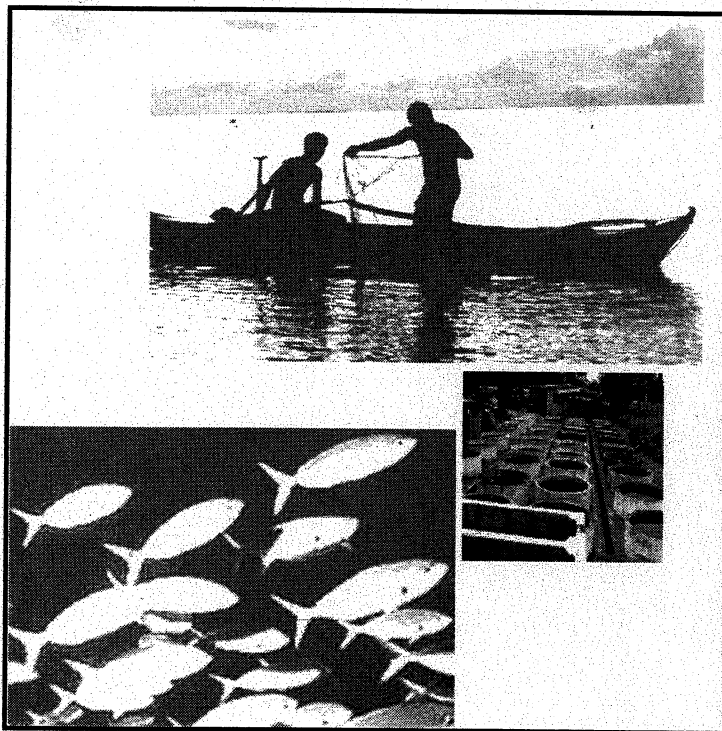
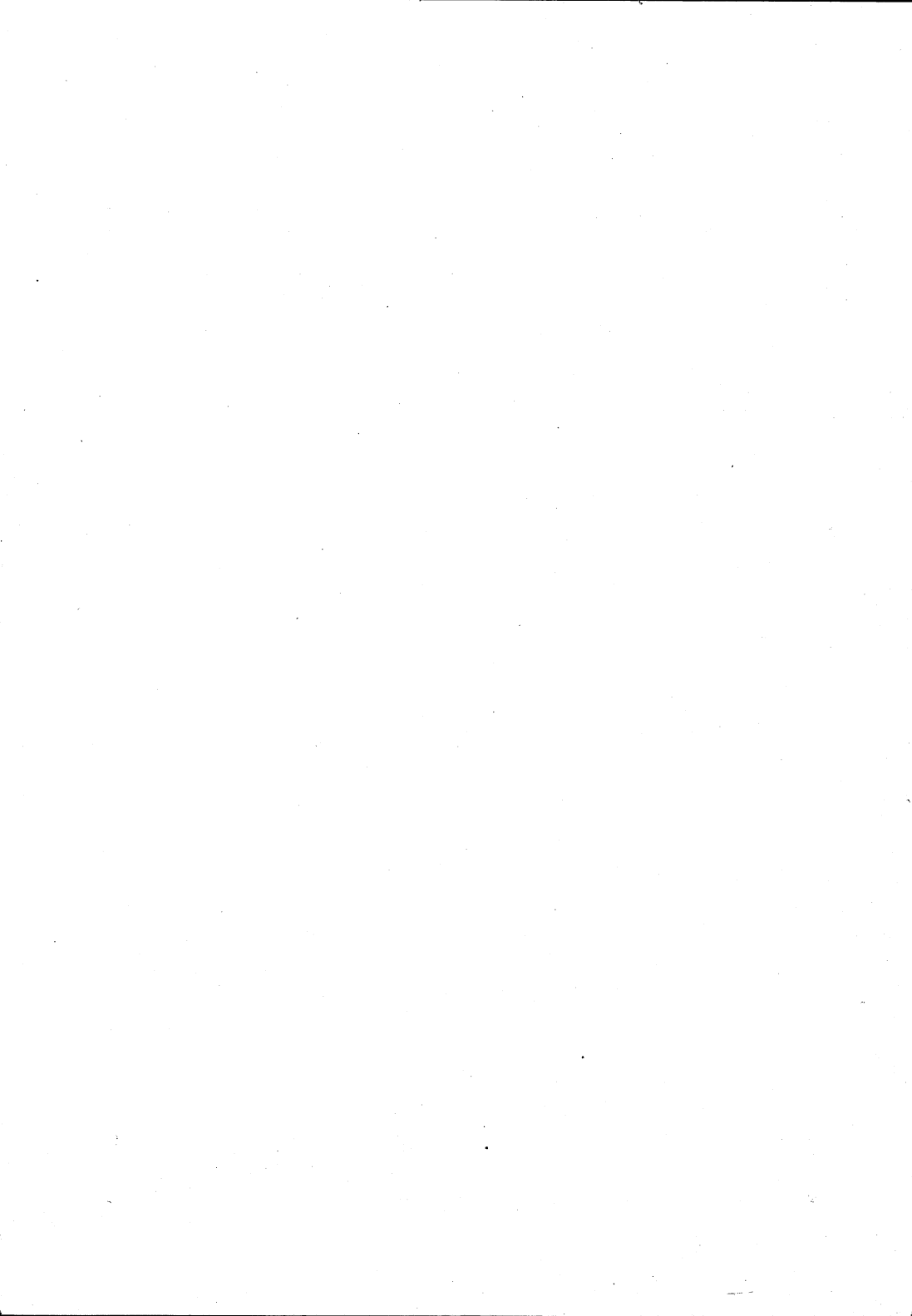


PHILIPPINE FISHERIES PROFILE, 2004



Republic of the Philippines
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 2004 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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HIGHLIGHTS

World Scenario: *Philippine Fisheries*

- In 2003, the Philippines ranked 8th among the top fish producing countries in the world with its total production of 3.62 million metric tons of fish, crustaceans, mollusks, and aquatic plants (including seaweeds). The production constitutes 2.5% of the total world production of 146.27 million metric tons (FAO website).
- The Philippines' 0.459 million metric tons aquaculture production of fish, crustaceans and mollusks in 2003 ranked 11th in the world and a 1.1% share to the total global aquaculture production of 42.3 million metric tons. In terms of value, the country's aquaculture production of fish, crustaceans and mollusks has amounted to over 600 million dollars (FAO website).
- Similarly, the Philippines is the world's 2nd largest producer of aquatic plants (including seaweeds) having produced a total of 0.989 million metric tons or nearly 8% of the total world production of 12 million metric tons (FAO website).

Contribution to National Economy, 2004

- The fishing industry's contribution to the country's Gross Domestic Products (GDP) were 2.3% and 4.2% at current and constant prices, respectively. This translates to some P111 billion for current prices and P48 billion for constant prices of the country's GDP of P4,826 billion (current prices) and P1,146 billion (constant prices).
- The industry also accounted for 14.9% (P111 billion) and 21.6% (P48.7 billion) of the Gross Value Added (GVA) in Agriculture, Fishery and Forestry Group of P742 billion and P225 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 31.2% from 2.99 million metric tons in CY 2000 to 3.93 million metric tons in CY 2004. Average annual production growth rate within that period was registered at 6.1%. In terms of value, the 2004 fisheries production was valued at 138.8 billion pesos as compared with the 98.6 billion pesos in 2000, an average yearly increment of 10.0 billion pesos.

