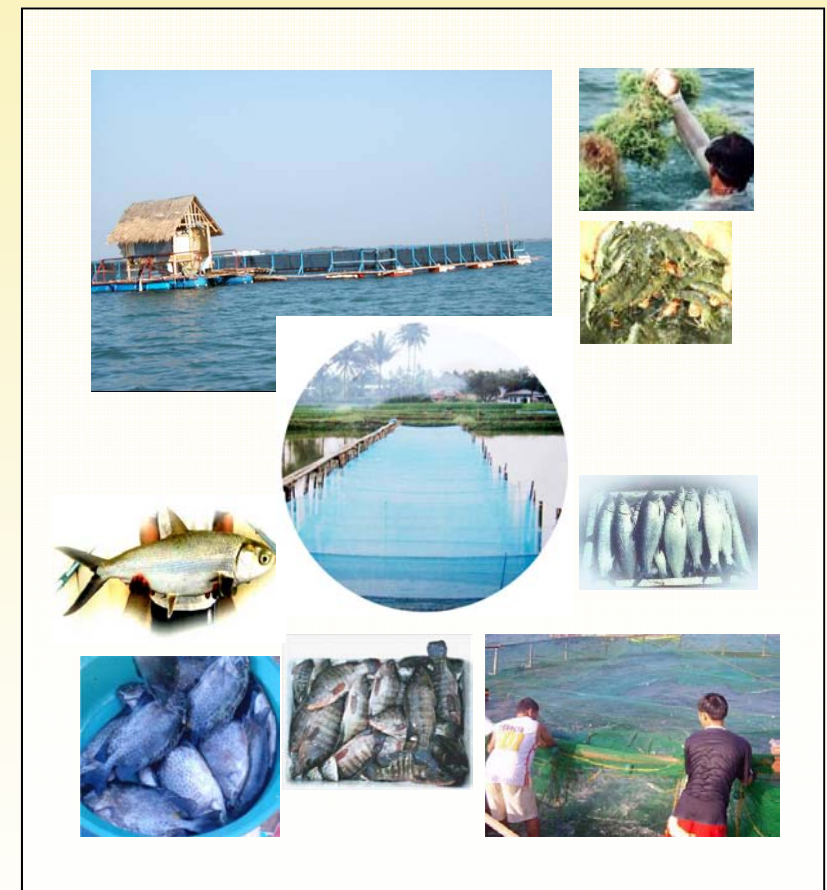


PHILIPPINE FISHERIES PROFILE, 2006



Department of Agriculture
BUREAU OF FISHERIES AND AQUATIC RESOURCES

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Department of Agriculture
BUREAU OF FISHERIES AND AQUATIC RESOURCES

FOREWORD

Every year, the Bureau of Fisheries and Aquatic Resources (BFAR) is producing a compilation of most relevant fisheries data, which is intended to provide ready-to-use and reliable information to all interested users including the decision/policy makers and researchers. The Philippine Fisheries Profile contains highlights of the previous year's performance of the fisheries industry; its contribution to the national economy; the employment it has generated; the total volume and value of production, both from capture and aquaculture; its share of the foreign trade earnings; as well as its share of the global production of fish, crustaceans, and aquatic plants.

The compilation of these information was made possible through the active collaboration with various government agencies and other institutions such as the Bureau of Agricultural Statistics (BAS), the National Statistics Office (NSO), the National Statistical Coordination Board (NSCB), Food and Nutrition Research Institute (FNRI), and the Food and Agriculture Organization (FAO).

As we distribute the 2006 version of the Philippine Fisheries Profile, we sincerely hope that we can reach out to as many clients and users as possible, and that we satisfy their needs for a concise yet dependable fisheries information and statistics.



MALCOLM I. SARMIENTO, JR.
Director



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2007

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ENDNOTES

Sources of Data:

- ^{1/} NAMRIA, 1990
- ^{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, 2006
National Statistical Coordination Board (NSCB)
- ^{4/} Preliminary data, 2002 Census of Fisheries
- ^{5/} National Statistics Office (NSO)
- ^{6/} Bureau of Agricultural Statistics (BAS)
- ^{7/} Directory of Philippine Wetlands, Volume II, AWBPFI
- ^{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)

**E. PRICES OF SELECTED FISH SPECIES,
PHILIPPINES, 2005- 2006** ^{12/}
(pesos per kilogram)

Species	2006		2005	
	Wholesale	Retail	Wholesale	Retail
1. Indian mackerel (Alumahan)	72.14	89.49	67.05	83.66
2. Milkfish (Bangus)	73.50	89.59	69.82	87.36
3. Threadfin bream (Bisugo)	85.47	116.23	77.52	110.02
4. Blue crab (Alimasag)	106.24	136.03	91.03	130.91
5. Caesio (Dalagang Bukid, lapad)	76.74	116.12	72.43	111.36
5. Anchovies (Dilis)	41.43	60.52	38.98	55.91
6. Roundscad (Galunggong)	53.31	73.43	47.43	66.99
7. Slipmouth (Sapsap)	54.94	100.49	43.85	91.77
9. Endeavor prawn (Shrimp, Suaje)	229.25	246.40	228.59	240.98
10. Tilapia	54.57	70.46	53.97	69.29
11. Frigate tuna (Tulingan)	60.90	72.27	55.63	67.81
12. Tiger prawn (sugpo)	360.89	399.06	345.29	390.71

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World Scenario: *Philippine Fisheries*

- In 2004, the Philippines ranked 9th among the top fish producing countries in the world with its total production of 3.93 million metric tons of fish, crustaceans, mollusks, and aquatic plants (including seaweeds). The production constitutes 2.5% of the total world production of 155.84 million metric tons (*FAO website*).
- The Philippines' 0.512 million metric tons aquaculture production of fish, crustaceans and mollusks in 2004 ranked 11th in the world and a 1.1% share to the total global aquaculture production of 45.5 million metric tons. In terms of value, the country's aquaculture production of fish, crustaceans and mollusks has amounted to over 701 million dollars (*FAO website*).
- Similarly, the Philippines is the world's 2nd largest producer of aquatic plants (including seaweeds) having produced a total of 1.205 million metric tons or nearly 8.6% of the total world production of 13.9 million metric tons (*FAO website*).

Contribution to National Economy, 2006

- The fishing industry's contribution to the country's Gross Domestic Products (GDP) were 2.2% and 4.3% at current and constant prices, respectively. This translates to some P129.8 billion for current prices and P54 billion for constant prices of the country's GDP of P6,032.6 billion (current prices) and P1,276 billion (constant prices).
- The industry also accounted for 15% (P130 billion) and 23% (P54.8 billion) of the Gross Value Added (GVA) in Agriculture, Fishery and Forestry Group of P855 billion and P239.8 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

- Fisheries production grew remarkably by 39% from 3.17 million metric tons in CY 2001 to 4.408 million metric tons in CY 2006. Average annual production growth rate within that period was registered at 7%. In terms of value, the 2006 fisheries production was valued at 163.4 billion pesos as compared with the 106.9 billion pesos in 2001, an average yearly increment of 10.8 billion pesos.

