



Department of Agriculture

BUREAU OF FISHERIES AND AQUATIC RESOURCES

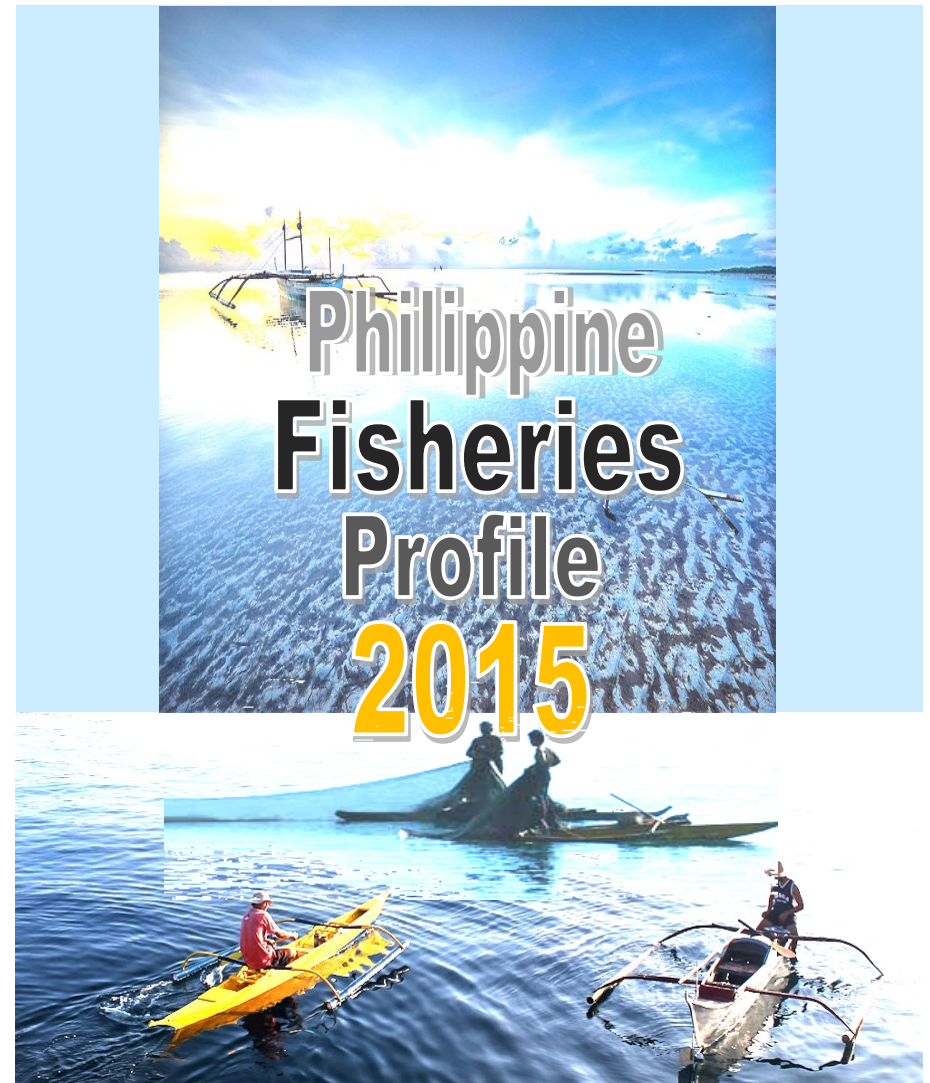
PCA Compound, Elliptical Road, Diliman, Q. C.

Tel Nos. 929-9597

Fax Nos. 929-8074

Website: www.bfar.da.gov.ph

E-mail: info@bfar.da.gov.ph



Republic of the Philippines
Department of Agriculture
BUREAU OF FISHERIES AND AQUATIC RESOURCES


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 Accounts of the Philippines, Philippine Statistics Authority (PSA)
- ^{4/} 2002 Census of Fisheries
- ^{5/} Trade Statistics Division, PSA
- ^{6/} Fisheries Statistics Division, PSA (www.psa.gov.ph)
- ^{7/} Directory of Philippine Wetlands, Volume II, AWBPFI
- ^{8/} BFAR National Program for Municipal Fishing Vessels and Gears Registration (BoatR)
- ^{9/} BFAR Regulatory and Quarantine Division
- ^{10/} DOST- Food and Nutrition Research Institute (www.fnri.dost.gov.ph)
- ^{11/} Food and Agriculture Organization (www.fao.org)
- ^{12/} Price Statistics Division, PSA

Another year is over and as part of our commitment for the fishing sector, a report on various data on fisheries was compiled and prepared by the Bureau of Fisheries and Aquatic Resources for the year 2015. Most of this data focuses on fish production, export and import, and other fisheries information relevant to the fishing industry.

This compilation would not be possible without the support extended by the Philippine Statistics Authority (PSA), the Food and Nutrition Research Institute – Department of Science and Technology (DOST-FNRI) and the Food and Agriculture Organization (FAO), among others.



COMMODORE EDUARDO B. GONGONA PCG (Ret)
Undersecretary for Fisheries, Director, BFAR

**E. PRICES OF SELECTED FISH SPECIES,
PHILIPPINES, 2014- 2015 ^{12/}**

(pesos per kilogram)

Species	2014		2015	
	Wholesale	Retail	Wholesale	Retail
1. Indian mackerel (Alumahan)	111.49	129.79	109.39	135.79
2. Milkfish (Bangus)	101.47	123.51	104.88	126.75
3. Threadfin bream (Bisugo)	131.41	171.96	136.54	181.62
4. Blue crab (Alimasag)	130.5	209.33	145.49	206.90
5. Caesio (Dalagang Bukid, lapad)	124.2	165.91	124.92	171.83
6. Anchovies (Dilis)	49.01	86.26	55.90	86.96
7. Roundscad (Galunggong)	86.3	113.84	91.42	118.27
8. Slipmouth (Sapsap)	90.85	132.03	94.77	128.81
9. Endeavor prawn (Shrimp, Suaje)	271.28	311.26	247.67	312.77
10. Tilapia	78.7	102.69	80.1	106.36
11. Frigate tuna (Tulingan)	94	113.47	93.99	116.70
12. Shrimp, Tiger prawn (sugpo)	437.04	490.14	437.33	500.59

D. WORLD AQUACULTURE PRODUCTION OF AQUATIC PLANTS BY PRINCIPAL PRODUCERS IN 2014 ^{11/}

Major Countries	Volume (MT)	% Share	Value (US\$' 000)	% Share
1. China	13,326,315	48.80	2,307,646	40.93
2. Indonesia	10,076,992	36.90	1,653,108	29.32
3. Philippines	1,549,576	5.67	256,293	4.55
4. Korea Rep.	1,087,048	3.98	496,496	8.81
5. Korea D P Rp.	444,300	1.63	66,645	1.18
6. Japan	363,400	1.33	746,508	13.24
7. Malaysia	245,332	0.90	63,752	1.13
8. Zanzibar	133,020	0.49	1,658	0.03
9. Solomon Island	18,000	0.07	1,123	0.02
10. Viet Nam	14,327	0.05	1,863	0.03
11. Chile	12,836	0.05	33,104	0.59
12. Other Countries	48,655	0.18	42,322	0.75
World Total	27,306,965	100	5,637,414	101

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C. WORLD AQUACULTURE PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS, etc. BY PRINCIPAL PRODUCERS IN 2014^{11/}

Major Countries	Volume (MT)	% Share	Value (US\$ '000)	% Share
1. China	45,468,960	61.62	73,286,123	45.76
2. India	4,881,019	6.62	10,768,427	6.72
3. Indonesia	4,253,896	5.77	8,888,092	5.55
4. Vietnam	3,397,064	4.60	7,172,905	4.48
5. Bangladesh	1,956,925	2.65	4,853,274	3.03
6. Norway	1,332,497	1.81	7,068,255	4.41
7. Chile	1,214,523	1.65	10,276,077	6.42
8. Egypt	1,137,091	1.54	2,024,816	1.26
9. Myanmar	962,156	1.30	1,867,578	1.17
10. Thailand	934,758	1.27	2,635,642	1.65
11. Philippines	788,029	1.07	1,879,579	1.17
12. Japan	657,000	0.89	3,633,147	2.27
13. Brazil	561,803	0.76	1,531,827	0.96
14. Korea Rep	480,394	0.65	1,660,080	1.04
15. USA	425,870	0.58	1,142,830	0.71
16. Other Countries	5,757,610	7.80	22,606,461	14.12
World Total	73,783,725	100.58	160,152,283	100.71

Note: These countries are those with production of 140,000 tons or more in 2014

B. WORLD FISHERIES PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS AND AQUATIC PLANTS^{11/}
(includes seaweeds), BY CAPTURE AND AQUACULTURE, BY MAJOR PRODUCERS, 2014 ('000 MT)

Major Countries	TOTAL		Fish, Crustaceans & Molluscs		Aquatic Plants (includes seaweeds)		
	MT	% share	Capture	Aquaculture	Capture	Aquaculture	Total
1. China	76,147,372	38.91	17,106,547	45,468,960	245,550	13,326,315	13,571,865
2. Indonesia	20,838,117	10.65	6,436,715	4,253,896	70,514	10,076,992	10,147,506
3. India	9,602,842	4.91	4,718,821	4,881,019	-	3,002	3,002
4. Viet Nam	6,330,591	3.23	2,919,200	3,397,064	-	14,327	14,327
5. USA	5,410,190	2.76	4,975,947	425,870	8,373	-	8,373
6. Myanmar	5,047,526	2.58	4,083,270	962,156	-	2,100	2,100
7. Japan	4,772,866	2.44	3,660,966	657,000	91,500	363,400	454,900
8. Philippines	4,688,858	2.40	2,350,886	788,029	367	1,549,576	1,549,943
9. Russian Federation	4,396,226	2.25	4,225,556	161,214	7,070	2,386	9,456
10. Chile	3,820,176	1.95	2,175,486	1,214,523	417,331	12,836	430,167
11. Norway	3,788,336	1.94	2,301,609	1,332,497	154,230	-	154,230
12. Peru	3,714,469	1.90	3,573,371	115,269	25,827	2	25,829
13. Korea Rep.	3,304,772	1.69	1,727,643	480,394	9,687	1,087,048	1,096,735
14. Thailand	2,704,304	1.38	1,769,546	934,758	-	-	-
15. Other Countries	41,153,792	21.03	31,419,671	8,711,076	154,064	868,981	1,023,045
World Total	195,720,437	100.00	93,445,234	73,783,725	1,184,513	27,306,965	28,491,478



OTHER FISHERIES INFORMATION

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Highlights

World Scenario: Philippine Fisheries

- In 2014, the Philippines ranked 8th among the top fish producing countries in the world with its total production of 4.7 million metric tons of fish, crustaceans, mollusks, and aquatic plants (including seaweeds). The production constitutes 2.4% of the total world production of 195.7 million metric tons (*FAO website*).
- The Philippines' 0.788 million metric tons aquaculture production of fish, crustaceans and mollusks in 2014 ranked 11th in the world and a 1.07% share to the total global aquaculture production of 73.8 million metric tons. In terms of value, the country's aquaculture production of fish, crustaceans and mollusks has amounted to over 1.17 billion dollars (*FAO website*).
- Similarly, the Philippines is the world's 3rd largest producer of aquatic plants (including seaweeds) having produced a total of 1.55 million metric tons or nearly 5.67% of the total world production of 27.31 million metric tons (*FAO website*).