- The 2004 fisheries production also showed a remarkable 8.5% increase from the previous year's production of 3.619 million metric tons. The 2004 production was valued at 138.8 billion pesos, 15.8% higher than the 119.9 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 18% (1.7 million MT) followed by the municipal sector with 2.4% (1.1 million MT), and the commercial sector with 1.7% increase (1.13 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 16.2% or 637,841.51 metric tons share to the total fisheries production, where seaweed was the major commodity produced. Region IV-B (MIMAROPA) made a 14.3% share, while Region IX contributed 13.1% to the total fisheries production.
- In terms of value, the industry has attained a 15.8% increase from P119.9 billion in 2003 to P138.8 billion in 2004.

Fisheries Export and Import Performance

Exports

- Foreign trade performance of the fishery industry in 2004 registered a net surplus of 433.1 million dollars – total export value of 527.6 million US dollars and import value of 94.5 million US dollars.
- However, export volume (196,087 MT) has decreased by 2.9% in 2004 as compared to the 202,016 MT of fish and fishery products the country has exported in 2003. In terms of value, the industry managed to secure a dismal 0.62% increase from the preceding year's value of export. The three major export commodities (tuna, shrimp/prawn, seaweeds) combined for 70.1% (138,913MT) of the total export volume (196,087MT) and 68% (US\$358.6 million) of the total export value (US\$527.6 million) in 2004.
- Tuna remained as the top export commodity with a collective volume of 78,329 MT for fresh/chilled/frozen, smoked/dried, and canned tuna products valued at US\$155.3. Canned tuna, though, constitutes bulk of tuna products being exported. In general, however, tuna export fell by 7.9% in terms of volume and 1% in terms of value. Major markets for this commodity include Japan, USA, Canada and Germany.

- Shrimp/Prawn on the other hand remained 2nd with a total contribution of US\$113.2 million to the total export earnings. Most of the shrimps/prawns are exported in fresh/chilled/frozen form with a total value of US\$112.3 or 99% of the total shrimp/prawn export revenue. The 2004 shrimp/prawn exports, however, decreased by 18.9% and 9.8% from the previous year's export volume and value, respectively. Japan, Korea, and USA are among the major destination of shrimp/prawn products.
- Seaweeds export value grew by a respectable 11.5% from US\$80.8 million in 2003 to US\$90.1 million in 2004 or 17.1% share to the total export earnings for that year. Carrageenan is the major product being shipped abroad comprising 59.7% of the total seaweed export value. USA, France, Denmark and Korea are among the major markets for Philippine seaweed products.
- Other major fishery exports e.g. crabs/crab fats, octopus, pearls, cuttlefish/squid, lapu-lapu, ornamental fish and scallops constitute 20% or US\$106.7 million of the total US\$527.6 million export revenues. Other commodities accounted for the remaining 12% of the total export value/earnings.
- USA, Japan, Korea, Hongkong, Canada, Germany, Taiwan (ROC), Singapore, France and United Kingdom are among the major destination of Philippine fish and fishery product exports (in terms of value) with percentage share of 27.3, 19, 7.5, 6.7, 4.3, 3.8, 3.6, 2.6, 2.3, and 1.6, respectively. Other countries have a cumulative share of 21%

Imports

- 73.2% of the total import value for 2004 was contributed by three major commodities in prawn feeds (27.7%); flour, meals and pellets of fish, crustaceans, and mollusks unfit for human consumption (22.8%); as well as chilled/frozen fish (22.6%). These commodities have an aggregated value of US\$69.1 million out of the US\$94.5 million total import value.
- Prawn feeds were mostly sourced from USA (28.9%), Netherlands (12.4%), Singapore (8.4%), Thailand (6.4%), Germany (5.5%), Belgium (5%), China (4.9%), Spain (4.7%), and other countries comprising 23.7% of the total prawn feeds import value of US\$26.2 million.
- Flour, meals and pellets of fish, crustaceans and mollusks unfit for human consumption, on the other hand, were mostly supplied by the USA (42.5% of the value); Peru (31% of the value); and Chile (6.8% of the value).
- In general, in terms of value, the Philippine fishery imports originated from the following major countries: USA (20.4%); China (9.8%); Indonesia (7.9%); Peru (7.6%); Chile (5.2%); Singapore (4.7%); Taiwan (4.6%); Netherlands (3.7%); Thailand (2.8%); and UK (2.8%). Other countries contributed 30.5% to the total import value of fish and fishery products.

I. Fishery Resources

II. Fisheries Contribution To The Economy, 2004



Philippine Marine Jurisdictional Boundaries

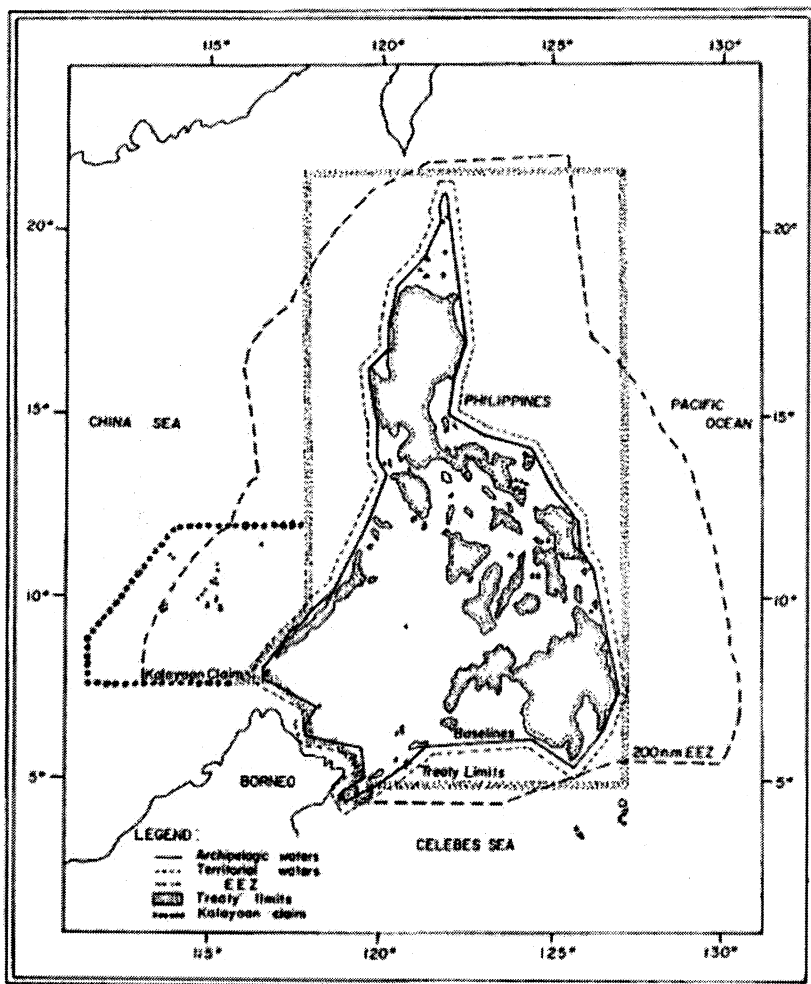


Figure 1. Map of the Philippines showing the limits of archipelagic, territorial waters treaty limits Exclusive Economic Zone (200 N.M. EEZ) and Kalayaan claim .