D. WORLD AQUACULTURE PRODUCTION OF AQUATIC PLANTS BY PRINCIPAL PRODUCERS IN 2004

Major Countries	Volume (MT)	% Share	Value (US\$' 000)	% Share
1. China	10,714,610	76.93	5,127,645	75.30
2. Philippines	1,204,808	8.65	93,858	1.38
3. Korea Rep.	547,108	3.93	231,917	3.41
4. Japan	484,389	3.48	1,036,728	15.23
5. Korea D.P. Rep.	444,295	3.19	244,362	3.59
6. Indonesia	410,570	2.95	32,846	0.48
7. Malaysia	30,957	0.22	4,073	0.06
8. Viet Nam	30,000	0.22	15,000	0.22
9. Chile	19,714	0.14	13,800	0.20
10. Other Countries	40,616	0.29	8,961	0.13
World Total	13,927,067	100.00	6,809,190	100

C. WORLD AQUACULTURE PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS, etc. BY PRINCIPAL PRODUCERS IN 2004

Major Countries	Volume (MT)	% Share	Value (US\$' 000)	% Share
1. China	30,614,968	67.33	30,869,518	48.7
2. India	2,475,335	5.44	2,936,479	4.6
3. Vietnam	1,198,617	2.64	2,443,589	3.9
4. Thailand	1,172,866	2.58	1,586,626	2.5
5. Indonesia	1,045,051	2.30	1,993,240	3.1
6. Bangladesh	914,752	2.01	1,363,180	2.2
7. Japan	776,421	1.71	3,205,093	5.1
8. Chile	674,979	1.48	2,801,037	4.4
9. Norway	637,993	1.40	1,688,202	2.7
10. USA	606,549	1.33	907,003	1.4
11. Philippines	512,220	1.13	700,854	1.1
12. Egypt	471,535	1.04	617,993	1.0
13. Other Countries	4,367,070	9.6	12,243,615	19.3
World Total	45,468,356	100.00	63,356,429	100

- The 2006 fisheries production also showed a remarkable 6% increase from the previous year's production of 4.408 million metric tons. The 2006 production was valued at 163.4 billion pesos, 12% higher than the 146.4 billion pesos production value of the preceding year.
- The outstanding performance of the fishing industry was attributed to the excellent growth in production of the three (3) sectors. The aquaculture sector posted the highest growth with 47.5% (2.092 million MT) followed by the municipal sector with 28% (1.235 million MT), and the commercial sector with 24.5 % increase (1.081 million MT). The tremendous growth in aquaculture, however, underscores the importance of the sector in maintaining the supply of fish.
- Correspondingly, the Autonomous Region for Muslim Mindanao (ARMM) registered the highest production among all regions with its 16.8% or 738,540.24 metric tons share to the total fisheries production, where seaweed was the major commodity produced. Region IV-B (MIMAROPA) made a 16.2% share, while Region IX contributed 13% to the total fisheries production.

In terms of value, the industry has attained a 11.6% increase from P146.4 billion in 2005 to P163.4 billion in 2006.

Fisheries Export and Import Performance

Exports

- Foreign trade performance of the fishery industry in 2006 registered a net surplus of 386 million dollars – total export value of 505 million US dollars and import value of 119 million US dollars.
- However, export volume (189,851 MT) increased by 5% in 2006 as compared to the 180,774 MT of fish and fishery products the country has exported in 2005. The three major export commodities (tuna, shrimp/prawn, seaweeds) combined for 64% (121,539 MT) of the total export volume (189,851 MT) and 62% (US\$315.4 million) of the total export value (US\$ 504.6 million) in 2006.
- Tuna remained as the top export commodity with a collective volume of 71,645 MT for fresh/chilled/frozen, smoked/dried, and canned tuna products valued at US \$143.34 million. Canned tuna, though, constitutes bulk of tuna products being exported. In general, however, tuna export went up by 31% in terms of volume and 46% in terms of value. Major markets for this commodity include Japan, USA, Thailand and Singapore.

- Shrimp/Prawn on the other hand remained 2nd with a total contribution of US\$100.4 million to the total export earnings. Most of the shrimps/prawns are exported in fresh/chilled/frozen form with a total value of US\$ 97.4 million or 97% of the total shrimp/prawn export revenue. The 2006 shrimp/prawn exports, however, increased by 9% in volume (MT) and 7% in value (USD) from the previous year's export. Japan, Korea, and USA are among the major destination of shrimp/prawn products.
- Seaweeds export value decreased by 1% from US\$72 million in 2005 to US\$ 71.6 million in 2006 or 14% share to the total export earnings for that year. Carrageenan is the major product being shipped abroad comprising 65% of the total seaweed export value. China, USA, France and Hongkong are among the major markets for Philippine seaweed products.
- Other major fishery exports e.g. crabs/crab fats, shells, octopus, lapu-lapu, sardines, cuttlefish/squid and ornamental fish constitute 28% or US\$ 438 million of the total US\$ 504.6 million export revenues. Other commodities accounted for the remaining 19% 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 (16%), Hongkong (8%), Germany (7%), Korea, Rep of (South) (7%), Canada (3%), Thailand (3%), Taiwan (ROC) (3%), Singapore (3%) and United Kingdom (3%). Other countries have a cumulative share of 23%.

Imports

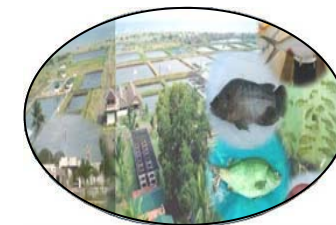
- 70% of the total import value for 2006 was contributed by three major commodities in chilled/frozen fish (38%) , prawn feeds (17%); as well as flour, meals and pellets of fish, crustaceans, and mollusks fit and unfit for human consumption (16 %). These commodities have an aggregated value of US\$ 83 million out of the US\$ 118.6 million total import value.
- Prawn feeds were mostly sourced from USA (21%), Netherlands (11%), Thailand (11%), Singapore (10%), Belgium (7%), Spain (7%), China (6%), France (4%), Germany (4%),Taiwan (ROC) (3%) and other countries comprising 17% of the total prawn feeds import value of US\$ 20 million.
- Chilled/frozen fish comprise of tuna, mackerel and milkfish with a total of US\$ 45 million . Tuna has an import value of US \$ 27 million, the largest among the three major import with a share of 62%. These were mostly supplied by the Papua New Guinea (22 %), Indonesia (13%), and Taiwan (ROC) (9%). Other fishery imports include mackerel (37%) and milkfish (0.5%).
- In terms of value, in general, the Philippine fishery imports originated from the following major countries: China (17%); USA (14%); ; Indonesia (12%); Papua New Guinea (9%); Thailand (6%); Taiwan (ROC) (5%); Japan (4%); Singapore (3%); Peru (3%) and Chile (3%). Other countries contributed 25% to the total import value of fish and fishery products.

B. WORLD FISHERIES PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS AND AQUATIC PLANTS ^{11/} (includes seaweeds), BY CAPTURE AND AQUACULTURE, BY MAJOR PRODUCERS, 2004 ('000 MT)

Major Countries	TOTAL		Fish, Crustaceans & Molluscs		Aquatic Plants (includes seaweeds)			
	MT	% share	Capture	Aquaculture	Total	Capture	Aquaculture	T total
1. China	58,600,941	37.60	16,892,793	30,614,968	47,507,761	378,570	10,714,610	11,093,180
2. Peru	9,642,797	6.19	9,613,180	22,199	9,635,379	7,418	-	7,418
3. Indonesia	6,337,381	4.07	4,811,320	1,045,051	5,856,371	70,440	410,570	481,010
4. India	6,088,059	3.91	3,615,724	2,472,335	6,088,059	-	-	-
5. Chile	6,020,646	3.86	4,935,376	674,979	5,610,355	390,577	19,714	410,291
6. USA	5,601,714	3.59	4,959,826	606,549	5,566,375	35,339	-	35,339
7. Japan	5,775,987	3.71	4,401,341	776,421	5,177,762	113,836	484,389	598,225
8. Thailand	4,017,954	2.58	2,845,088	1,172,866	4,017,954	-	-	-
9. Philippines	3,929,031	2.52	2,211,570	512,220	2,723,790	433	1,204,808	1,205,241
10. Norway	3,308,540	2.12	2,522,225	637,993	3,160,218	148,322	-	148,322
11. Russian Fed	3,109,575	2.00	2,941,533	109,802	3,051,335	58,024	216.00	58,240
12. Viet Nam	3,108,105	1.99	1,879,488	1,198,617	3,078,105	-	30,000	30,000
13. Korea Rep.	2,537,253	1.63	1,575,337	405,748	1,981,085	9,060	547,108	556,168
14. Other Countries	37,756,860	24.23	31,802,007	5,218,608	37,020,615	220,593	515,652	736,245
World Total	155,834,843	100.00	95,006,808	45,468,356	140,475,164	1,432,612	13,927,067	15,359,679