Contribution to National Economy, 2015

- The fishing industry's contribution to the country's Gross Domestic Products (GDP) were 1.5 % and 1.7% at current and constant 2000 prices, respectively. This translates to some P194 billion for current prices and P128.5 billion for constant prices of the country's GDP of P13,307 billion (current prices) and P7,580 billion (constant prices).
- The industry also accounted for 14.2% (P194 billion) and 17.8% (P128.5 billion) of the Gross Value Added (GVA) in Agriculture,

3. Mean one -day per capita fish and fish products consumption, Philippines, 2013

Food Group/Sub Groups	Mean	
	g/day	Kg/Year
Fish and Products	109.1	39.8
Fresh fish	76.0	27.8
Tulingan	5.9	2.1
Bangus	13.0	4.7
Galunggong	12.8	4.7
Dilis, buo	1.3	0.5
Alumahan	1.5	0.6
Tamban	2.6	0.9
Dalagang bukid	1.4	0.5
Sapsap	2.1	0.8
Bisugo	1.9	0.7
Tilapia	12.5	4.6
Albakora/tambakol	2.3	0.8
Balila/espada	0.1	0.0
Hasa-hasa	1.5	0.5
Lapu-lapu	0.6	0.2
Matangbaka	3.1	1.1
Maya-maya	1.1	0.4
Salay-salay	0.4	0.1
Silinyasi/tunsoy	0.5	0.2
Tanigue	0.3	0.1
Other fresh fish & cooked fish recipe	11.2	4.1
Dried fish (as fresh fish)	9.9	3.6
Processed fish	12.5	4.5
Bagoong (as fresh fish)	1.9	0.7
Patis	0.5	0.2
Canned fish (sardines, mackerel, salmon, etc)	8.7	3.2
Smoked fish (all tinapa type)	1.4	0.5
Crustaceans and mollusks	10.7	3.9
Shrimp (all type)	2.2	0.8
Crabs	1.7	0.6
Squids/octopus	2.0	0.7
Tahong (mussels)	0.7	0.2
Others (fresh)	3.5	1.3
Dried and processed (as fresh)	0.3	0.1
Bagoong (as fresh)	0.4	0.2

2013 National Nutrition Survey, FNRI-DOST

**2. Trends in mean one-day per capita food consumption
among Filipino households: Philippines, 2003, 2008, 2013**

Food Group/ Sub-group	Consumption, gram		
	2003	2008	2013
<i>ENERGY-GIVING FOOD</i>			
Cereals and Cereal Products	364	361	346
Rice and Rice Products	303	317	299
Corn and Corn Products	31	21	23
Cereal Products	30	23	25
Starchy Roots and Tubers	19	17	14
Sugars and Syrups	24	17	12
Fats and Oils	18	15	15
<i>BODY - BUILDING FOOD</i>			
Fish, Meat and Poultry	185	193	207
Fish and Fish Products	104	110	109
Meat and Meat Products	61	58	65
Poultry	20	24	33
Eggs	13	14	16
Milk and Milk Products	49	42	45
Whole Milk	35	33	34
Milk Products	14	10	11
Dried Beans, Nuts and Seeds	10	9	9
<i>REGULATING FOOD</i>			
Vegetables	111	110	114
Green, Leafy and Yellow	31	34	39
Other Vegetables	80	76	75
Fruits	54	54	41
Vitamin C-Rich Fruits	12	10	8
Other Fruits	42	44	33
Miscellaneous	39	29	34
Beverages	26	16	23
Condiments and Spices	10	10	10
Others	3	3	2
ALL FOOD	886	861	855

Hunting, Forestry and Fishing Group of P1,366 billion and P719.7 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 2015 reached 4,649,313 metric tons. Fisheries production drop down by (8.7%) from 5 million metric tons in CY 2010 to 4.7 million metric tons in CY 2015. Average annual production growth rate within that period was registered at (1.4%). In terms of value, the 2015 fisheries production was valued at 240 billion pesos as compared with the 224.7 billion pesos in 2011, an average yearly increment of 1.8 billion pesos.
- The 2015 fisheries production also showed a slight decrease of 0.9% from the previous year's production of 4.7 million metric tons. The 2015 production was valued at 240 billion pesos.
- The annual performance of the fishing industry was attributed to the production of the three (3) sectors. The commercial sector decreased in production of 2.04% (1.08 million MT) as compared to last year's production of 1.11 million MT while the aquaculture sector is 0.45% (2.35 million MT) higher than the previous year's level (2.34 million MT) followed by the municipal sector with -2.23 % (1.22 million MT).

- At the regional level, the Autonomous Region for Muslim Mindanao (ARMM) registered the highest production among all regions with its 18.7% or 867,272 metric tons share to the total fisheries production, where seaweed was the major commodity produced followed by Region IV-B (MIMAROPA) with a 12.7% share or 588,277 metric tons. Region IX recorded an output of 583,404 metric tons or 12.5% to the total fisheries production.
- In terms of value, the industry has contributed P240 billion in 2015 as compared to P242 billion in 2014. The top three (3) regions were Region III with P31.17 billion, followed by Region XII with P24.55 billion and Region VI-A with P21.69 billion.
- The Aquaculture fisheries sub-sector contributed the highest value of about P 93.34 billion or 39 %. Next is municipal fisheries sub-sector with a total production of P 81.49 billion. Total fish caught by marine fishermen was valued at P71.7 billion while inland fisheries production was valued at P9.77 billion. The commercial sub-sector contributed P64.89 billion or 27% to the total fishery output.

Fisheries Export and Import Performance

Exports 2015

- Foreign trade performance of the fishery industry in 2015 registered a net surplus of 495 million dollars - total export value of 943 million US dollars and import value of 414 million US dollars.
- Export volume decreased by 28 % from 316,863 MT in 2014 to 226,821 MT in 2015. The three major export commodities (tuna, seaweeds, shrimp/prawn,) combined for 63% (153,667 MT) of the total export volume (226,821 MT) and 58% (US\$ 531,333 million) of the total export value US\$ 909 million in 2015.

A. FOOD CONSUMPTION ^{10/}

1. Mean one-day per capita food consumption and percent (%) of food to total intake: Philippines, 2013

Food Group/ Sub-group	Consumption		% of Total
	kg/yr	g/day	
<i>ENERGY-GIVING FOOD</i>			
Cereals and Cereal Products	126	346	40.5
Rice and Rice Products	109	299	35
Corn and Corn Products	8	23	3
Cereal Products	9	25	3
Starchy Roots and Tubers	5	14	1.7
Sugars and Syrups	4	12	1.4
Fats and Oils	5	15	1.7
<i>BODY - BUILDING FOOD</i>			
Fish, Meat and Poultry	76	207	24.2
Fish and Fish Products	40	109	12.8
Meat and Meat Products	24	65	7.6
Poultry	12	33	3.8
Eggs	9	16	1.9
Milk and Milk Products	16	45	5.3
Whole Milk	12	34	4
Milk Products	4	11	1.3
Dried Beans, Nuts and Seeds	3	9	1.1
<i>REGULATING FOOD</i>			
Vegetables	42	114	13.3
Green, Leafy and Yellow	14	39	4.5
Other Vegetables	27	75	8.8
Fruits	15	41	4.8
Vitamin C-Rich Fruits	3	8	1
Other Fruits	12	33	3.9
Miscellaneous	12	34	4.0
Beverages	8	23	2.7
Condiments and Spices	4	10	1.2
Others	1	2	0.2
ALL FOOD	313	855	100

- OTHER FISHERY INFORMATION



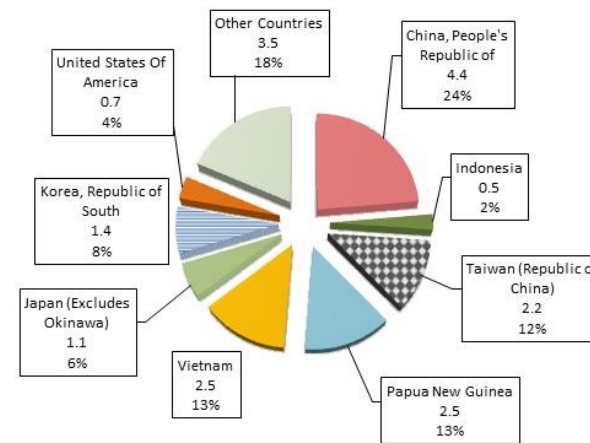
- Tuna remained as the top export commodity with a collective volume of 97,815 MT for fresh/chilled/frozen, smoked/dried, and canned tuna products valued at US \$ 231million. Canned tuna, though, constitutes bulk of tuna products being exported. In general, tuna export is down by 17% in terms of volume and lower in terms of value, (33) % than the previous year. Major markets for this commodity include USA, Japan and United Kingdom.
- Seaweeds came 2nd on export value which fell from (23%) US\$ 264 million in 2014 to US\$ 202 million in 2015 or 22% share to the total export earnings for that year. Carrageenan remains the major product being shipped abroad comprising 90% of the total seaweed export value in pesos. USA, Mexico and Belgium are among the major markets for Philippine seaweed products.
- Shrimp/Prawn ranked 3rd with a total contribution of US\$ 35 million to the total export value, lower than last years' export earnings of US\$ 120 million. Most of the shrimps/prawns are exported in fresh/chilled/frozen form with a total value of US\$ 33 million or 94% of the total shrimp/prawn export revenue. The 2015 shrimp/prawn exports decreased by 39% in volume (MT) and value of 70% 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 21% or US\$ 189 million of the total US\$ 909 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, 24%; Japan, 13%; Germany, 6%; Hong Kong 9%; UK, 3.6%;

Spain, 3.3% ; South Korea, 1.9%, , Taiwan (ROC) 3.7%, Netherlands, 2.1%, and China, Rep of 4.8%; . Other countries have a cumulative share of 28%.