Figure 1

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, 2004

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

1. At Current Prices	2.3%
2. At Constant Prices	4.2%

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

Industry Group	At Current Prices (P M)	% to Agricultural Sector	At Constant Prices (P M)	% to Agricultural Sector
Agricultural				
1. crops (Palay, corn, coconut ,etc)	419,268	56.5	113,871	50.5
2. Livestock	107,266	14.5	27,272	12.1
3. Poultry	66,753	9.0	25,052	11.1
4. Agricultural activities	34,598	4.7	9,459	4.2
5. Fishery	110,692	14.9	48,714	21.6
6. Forestry	3,535	0.5	1,115	0.5
TOTAL	742,112	100.0	225,483	100.0

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 the preliminary results, 2002 Census of Fisheries

D. Balance of Trade ^{5/}

	2004			2003		
	Quantity (MT)	FOB Value (P M) (\$ M)		Quantity (MT)	FOB Value (P M) (\$ M)	
Fishery Exports	196,087	27,296	528	202,016	27,127	524
Fishery Imports	170,027	4,975	94.5	150,533	4,151	79
Trade Balance	26,061	22,321	433	51,483	22,976	445

E. Total Fish Production, by Sector, 2004

Sector	Quantity (MT)	%	Value ('000 P)	%
1. Aquaculture	1,717,026.66	43.7	44,822,257.00	32.3
2. Municipal Fisheries	1,080,764.32	27.5	45,674,851.59	32.9
3. Commercial Fisheries	1,128,382.38	28.7	48,349,268.70	34.8
TOTAL	3,926,173.36	100.0	138,846,377.29	100.0

Total Fish Production, By Sector, 2004

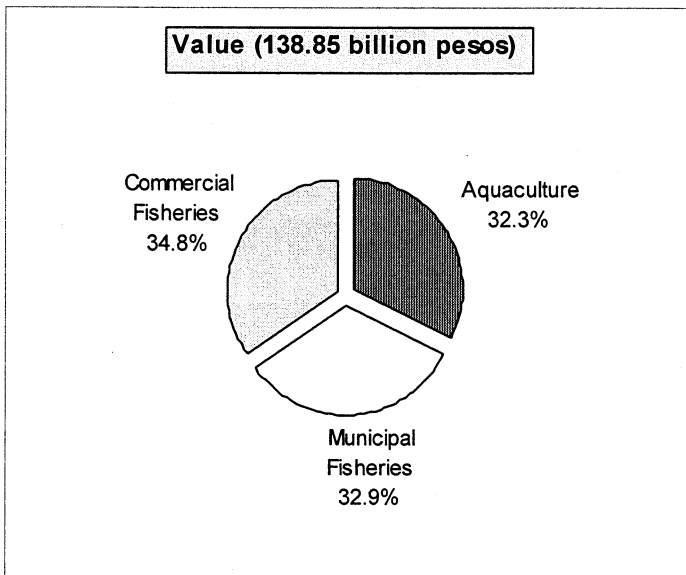
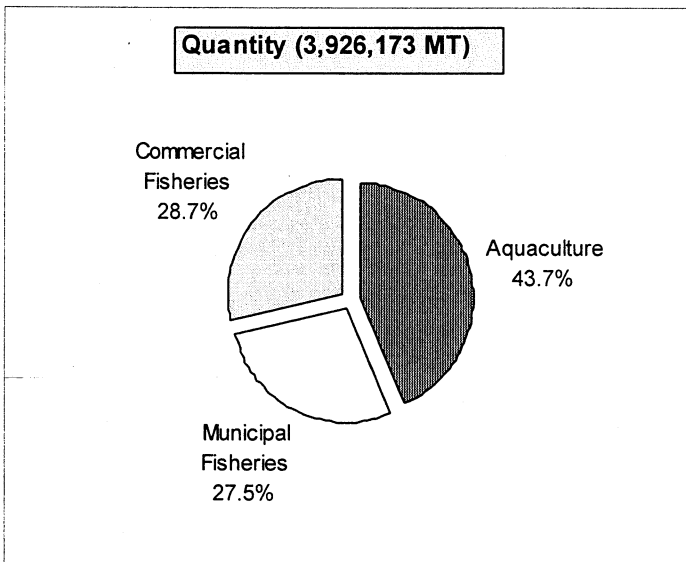


Figure 2

**F. Fish Production, by Sector and Region, 2004
in (MT)**

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	141,441.99	2,032.00	3,737.91	147,211.90	3.7
CAR	-	915.21	2,052.85	2,968.06	0.1
I	3,983.59	29,863.11	56,404.48	90,251.18	2.3
II	16,141.43	21,222.80	5,408.55	42,772.78	1.1
III	11,295.93	22,836.47	151,995.02	186,127.42	4.7
IV-A	83,005.12	110,062.89	125,068.09	318,136.10	8.1
IV-B	46,679.22	180,647.21	334,136.27	561,462.70	14.3
V	41,952.87	100,117.56	27,489.01	169,559.44	4.3
VI	115,647.84	135,237.27	128,928.85	379,813.96	9.7
VII	58,405.41	49,713.36	93,075.91	201,194.68	5.1
VIII	51,020.15	54,762.59	22,808.53	128,591.27	3.3
IX	218,607.14	122,616.54	174,301.36	515,525.04	13.1
X	41,253.89	31,518.82	52,647.42	125,420.13	3.2
XI	10,162.59	29,246.82	15,114.09	54,523.50	1.4
XII	203,463.10	43,170.31	24,143.34	270,776.75	6.9
ARMM	80,638.61	81,822.57	475,380.38	637,841.56	16.2
CARAGA	4,683.50	64,978.79	24,334.61	93,996.90	2.4
TOTAL	1,128,382.38	1,080,764.32	1,717,026.66	3,926,173.36	100.0

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

F.a. Value of Fish Production, by Sector and region, 2004
(in '000 P)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	9,765,844.67	233,357.88	185,392.00	10,184,594.55	7.3
CAR		64,833.12	150,994.00	215,827.12	0.2
I	268,892.33	2,132,625.42	3,663,709.00	6,065,226.75	4.4
II	1,004,354.33	1,306,398.82	403,476.00	2,714,229.15	2.0
III	641,461.01	1,368,257.82	13,646,699.00	15,656,417.83	11.3
IV-A	5,237,809.49	3,429,652.88	5,316,828.00	13,984,290.37	10.1
IV-B	1,262,757.74	5,457,742.53	1,874,596.00	8,595,096.27	6.2
V	1,620,287.09	4,557,177.01	994,999.00	7,172,463.10	5.2
VI	4,875,550.64	6,811,368.03	3,838,166.00	15,525,084.67	11.2
VII	2,486,147.97	2,641,721.71	1,140,541.00	6,268,410.68	4.5
VIII	2,505,323.32	3,431,799.59	778,434.00	6,715,556.91	4.8
IX	4,467,820.82	3,718,882.93	3,910,379.00	12,097,082.75	8.7
X	1,638,380.86	1,339,139.06	3,105,223.00	6,082,742.92	4.4
XI	642,986.77	1,436,867.01	840,740.00	2,920,593.78	2.1
XII	9,568,098.78	1,543,089.32	1,383,203.00	12,494,391.10	9.0
ARMM	2,169,738.20	3,435,877.14	2,575,094.00	8,180,709.34	5.9
CARAGA	193,814.68	2,766,061.32	1,013,784.00	3,973,660.00	2.9
TOTAL	48,349,268.70	45,674,851.59	44,822,257.00	138,846,377.29	100.0