A. 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



► **Fishery Resources**

► **Fisheries Contribution To The Economy, 2006**

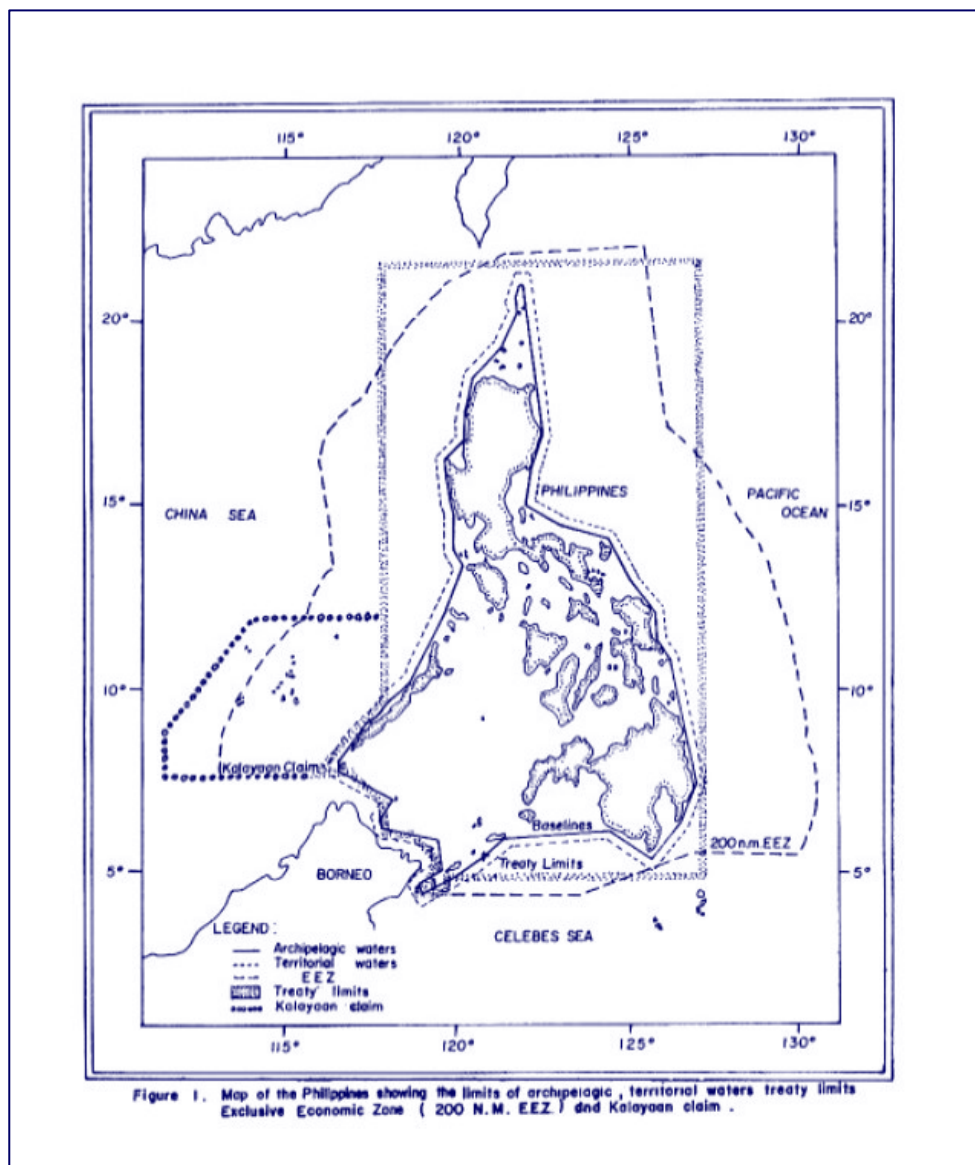
Notes:

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)

Philippine Marine Jurisdictional Boundaries



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

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.

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) 17,460 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

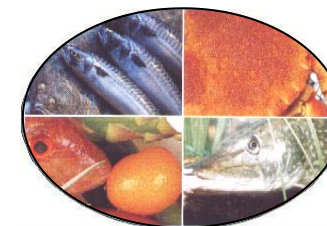
II. FISHERIES CONTRIBUTION TO THE ECONOMY, 2006

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

1 At Current Prices	2.2%
2. At Constant Prices	4.3%

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

Industry Group	At Current Prices (P M)	% to Agri-cultural Sector	At Constant Prices (P M)	% to Agri-cultural Sector
1. Agricultural crops (Palay, corn, coconut ,etc)	505,860	59.1	119,670	49.9
2. Livestock	111,360	13.0	28,397	11.8
3. Poultry	64,007	7.5	25,016	10.4
4. Agricultural activities	40,058	4.7	10,603	4.4
5. Fishery	129,823	15.2	54,825	22.9
6. Forestry	4,343	0.5	1,326	0.6
Total	855,451	100.0	239,837	100.0



► Other Fishery Information

3. Fishery Imports, by Major Country of Origin in Terms of Value, 2006

Major Countries	Quantity (MT)	FOB Value	
		(000 Php)	(000 US \$)
China, People's Rep. of	60,662	1,063,236	20,534
USA	27,588	832,463	16,077
Indonesia	22,731	734,917	14,193
Papua New Guinea	13,383	530,036	10,236
Thailand	7,559	366,646	7,081
Taiwan (Rep. of China)	9,618	325,588	6,288
Japan (excludes Okinawa)	11,536	232,354	4,487
Singapore	2,654	190,329	3,676
Peru	6,615	182,409	3,523
Chile	3,969	154,327	2,980
Total Major Countries	166,315	4,612,305	89,075
Other Countries	43,300	1,529,512	29,539
Grand Total	209,615	6,141,817	118,614

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/}

	2006			2005		
	Quantity (MT)	FOB Value (P M)	(\$ M)	Quantity (MT)	FOB Value (P M)	(\$ M)
Fishery Exports	189,851	25,701	505	180,774	23,664	457
Fishery Imports	209,615	6,142	119	231,715	6,968	132
Trade Balance	(19,764)	19,559	386	(50,941)	16,696	325

E. Total Fish Production, by Sector, 2006

Sector	Quantity (MT)	%	Value ('000 P)	%
1. Aquaculture	2,092,275.8	47.5	55,671,892.81	34.1
2. Municipal Fisheries	1,235,528.8	28.0	59,146,569.72	36.2
3. Commercial Fisheries	1,080,667.7	24.5	48,555,921.02	29.7
Total	4,408,472.3	100.0	163,374,383.55	100.0

Commodity/Kind	Quantity (MT)	FOB Value	
		(Php)	(US \$)
2. Prawn feeds	28,556	1,036,366	20,015
U S A	6,353	217,769	4,206
Netherlands	4,802	111,990	2,163
Thailand	2,264	110,956	2,143
Singapore	1,097	106,184	2,051
Belgium	1,125	71,045	1,372
Spain	1,589	68,676	1,326
China, People's Rep	2,040	65,008	1,255
France	1,410	38,224	738
Germany	2,013	36,451	704
Taiwan (Rep. of China)	689	35,723	690
Others	5,175	174,339	3,367
3. Flour, meals & pellets of fish, crustaceans & molluscs unfit for human consumption	33,431	952,846	18,402
U S A	16,656	378,564	7,311
Thailand	3,587	151,015	2,916
Peru	2,865	115,094	2,223
Australia	1,915	43,387	838
South Africa, Rep of	855	33,816	653
Singapore	424	24,352	470
Chile	437	22,778	440
Indonesia	1,403	21,801	421
Malaysia	742	20,586	398
China, People's Rep. of	571	20,352	393
Others	3,978	121,101	2,339
Total major imports	165,312	4,320,158	83,433
Other Commodities	44,303	1,821,659	35,181
Grand Total	209,615	6,141,817	118,614

2. Major Fishery Imports in Terms of Value, 2006

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 Php)	(000 US \$)
1. Chilled Frozen Fish	103,325	2,330,946	45,016
A. Tuna	40,382	1,446,118	27,928
Papua New Guinea	13,039	519,262	10,028
Indonesia	9,839	304,554	5,882
Taiwan (Rep. of China)	5,113	210,043	4,056
Micronesia	6,041	175,062	3,381
Japan (excludes Okinawa)	2,473	70,606	1,364
Marshall Islands, Rep of	1,000	67,679	1,307
Vanuatu (New Hebrides)	1,493	58,812	1,136
Singapore	260	11,899	230
Solomon Islands (British)	260	8,457	163
India	128	6,276	121
China, People's Rep. of	331	5,035	97
Korea, Rep of (South)	103	2,404	46
Others	303	6,030	116
B. Mackerel	62,514	872,282	16,846
China, People's Rep. of	49,196	668,521	12,911
Japan	8,640	133,672	2,582
Taiwan, Rep of China	2,962	42,157	814
Korea	921	15,502.31	299
U S A	242	3,751.25	72
Others	553	8,679	168
C. Milkfish	428	12,546	242
Indonesia	323	9,504	184
Taiwan, Rep of China	23	1,372	27
China, People's Rep. of	51	1,125	22
U S A	25	339	7
Pacific Trust Territory	5	166	3
Thailand	2	29	1
Malaysia	0.2	9	0.2