Imports

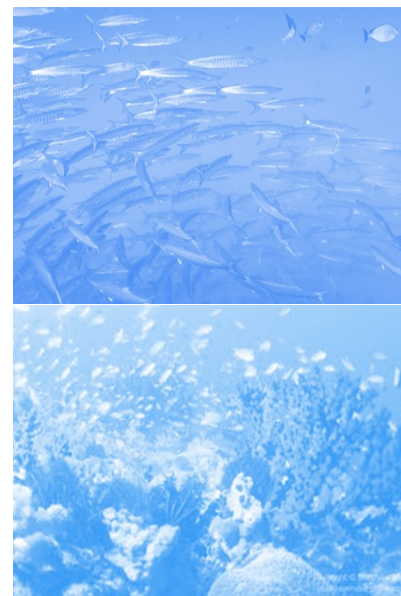
- Fifty two percent of the total import value for 2015 was contributed by three major commodities: 62% in chilled/frozen fish, 1.8 % in prawn feeds, ; as well as flour, meals and pellets of fish, crustaceans, and mollusks fit and unfit for human consumption, 3.2%. These commodities have an aggregated value of US\$ 275 million out of the US\$ 414 million total import value.
- Prawn feeds were mostly sourced from Taiwan, (ROC) 0.4%; Vietnam, 1.2%; Thailand, 0.08% , Malaysia, 0.02%, and USA, 0.04%; with a total of \$ 7.3 million on import value.
- Chilled/frozen fish comprise of tuna, mackerel and sardines with a total of US\$ 255 million . Tuna has an import value of US \$186 million, the largest among the three major import with a share of 45%. These were mostly supplied by Papua New Guinea 15 %; Taiwan (ROC) 12%; China, 5%, Korea, 6.5% and Japan, 1.4%. Other fishery imports include mackerel, 15% and sardines 1.5%.
- In terms of value, in general, the Philippine fishery imports originated from the following major countries: China, 24%; Indonesia, 2%; Taiwan (ROC), 12%; Papua New Guinea, 13%; Vietnam, 13%; Japan 6% ; Norway, 3% Korea, 8%; USA, 4%; and Denmark 1%. Other countries contributed 18% to the total import value of fish and fishery products.

Figure 8. 2015 Value of Fishery Import by Country of Origin, in Billion Pesos



3. Fishery Imports, by Major Country of Origin in Terms of Value, 2015

Major Countries	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
China, People's Republic of	136,461	97,337	4,416,190
Indonesia	7,686	10,326	468,505
Taiwan (Republic of China)	42,412	48,017	2,178,521
Papua New Guinea	41,841	55,401	2,513,536
Vietnam	51,684	55,047	2,497,477
Japan (Excludes Okinawa)	25,605	23,534	1,067,750
Korea, Republic of South	26,221	31,031	1,407,886
United States Of America	9,138	15,103	685,242
Denmark	881	2,456	111,442
Singapore	7,375	8,950	406,064
Chile	5,492	8,112	368,024
Norway	4,504	10,731	486,859
Italy	8,164	3,650	165,605
Thailand	6,895	7,475	339,146
New Zealand	2,667	4,322	196,100
Peru	2,134	2,293	104,029
Marshall Islands, Rep. Of	1,612	2,161	98,056
Germany	5,475	4,603	208,858
Uk Great Britain And N. Ireelan	2,274	2,673	121,296
Malaysia	1,342	2,209	100,230
Total Major Countries	389,862	395,433	17,940,815
Other Countries	13,978	18,721	849,350
Total	403,840	414,154	18,790,165



- FISHERY RESOURCES
- 2015 FISHERIES CONTRIBUTION TO THE ECONOMY

Philippine Marine Jurisdictional Boundaries

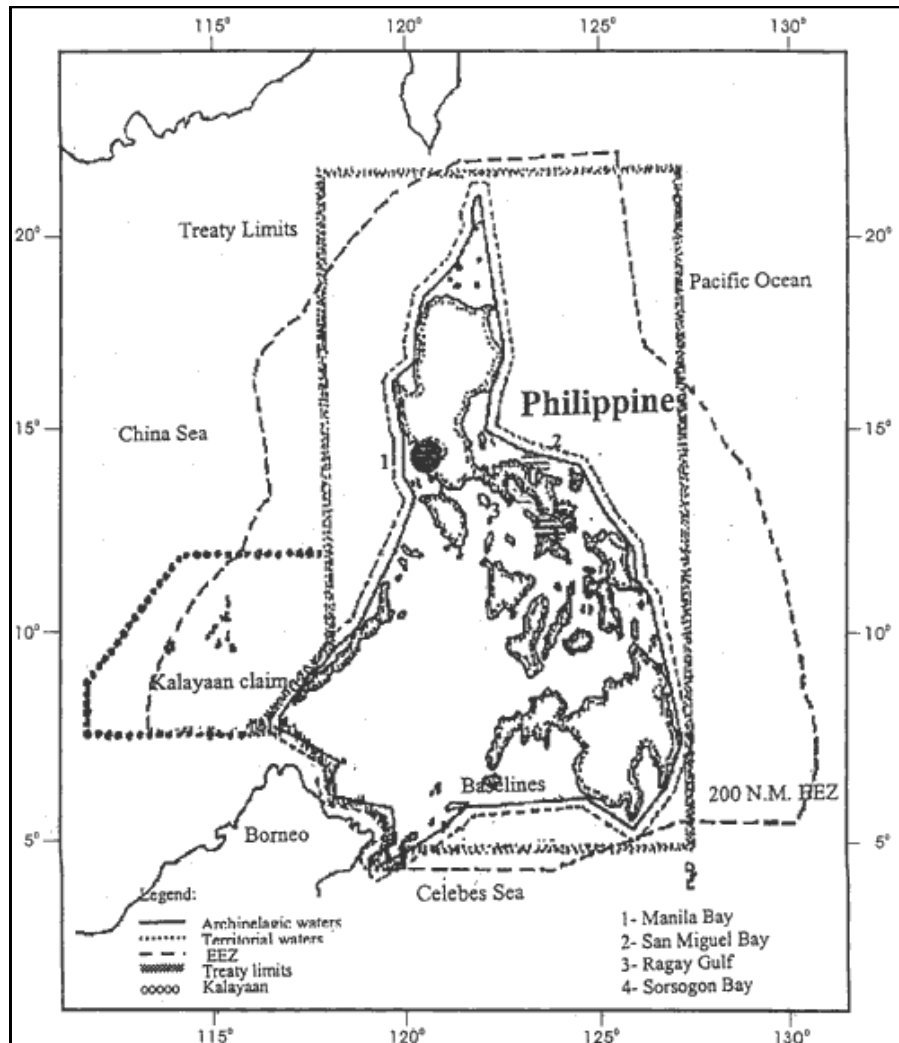


Figure 1. Map of the Philippines showing the limits of archipelagic, territorial waters treaty limits Exclusive Economic Zone (200 N. M. EEZ) and Kalayaan claim.

Commodity/Kind	Quantity (MT)	CIF Value (‘000 \$) (‘000 Pesos)	
2. Prawn feeds	6,313	7,344	333,210
China, People's Rep. of	137	48	2,188
Taiwan	1,097	1,447	65,652
Malaysia	39	80	3,611
Hong Kong	5	124	5,632
Thailand	114	311	14,114
USA	9	143	6,485
Vietnam	4,869	5,139	233,171
Others	43	52	2,357
3. Flour, meals & pellets of fish, crustaceans & molluscs fit or unfit for human consumption	19,029	13,207	599,197
Peru	1,616	1,954	88,673
Thailand	1,662	1,991	90,317
USA	705	505	22,934
Germany	1,051	512	23,212
France	341	257	11,645
India	75	78	3,522
Taiwan	17	8	344
Korea, South	1,879	1,248	56,620
Others	8,979	6,655	301,930
Total major imports	294,596	275,807	9,373,545
Other Commodities	109,244	138,347	9,416,620
Grand Total	403,840	414,154	18,790,165

2. Major Fishery Imports in Terms of Value, 2015

Commodity/Kind	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
1. Fresh/Chilled/Frozen Fish	269,254	255,256	11,580,976
A. Tuna	153,110	186,051	8,441,138
Indonesia	378	773	35,093
Taiwan	41,170	50,694	2,300,003
Papua New Guinea	42,364	60,748	2,756,122
Japan	4,021	5,714	259,229
Korea	20,070	27,120	1,230,435
Singapore	5,850	7,559	342,937
China, People'S Rep. of	26,080	21,210	962,314
Marshall Islands	1,374	1,854	84,095
U S A	245	305	13,858
Vietnam	7,743	5,193	235,606
Others	3,815	4,881	221,446
B. Mackerel	106,856	63,045	2,860,345
China, People'S Rep. of	60,724	31,037	1,408,155
Japan	20,106	13,647	619,151
Taiwan	338	299	13,587
Korea, Rep of South	1,806	1,702	77,203
New Zealand	1,581	1,522	69,071
U S A	234	191	8,679
Vietnam	19,241	11,882	539,101
Others	2,826	2,764	125,398
C. Sardines	9,288	6,160	279,493
China, People'S Republic of	6,203	3,914	177,578
India	594	319	14,484
Japan	785	690	31,307
Morocco	688	520	23,591