G. Fish Production, by Sector 1995-2004

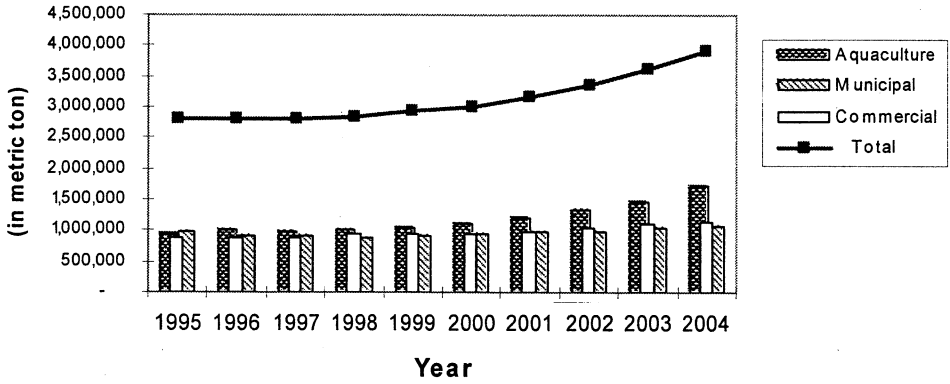
1. Volume of Fish Production (in MT)

Year	Aquaculture	Municipal	Commercial	Total
2004	1,717,026.66	1,080,764.32	1,128,382.38	3,926,173.36
2003	1,454,503.38	1,055,143.00	1,109,636.00	3,619,282.38
2002	1,338,393.00	988,938.00	1,042,193.00	3,369,524.00
2001	1,220,456.00	969,535.00	976,539.00	3,166,530.00
2000	1,100,902.10	945,945.00	946,485.00	2,993,332.10
1999	1,048,679.00	926,339.00	948,754.00	2,923,772.00
1998	997,841.00	891,146.00	940,533.00	2,829,520.00
1997	984,439.00	924,466.00	884,651.00	2,793,556.00
1996	1,007,676.00	909,248.00	879,073.00	2,795,997.00
1995	940,589.00	972,043.00	893,232.00	2,805,864.00

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

Year	Aquaculture	Municipal	Commercial	Total
2004	44,822,257.00	45,674,851.59	48,349,268.70	138,846,377.29
2003	37,199,123.00	40,664,303.00	42,002,900.00	119,866,326.00
2002	35,418,183.00	38,158,871.00	39,681,164.00	113,258,218.00
2001	36,634,345.00	34,221,731.00	36,088,640.00	106,944,716.00
2000	32,147,893.00	32,595,564.00	33,878,677.00	98,622,134.00
1999	29,046,054.00	31,034,130.00	32,242,140.00	92,322,324.00
1998	26,429,525.00	28,966,456.00	29,737,074.00	85,133,055.00
1997	27,288,848.00	27,392,911.00	25,935,331.00	80,617,090.00
1996	33,346,671.00	25,373,175.00	24,555,340.00	83,275,186.00
1995	33,658,117.00	26,463,833.00	23,065,358.00	83,187,308.00

Volume of Fish Production , By Sector 1995-2004



Value of Fish Production, By Sector 1995-2004

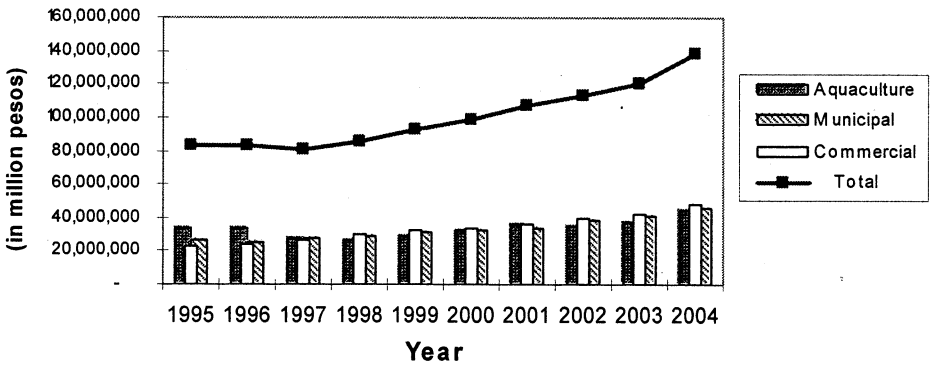


Figure 3

H. Five Year Fish Production, Trend 2000-2004

Year	Quantity (MT)	% Increase/ (Decrease)	Value ('000 P)	% Increase/ (Decrease)
2004	3,926,173.36	8.48	138,846,377.29	15.83
2003	3,619,282.38	7.41	119,866,326.00	5.83
2002	3,369,524.00	6.41	113,258,218.00	5.90
2001	3,166,530.00	5.79	106,944,716.00	8.44
2000	2,993,332.00	2.38	98,622,134.00	6.82

Five Year Fish Production, Trend 2000-2004

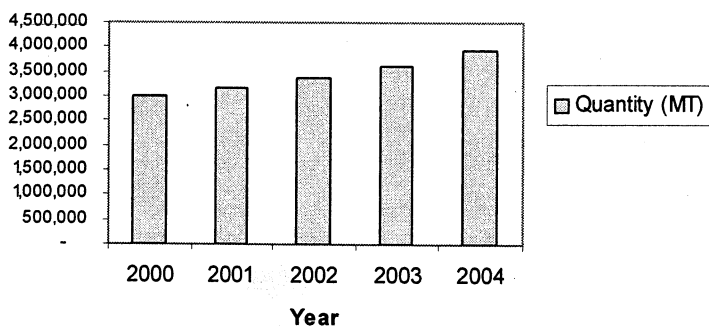
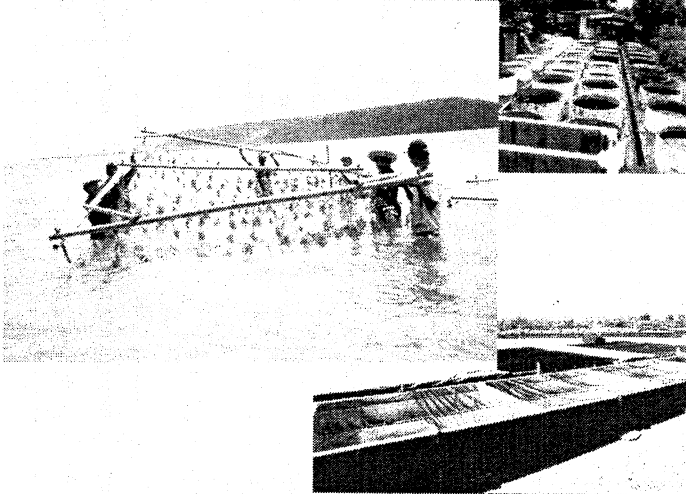
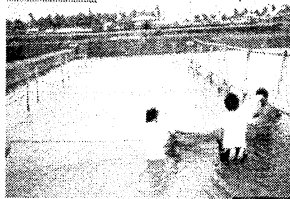