Total Fish Production, By Sector, 2006

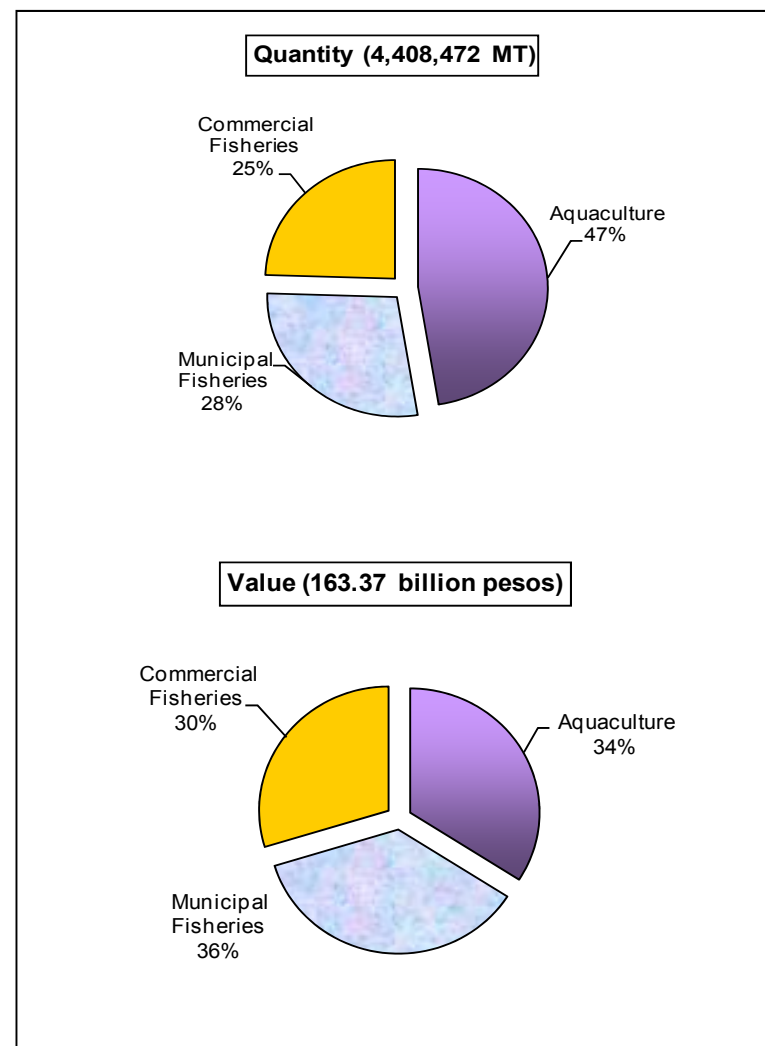


Figure 2

**F. Fish Production, by Sector and Region, 2006
in (MT)**

Region	Commercial	Municipal	Aquaculture	Total	% share to total
CAR		867.21	2,676.01	3,543.22	0.1
I	5,916.98	35,456.81	86,776.77	128,150.56	2.9
II	18,983.62	23,797.97	11,626.67	54,408.26	1.2
III	9,970.92	34,633.04	191,530.33	236,134.29	5.4
NCR	72,453.79	5,860.79	2,672.23	80,986.81	1.8
IV-A	83709.81	119,939.48	148,525.81	352,175.10	8.0
IV-B	52,628.41	255,388.19	406,145.98	714,162.58	16.2
V	50,195.39	112,277.13	64,468.70	226,941.22	5.1
VI	111,082.66	140,239.07	133,519.50	384,841.23	8.7
VII	47,070.50	52,770.20	102,584.06	202,424.76	4.6
VIII	66,722.64	76,824.68	30,428.50	173,975.82	3.9
IX	230,324.14	109,859.48	231,032.22	571,215.84	13.0
X	39,215.65	36,112.24	51,512.17	126,840.06	2.9
XI	14,515.91	30,195.42	13,119.11	57,830.44	1.3
XII	187,284.95	46,219.83	24,527.18	258,031.96	5.9
ARMM	84,253.96	87,705.95	566,580.33	738,540.24	16.8
CARAGA	6,338.37	67,381.28	24,550.23	98,269.88	2.2
Total	1,080,667.70	1,235,528.77	2,092,275.80	4,408,472.27	100.0

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

B. IMPORTS ^{5/}

**1. Import of Fish and Fishery Products
By Kind, Quantity and Value, 2006**

Commodity/Kind	Quantity (MT)	FOB Value (000 P) (000 \$)	
● Fish Crustaceans, Mollusks, etc. and Preparation	131,872	3,105,996	59,985
a. Fish fresh (live or dead) chilled or frozen	115,094	2,641,807	51,020
b. Fish, dried, salted or in brine, smoked fish	238	9,094	176
c. Crustaceans, mollusks and aquatic invertebrates	15,371	353,148	6,820
d. Fish and other aquatic invertebrate, prepared/ preserved	1,168	101,947	1,969
● Shells and By-Products	1,564	42,353	818
● Miscellaneous and Other Fishery Products	76,179	2,993,468	57,811
Grand Total	209,615	6,141,817	118,614

Note: Figures may not add up due to rounding off

Major Fisheries Export in Terms of Value, 2006

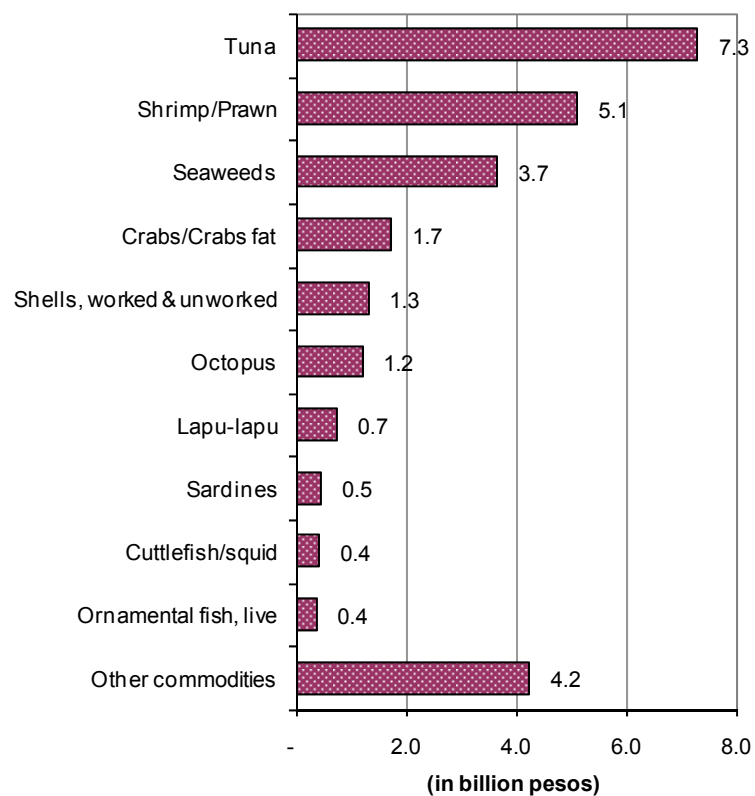


Figure 5

F.a. Value of Fish Production, by Sector and Region, 2006 (in '000 P)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
CAR		71,492.57	198,706.52	270,199.09	0.2
I	437,694.70	2,742,047.83	5,864,477.94	9,044,220.47	5.5
II	1,143,760.91	1,495,557.45	797,881.34	3,437,199.70	2.1
III	621,349.60	2,373,583.27	17,374,573.64	20,369,506.51	12.5
NCR	3,732,219.33	344,277.56	125,414.00	4,201,910.89	2.6
IV-A	5,258,915.13	3,563,021.83	6,504,964.52	15,326,901.48	9.4
IV-B	1,793,134.77	10,412,616.85	2,309,467.00	14,515,218.62	8.9
V	1,760,006.76	5,585,208.85	1,419,351.70	8,764,567.31	5.4
VI	5,707,726.40	8,391,051.01	4,591,231.57	18,690,008.98	11.4
VII	2,248,403.59	3,335,798.01	1,155,304.53	6,739,506.13	4.1
VIII	3,432,802.22	4,459,603.17	1,233,660.22	9,126,065.61	5.6
IX	6,949,415.96	4,008,260.17	3,942,361.42	14,900,037.55	9.1
X	1,698,256.05	2,083,308.32	4,199,103.60	7,980,667.97	4.9
XI	850,088.92	1,641,468.77	725,756.08	3,217,313.77	2.0
XII	9,769,881.11	1,801,545.80	1,525,325.46	13,096,752.37	8.0
ARMM	2,865,615.38	3,714,385.39	2,916,478.42	9,496,479.19	5.8
CARAGA	286,650.19	3,123,342.87	787,834.85	4,197,827.91	2.6
Total	48,555,921.02	59,146,569.72	55,671,892.81	163,374,383.55	100.0