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

C. AREA AND LOCATION OF MAJOR FISHING GROUNDS IN THE PHILIPPINES

Fishing Ground	Area (Sq. Km.)	Location
A. Seas		
West Sulu Sea	29,992.5	Palawan
South Sulu Sea	112,642	Zamboanga del Sur/Sulu/Tawi-Tawi
East Sulu sea	9,288	Zamboanga del Norte/Negros
Sibuyan Sea	8,127	Aklan/Masbate/Romblon
Bohol Sea	7,946	Bohol
Samar Sea	3,870	Samar/Masbate/Leyte
Visayan Sea	3,096	Panay/Negros/Cebu/Masbate
Camotes Sea	2,476.8	Cebu/Leyte/Bohol
B. Bays		
Lamon Bay	2,838	Quezon/Camarines Norte
Tayabas Bay	2,213	Quezon
Illana Bay	2,128.5	Lanao del Sur/Maguindanao
Manila Bay	1,935	Manila/Bataan/Cavite
Sibugay Bay	1,935	Zamboanga del Sur
Iligan Bay	1,811.16	Misamis Occidental/Lanao del Norte
Imuruan Bay	1,087.8	Palawan
San Miguel bay	774	Camarines Sur
Tawi-Tawi Bay	592.4	Tawi-Tawi
Butuan Bay	516	Agusan del Norte
C. Gulfs		
Moro Gulf	12,900	Zamboanga del Sur/Maguindanao/Sultan Kudarat
Davao Gulf	4,024	Davao del Sur/Davao del Norte/Davao Oriental
Ragay Gulf	3,225	Camarines Sur/Quezon
Leyte Gulf	2,724	Leyte Island/Samar Island
Panay Gulf	2,311	Iloilo/Negros Occidental
Lingayen Gulf	2,064	Pangasinan
Lagonoy Gulf	1,935	Albay/Camarines Sur/Catanduanes
Asid Gulf	619	Masbate
Albay Gulf	412.8	Albay
D. Channels		
Babuyan Channel	3,612	Cagayan/Babuyan Island
Jintotolo Channel	280	Capiz/Masbate
Maqueda Channel	129	Camarines Sur/Catanduanes
E. Straits		
Tablas Strait	3,870	Tablas Island/Mindoro Oriental
Mindoro Strait	3,426.2	Palawan/Mindoro Occidental
Tañon Strait	2,786.4	Cebu/Negros
Cebu Strait	1,818.9	Cebu/Bohol
Iloilo Strait	1,006	Iloilo/Guimaras
F. Passages		
Burias Pass	1,393.2	Burias Island/Camarines Sur
Ticao Pass	804.75	Ticao Island/Sorsogon

B. IMPORTS ^{5/}

1. Import of Fish and Fishery Products By Kind, Quantity and Value, 2015

Commodity/Kind	Quantity (MT)	CIF Value	
		('000 \$)	('000 Pesos)
● Fish Crustaceans, Mollusks, etc. and Preparation	367,722	386,459	17,533,635
a. Fish fresh (live or dead) chilled or frozen	318,446	325,447	14,765,543
b. Fish, dried, salted or in brine, smoked fish	251	483	21,901
c. Crustaceans, mollusks and aquatic invertebrates	43,437	51,975	2,358,097
d. Fish and other aquatic invertebrate, prepared/ preserved	5,588	8,554	388,094
● Shells and By-Products	92	120	5,463
● Miscellaneous and Other Fishery Products	36,026	27,575	1,251,066
Grand Total	403,840	414,154	18,790,165

Note: Figures may not add up due to rounding off

Figure 6. Major Fishery Exports in Terms of Value, 2015

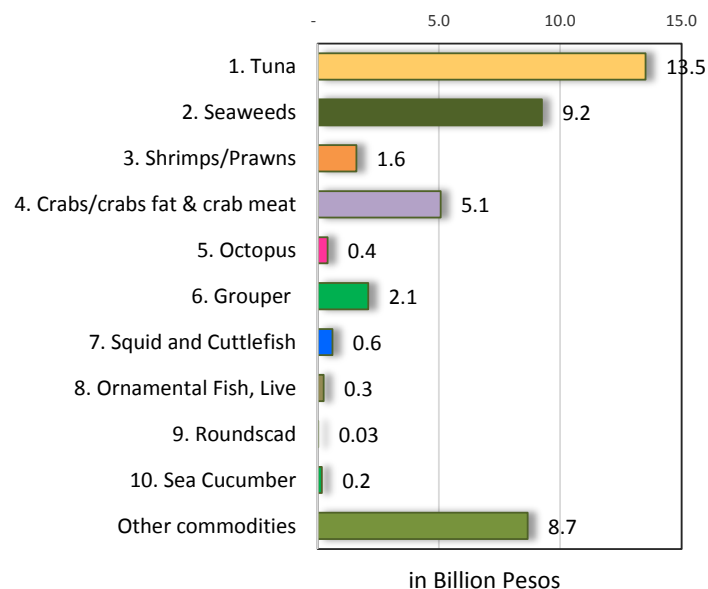
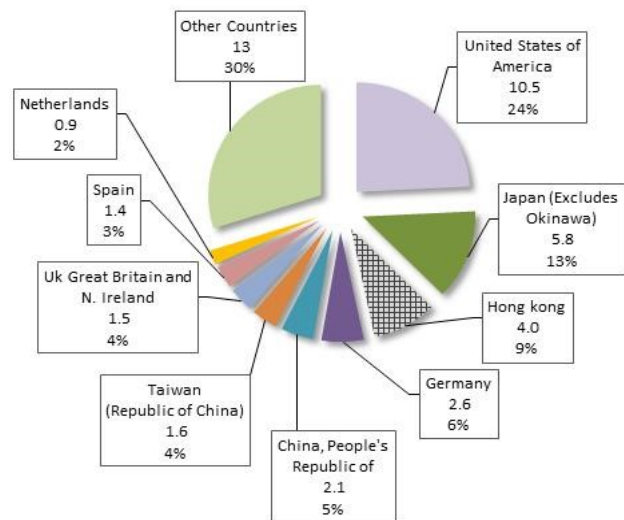


Figure 7. 2015 Value of Fishery Export by Country of Destination, in Billion Pesos



D. 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	Buluang	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)*

II. FISHERIES CONTRIBUTION TO THE ECONOMY, 2015

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

1. At Current Prices	1.5%
2. At Constant Prices	1.7%

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)	752,484	55.2	349,047	48.5
2. Livestock	179,967	13.2	99,557	13.8
3. Poultry	132,409	9.7	82,340	11.4
4. Agricultural activities	99,231	7.3	55,596	7.7
6. Forestry	4,190	0.3	4,675	0.6
5. Fishing	195,653	14.3	128,109	17.8
Total	1,363,935	100 [▼]	719,323	100.0

Note: GDP at current and constant 2000 prices

4. Fishery Exports, by Major Country of Destination in Terms of Value, 2015

Country/Destination	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
United States of America	51,556	229,642	10,533,675
Japan (Excludes Okinawa)	26,842	125,791	5,770,040
Hong Kong	24,698	86,885	3,985,426
Germany	18,961	57,470	2,636,166
China, People's Republic of	14,756	44,793	2,054,660
Taiwan (Republic of China)	12,486	34,949	1,603,099
Uk Great Britain and N. Ireland	11,515	33,720	1,546,733
Spain	11,510	31,183	1,430,345
Netherlands	6,530	20,090	921,543
Korea, Republic Of South	4,982	18,157	832,840
Belgium	3,373	17,528	804,008
France	5,998	15,678	719,127
Singapore	2,660	12,722	583,565
Thailand	2,529	12,415	569,470
Mexico	2,997	11,736	538,351
Macau	3,442	11,365	521,305
Canada	3,397	11,102	509,262
Australia	2,141	9,204	422,169
Israel	2,495	8,565	392,898
United Arab Emirates	2,325	7,228	331,566
Total Major Countries	215,193	800,223	36,706,249
Other Countries	11,628	142,746	4,994,912
Grand Total	226,821	942,970	41,701,161

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
3. Shrimps/Prawns	5,475	35,012	1,606,011
Frozen	4,261	29,389	1,348,082
Japan	1,658	11,418	523,729
U S A	1,181	7,528	345,326
Korea, Rep of South	322	2,501	114,733
Hong Kong	137	249	11,400
Canada	178	988	45,299
Taiwan	196	811	37,186
France	357	4,040	185,331
Others	232	1,855	85,078
Fresh or chilled	450	3,451	158,300
Taiwan	15	690	31,649
Guam	8	21	952
Korea, Republic Of South	15	100	4,604
Hong Kong	163	926	42,455
United Arab Emirates	100	1,491	68,406
Others	149	223	10,234
Shrimps and Prawn, Dried	63	330	15,123
Japan (Excludes Okinawa)	29	267	12,241
Taiwan	10	9	420
Others	24	54	2,462
Prepared and Preserved	701	1,842	84,506
Canada	82	147	6,724
U S A	377	1,122	51,472
Australia	75	209	9,591
Others	167	364	16,719
Total (3) major commodities	141,025	529,147	24,214,897
Total other commodities	85,796	379,969	17,486,264
Grand Total	226,821	909,116	41,701,161

a/ Volume less than 1 metric ton

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/}

	2015			2014		
	Quantity (MT)	FOB Value (P M)	FOB Value (\$ M)	Quantity (MT)	FOB Value (P M)	FOB Value (\$ M)
Fishery Exports	226,821	41,401	909	316,863	56,349	1,274
Fishery Imports	403,840	18,790	414	302,333	14,288	320
Trade Balance	(177,019)	22,611	495	14,530	42,061	954

E. Total Fish Production, by Sector, 2015 ^{6/}

Sector	Quantity (MT)	% to total	Value	
			Current Prices ('000 P)	% to total
1. Aquaculture	2,348,161.09	50.5	93,340,915.68	38.9
2. Municipal Fisheries	1,216,526.72	26.2	81,486,171.48	34.0
3. Commercial Fisheries:	1,084,624.70	23.3	64,875,286.41	27.1
Total	4,649,312.51	100.0	239,702,373.57	100.0

