roundscad)	3
Dilis, Buo (Anchovy)	1
Alumahan (Indian Mackerel)	1
Tamban (Sardines)	1
Dalagang Bukid (Fusilier)	n
Sapsap (Slipmouth)	1
Bisugo (Threadfin Bream)	n
Tilapia (Cichlid)	3
Albakora/Tambakol	1
Balila/Espada	n
Hasa-hasa	1
Lapu-lapu	n
Matangbaka	1
Maya-Maya	n
Salay-salay	n
Silinyasi/Tunsoy	n
Tanigue	n
Others (fresh fish & cooked fish recipe)	5
1.2 Dried Fish (as fresh fish)	4
1.3 Processed Fish *	5
Bagoong (as fresh fish)	1
Patis	n
Canned Fish (sardines, mackerel, salmon, etc)	3
Smoked fish (all tinapa type)	1
1.4 Crustaceans and Mollusks	4
Shrimp (all type)	1
Crabs	n
Squid/Octopus	1
Tahong	1
Others (fresh)	1
Dried and Processed (as fresh)	n
Bagoong (as fresh)	n

Notes:

a) Raw as purchased weight or as available in the kitchen including inedible and edible wastage.

b) Breakdown don't add up to total due to roundings

c) N- negligible (less than 0.5 grams)

B. WORLD FISHERIES PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS AND AQUATIC PLANTS¹
(includes seaweeds), BY CAPTURE AND AQUACULTURE, BY MAJOR PRODUCERS, 2011 ('000 MT)

Major Countries	TOTAL		Fish, Crustaceans & Molluscs			Aquatic Plants (includes seaweeds)		
	MT	% share	Capture	Aquaculture	Total	Capture	Aquaculture	Total
1. China	66,216,938	37.15	15,772,054	38,621,269	54,393,323	274,060	11,549,555	11,823,615
2. Indonesia	13,601,785	7.63	5,707,684	2,718,421	8,426,105	5,479	5,170,201	5,175,680
3. India	8,879,499	4.98	4,301,534	4,573,465	8,874,999	-	4,500	4,500
4. Peru	8,346,483	4.68	8,248,482	92,200	8,340,682	5,801	-	5,801
5. USA	5,559,907	3.12	5,153,452	396,841	5,550,293	9,614	-	9,614
6. Viet Nam	5,555,000	3.12	2,502,500	2,845,600	5,348,100	-	206,900	206,900
7. Philippines	4,971,799	2.79	2,363,221	767,287	3,130,508	458	1,840,833	1,841,291
8. Japan	4,755,453	2.67	3,761,176	556,761	4,317,937	87,779	349,737	437,516
9. Chile	4,436,484	2.49	3,063,449	954,845	4,018,294	403,496	14,694	418,190
10. Russian Fed	4,391,154	2.46	4,254,864	128,830	4,383,694	6,639	821	7,460
11. Myanmar	4,150,091	2.33	3,332,979	816,820	4,149,799	-	292	292
12. Norway	3,572,608	2.00	2,281,429	1,138,797	3,420,226	152,382	-	152,382
13. Korea Rep.	3,261,120	1.83	1,746,998	507,052	2,254,050	14,787	992,283	1,007,070
14. Thailand	2,870,200	1.61	1,862,151	1,008,049	2,870,200	-	-	-
15. Other Countries	37,686,624	21.14	29,142,367	7,574,063	36,716,430	124,648	845,545	970,193
World Total	178,255,145	100.00	93,494,340	62,700,300	156,194,641	1,085,143	20,975,361	22,060,504