G. Fish Production, by Sector 1997-2006

1. Volume of Fish Production (in MT)

Year	Aquaculture	Municipal	Commercial	Total
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
2002	1,338,393.0	988,938.0	1,042,193.0	3,369,524.0
2001	1,220,456.0	969,535.0	976,539.0	3,166,530.0
2000	1,100,902.1	945,945.0	946,485.0	2,993,332.1
1999	1,048,679.0	926,339.0	948,754.0	2,923,772.0
1998	997,841.0	891,146.0	940,533.0	2,829,520.0
1997	984,439.0	924,466.0	884,651.0	2,793,556.0

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

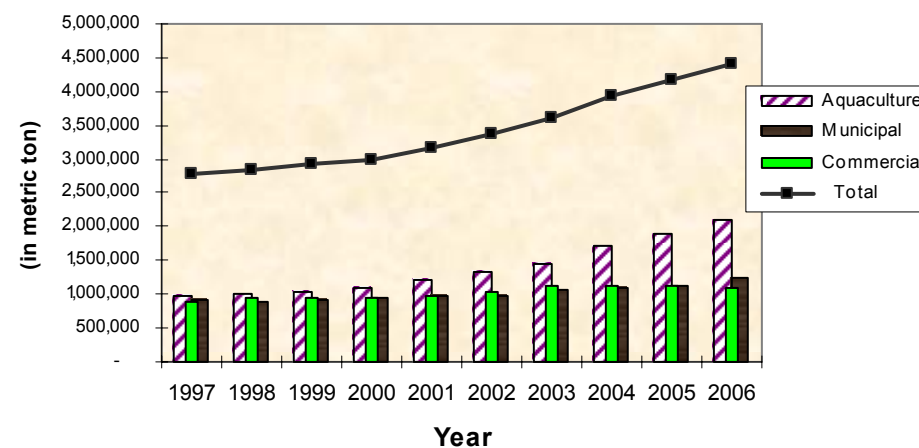
Year	Aquaculture	Municipal	Commercial	Total
2006	55,671,892.8	59,146,569.7	48,555,921.0	163,374,383.5
2005	49,169,787.9	49,950,423.5	47,272,737.5	146,392,948.9
2004	44,822,257.0	45,674,851.6	48,349,268.7	138,846,377.3
2003	37,199,123.0	40,664,303.0	42,002,900.0	119,866,326.0
2002	35,418,183.0	38,158,871.0	39,681,164.0	113,258,218.0
2001	36,634,345.0	34,221,731.0	36,088,640.0	106,944,716.0
2000	32,183,390.0	32,595,564.0	33,878,677.0	98,657,631.0
1999	29,046,054.0	31,034,130.0	32,242,140.0	92,322,324.0
1998	26,429,525.0	28,966,456.0	29,737,074.0	85,133,055.0
1997	27,288,848.0	27,392,911.0	25,935,331.0	80,617,090.0

4. Fishery Exports, by Major Country of Destination in Terms of Value, 2006

Country/Destination	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
U S A	40,335	6,284,672	123,398
Japan (excludes Okinawa)	20,977	4,229,901	83,053
Hongkong	15,485	2,167,780	42,564
Germany	16,688	1,811,251	35,564
Korea, Rep of (South)	8,306	1,784,073	35,030
Canada	5,133	756,615	14,856
Thailand	11,759	726,420	14,263
Taiwan (Rep. of China)	7,905	675,580	13,265
Singapore	4,724	666,749	13,091
UK Great Britain and N. Irela	4,590	656,379	12,888
Total Major Countries	135,904	19,759,421	387,972
Other Countries	53,948	5,941,357	116,657
Grand Total	189,851	25,700,778	504,629

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
3. Seaweeds	30,215	3,648,312	71,634
Seaweeds and other algae, nes	19,050	1,270,693	24,950
China, Peoples Rep. of	4,792	121,267	2,381
U S A	4,318	287,414	5,643
France	3,477	113,297	2,225
Hongkong	1,382	50,239	986
Thailand	867	180,771	3,549
Others	4,213	517,704	10,165
Carrageenan	10,732	2,356,296	46,265
Canada	1,376	258,148	5,069
France	1,208	231,509	4,546
U S A	1,130	230,730	4,530
Russian Federation (USSR)	863	258,132	5,068
Belguim	802	123,945	2,434
Others	5,354	1,253,832	24,619
Seaweeds and algae used for food	282	19,191	377
France	100	3,769	74
Japan (excludes Okinawa)	68	10,439	205
China, People's Rep. of	58	1,401	28
Okinawa	21	2,861	56
Taiwan (Rep. of China)	18	176	3
Thailand	15	439	9
Guam	1	107	2
Kelp powder	151	2,132	42
Japan (excludes Okinawa)	151	2,132	42
Total (3) major commodities	121,539	16,061,017	315,355
Total other commodities	68,313	9,639,761	189,275
Grand Total	189,851	25,700,778	504,629

Volume of Fish Production , By Sector 1997-2006



Value of Fish Production, By Sector 1997-2006

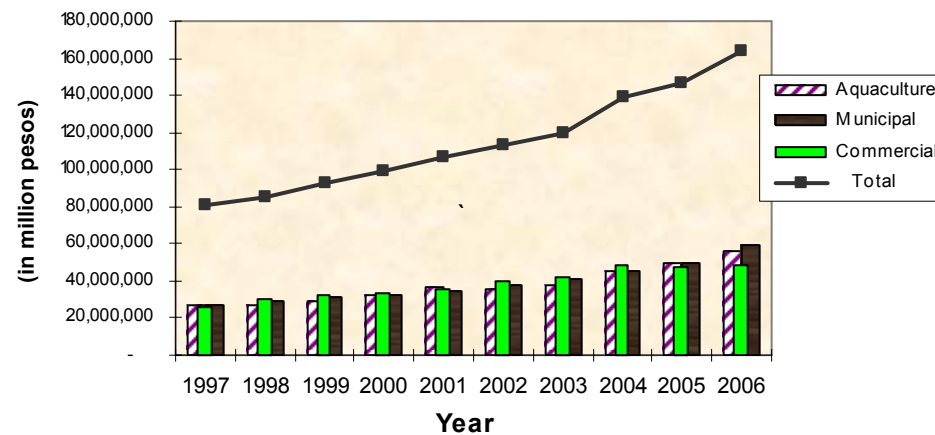


Figure 3

H. Five Year Fish Production, Trend 2002-2006

Year	Quantity (MT)	% Increase/ (Decrease)	Value ('000 P)	% Increase/ (Decrease)
2006	4,408,472	5.9	163,374,384	11.6
2005	4,161,870	6.0	146,392,949	5.4
2004	3,926,173	8.5	138,846,377	15.8
2003	3,619,282	7.4	119,866,326	5.8
2002	3,369,524	6.4	113,258,218	5.9