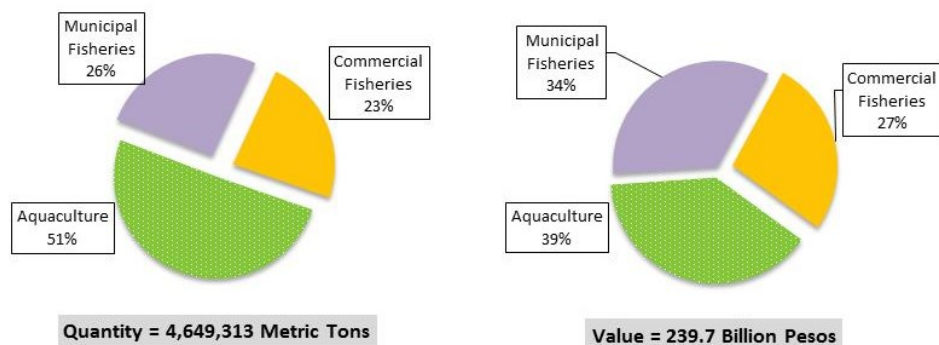


Figure 2. Total Fish Production, By Sector, 2015

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
2. Seaweeds	38,283	201,126	9,225,633
Seaweeds and Other Algae, Fresh, Chilled/Frozen or Dried	13,478	21,196	972,272
China, People'S Republic Of	3,140	1,834	84,111
France	2,822	1,259	57,744
USA	3,267	4,717	216,379
Spain	1,048	6,770	310,546
Republic of Korea	2,231	1,609	73,822
Others	970	5,007	229,670
Refined)	24,797	179,891	8,251,614
USA	7,752	46,421	2,129,313
Uk Great Britain And N. Ireland	1,008	6,628	304,007
Belgium	1,265	9,763	447,824
Germany	537	4,130	189,460
France	669	6,517	298,949
Thailand	893	9,271	425,266
Mexico	2,561	10,445	479,134
Australia	815	6,403	293,683
Brazil	718	4,510	206,862
China, People'S Republic Of	422	3,646	167,238
Others	8,157	72,158	3,309,878
Agar-agar	8	38	1,747
USA	1.5	4.6	213
United Arab Emirates, N.E.S.	0.6	1	61
Others	5.9	32.1	1,473

* not elsewhere specified

3. Major Destination of Top Three Fishery Exports by Kind, Quantity and Value, 2015

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 \$)	('000 Pesos)
1. Tuna	97,267	293,009	13,383,253
Fresh/chilled/frozen	21,481	60,949	2,795,728
Japan	3,670	16,397	752,135
U S A	1,565	4,363	200,145
Italy	3,836	9,418	432,003
Thailand	115	182	8,369
Hong Kong	137	720	33,048
France	1,183	2,242	102,857
Taiwan	27	32	1,454
Uk Great Britain And N. Ireland	29	94	4,290
Spain	7,549	14,632	671,147
Vietnam	412	785	36,020
Others	2,958	12,083	554,260
Prepared/Preserved	75,786	232,060	10,587,525
U S A	18,083	54,340	2,492,575
Canada	959	3,072	140,926
Japan	7,343	29,265	1,342,367
Germany	16,773	50,766	2,328,614
Taiwan	60	242	11,107
United Kingdom	9,371	25,693	1,178,558
Netherlands	5,326	15,881	728,468
Papua New Guinea	1,352	1,880	86,238
Others	16,519	50,921	2,278,672

F. Fish Production, by Sector and Region, 2015 (in MT)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	98,484.75	6,739.22	1,910.61	107,134.58	2.3
CAR	-	1,173.82	2,692.88	3,866.70	0.1
I	3,131.62	31,914.29	126,845.74	161,891.65	3.5
II	11,504.18	31,925.28	12,923.54	56,353.00	1.2
III	6,595.13	40,641.61	229,732.27	276,969.01	6.0
IV-A	66,357.43	138,033.70	174,131.18	378,522.31	8.1
IV-B	41,972.98	145,766.71	400,537.75	588,277.44	12.7
V	63,429.61	131,821.25	72,936.91	268,187.77	5.8
VI	50,471.09	102,998.42	153,943.42	307,412.93	6.6
VII	26,380.20	44,874.89	102,945.62	174,200.71	3.7
XVIII*	31,010.28	44,030.18	31,465.63	106,506.09	2.3
VIII	28,002.40	77,697.67	29,277.39	134,977.46	2.9
IX	238,049.43	125,282.11	220,072.23	583,403.77	12.5
X	38,083.43	43,868.15	80,851.09	162,802.67	3.5
XI	7,301.53	19,660.48	32,536.43	59,498.44	1.3
XII	270,768.10	40,285.71	17,633.46	328,687.27	7.1
CARAGA	4,844.77	59,414.96	19,088.98	83,348.71	1.8
ARMM	98,237.77	130,398.27	638,635.96	867,272.00	18.7
Total	1,084,624.70	1,216,526.72	2,348,161.09	4,649,312.52	100.00

*Negros Island Region (NIR), 2015

F.a. Value of Fish Production, by Sector and Region, 2015
(in '000 P)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	4,028,812.66	707,046.63	100,770.74	4,836,630.03	2.0
CAR	.	124,062.59	277,165.84	401,228.43	0.2
I	283,802.26	2,701,407.14	13,041,572.98	16,026,782.38	6.7
II	953,788.92	2,667,635.70	1,468,022.69	5,089,447.31	2.1
III	439,667.38	3,336,020.38	27,396,276.77	31,171,964.53	13.0
IV-A	5,722,317.00	5,467,770.06	10,504,512.74	21,694,599.80	9.1
IV-B	2,046,138.48	8,179,908.53	3,087,191.12	13,313,238.13	5.6
V	3,543,522.96	9,171,371.19	2,644,270.79	15,359,164.94	6.4
VI	4,587,519.30	7,903,360.78	6,774,782.63	19,265,662.71	8.0
VII	1,575,595.27	3,636,677.77	1,168,317.50	6,380,590.54	2.7
XVIII*	3,011,693.77	3,806,792.66	2,811,985.75	9,630,472.18	4.0
VIII	2,269,974.76	6,341,550.37	871,117.61	9,482,642.74	4.0
IX	9,383,689.87	6,617,234.96	3,708,586.59	19,709,511.42	8.2
X	2,254,223.59	3,281,010.75	10,524,515.00	16,059,749.34	6.7
XI	839,789.21	1,761,708.51	2,281,034.81	4,882,532.53	2.0
XII	20,090,949.98	2,846,511.86	1,616,468.18	24,553,930.02	10.2
CARAGA	376,562.58	5,049,966.52	737,512.89	6,164,041.99	2.6
ARMM	3,467,238.42	7,886,135.08	4,326,811.05	15,680,184.55	6.5
Total	64,875,286.41	81,486,171.48	93,340,915.68	239,702,373.57	100.00

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

2. Major Fishery Exports in Terms of Value, 2015

Commodity/Kind	Quantity MT	FOB Value	
		('000 \$)	('000 Pesos)
1. Tuna	97,815	294,768	13,521,026
Fresh/chilled/frozen (excludes fillet)	21,481	60,949	2,795,728
Smoked	548	3,004	137,773
Prepared/preserved	75,786	230,816	10,587,525
2. Seaweeds	38,968	201,553	9,245,232
Seaweeds, Fresh ,Chilled/Frozen or Dried	13,499	21,196	972,272
Seaweeds for human consumption	672	465	21,346
Carrageenan	24,797	179,891	8,251,614
3. Shrimps/Prawns	5,475	35,012	1,606,011
Fresh/ chilled or frozen,dried, nes	4,774	33,170	1,521,505
Live	-	-	-
Prepared and preserved	701	1,842	84,506
4. Crabs/crabs fat & crab meat	11,464	110,548	5,070,842
Live, Frozen/Fresh or Chilled/othr crabs	7,568	58,276	2,673,142
Crab fat (Prepared/presrd)	445	6,224	285,502
Crab meat (Prepared/Preserved)	3,451	46,047	2,112,198
5. Octopus	2,041	8,953	410,654
Dried, salted or in brine	-	-	-
Frozen	2,041	8,953	410,654
6. Grouper	16,178	45,656	2,094,233
For breeding, live	-	-	-
Breeder	16,178	45,656	2,094,233
Other than for breeding	-	-	-
7. Squid and Cuttlefish	3,357	13,401	614,726
Dried, salted or in brine	53	37	1,688
Fresh/chilled/frozen	3,211	12,254	562,075
Prepared/preserved	295	1,111	50,963
8. Ornamental Fish, Live	5,900	5,681	260,568
9. Roundscad	226	675	30,967
Frozen	218	620	28,427
Smoked	13	34	1,557
Dried	21.2	21	983
10. Sea Cucumber	164	3,903	179,039
Fresh or chilled	-	-	-
Dried, salted or in brine	173	3,903	179,039
Total major commodities	181,588	720,150	33,033,298
Total of other commodities	45,233	188,966	8,667,863
Grand Total	226,821	909,116	41,701,161

a/ - volume less than 1 metric ton

A. EXPORTS ^{5/}

1. Export of Fish and Fishery Products by Kind, Quantity and Value, 2015

Commodity/Kind	Quantity MT	FOB Value	
		('000 \$)	('000 Pesos)
A. Fish, Crustaceans, Molluscs, etc. and Preparation	180,406	687,719	31,545,656
A.1 Fish, fresh (live/dead), Chilled/Frozen	71,837	243,119	11,151,891
A.2 Fish, dried, salted/in brine; smoked fish	2,927	13,668	626,962
A.3 Crustaceans, molluscs and aquatic invertebrates	20,600	135,884	6,233,014
A.4 Fish and other aquatic invertebrate, prepared/ preserved	85,042	295	13,534
B. Shells and by-products	2,308	11,329	519,660
C. Miscellaneous fishery products and other by-product	44,107	210,069	9,635,845
Grand Total	226,821	909,116	41,701,161

G. Fish Production, by Sector 2006-2015

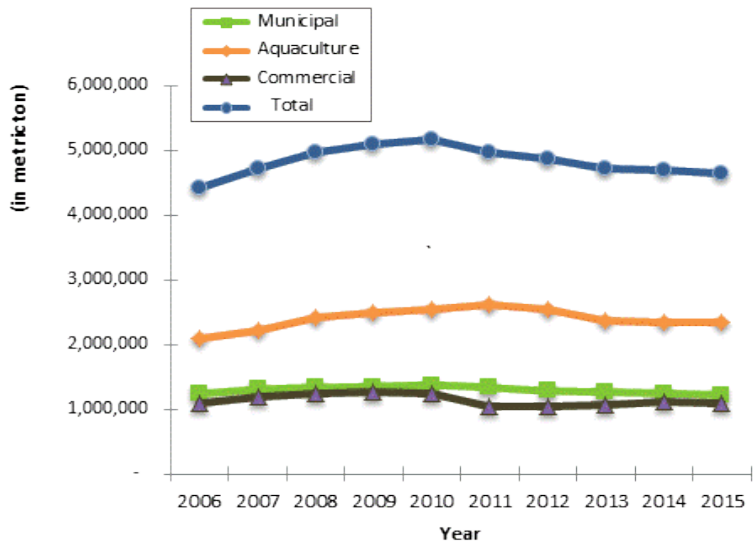
1. Volume of Fish Production (in MT)