Figure 4

III. Aquaculture Production, 2004

This includes production from the following:

- Brackishwater fishpond
- Freshwater fishpond
- Fishpen and fishcage in fresh and marine waters
- Mariculture of oyster, mussel and seaweeds



A. SUMMARY OF AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT AND REGION, 2004
(In Metric Tons)

Region	Total Aquaculture	Brackishwater				Freshwater				Marine Waters			Oyster Mussel and Seaweed
		Fishpond	Fishcage	Fishpen	Total	Fishpond	Fishcage	Fishpen	Total	Fishcage	Fishpen	Total	
NCR	3,738	394			394	503	2,840	3,344					
CAR	2,053				480	1,573		2,053					
I	56,404	20,647	2,215	4,462	27,325	3,659	21	3,681	13,947	8,747	22,694	2,705	
II	5,409	757	77		834	2,782	1,467	4,249				326	
III	151,995	79,839		37	79,875	63,431	24	63,455	1,887	5	1,892	6,773	
IV-A	125,068	15,338			15,338	962	42,735	35,459	79,156		566	30,008	
IV-B	334,136	4,425	8	24	4,457	539		539				329,140	
V	27,489	3,819			3,819	377	5,502	5,879	42		42	17,749	
VI	128,929	64,305			64,305	352		352	23	1,278	1,300	62,972	
VII	93,076	8,604			8,604	50	2	52	824	2	826	83,594	
VIII	22,809	2,843			2,843	137	36	207	3,545		3,545	16,213	
IX	174,301	19,076			19,076	97		97	2	24	26	155,103	
X	52,647	12,793			12,793	678		678	20		20	39,156	
XI	15,114	6,837	1	1	6,839	602	15	617	2,384	3,603	5,987	1,670	
XII	24,143	7,486			7,486	1,011	3,231	11,634	15,877	781	781		
ARMM	475,380	2,499			2,499	163	174	26	363		4	472,515	
CARAGA	24,335	4,185	1,868	13	6,065	164	113	277	89	66	154	17,838	
TOTAL	1,717,027	253,849	4,206	4,500	262,554	75,484	55,396	49,995	180,875	23,542	14,294	37,837	1,235,761

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

**B. AQUACULTURE PRODUCTION BY CULTURE ENVIRONMENT,
REGION AND SPECIES, 2004**

1. Production from Brackishwater (in MT)

a) Fishpond

Region	Total	Milkfish	Tiger Prawn	W. Shrimp & Endeavor Prawn	Tilapia	Others
NCR	394.10	320.20	14.60	-	59.30	-
I	20,647.44	19,427.40	184.54	121.00	869.80	44.70
II	757.10	217.00	42.00	54.30	422.00	21.80
III	79,838.60	56,894.40	15,281.00	123.50	4,828.80	2,710.90
IV-A	15,337.60	13,937.90	1,136.90	205.70	17.10	40.00
IV-B	4,425.20	3,553.70	854.20	0.20	15.70	1.40
V	3,818.67	1,637.82	468.30	209.80	42.45	1,460.30
VI	64,305.20	62,714.20	719.90	112.70	515.30	243.10
VII	8,604.30	6,783.80	1,749.20	5.00	66.00	0.30
VIII	2,843.38	2,456.08	285.03	-	0.20	102.07
IX	19,076.00	9,776.30	7,129.40	872.00	1,167.70	130.60
X	12,793.40	5,887.60	5,137.20	71.20	279.00	1,418.40
XI	6,837.43	6,545.40	56.25	15.70	204.48	15.60
XII	7,486.10	6,502.50	614.00	-	369.60	-
CAR	-	-	-	-	-	-
CARAGA	4,184.60	1,900.00	2,027.50	121.00	12.60	123.50
ARMM	2,499.40	1,976.60	216.50	117.50	175.90	12.90
TOTAL	253,848.52	200,530.90	35,916.52	2,029.60	9,045.93	6,325.57

b) Fishcage and Fishpen

Region	Fishcage			
	Total	Milkfish	Tilapia	Others
NCR	-	-	-	-
I	2,215.28	2,153.18	35.00	27.10
II	77.00	23.40	51.50	2.10
III	36.80	8.70	28.10	
IV-B	7.93	5.50	1.30	1.13
XI	1.10	1.10	-	-
CARAGA	1,867.60	1,864.20	-	3.40
TOTAL	4,205.71	4,056.08	115.90	33.73

Region	Fishpen			
	Total	Milkfish	Tilapia	Others
NCR	-	-	-	-
I	4,462.20	4,364.00	97.30	0.90
IV-A	-	-	-	-
IV-B	23.50	23.50	-	-
XI	0.80	0.80	-	-
CARAGA	13.00	-	-	13.00
TOTAL	4,499.50	4,388.30	97.30	13.90

2. Production from Freshwater Fishpond, 2004 (in MT)

a) Fishpond

Region	Total	Tilapia	Catfish	Mudfish	Carp	Milkfish	Others
NCR	-	-	-	-	-	-	-
I	3,659	3,532	20	66	13	-	27
II	2,782	2,622	112	33	11	-	4
III	63,431	61,382	1,018	946	44	-	41
IV-A	962	841	-	0	121	-	-
IV-B	539	539	-	-	-	-	0
V	377	303	74	-	-	-	-
VI	352	153	199	-	-	-	-
VII	50	50	-	-	-	-	0
VIII	137	135	-	-	1	0	-
IX	97	76	-	21	-	-	-
X	678	354	29	132	163	-	-
XI	602	445	137	13	7	0	-
XII	1,011	732	219	59	-	-	1
CAR	480	471	5	-	5	-	-
CARAGA	164	150	0	2	13	-	0
ARMM	163	48	115	-	-	-	-
TOTAL	75,484	71,831	1,930	1,272	378	0	73

b) Freshwater Fishcage

Region	Total	Tilapia	Carp	Milkfish	Others
NCR	503	431	72	-	-
I	21	21	-	-	-
II	1,467	1,467	-	-	-
III	24	24	-	-	-
IV-A	42,735	41,688	724	323	-
V	5,502	5,493	9	-	-
VII	2	2	-	-	-
VIII	36	36	-	-	-
XI	15	15	-	-	-
XII	3,231	2,001	-	1,230	-
CAR	1,573	1,573	-	-	-
CARAGA	113	113	-	-	-
ARMM	174	146	-	28	-
TOTAL	55,396	53,010	805	1,581	-

c) Freshwater Fishpen

Region	Total	Tilapia	Milkfish	Carp	Others
NCR	2,840.43	-	2,840.43	-	-
I	0.70	0.70	-	-	-
IV-A	35,458.64	4,992.04	17,925.60	12,541.00	-
VII	0.04	0.02	-	0.01	0.01
VIII	34.86	34.86	-	-	-
XII	11,634.40	6,715.37	4,919.03	-	-
ARMM	25.54	25.54	-	-	-
TOTAL	49,994.61	11,768.53	25,685.06	12,541.01	0.01