Five Year Fish Production, Trend 2002-2006

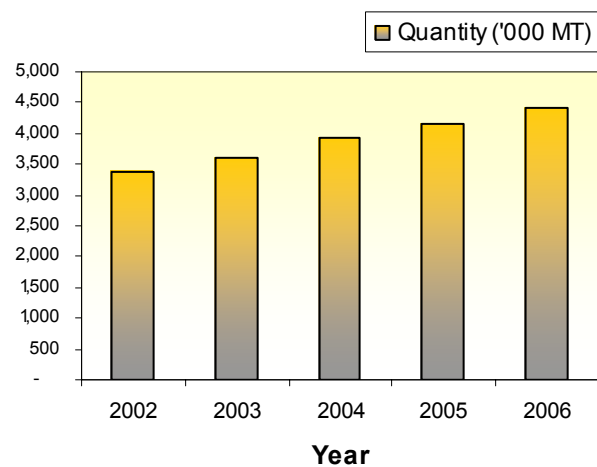


Figure 4

Commodity/Kind	Quantity (MT)	FOB Value	
		('000 P)	('000 \$)
2. Shrimp/Prawn	19,679	5,112,492	100,383
Fresh/chilled/frozen	18,582	4,962,925	97,446
Japan	9,044	2,342,253	45,990
Korea	5,196	1,400,469	27,498
U S A	2,428	648,352	12,730
Canada	375	144,663	2,840
Guam	372	108,727	2,135
Others	1,167	318,461	6,253
Other than fresh/chilled or frozen	160	54,585	1,072
Japan	131	49,422	970
Vietnam	15	2,088	41
Pacific Trust Territory	7	1,583	31
Hongkong	4	891	18
Others	3	601	12
Prepared/Preserved	938	94,982	1,865
U S A	393	40,513	795
Canada	84	7,169	141
United Arab Emirates, N.E.S.	58	5,225	103
Others	403	42,075	826

3. Major Destination of Top Three Fishery Exports by Kind, Quantity and Value, 2006

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
1. Tuna	71,645	7,300,212	143,338
Fresh/chilled/frozen	25,992	2,749,849	53,993
Japan	4,670	845,364	16,599
U S A	3,653	818,612	16,073
Thailand	10,331	457,730	8,987
Singapore	785	109,080	2,142
Taiw an (Rep. of China)	856	102,387	2,010
Others	5,696	416,676	8,181
Smoked/Dried	42	18,282	359
Australia	40	17,997	353
U S A	2	277	5
Pacific Trust Territory	0	8	0
Canned	45,611	4,532,081	88,986
U S A	8,982	902,930	17,729
Germany	15,061	1,462,778	28,721
Canada	1,271	114,626	2,251
UK Great Britain & Ireland	3,047	299,628	5,883
Singapore	2,326	229,060	4,498
Others	14,924	1,523,058	29,905



► Aquaculture Production, 2006

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

2. Major Fishery Exports in Terms of Value, 2006

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
1. Tuna	71,645	7,300,212	143,338
Fresh/chilled/frozen	25,992	2,749,849	53,993
Smoked	42	18,282	359
Canned	45,611	4,532,081	88,986
2. Shrimp/Prawn	19,679	5,112,492	100,383
Fresh/chilled/frozen	18,582	4,962,925	97,446
Other than fresh/chilled/frozen	160	54,585	1,072
Prepared and preserved	938	94,982	1,865
3. Seaweeds	30,215	3,648,312	71,634
Seaweeds and other Algae, nes.	19,050	1,270,693	24,950
Seaweeds for human consumption	282	19,191	377
Carrageenan	10,732	2,356,296	46,265
Kelp Powder	151	2,132	42
4. Crabs/Crabs fat	4,590	1,729,416	33,957
Frozen	67	20,985	412
Other than frozen	2,501	488,800	9,597
Prepared/preserved	2,022	1,219,631	23,947
5. Shells,	7,086	1,310,770	25,737
Tortise-shell, worked	1,235	413,740	8,124
Unworked	2,615	99,150	1,947
Other manufactures of shells	3,236	797,879	15,666
6. Octopus	8,793	1,205,963	23,679
Live, fresh or chilled	236	30,313	595
Frozen, dried , salted or in brine	8,557	1,175,650	23,084
7. Lapu-lapu	6,760	740,067	14,531
Lapu-lapu, live other than fry	6,727	735,624	14,444
Lapu-lapu fry	33	4,444	87
8. Sardines	6,953	451,852	8,872
Fresh/chilled/frozen	360	19,785	388
Smoked	2	169	3
Prepared/preserved	6,591	431,899	8,480
9. Cuttlefish/squid	2,354	423,046	8,306
Fresh/chilled/frozen/dried	2,222	408,312	8,017
Prepared/preserved	132	14,734	289
10. Ornamental fish, live	6,660	371,136	7,287
Total major commodities	164,734	22,293,267	437,724
Total of other commodities	25,117	3,407,510	66,905
Grand Total	189,851	25,700,778	504,629

A. SUMMARY OF AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT AND REGION, 2006 (In Metric Tons)

Region	Total Aquaculture	Brackishwater				Freshwater				Marine Waters				Oyster Mussel and Seaweed	S F R
		Fishpond	Fish cage	Fish pen	Total	Fishpond	Fish cage	Fish pen	Total	Fish cage	Fish pen	Total			
NCR	2,672	489			489										
CAR	2,676					1,166	388	1,795	2,183						
I	86,777	25,229	2,682	4,717	32,628	5,702	1,510	0	5,739	34,695	10,100	44,795		3,602	13
II	11,627	3,545	199		3,743	4,923	36		6,107					1,708	68
III	191,530	83,097	50	0	83,146	99,341	1,185		99,341	1,985	127	2,112		6,931	
IV-A	148,526	15,350			15,350	1,617	58,747	37,037	97,401	16	433	449		35,326	
IV-B	406,146	4,700	1	19	4,720	534			534					400,892	
V	64,469	4,279			4,279	1,112	7,713		8,824	70		70		51,295	
VI	133,519	68,959	4	16	68,980	467			467	27	1,311	1,338		62,734	
VII	102,584	7,778			7,778	84	5		89	703	12	714		94,004	
VIII	30,429	3,758			3,758	165	48	57	270	5,738	14	5,752		20,648	
IX	231,032	19,294			19,294	119			119	7	21	28		211,591	
X	51,512	16,809			16,809	886	1		887	13		13		33,803	
XI	13,119	5,452	28		5,480	823	2	5	830	2,404	1,715	4,119		2,691	
XII	24,527	7,779			7,779	1,035			1,035	1,030		1,030		36	
ARMM	566,580	2,440			2,440	161	1,078	2,215	3,454		2	2		560,685	
CARAGA	24,550	3,206	1,420	18	4,644	135	84		219	138	60	198		19,489	
TOTAL	2,092,276	272,163	4,383	4,770	281,316	118,269	72,283	54,270	244,822	46,828	13,794	60,622	1,505,435	81	

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

A. EXPORTS ^{5/}

1. Export of Fish and Fishery Products by Kind, Quantity and Value, 2006

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
A. Fish, Crustaceans, Molluscs, etc. and Preparation	146,787	19,733,443	387,462
A.1 Fish, fresh (live/dead), Chilled/Frozen	47,817	4,875,704	95,733
A.2 Fish, dried, salted/in brine; smoked fish	1,238	176,369	3,463
A.3 Crustaceans, molluscs and aquatic invertebrates	38,026	8,107,470	159,188
A.4 Fish and other aquatic invertebrate, prepared/ preserved	59,707	6,573,901	129,077
B. Shells and By-Products	7,793	2,070,406	40,652
C. Miscellaneous and other fishery products	35,271	3,896,929	76,515
Grand Total	189,851	25,700,778	504,629

B. AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT, REGION AND SPECIES, 2006

1. Production from Brackishwater (in MT)

a) Fishpond

Region	Total	Milkfish	Tiger Prawn	W. Shrimp & Endeavor Prawn	Tilapia	Others
NCR	488.80	420.70	4.00		64.10	
I	25,229.40	23,573.70	417.80	151.60	1,025.30	61.00
II	3,544.80	533.20	136.10	113.60	2,646.90	115.00
III	83,096.50	57,786.20	17,567.80	323.00	4,289.70	3,129.80
IV-A	15,349.60	13,698.40	1,176.10	252.00	150.40	72.70
IV-B	4,700.00	3,985.70	706.60	0.40	4.70	2.60
V	4,279.00	1,861.80	478.70	228.50	82.90	1,627.10
VI	68,959.40	67,327.70	791.40	116.20	442.60	281.50
VII	7,777.70	5,878.00	1,763.30	13.00	118.80	4.60
VIII	3,758.11	3,205.10	360.00		2.10	190.91
IX	19,294.10	10,073.30	6,403.40	911.60	1,785.50	120.30
X	16,808.70	8,025.40	6,162.00	88.80	277.50	2,255.00
XI	5,451.80	5,053.50	130.30	17.50	233.80	16.70
XII	7,779.10	6,841.40	541.00		384.10	12.60
CAR	-					
CARAGA	3,206.10	1,596.80	1,348.80	123.30	16.20	121.00
ARMM	2,440.30	1,980.00	221.80	105.50	120.80	12.20
TOTAL	272,163.41	211,840.90	38,209.10	2,445.00	11,645.40	8,023.01

b) Fish cage

Region	Total	Milkfish	Tilapia	Others
NCR	-			
I	2,681.93	2,611.80	27.80	42.33
II	198.50	57.50	134.30	6.70
III	49.50	45.50	3.50	0.50
IV-A				
IV-B	0.50			0.50
V				
VI	4.43			4.43
VII				
VIII				
IX				
X				
XI	28.08	27.80		0.28
XII				
CAR				
CARAGA	1,420.43	1,417.90	2.23	0.30
ARMM				
TOTAL	4,383.37	4,160.50	167.83	55.04