Year	Aquaculture	Municipal	Commercial	Total
2015	2,348,161.1	1,216,526.7	1,084,624.7	4,649,312.5
2014	2,337,605.0	1,244,259.0	1,107,220.8	4,689,084.7
2013	2,373,386.5	1,264,416.5	1,067,610.3	4,705,413.3
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

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

Year	Aquaculture	Municipal	Commercial	Total
2015	93,340,915.7	81,486,171.5	64,875,286.4	239,702,373.6
2014	93,949,010.0	81,805,031.3	66,189,808.5	241,943,849.7
2013	93,731,169.9	80,897,993.1	69,922,512.0	244,551,675.1
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

Volume of Fish Production, By Sector 2006-2015



EXTERNAL TRADE



Value of Fish Production, By Sector 2006-2015

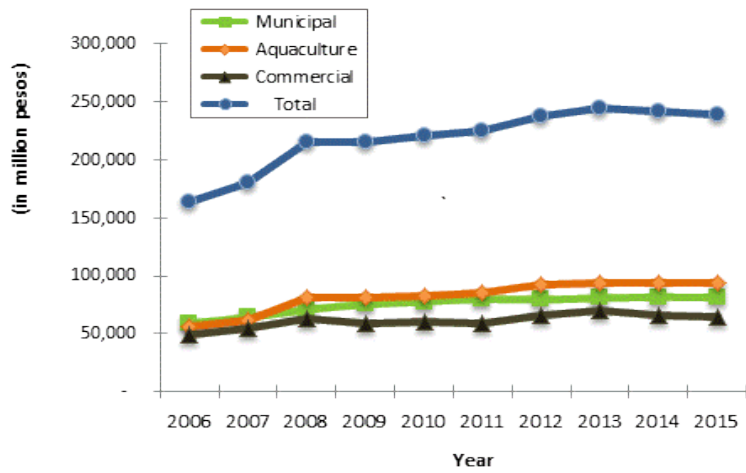


Figure 3

**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

H. Five Year Fish Production, Trend 2010-2015

Year	Quantity (MT)	% Increase/ (Decrease)	Value ('000 P)	% Increase/ (Decrease)
2015	4,649,313	(0.8)	239,702,374	(0.9)
2014	4,689,085	(0.3)	241,943,850	(1.1)
2013	4,705,413	(3.3)	244,551,675	2.9
2012	4,865,132	(2.2)	237,711,474	5.8
2011	4,973,588	(3.6)	224,695,079	1.6

Five Year Fish Production, Trend 2011-2015

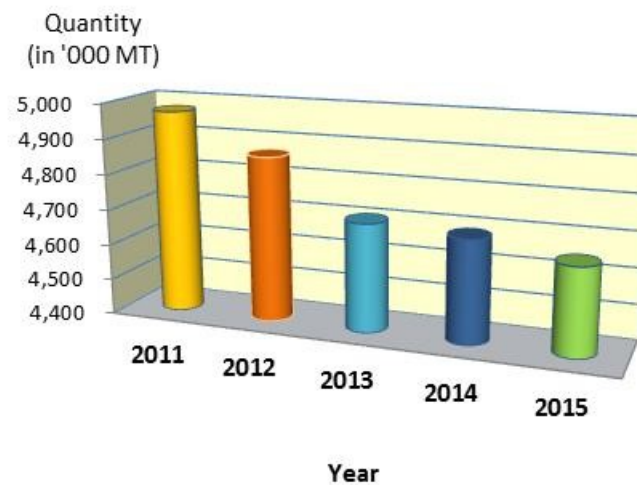


Figure 4

AQUACULTURE PRODUCTION, 2015

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



B. COMMERCIAL FISHERIES PRODUCTION, BY MAJOR FISH SPECIES, 2015

Major Species	Total (MT)	% to Total
1. Roundscad (Galunggong)	164,443.04	15.2
2. Indian Sardines (Tamban)	217,758.16	20.1
3. Frigate Tuna (Tulingan)	78,859.54	7.3
4. Skipjack (Gulyasan)	199,152.50	18.4
5. Yellowfin Tuna (Tambakol/Bariles)	102,400.30	9.4
6. Big-eyed Scad (Matang-baka)	42,995.37	4.0
7. Fimbriated Sardines (Tunsoy)	43,114.39	4.0
8. Slipmouth (Sapsap)	13,636.96	1.3
9. Eastern Little Tuna (Bonito)	20,184.46	1.9
10. Indian Mackerel (Alumahan)	32,144.10	3.0
11. Indo-pacific Mackerel (Hasa-hasa)	12,400.74	1.1
12. Other Species	157,535.14	14.5
Total	1,084,625	100.0

A. COMMERCIAL FISH PRODUCTION, BY REGION AND BY TYPE OF LANDING CENTERS, 2015
(in MT)

Region	Total	Private	PFDA	LGU	Traditional
NCR	98,484.75	-	95,713.62	-	2,771.13
CAR	-	-	-	-	-
I	3,131.62	-	1,232.03	-	1,899.59
II	11,504.18	-	-	-	11,504.18
III	6,595.13	2,475.05	-	16.76	4,103.32
IV-A	66,357.43	1,429.14	6,280.08	10,145.84	48,502.37
IV-B	41,972.98	-	-	-	41,972.98
V	63,429.61	7,543.75	-	18,847.51	37,038.35
VI	75,615.36	2,329.04	5,381.64	9,726.90	58,177.78
VII	32,246.21	6,516.48	-	3,434.98	22,294.75
VIII	28,002.40	151.59	-	32.05	27,818.76
IX	238,049.43	159,544.89	9,909.20	35,732.17	32,863.17
X	38,083.43	-	-	9,918.11	28,165.32
XI	7,301.53	1,570.66	2,403.48	2,012.26	1,315.13
XII	270,768.10	41,163.50	225,396.67	-	4,207.93
CARAGA	4,844.77	-	-	-	4,844.77
ARMM	98,237.77	-	-	-	98,237.77
TOTAL	1,084,624.70	222,724.10	346,316.72	89,866.58	425,717.30

A. SUMMARY OF AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT AND REGION, 2015
(In Metric Tons)

Region	Total Aquaculture	Brackishwater			Freshwater			Marine Waters			Oyster Mussel and Seaweed	SFR	Rice Fish
		Fish-pond	Fish cage	Fish pen	Fish cage	Fish pen	Total	Fish cage	Fish pen	Total			
NCR	1,911	2.04	-	-	491	1,164	1,655	-	-	-	254	-	-
CAR	2,693	-	-	-	936	-	2,693	-	-	-	-	-	-
I	126,846	31,148	129	772	50	1	7,689	74,585	10,902	85,487	1,614	5	3
II	12,924	4,375	124	-	288	-	7,497	-	-	7,489	894	33	-
III	229,732	94,159	-	-	19	-	120,437	7,489	-	7,489	7,647	-	-
IV-A	174,131	14,683	-	-	83,850	47,271	131,942	8	-	8	27,498	-	-
IV-B	400,538	5,000	-	-	6	-	298	113	-	113	395,126	-	-
V	72,937	8,498	-	-	6,947	-	8,709	26	-	26	55,704	-	-
VI	153,943	56,400	3	44	-	-	2,089	113	62	175	95,232	0	1
VII	102,945	5,406	1	-	3	0	94	494	4	498	96,946	-	0
XVIII*	31,466	27,125	-	-	2	-	79	417	172	588	3,673	0	0
VIII	29,277	5,972	15	13	21	-	242	153	0	154	22,881	-	-
IX	220,072	15,494	-	-	-	5	123	43	-	43	204,413	-	-
X	80,851	37,913	-	-	0	-	1,121	2,406	-	2,406	39,409	1	-
XI	32,536	3,412	32	-	8	1	2,842	17,558	2	17,560	8,688	2	-
XII	17,633	7,700	-	-	1,699	5,393	7,936	1,609	-	1,609	359	30	-
CARAG	19,089	2,609	868	3	142	-	217	588	5	593	14,799	-	-
ARMM	638,636	3,732	-	-	263	6,998	7,463	4	2	6	627,436	-	-
TOTAL	2,348,161	323,629.0	1172.0	832.2	94,723.1	60,833.3	303,126	105,605.9	11,148.7	116,755	1,602,572	72.0	3.5

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

*Negros Island Region

B. AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT, BY REGION AND SPECIES, 2015

1. Production from Brackishwater (in MT)

a) Fishpond

Region	Total	Milkfish	Tiger Prawn	W. Shrimp & Endeavor Prawn		Tilapia	Mudcrab	Groupers	Siganid	Others
NCR	2.04	2.02	..	-	0.02	..	..	..	..	..
CAR	-	..	..	-	..	..	..	..	..	..
I	31,148.00	21,932.87	2,100.79	77.34	6,368.66	12.11	..	..	75.25	580.98
II	4,375.36	529.13	44.48	144.15	2,088.60	49.47	0.28	16.36	1,502.89	1,502.89
III	94,159.27	57,210.54	23,905.05	496.35	6,129.10	4,179.83	1.85	0.20	2,236.35	2,236.35
IV-A	14,683.43	13,818.27	73.80	323.18	5.46	38.42	18.66	..	405.64	405.64
IV-B	5,000.44	4,402.48	564.03	-	..	7.60	..	..	26.33	26.33
V	8,497.91	5,004.32	1,593.87	328.07	328.06	1,239.06	0.27	..	4.26	4.26
VI	56,399.72	52,436.37	1,673.83	166.57	332.56	1,601.32	..	..	189.07	189.07
VII	5,405.52	3,549.58	199.49	8.29	98.32	4.23	..	..	1,545.61	1,545.61
XVIII	27,124.81	25,631.20	63.24	10.02	737.27	0.89	1.25	..	680.94	680.94
VIII	5,972.45	5,478.59	122.12	0.05	36.60	299.33	..	..	35.76	35.76
IX	15,493.80	9,587.45	3,880.72	684.93	1,106.33	234.37	..	..	..	..
X	37,913.43	14,262.33	14,706.44	66.02	539.78	8,336.11	..	..	2.75	2.75
XI	3,411.53	2,674.14	54.69	36.54	306.77	2.62	..	..	336.77	336.77
XII	7,700.29	6,693.42	4.12	0.37	167.74	0.64	..	..	834.00	834.00
CARAGA	2,608.77	1,498.76	273.48	105.45	4.96	107.35	..	..	618.77	618.77
ARMM	3,732.21	3,103.23	267.16	149.04	127.61	85.17	..	..	..	..
TOTAL	323,628.98	227,814.70	49,527.31	2,596.37	18,377.84	16,198.52	22.31	91.81	9,000.12	9,000.12

COMMERCIAL FISHERIES PRODUCTION, 2015

FISHING WITH THE USE OF FISHING VESSELS
MORE THAN 3 GROSS TONS.