3. Production from Marine Waters, 2004 (in MT)

a) Marine Fishcage

Region	Total	Milkfish	Tilapia	Grouper	Others
I	13,947.15	13,944.05	-	3.10	-
III	1,886.53	1,886.53	-	-	-
V	42.35	32.10	-	5.55	4.70
VI	22.93	-	-	20.63	2.30
VII	823.70	798.19	0.03	25.43	0.05
VIII	3,544.75	3,481.45	-	57.30	6.00
IX	1.62	-	-	1.10	0.52
X	20.37	19.82	-	-	0.55
XI	2,383.75	2,326.61	-	1.84	55.30
XII	780.60	660.00	-	5.70	114.90
CARAGA	88.60	30.31	-	15.80	42.49
TOTAL	23,542.35	23,179.06	0.03	136.45	226.81

a) Marine Fishpen

Region	Total	Milkfish	Tilapia	Grouper	Others
I	8,747.00	8,746.00	-	1.00	-
III	5.00	5.00	-	-	-
IV-A	566.00	566.00	-	-	-
VI	1,277.50	1,277.50	-	-	-
VII	2.11	-	-	2.00	0.11
IX	24.07	-	-	8.75	15.32
XI	3,603.48	3,572.96	-	0.01	30.51
CARAGA	65.74	5.15	-	20.73	39.86
ARMM	3.52	-	-	1.20	2.32
TOTAL	14,294.42	14,172.61	0.00	33.69	88.12

**4. Production from Mariculture, 2004
(in MT)**

Region	Total	Oyster	Mussels	Seaweeds
NCR				
CAR				
I	2,704.65	2,677.15		27.50
II	325.50	319.00		6.50
III	6,772.77	6,147.10	598.30	27.37
IV-A	30,008.44	343.44	4,227.00	25,438.00
IV-B	329,140.43			329,140.43
V	17,748.99	47.02	735.17	16,966.80
VI	62,971.60	5,354.73	6,633.25	50,983.62
VII	83,594.05	187.94		83,406.11
VIII	16,213.00	2.00	2,840.00	13,371.00
IX	155,102.67	312.21	4.50	154,785.96
X	39,155.64			39,155.64
XI	1,670.36	524.72		1,145.64
XII				
ARMM	472,514.80			472,514.80
CARAGA	17,838.19			17,838.19
TOTAL	1,235,761.09	15,915.31	15,038.22	1,204,807.56

**C. AQUACULTURE PRODUCTION OF MAJOR COMMODITIES
BY CULTURE ENVIRONMENT AND BY REGION, 2004
(In Metric Tons)**

Milkfish

Region	Total	Brackishwater			Freshwater		
		Fishpond	Fishcage	Fishpen	Fishpond	Fishcage	Fishpen
NCR	3,160.63	320.20	-	-	-	-	2,840.43
I	25,944.58	19,427.40	2,153.18	4,364.00	-	-	-
II	240.40	217.00	23.40	-	-	-	-
III	56,903.10	56,894.40	8.70	-	-	-	-
IV-A	32,186.50	13,937.90	-	-	-	323.00	17,925.60
IV-B	3,582.70	3,553.70	5.50	23.50	-	-	-
V	1,637.82	1,637.82	-	-	-	-	-
VI	62,714.20	62,714.20	-	-	-	-	-
VII	6,783.80	6,783.80	-	-	-	-	-
VIII	2,456.18	2,456.08	-	-	0.10	-	-
IX	9,776.30	9,776.30	-	-	-	-	-
X	5,887.60	5,887.60	-	-	-	-	-
XI	6,547.35	6,545.40	1.10	0.80	0.05	-	-
XII	12,651.73	6,502.50	-	-	-	1,230.20	4,919.03
CAR	-	-	-	-	-	-	-
CARAGA	3,764.20	1,900.00	1,864.20	-	-	-	-
ARMM	2,004.60	1,976.60	-	-	-	28.00	-
TOTAL	236,241.69	200,530.90	4,056.08	4,388.30	0.15	1,581.20	25,685.06

Tilapia

Region	Total	Brackishwater			Freshwater		
		Fishpond	Fishcage	Fishpen	Fishpond	Fishcage	Fishpen
NCR	490.28	59.30	-	-	-	430.98	-
I	4,556.28	869.80	35.00	97.30	3,532.11	21.37	0.70
II	4,562.28	422.00	51.50	-	2,621.82	1,466.96	-
III	66,262.62	4,828.80	28.10	-	61,381.52	24.20	-
IV-A	47,538.72	17.10	-	-	841.43	41,688.15	4,992.04
IV-B	555.73	15.70	1.30	-	538.73	-	-
V	5,837.95	42.45	-	-	302.50	5,493.00	-
VI	668.15	515.30	-	-	152.85	-	-
VII	117.63	66.00	-	-	49.58	2.03	0.02
VIII	206.15	0.20	-	-	135.38	35.71	34.86
IX	1,243.70	1,167.70	-	-	76.00	-	-
X	632.88	279.00	-	-	353.88	-	-
XI	664.67	204.48	-	-	445.27	14.92	-
XII	9,818.08	369.60	-	-	731.93	2,001.18	6,715.37
CAR	2,043.38	-	-	-	470.80	1,572.58	-
CARAGA	274.72	12.60	-	-	149.50	112.62	-
ARMM	395.11	175.90	-	-	47.77	145.90	25.54
TOTAL	145,868.33	9,045.93	115.90	97.30	71,831.07	53,009.60	11,768.53

Seaweeds

Region	Total
I	27.50
II	6.50
III	27.37
IV-A	25,438.00
IV-B	329,140.43
V	16,966.80
VI	50,983.62
VII	83,406.11
VIII	13,371.00
IX	154,785.96
X	39,155.64
XI	1,145.64
CARAGA	17,838.19
ARMM	472,514.80
TOTAL	1,204,807.56

D. MAJOR SPECIES PRODUCED IN AQUACULTURE FISHERIES, 2004

Species	Quantity (MT)	Percent (%)
Seaweeds	1,204,807.56	70.2
Milkfish	273,593.36	15.9
Tilapia	145,868.36	8.5
Others	92,757.38	5.4
Total	1,717,026.66	100

E. TEN MAJOR LAKES OF THE PHILIPPINES ⁷¹

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 Dapào	Lanao del Sur	1,000
10 Lake Sebu	South Cotabato	964
Total		187,064

IV. Municipal Fisheries Production, 2004

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



**A. MUNICIPAL FISHERIES PRODUCTION , BY REGION, 2004
(in MT)**

Region	Marine	Inland	Total
NCR	2,032.00		2,032.00
CAR		915.21	915.21
I	27,770.07	2,093.04	29,863.11
II	14,668.63	6,554.17	21,222.80
III	14,001.82	8,834.65	22,836.47
IV-A	39,583.31	70,479.58	110,062.89
IV-B	179,923.14	724.07	180,647.21
V	98,068.25	2,049.31	100,117.56
VI	129,395.90	5,841.37	135,237.27
VII	49,577.66	135.70	49,713.36
VIII	52,704.30	2,058.29	54,762.59
IX	122,132.36	484.18	122,616.54
X	30,037.91	1,480.91	31,518.82
XI	29,075.47	171.35	29,246.82
XII	25,589.16	17,581.15	43,170.31
ARMM	63,157.39	18,665.18	81,822.57
CARAGA	61,028.34	3,950.45	64,978.79
TOTAL	938,745.71	142,018.61	1,080,764.32