► **External Trade**

**C. NUMBER OF COMMERCIAL FISHING VESSEL
BY REGION, 1999 ^{9/} (Catcher and Accessory Boat)**

Region	Number	Gross Tonnage
NCR	1,351	158,509.59
I	113	1,832.99
II	64	717.94
III	40	1,080.67
IV	221	3,857.38
V	160	4,385.85
VI	404	25,674.39
VII	94	2,053.81
VIII	124	1,740.27
IX	392	22,758.66
X	43	1,215.10
XI	555	45,893.86
XII	7	85.09
XIII	26	293.86
ARMM	7	181.94
Total	3,601	270,281.40

c) Fish pen

Region	Total	Milkfish	Tilapia	Others
NCR	-			
I	4,716.54	4,560.90	155.30	0.34
II				
III	0.10			0.10
IV-A				
IV-B	19.30	19.30		
V				
VI	15.90	15.90		
VII				
VIII				
IX				
X				
XI				
XII				
CAR				
CARAGA	17.80	4.60	3.60	9.60
ARMM				
TOTAL	4,769.64	4,600.70	158.90	10.04

2. Production from Freshwater (in MT)

a) Fishpond

Region	Total	Tilapia	Catfish	Mudfish	Carp	Milkfish	Others
NCR	-	-	-	-	-	-	-
I	5,702.33	5,598.46	21.32	43.34	18.60	-	20.61
II	4,922.52	4,784.51	91.61	27.25	15.82	-	3.34
III	99,340.97	96,940.54	1,281.85	987.83	80.47	-	50.28
IV-A	1,617.28	1,291.83	113.43	0.10	211.92	-	-
IV-B	534.00	531.94	-	0.60	-	-	1.46
V	1,111.51	999.18	112.33	-	-	-	-
VI	466.95	217.60	247.75	0.08	-	-	1.52
VII	83.66	83.46	-	-	-	-	0.20
VIII	164.72	158.88	-	-	1.44	4.40	-
IX	119.00	90.00	-	29.00	-	-	-
X	886.45	612.01	24.41	64.10	185.87	-	0.06
XI	822.68	613.50	176.26	19.46	9.78	-	3.68
XII	1,034.80	777.11	221.39	36.30	-	-	-
CAR	1,166.18	1,163.31	2.48	-	0.30	-	0.09
CARAGA	135.28	116.71	0.29	2.61	15.67	-	-
ARMM	160.91	66.31	77.60	17.00	-	-	-
TOTAL	118,269.24	114,045.35	2,370.72	1,227.66	539.87	4.40	81.24

B. COMMERCIAL FISHERIES PRODUCTION, BY MAJOR FISH SPECIES, 2006

Major Species	Total (MT)	% to Total
1. Roundscad (Galunggong)	186,450.02	17.3
2. Indian Sardines (Tamban)	142,651.67	13.2
3. Frigate Tuna (Tulingan)	111,674.84	10.3
4. Skipjack (Gulyasan)	130,930.00	12.1
5. Yellowfin tuna (Tambakol/Bariles)	66,334.03	6.1
6. Big-eyed Scad (Matang-baka)	33,661.35	3.1
7. Fimbriated Sardines (Tunsoy)	47,907.08	4.4
8. Slipmouth (Sapsap)	32,662.14	3.0
9. Eastern little tuna (Bonito)	52,440.06	4.9
10. Indian Mackerel (Alumahan)	36,799.57	3.4
11. Other Species	239,156.94	22.1
Total	1,080,667.70	100.0

A. COMMERCIAL FISH PRODUCTION, BY REGION AND BY TYPE OF LANDING CENTERS, 2006

Region	Total	Private	PFDA	LGU	Traditional
NCR	72,453.79		69,365.16		3,088.63
I	5,916.98		561.59	404.71	4,950.68
II	18,983.62				18,983.62
III	9,970.92	5,480.15		51.86	4,438.91
IV-A	83,709.81		11,208.42	1,958.02	70,543.37
IV-B	52,628.41				52,628.41
V	50,195.39	9,005.00		12,870.30	28,320.09
VI	111,082.66	5,473.88	3,516.39	24,233.16	77,859.23
VII	47,070.50				47,070.50
VIII	66,722.64	510.00		408.06	65,804.58
IX	230,324.14	115,574.67	17,474.05	8,454.65	88,820.77
X	39,215.65			4,502.94	34,712.71
XI	14,515.91	493.08	5,456.77		8,566.06
XII	187,284.95	80,492.69	101,459.36		5,332.90
ARMM	84,253.96				84,253.96
CARAGA	6,338.37				6,338.37
TOTAL	1,080,667.70	217,029.47	209,041.74	52,883.70	601,712.79

b) Fish cage

Region	Total	Tilapia	Carp	Milkfish	Others
NCR	388.21	324.59	63.62		
I	35.72	35.72			
II	1,184.82	1,184.82			
III	-				
IV-A	58,747.37	47,147.83	1,156.07	10,439.50	3.97
IV-B	-				
V	7,712.97	7,701.70	11.27		
VI	-				
VII	4.87	4.87			
VIII	48.15	48.15			
IX					
X	0.64	0.64			
XI	1.99	1.99			
XII	1,486.39	1,486.39			
CAR	1,509.83	1,509.83			
CARAGA	83.72	83.72			
ARMM	1,078.00	772.00		306.00	
TOTAL	72,282.68	60,302.25	1,230.96	10,745.50	3.97

c) Fish pen

Region	Total	Tilapia	Milkfish	Carp	Others
NCR	1,795.22		1,795.22		
I	0.46	0.46			
II	-				
III	-				
IV-A	37,036.61	7,003.73	15,201.43	14,830.15	1.30
IV-B	-				
V	-				
VI	-				
VII	-				
VIII	57.13	57.13			
IX	-				
X	-				
XI	5.38	5.23			0.15
XII	13,160.84	6,741.90	6,418.94		
CAR	-				
CARAGA	-				
ARMM	2,214.80	1,811.30	400.00	3.50	
TOTAL	54,270.44	15,619.75	23,815.59	14,833.65	1.45



► Commercial Fisheries Production, 2006

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

d) Small-farm Reservoir

Region	Total	Tilapia	Mudfish	Carp	Others
I	12.99	12.99			
II	67.61	62.68	2.10	1.12	1.71
TOTAL	80.60	75.67	2.10	1.12	1.71