**C. NUMBER OF MUNICIPAL FISHING VESSELS,
BY REGION, 2015***

Region	No. of Municipal Fishing Vessel Registered
NCR	197
CAR	183
I	2,686
II	4,997
III	2,702
IV-A	4,908
IV-B	18,875
V	7,521
VI	18,166
VII	19,173
VIII	14,080
IX	8,709
X	5,035
XI	3,345
XII	2,614
CARAGA	2,955
ARMM	4,391
TOTAL	120,537

* Source of Data as of December 16, 2015

BFAR - National Program for the Municipal Fishing Vessels and Gears Registration (BoatR)

b) Fish cage

Region	Total	Milkfish	Tilapia	Grouper	Siganid	Others
NCR	-	..	..	..	..	..
CAR	-	..	..	..	..	..
I	128.65	26.04	82.43	0.54	18.63	1.01
II	123.63	16.84	70.65	2.27	33.08	0.79
III	-	..	..	..	..	..
IV-A	-	..	..	..	..	..
IV-B	-	..	..	..	..	..
V	-	..	..	..	..	..
VI	3.42	..	..	3.41	..	0.01
VII	0.80	0.80	..	..	..	..
XVIII	-	..	..	..	..	..
VIII	15.00	15.00	..	..	..	..
IX	-	..	..	..	..	..
X	-	..	..	..	..	..
XI	32.18	32.18	..	..	..	..
XII	-	..	..	..	..	..
CARAGA	868.31	868.31	..	..	..	..
ARMM	-	..	..	..	..	..
TOTAL	1,171.99	959.17	153.08	6.22	51.71	1.81

a/- Volume less than .01 metric ton

c) Fish pen

Region	Total	Milkfish	Siganid	Grouper	Tilapia	Others
NCR	..	..	..	..	..	..
CAR	..	..	..	..	..	..
I	771.84	739.97	1.82		29.44	0.61
II	..	..	..	..	..	..
III	..	..	..	..	..	..
IV-A	..	..	..	..	..	..
IV-B	..	..	..	..	..	..
V	..	..	..	..	..	..
VI	44.17	44.08	..	..	..	0.09
VII	0.00	..	..	..	..	..
XVIII	0.00	..	..	..	..	..
VIII	12.84	12.84	..	..	..	..
IX	..	..	..	..	..	..
X	..	..	..	..	..	..
XI	..	..	..	..	..	..
XII	..	..	..	..	..	..
CARAGA	3.38	3.38	..	..	..	..
ARMM	-	..	..	..	..	..
TOTAL	832.23	800.27	1.82	0.00	29.44	0.70

B. MARINE MUNICIPAL FISH CATCH, BY MAJOR FISH SPECIES, 2015

Major Species	Total (MT)	% to Total
Frigate Tuna (Tulingan)	58,825.07	5.8
Big-eyed Scad (Matang-baka)	73,752.87	7.3
Roundscad (Galunggong)	60,658.65	6.0
Indian Sardines (Tamban)	72,896.41	7.2
Indian Mackerel (Alumahan)	41,935.77	4.1
Anchovies (Dilis)	43,392.76	4.3
Yellowfin tuna (Tambakol)	40,986.53	4.1
Squid (Pusit)	40,718.74	4.0
Fimbriated Sardines (Tunsoy)	40,727.95	4.0
Slipmouth (Sapsap)	34,468.45	3.4
Others	503,429.53	49.8
Total	1,011,792.73	100.0

C. INLAND MUNICIPAL FISH CATCH BY MAJOR SPECIES, 2015 (in MT)

Major Species	Total	% to Total
Milkfish (Bangus)	8,312.70	4.06
Tilapia	50,473.73	24.65
Carp (Carpa)	14,426.79	7.05
Big-head carp	16,261.52	7.94
Silver perch (Ayungin)	1,921.21	0.94
Freshwater goby (Biya)	3,987.98	1.95
Mudfish	11,753.53	5.74
Freshwater catfish (Hito)	6,263.40	3.06
Freshwater Shrimps	5,193.24	2.54
Gourami	5,665.72	2.77
Mullet (Kapak)	956.19	0.47
Freshwater sardines (Tawilis)	1,274.01	0.62
Others	78,243.97	38.22
Total	204,733.99	100.00

**A. MUNICIPAL FISHERIES PRODUCTION, BY REGION, 2015
(in MT)**

Region	Marine	Inland	Total
NCR	6,707.25	..	6,707.25
CAR	..	1,173.82	1,173.82
I	30,253.04	1,661.25	31,914.29
II	21,337.96	10,587.32	31,925.28
III	26,790.02	13,851.59	40,641.61
IV-A	36,578.83	101,278.51	137,857.34
IV-B	144,781.41	985.30	145,766.71
V	125,807.27	6,013.98	131,821.25
VI	137,246.62	6,149.38	143,396.00
VII	48,317.82	189.67	48,507.49
VIII	76,953.62	744.05	77,697.67
IX	124,379.63	902.48	125,282.11
X	40,051.79	3,816.36	43,868.15
XI	19,433.74	226.74	19,660.48
XII	17,744.00	22,531.04	40,275.04
CARAGA	55,034.41	4,380.55	59,414.96
ARMM	100,156.32	30,241.95	130,398.27
TOTAL	1,011,573.73	204,733.99	1,216,307.72

2. Production from Freshwater (in MT)

a) Fishpond

Region	Total	Tilapia	Milkfish	Carp	Catfish	Mudfish	Gourami	Fresh-water Prawn	Others
NCR	-	..	..	..	..	..	..	..	..
CAR	1,756.92	1,756.10	..	0.14	0.63	0.05	..	..	..
I	7,637.86	7,556.58	3.54	15.87	12.64	44.89	4.11	..	0.23
II	7,209.49	7,032.03	..	9.52	137.13	21.36	0.03	1.43	7.99
	120,418.29	117,885.50	-	247.92	1,357.27	756.76	137.08	..	33.76
IV-A	821.22	603.36	..	0.12	213.30	0.08	..	0.85	3.51
IV-B	292.70	292.61	..	-	0.01	0.08	..	..	..
V	1,762.12	1,632.82	..	..	94.44	..	0.20	..	34.66
VI	2,088.65	1,327.56	..	..	759.28	0.10	..	0.24	1.47
VII	91.63	91.31	..	0.08	0.01	0.23	..	..	..
XVIII	77.57	13.97	0.05	..	63.55	..	..	..	..
VIII	221.20	220.67	..	..	0.53	..	..	..	..
IX	117.84	81.96	..	..	0.05	35.83	..	..	..
X	1,120.39	969.95	..	77.23	9.11	64.05	0.03	..	0.02
XI	2,832.76	2,270.39	..	1.70	516.54	42.59	1.35	..	0.19
XII	843.57	465.22	..	1.32	313.74	59.76	0.31	..	3.22
CARAGA	75.01	74.00	..	0.63	0.02	0.32	..	..	0.04
ARMM	202.11	64.93	..	..	137.18	..	..	..	..
TOTAL	147,569.33	142,338.96	3.59	354.53	3,615.43	1,026.10	143.11	2.52	85.09

b) Fish cage

Region	Total	Tilapia	Milkfish	Carp	Catfish	Others
NCR	490.57	398.22	5.64	86.71	..	-
CAR	935.96	935.96	..	..	..	..
I	49.89	48.47	0.30	..	1.12	..
II	287.77	287.77	..	..	..	..
III	19.04	19.04	..	..	..	..
IV-A	83,849.66	68,089.13	14,004.40	1,756.13	..	..
IV-B	5.70	5.70	..	..	..	..
V	6,946.82	6,934.01	..	12.81	..	..
VI	-	..	..	..	..	..
VII	2.59	2.59	..	..	..	..
XVIII	1.72	1.72	..	..	..	..
VIII	21.23	21.23	..	..	..	..
IX	-	..	..	..	..	..
X	0.42	0.42	..	..	..	..
XI	8.42	8.39	..	0.02	0.01	..
XII	1,698.97	1,696.87	..	..	..	2.10
CARAGA	141.50	140.44	1.06	..	..	..
ARMM	262.80	198.90	63.90	..	..	..
TOTAL	94,723.06	78,788.86	14,075.30	1,855.67	1.13	2.10

MUNICIPAL FISHERIES PRODUCTION, 2015

THIS INCLUDES FISHING DONE IN COASTAL AND INLAND WATERS WITH OR WITHOUT THE USE OF BOATS OF 3 GROSS TONS OR LESS



D. MAJOR SPECIES PRODUCED IN AQUACULTURE FISHERIES, 2015

Species	Quantity (MT)	Percent (%)
Seaweeds	1,566,362	66.71
Milkfish	384,425	16.37
Tilapia	261,210	11.12
Shrimps/Prawns	52,124	2.22
Others	84,040	3.58
Total	2,348,161	100.00