**B. MARINE MUNICIPAL FISH CATCH,
BY MAJOR FISH SPECIES, 2004**

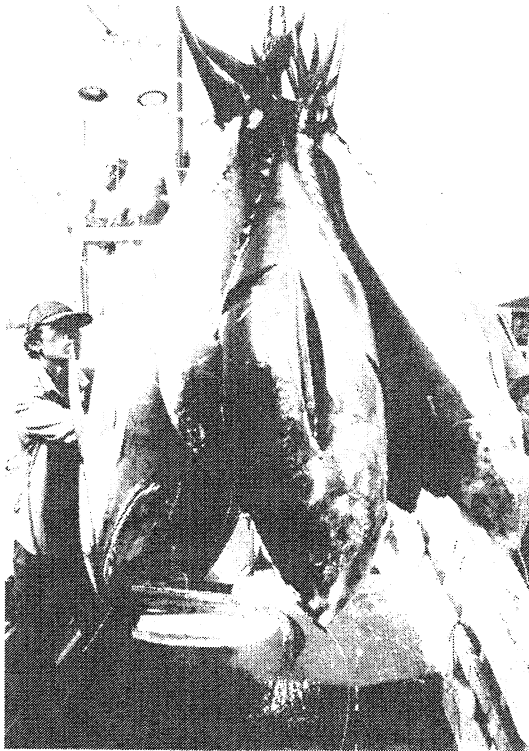
Major Species	Total	% to Total
1. Frigate Tuna (Tulingan)	66,786.87	7.1
2. Big-eyed Scad (Matang-baka)	64,781.59	6.9
3. Roundscad (Galunggong)	63,597.57	6.8
4. Indian Sardines (Tamban)	46,820.07	5.0
5. Indian Mackerel (Alumahan)	44,868.05	4.8
6. Anchovies (Dilis)	43,110.60	4.6
7. Yellowfin tuna (Tambakol)	42,458.42	4.5
8. Squid (Pusit)	40,980.26	4.4
9. Fimbriated Sardines (Tunsoy)	33,579.90	3.6
10. Slipmouth (Sapsap)	33,513.04	3.6
11. Others	458,249.34	48.8
TOTAL	938,745.71	100.0

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

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

IV. Commercial Fisheries Production, 2004

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



A. COMMERCIAL FISH PRODUCTION, BY REGION AND BY TYPE OF LANDING CENTERS, 2004

Region	Total	Private	PFDA	LGU	Traditional
NCR	141,442		138,191		3,251
I	3,984		606		3,378
II	16,141				16,141
III	11,296				11,296
IV-A	83,005		9,368		73,637
IV-B	46,679				46,679
V	41,953	10,800			31,153
VI	115,648	5,535	7,258	18,648	84,206
VII	58,405				58,405
VIII	51,020				51,020
IX	218,607	80,984	19,708		117,915
X	41,254			1,990	39,264
XI	10,163	155	3,609		6,398
XII	203,463	107,999	92,171		3,293
ARMM	80,639				80,639
CARAGA	4,684				4,684
TOTAL	1,128,382	205,474	270,913	20,638	631,358

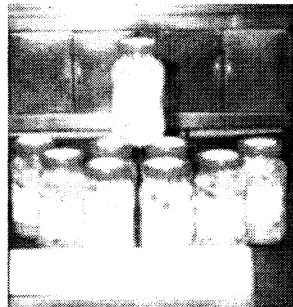
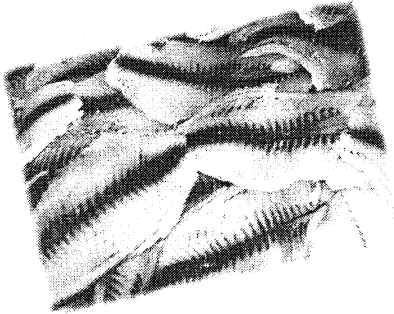
B. COMMERCIAL FISHERIES PRODUCTION, BY MAJOR FISH SPECIES, 2004

Major Species	Total (MT)	% to Total
1. Roundscad (Galunggong)	230,278.39	20.4
2. Indian Sardines (Tamban)	146,757.81	13.0
3. Frigate Tuna (Tulingan)	141,320.92	12.5
4. Skipjack (Gulyasan)	115,738.69	10.3
5. Yellowfin tuna (Tambakol/Bariles)	87,094.83	7.7
6. Big-eyed Scad (Matang-baka)	38,576.46	3.4
7. Fimbriated Sardines (Tunsoy)	36,432.74	3.2
8. Slipmouth (Sapsap)	35,254.56	3.1
9. Eastern little tuna (Bonito)	31,911.70	2.8
10. Indian Mackerel (Alumahan)	30,535.08	2.7
11. Other Species	234,481.20	20.8
TOTAL	1,128,382.38	100

**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

VI. External Trade



A. EXPORTS

1. Export of Fish and Fishery Products By Kind, Quantity and Value, 2004

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
● Fish Crustaceans, Mollusks, etc. and Preparation	144,624	21,463,580	414,849
a. Fish fresh (live or dead) chilled or frozen	45,534	4,060,323	78,478
b. Fish, dried, salted or in brine, smoked fish	2,111	302,275	5,842
c. Crustaceans, mollusks and aquatic invertebrates	34,729	9,635,518	186,236
d. Fish and other aquatic invertebrate, prepared/ preserved	62,250	7,465,464	144,293
● Shells and By-Products	5,478	1,130,127	21,843
● Miscellaneous and Other Fishery Products	45,985	4,702,762	90,896
Grand Total	196,087	27,296,469	527,588

2. Major Fishery Exports in Terms of Value, 2004

Commodity/Kind	Quantity (MT)	FOB Value (P 000)	FOB Value (\$ 000)
1. Tuna	78,329	8,036,687	155,334
Fresh/chilled/frozen	24,319	2,118,208	40,941
Smoked/dried	137	17,411	337
Canned	53,873	5,901,068	114,056
2. Shrimp/Prawn	15,343	5,812,854	112,351
Fresh/chilled/frozen	15,209	5,770,177	111,526
Other than fresh/chilled or frozen	121	41,057	794
Prepared & preserved	13	1,620	31
3. Seaweeds	45,105	4,662,716	90,120
Seaweeds & other Algae, nes	32,181	1,853,175	35,818
Seaweeds & algae used for food	122	13,247	256
Carrageenan	11,958	2,784,473	53,818
Kelp powder	844	11,821	228
4. Crabs/crabs fat	3,961	1,644,888	31,793
Frozen	192	38,350	741
Other than frozen	2,331	631,908	12,214
Prepared/preserved	1,438	974,630	18,838
5. Octopus	8,724	1,475,091	28,511
Fresh/chilled	148	26,116	505
Frozen/dried/salted	8,576	1,448,975	28,006
6. Pearls	2	624,303	12,067
Cultured, worked	2	602,946	11,654
Natural	n	21,357	413
7. Cuttlefish/squid	2,828	620,175	11,987
Fresh/chilled	85	11,704	226
Frozen/dried/salted	2,693	600,627	11,609
Prepared/preserved	50	7,844	152
8. Lapu-lapu, live other than fry	5,958	421,401	8,145
9. Ornamental fish, live	6,941	380,052	7,346
10. Scallops	2,467	355,979	6,880
Fresh/chilled/frozen	81	11,860	229
Frozen/dried/salted	2,386	344,119	6,651
Total major commodities	169,658	24,034,146	464,534
Total of other commodities	26,429	3,262,323	63,054
Grand Total	196,087	27,296,469	527,588