**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

3. Production from Marine Waters (in MT)

a) Fish cage

Region	Total	Milkfish	Grouper	Siganid	Snapper	Cavalla	Mud crab	Spiny lobster	Tilapia	Sea urchin	Other species
NCR	-										
I	34,695.07	34,675.19	4.53	4.50	0.31					10.54	
II	-										
III	1,985.31	1,967.50									17.81
IV-A	16.46	1.05	2.00	1.00							12.41
IV-B											
V	70.42	63.35	3.10			3.97					
VI	27.24	1.69	23.41		1.20	0.74					0.20
VII	702.58	699.82	1.26								1.50
VIII	5,738.18	5,574.38	123.50				14.90		25.40		
IX	7.40		4.40	3.00							
X	13.32	12.64		0.68							
XI	2,403.65	2,383.75	2.87	8.37	0.04	2.12					6.50
XII	1,029.62	745.75	2.01	0.24		45.11					236.51
CAR											
CARAGA	138.30	86.22	20.03	17.63				13.38			1.04
ARMM											
TOTAL	46,827.55	46,211.34	187.11	35.42	1.55	51.94	14.90	13.38	25.40	10.54	275.97

b) Fish pen

Region	Total	Milkfish	Grouper	Siganid	Cavalla	Spiny lobster	Others
NCR	-						
I	10,100.35	10,095.00	5.35				
II							
III	126.91	126.91					
IV-A	432.73	432.73					
IV-B							
V							
VI	1,311.13	1,311.13					
VII	11.71	9.23	2.10	0.38			
VIII	14.00			14.00			
IX	20.95		20.68	0.27			
X							
XI	1,714.85	1,714.85					
XII							
CAR							
CARAGA	60.01	6.10	24.54	16.03		9.18	4.16
ARMM	1.57		0.29		1.13	0.15	
TOTAL	13,794.21	13,695.95	52.96	30.68	1.13	9.33	4.16

**B. MARINE MUNICIPAL FISH CATCH,
BY MAJOR FISH SPECIES, 2006**

Major Species	Total	% to Total
Frigate Tuna (Tulingan)	63,673.12	5.9
Big-eyed Scad (Matang-baka)	60,259.87	5.6
Roundscad (Galunggong)	73,607.55	6.9
Indian Sardines (Tamban)	66,992.96	6.2
Indian Mackerel (Alumahan)	52,290.20	4.9
Anchovies (Dilis)	45,864.26	4.3
Yellowfin tuna	47,062.74	4.4
Squid (Pusit)	43,915.32	4.1
Fimbriated Sardines (Tunsoy)	41,257.85	3.8
Slipmouth (Sapsap)	34,911.01	3.3
Others	544,299.49	50.7
Total	1,074,134.37	100.0

**A. MUNICIPAL FISHERIES PRODUCTION, BY REGION, 2006
(in MT)**

Region	Marine	Inland	Total
NCR	5,860.79		5,860.79
CAR		867.21	867.21
I	32,549.88	2,906.93	35,456.81
II	16,471.61	7,326.36	23,797.97
III	24,449.56	10,183.48	34,633.04
IV-A	36,041.83	83,897.65	119,939.48
IV-B	254,679.35	708.84	255,388.19
V	109,246.32	3,030.81	112,277.13
VI	134,387.44	5,851.63	140,239.07
VII	52,597.48	172.72	52,770.20
VIII	73,938.01	2,886.67	76,824.68
IX	109,200.97	658.51	109,859.48
X	34,127.37	1,984.87	36,112.24
XI	30,038.33	157.09	30,195.42
XII	27,876.47	18,343.36	46,219.83
ARMM	69,648.36	18,057.59	87,705.95
CARAGA	63,020.60	4,360.68	67,381.28
TOTAL	1,074,134.37	161,394.40	1,235,528.77

4. Production from Mariculture (in MT)

Region	Total	Oyster	Mussels	Seaweeds
NCR				
CAR				
I	3,601.97	2,822.84	699.00	80.13
II	1,708.42	590.02		1,118.40
III	6,931.04	4,742.99	2,068.50	119.55
IV-A	35,325.76	795.99	6,824.02	27,705.75
IV-B	400,892.17			400,892.17
V	51,294.80	42.81	816.41	50,435.58
VI	62,734.44	6,724.09	6,460.22	49,550.13
VII	94,003.54	268.13	0.04	93,735.37
VIII	20,648.21	2.00	2,820.30	17,825.91
IX	211,590.77	360.48	1.80	211,228.49
X	33,803.07			33,803.07
XI	2,690.69	489.00		2,201.69
XII	36.43			36.43
ARMM	560,684.74			560,684.74
CARAGA	19,488.60			19,488.60
TOTAL	1,505,434.65	16,838.35	19,690.29	1,468,906.01

C. AQUACULTURE PRODUCTION OF MAJOR COMMODITIES BY CULTURE ENVIRONMENT AND BY REGION, 2006
(In Metric Tons)

Milkfish											
Region	Total	Brackishwater			Freshwater			Marine			
		Fishpond	Fish cage	Fish pen	Fishpond	Fish cage	Fish pen	Fish cage	Fish pen		
NCR	2,215.92	420.70					1,795.22	34,675.19		10,095.00	
I	75,516.59	23,573.70	2,611.80	4,560.90							
II	590.70	533.20	57.50					1,967.50		126.91	
III	59,926.11	57,786.20	45.50					1.05		432.73	
IV-A	39,773.11	13,698.40		19.30			10,439.50				
IV-B	4,005.00	3,985.70									
V	1,925.15	1,861.80		15.90				63.35			
VI	68,656.42	67,327.70						1.69		1,311.13	
VII	6,587.05	5,878.00						699.82		9.23	
VIII	8,783.88	3,205.10				4.40		5,574.38			
IX	10,073.30	10,073.30									
X	8,038.04	8,025.40						12.64			
XI	9,179.91	5,053.50	27.80					2,383.75		1,714.85	
XII	14,006.09	6,841.40					6,418.94	745.75			
CAR											
CARAGA	3,111.62	1,596.80	1,417.90	4.60				86.22		6.10	
ARMM	2,686.00	1,980.00					306.00				
TOTAL	315,074.88	211,840.90	4,160.50	4,600.70	4.40	10,745.50	23,815.59	46,211.34		13,695.95	



IV. Municipal Fisheries Production, 2006

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

E. TEN MAJOR LAKES OF THE PHILIPPINES ^{7/}

Name of Lakes	Location	Area (ha)
1. Laguna de Bay	Laguna and Rizal	90,000
2. Lake Lanao	Lanao del Sur	34,700
3. Taal Lake	Batangas	23,400
4. Lake Mainit	Surigao del Norte- Agusan del Norte	14,000
5. Naujan Lake	Oriental Mindoro	10,900
6. Lake Buluan	Maguindanao Sultan Kudarat	6,500
7. Lake Bato	Camarines Sur	3,800
8. Lake Buhi	Camarines Sur	1,800
9. Lake Dapao	Lanao del Sur	1,000
10. Lake Sebu	South Cotabato	964
Total		187,064

Region	Total	Brackishwater			Freshwater			Marine Fish cage
		Fishpond	Fish cage	Fish pen	Fish pond	Fish cage	Fish pen	
NCR	388.69	64.10			324.59			
I	6,856.03	1,025.30	27.80	155.30	5,598.46	35.72	0.46	12.99
II	8,813.21	2,646.90	134.30		4,784.51	1,184.82		62.68
III	101,233.74	4,289.70	3.50		96,940.54			
IV-A	55,593.79	150.40			1,291.83	47,147.83	7,003.73	
IV-B	536.64	4.70			531.94			
V	8,783.78	82.90			999.18	7,701.70		
VI	660.20	442.60			217.60			
VII	207.13	118.80			83.46	4.87		
VIII	291.66	2.10			158.88	48.15	57.13	
IX	1,875.50	1,785.50			90.00			
X	890.15	277.50			612.01	0.64		25.40
XI	854.52	233.80			613.50	1.99	5.23	
XII	9,389.50	384.10			777.11	1,486.39	6,741.90	
CAR	2,673.14				1,163.31	1,509.83		
CARAGA	222.46	16.20	2.23	3.60	116.71	83.72		
ARMM	2,770.41	120.80			66.31	772.00	1,811.30	
TOTAL	202,040.55	11,645.40	167.83	158.90	114,045.35	60,302.25	15,619.75	75.67

Seaweeds

Region	Total
NCR	
CAR	
I	80.13
II	1,118.40
III	119.55
IV-A	27,705.75
IV-B	400,892.17
V	50,435.58
VI	49,550.13
VII	93,735.37
VIII	17,825.91
IX	211,228.49
X	33,803.07
XI	2,201.69
XII	36.43
ARMM	560,684.74
CARAGA	19,488.60
TOTAL	1,468,906.01

D. MAJOR SPECIES PRODUCED IN AQUACULTURE FISHERIES, 2006

Species	Quantity (MT)	Percent (%)
Seaweeds	1,468,906.0	70.21
Milkfish	315,074.9	15.06
Tilapia	202,040.5	9.66
Shrimps/Prawns	40,654.1	1.94
Others	65,600.3	3.14
Total	2,092,275.8	100.00