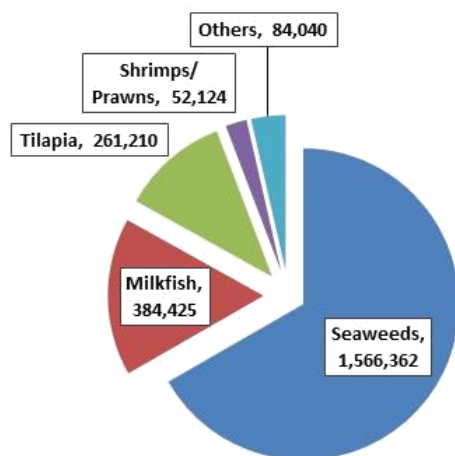


Figure 5. Major Species Produced in Aquaculture, 2015 (in Metric Ton)

c) Fish pen

Region	Total	Tilapia	Milkfish	Carp	Catfish	Others
NCR	1,164.4	..	1,164.4	..	..	..
CAR	-	..	..	..	..	..
I	0.9	0.9	..	..	..	..
II	-	..	..	..	..	..
III	-	..	..	..	..	..
IV-A	47,271.4	12,414.7	20,196.9	14,659.7	..	..
IV-B	-	..	..	..	..	..
V	-	..	..	..	..	..
VI	-	..	..	..	..	..
VII	0.1	0.1	..	..	..	..
XVIII	-	..	..	..	..	..
VIII	-	..	..	..	..	..
IX	4.8	1.1	..	..	..	3.7
X	-	..	..	..	..	..
XI	0.8	0.8	..	..	..	..
XII	5,393.3	3,353.0	2,040.4	..	..	..
CARAGA	-	..	..	..	..	..
ARMM	6,997.6	5,689.7	1,307.6	..	0.4	..
TOTAL	60,833.3	21,460.3	24,709.2	14,659.7	0.4	3.7

d) Small-farm Reservoir

Region	Total	Tilapia	Milkfish	Carp	Catfish	Gourami	Mudfish	F. Shrimp (Ulang)	White Shrimps	Others
I	5.40	4.73	-	0.02	0.45	0.03	0.17	-	-	..
II	32.83	26.32	..	2.00	2.28	..	2.15	..	..	0.08
III	-	..	..	..	..	..	..	..	..	..
XVIII	0.02	0.02	..	..	..	..	..	..	..	..
X	1.31	1.31	..	..	..	..	..	..	..	..
XI	2.45	2.38	..	..	0.07	..	..	..	..	..
XII	30.03	24.46	..	0.92	1.14	0.68	2.83	..	..	..
CARAGA	-	..	..	..	..	..	..	..	..	..
ARMM	-	..	..	..	..	..	..	..	..	..
TOTAL	72.04	59.22	-	2.94	3.94	0.71	5.15	-	-	0.08

e) Rice Fish

Region	Total	Tilapia	Carp	Catfish	Gourami	Mudfish	Others
I	2.90	2.19	0.08	0.11	0.41	0.11	-
VI	0.50	0.50	..	..	..	..	..
XVIII	0.06	0.06	..	..	..	..	..
TOTAL	3.46	2.75	0.08	0.11	0.41	0.11	-

3. Production from Marine Waters (in MT)

a) Fish cage

Region	Total	Milkfish	Grouper	Siganid	Spiny lobster	Tiger Prawn	Tilapia	Others
NCR	-	..	..	..	..	-	-	..
CAR	-	..	..	..	..	-	-	..
I	74,585.04	74,577.00	0.34	1.17	..	..	..	6.53
II	-	..	..	..	..	..	..	..
III	7,488.74	7,483.14	..	..	..	..	..	5.60
IV-A	7.61	7.03	0.22	..	..	..	..	0.36
IV-B	113.08	54.73	0.05	0.11	..	..	..	58.19
V	25.76	0.28	7.37	..	..	..	..	18.11
VI	113.16	88.00	18.29	..	..	..	..	6.87
VII	494.66	474.08	..	0.02	..	..	..	20.56
XVIII	416.81	236.49	162.10	0.08	..	..	..	18.14
VIII	153.44	151.83	1.61	..	..	..	..	..
IX	43.17	..	43.17	..	..	..	..	..
X	2,406.35	2,402.67	1.80	1.84	..	..	..	0.04
XI	17,558.45	17,475.96	..	73.09	..	..	..	9.40
XII	1,608.62	1,392.12	0.01	..	..	..	..	216.49
CARAGA	588.00	580.34	..	1.27	4.80	..	..	1.59
ARMM	3.58	..	..	..	..	..	..	3.58
TOTAL	105,606.47	104,923.67	234.96	77.58	4.80	-	-	365.46

Seaweeds

Region	Total
NCR	..
CAR	..
I	26.47
II	266.46
III	1,827.50
IV-A	23,492.73
IV-B	395,125.80
V	55,382.09
VI	80,569.18
VII	96,363.53
XVIII	227.96
VIII	18,513.49
IX	204,180.50
X	39,409.13
XI	8,384.02
XII	358.65
CARAGA	14,798.71
ARMM	627,435.50
TOTAL	1,566,361.72

Tilapia

Region	Total	Brackishwater		Freshwater		Small-farm Reservoir	Rice Fish	Marine Fish	Fish pen
		Fishpond	Fish cage	Fishpond	Fish cage					Fish pen	Fish pen
NCR	398.24	0.02	..	..	398.22	..	..	..	-
CAR	2,692.06	..	..	..	935.96	..	..	..	-
I	14,093.36	6,368.66	82.43	29.44	7,556.58	0.86	2.19	..	..
II	9,505.37	2,088.60	70.65	..	287.77	..	..	..	..
III	124,033.64	6,129.10	..	..	117,885.50	..	..	..	..
IV-A	81,112.68	5.46	..	..	603.36	12,414.73	..	..	..
IV-B	298.31	..	..	..	292.61	..	..	..	..
V	8,894.89	328.06	..	..	1,632.82	..	..	..	..
VI	1,660.62	332.56	..	..	1,327.56	..	0.50	..	..
VII	192.36	98.32	..	..	91.31	0.14	..	..	..
XVIII	753.04	737.27	..	..	13.97	..	0.06	..	..
VIII	278.50	36.60	..	..	220.67	..	..	..	..
IX	1,189.42	1,106.33	..	..	81.96	1.13	..	..	..
X	1,511.46	539.78	..	..	969.95	..	..	1.31	..
XI	2,588.68	306.77	..	..	2,270.39	0.75	..	2.38	..
XII	5,707.26	167.74	..	..	465.22	3,352.97	..	24.46	..
CARAGA	219.40	4.96	..	..	74.00	..	..	..	..
ARMM	6,081.12	127.61	..	..	64.93	5,689.68	..	..	..
TOTAL	261,210.41	18,377.84	153.08	29.44	142,338.96	21,460.26	2.75	59.22	-

b) Fish pen

Region	Total	Milkfish	Grouper	Siganid	Cavalla	Spiny Lobster	Mudcra	Tilapia	Others
NCR	-	..	..	..	..	..	..	..	..
CAR	-	..	..	..	..	..	..	..	..
I	10,901.57	10,901.40	0.17	..	..	..	..	..	..
II	-	..	..	..	..	..	..	..	..
III	-	..	..	..	..	..	..	..	..
IV-A	-	..	..	..	..	..	..	..	..
IV-B	-	..	..	..	..	..	..	..	..
V	-	..	..	..	..	..	..	..	..
VI	61.96	61.96	..	..	..	..	..	..	..
VII	4.15	3.28	..	..	..	..	..	0.87	..
XVIII	171.63	171.43	0.20	..	..	..	..	..	..
VIII	0.30	0.30	..	..	..	..	..	..	..
IX	-	..	..	..	..	..	..	..	..
X	-	..	..	..	..	..	..	..	..
XI	1.62	1.17	0.08	0.20	..	..	..	0.17	..
XII	-	..	..	..	..	..	..	..	..
CARAGA	5.30	..	0.29	..	..	3.46	..	1.55	..
ARMM	2.14	..	..	..	..	0.52	..	1.62	..
TOTAL	11,148.67	11,139.54	0.25	0.69	-	3.98	-	4.21	-

4. Production from Mariculture (in MT)

Region	Total	Oyster	Mussels	Seaweeds
NCR	253.61	..	253.61	..
CAR	-	..	..	..
I	1,613.81	1,187.68	399.66	26.47
II	894.45	627.99	..	266.46
III	7,646.91	5,294.25	525.16	1,827.50
IV-A	27,497.90	569.65	3,435.52	23,492.73
IV-B	395,125.80	..	..	395,125.80
V	55,704.30	..	322.21	55,382.09
VI	95,231.84	8,396.61	6,266.05	80,569.18
VII	96,946.13	582.60	..	96,363.53
XVIII	3,673.01	3,065.62	379.43	227.96
VIII	22,880.93	..	4,367.44	18,513.49
IX	204,412.65	232.15	..	204,180.50
X	39,409.19	..	0.06	39,409.13
XI	8,688.27	304.25	..	8,384.02
XII	358.65	..	..	358.65
CARAGA	14,798.71	..	..	14,798.71
ARMM	627,435.50	..	..	627,435.50
TOTAL	1,602,571.66	20,260.80	15,949.14	1,566,361.72

C. AQUACULTURE PRODUCTION OF MAJOR COMMODITIES BY CULTURE ENVIRONMENT AND BY REGION, 2015 (In Metric Tons)

Milkfish

Region	Total	Brackishwater		Freshwater		Marine		Small Farm Reservoir
		Fishpond	Fish cage	Fish pond	Fish cage	Fish cage	Fish pen	
NCR	1,172.05	2.02	..	..	5.64	1,164.39	..	..
CAR	-	..	..	..	..	..	..	..
I	108,181.12	21,932.87	26.04	3.54	0.30	..	74,577.00	10,901.40
II	545.97	529.13	16.84	..	..	..	..	..
III	64,693.68	57,210.54	..	..	..	..	7,483.14	..
IV-A	48,026.62	13,818.27	..	..	14,004.40	20,196.92	7.03	..
IV-B	4,457.21	4,402.48	..	..	..	..	54.73	..
V	5,004.60	5,004.32	..	..	..	..	0.28	..
VI	52,630.41	52,436.37	..	..	..	..	88.00	61.96
VII	4,027.74	3,549.58	0.80	..	..	..	474.08	3.28
XVIII	26,039.17	25,631.20	..	0.05	..	..	236.49	171.43
VIII	5,658.56	5,478.59	15.00	..	..	..	151.83	0.30
IX	9,587.45	9,587.45	..	..	..	..	..	..
X	16,665.00	14,262.33	..	..	..	..	2,402.67	..
XI	20,183.45	2,674.14	32.18	..	..	..	17,475.96	1.17
XII	10,125.90	6,693.42	..	..	..	2,040.36	1,392.12	..
CARAGA	2,951.85	1,498.76	868.31	..	1.06	..	580.34	..
ARMM	4,474.68	3,103.23	..	..	63.90	1,307.55	..	..
TOTAL	384,425.46	227,814.70	959.17	3.59	14,075.30	24,709.22	104,923.67	11,139.54