C. WORLD AQUACULTURE PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS, etc. BY PRINCIPAL PRODUCERS IN 2011^{11/}

Major Countries	Volume (MT)	% Share	Value (US\$ '000)	% Share
1. China	36,621,269	58.41	61,755,853	47.42
2. India	4,573,465	7.29	9,296,027	7.14
3. Vietnam	2,845,600	4.54	5,595,925	4.30
4. Indonesia	2,718,421	4.34	6,314,654	4.85
5. Bangladesh	1,523,759	2.43	3,377,627	2.59
6. Norway	1,138,797	1.82	5,240,334	4.02
7. Thailand	1,008,049	1.61	2,564,375	1.97
8. Egypt	986,820	1.57	1,963,569	1.51
9. Chile	954,845	1.52	6,314,493	4.85
10. Myanmar	816,820	1.30	1,070,860	0.82
11. Philippines	767,287	1.22	1,722,703	1.32
12. Brazil	629,309	1.00	1,366,049	1.05
13. Japan	556,761	0.89	3,506,852	2.69
14. USA	396,841	0.63	1,102,451	0.85
15. Other Countries	7,162,257	11.42	19,042,332	14.62
World Total	62,700,300	100.00	130,234,104	100.00

D. WORLD AQUACULTURE PRODUCTION OF AQUATIC PLANTS BY PRINCIPAL PRODUCERS IN 2011 ^{11/}

Major Countries	Volume (MT)	% Share	Value (US\$' 000)	% Share
1. China	11,549,555	55.06	2,502,025	45.50
2. Indonesia	5,170,201	24.65	1,143,653	20.80
3. Philippines	1,840,833	8.78	263,110	4.78
4. Korea Rep.	992,283	4.73	344,276	6.26
5. Korea D P Rp.	444,300	2.12	66,645	1.21
6. Japan	349,737	1.67	1,020,197	18.55
7. Malaysia	239,450	1.14	21,919	0.40
8. Vietnam	206,900	0.99	103,450	1.88
9. Zanzibar	130,400	0.62	1,668	0.03
10. Chile	14,694	0.07	25,118	0.46
11. Other Countries	37,008	0.18	6,799	0.12
World Total	20,975,361	100	5,498,860	100

**E. PRICES OF SELECTED FISH SPECIES,
PHILIPPINES, 2011- 2012 ^{12/}**

(pesos per kilogram)

Species	2011		2012	
	Wholesale	Retail	Wholesale	Retail
1. Indian mackerel (Alumahan)	89.13	111.94	100.58	119.28
2. Milkfish (Bangus)	92.32	112.86	104.49	125.01
3. Threadfin bream (Bisugo)	108.51	148.28	117.65	156.06
4. Blue crab (Alimasag)	127.41	183.44	141.87	194.97
5. Caesio (Dalagang Bukid, lapad)	113.81	146.57	113.94	154.02
5. Anchovies (Dilis)	47.83	79.65	54.3	83.77
6. Roundscad (Galunggong)	77.58	100.47	83.14	107.68
7. Slipmouth (Sapsap)	73.02	115.64	87.52	126.1
9. Endeavor prawn (Shrimp, Suaje)	250.12	282.01	254.41	288.12
10. Tilapia	73.51	90.8	75.36	95.96
11. Frigate tuna (Tulingan)	88.33	103.08	89.36	110.4
12. Shrimp, Tiger prawn (sugpo)	391.18	442.48	362.41	447.91

ENDNOTES

Sources of Data:

- 1/ NAMRIA (Wikipedia and CIA World Factbook 2009)
- 2/ 1992 Fishery Statistics, Bureau of Agricultural Statistics (BAS)
This refers to fishpond area acquired by the operator whether utilized or not during the reference period.
This includes nursery and transition ponds and undeveloped areas.
- 3/ National Statistical Coordination Board (NSCB)
(www.nscb.gov.ph)
- 4/ Preliminary data, 2002 Census of Fisheries
- 5/ National Statistics Office (NSO) (www.census.gov.ph)
- 6/ Bureau of Agricultural Statistics (BAS) (www.bas.gov.ph)
- 7/ Directory of Philippine Wetlands, Volume II, AWBPI
- 8/ BFAR Regional Yearbook, 2000
- 9/ BFAR Regulatory and Quarantine Division
- 10/ Food and Nutrition Research Institute Website, (<http://www.fnri.dost.gov.ph>.)
- 11/ FAO Website (<http://www.fao.org>.)
- 12/ Agricultural Marketing Statistical Analysis Division (AMSAD, BAS)



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