3. Major Destination of Top Three Fishery Exports by Kind, Quantity and Value, 2004

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
1. Tuna	78,329	8,036,687	155,333
Fresh/chilled/frozen	24,319	2,118,208	40,941
Japan	11,264	849,786	16,425
USA	2,459	549,161	10,614
Thailand	2,283	121,320	2,345
Hongkong	502	106,068	2,050
Papua New Guinea	2,849	84,488	1,633
Others	4,962	407,385	7,874
Smoked/Dried	137	17,411	336
USA	86	9,552	185
Japan	46	7,210	139
Netherlands	3	326	6
Korea	1	197	4
Canada	1	126	2
Canned	53,873	5,901,068	114,056
USA	19,552	2,153,790	41,629
Germany	7,319	788,171	15,234
Canada	6,504	674,640	13,040
Japan	2,285	281,102	5,433
UK	2,382	265,340	5,129
Others	15,831	1,738,025	33,591

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
2. Shrimp/Prawn	15,478	5,855,532	113,176
Fresh/chilled/frozen	15,344	5,812,855	112,351
Japan	7,121	2,837,443	54,842
Korea	4,366	1,431,630	27,671
USA	2,239	858,047	16,584
Guam	282	133,708	2,584
Canada	199	133,006	2,571
Others	1,137	419,021	8,099
Other than fresh/chilled or frozen	121	41,057	794
Japan	91	34,345	664
Korea	11	2,225	43
Singapore	6	2,013	39
Taiwan	6	1,397	27
Thailand	5	475	9
Others	2	602	12
Prepared/Preserved	13	1,620	31
Thailand	9	1,035	20
Canada	2	279	5
China	1	211	4
Others	1	95	2

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
3. Seaweeds	45,106	4,662,716	90,122
Seaweeds and other algae, nes	32,181	1,853,175	35818
USA	5,269	384,056	7,423
France	6,941	306,796	5,930
Korea	4,623	221,667	4,284
China, Peoples Rep. of	4,617	164,009	3,170
Hongkong	3,397	131,563	2,543
Spain	2,529	118,271	2,286
Others	4,805	526,813	10,182
Carrageenan	11,959	2,784,473	53,819
USA	1,937	484,325	9,361
Denmark	1,067	252,693	4,884
France	1,026	250,974	4,851
Australia	1,029	189,950	3,671
Others	6,900	1,606,531	31,052
Seaweeds and algae used for food	122	13,247	256
Japan	66	10,199	197
Okinawa	10	1,344	26
Australia	2	578	11
Hongkong	3	517	10
China, Peoples Rep. of	40	414	8
Others	1	195	4
Kelp powder	844	11,821	229
Japan	844	11,821	229
Total Major Countries	138,913	18,554,935	358,631
Other Countries	57,174	8,741,534	168,957
Grand Total	196,087	27,296,469	527,588

4. Fishery Exports, by Major Country of Destination in Terms of Value, 2004

Country/Destination	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
USA	48,250	7,438,526	143,772
Japan	27,730	5,195,815	100,425
Korea	11,331	2,037,029	39,372
Hongkong	16,424	1,841,502	35,593
Canada	9,021	1,167,864	22,573
Germany	8,608	1,035,341	20,011
Taiwan (Republic of China)	7,456	976,767	18,879
Singapore	3,711	701,934	13,567
France	8,308	621,866	12,019
United Kingdom	2,633	429,242	8,296
Total Major Countries	143,470	21,445,886	414,508
Other Countries	52,617	5,850,583	113,081
Grand Total	196,088	27,296,470	527,588

Major Fisheries Export in Terms of Value, 2004

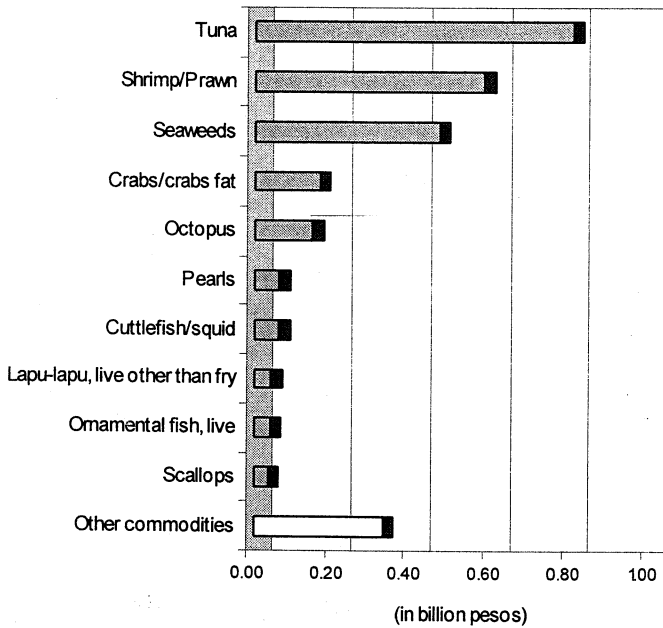


Figure 5

B. IMPORTS

1. Import of Fish and Fishery Products By Kind, Quantity and Value, 2004

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
● Fish Crustaceans, Mollusks, etc. and Preparation	82,179	1,956,315	37,157
a. Fish fresh (live or dead) chilled or frozen	69,276	1,466,896	27,861
b. Fish, dried, salted or in brine, smoked fish	122	16,200	308
c. Crustaceans, mollusks and aquatic invertebrates	11,866	405,711	7,706
d. Fish and other aquatic invertebrate, prepared/ preserved	915	67,508	1,282
● Shells and By-Products	1,305	32,213	612
● Miscellaneous and Other Fishery Products	86,542	2,986,742	56,727
Grand Total	170,026	4,975,270	94,496

2. Major Fishery Imports in Terms of Value, 2004

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
1. Prawn feeds	34,890	1,378,945	26,191
U S A	8,071	398,871	7,576
Netherlands	9,799	171,471	3,257
Singapore	1,466	116,083	2,205
Thailand	1,632	88,181	1,675
Germany	2,705	75,723	1,438
Belgium	1,415	69,081	1,312
China, People's Rep	2,161	68,044	1,292
Spain	1,029	64,359	1,222
Others	6,613	327,132	6,213
2. Flour, meals & pellets of fish crustaceans & molluscs unfit for human consumption	45,340	1,137,106	21,597
U S A	21,715	483,520	9,184
Peru	12,084	352,378	6,693
Chile	2,096	77,094	1,464
Seychelles Rep.	1,800	42,476	807
Australia	1,564	40,903	777
Malaysia	1,305	27,577	524
Taiwan	772	15,487	294
Angola	530	13,520	257
Indonesia	527	13,184	250
South Africa	500	11,017	209
Others	2,447	59,952	1,139

Commodity/Kind	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
3. Chilled Frozen Fish	58,344	1,123,812	21,345
A. Tuna	21,263	589,875	11,204
Indonesia	5,411	158,991	3,020
Solomon Island	4,922	128,589	2,442
Taiwan	3,468	80,713	1,533
Guam	2,090	66,024	1,254
Micronesia	1,417	46,181	877
Papua New Guinea	1,652	38,661	734
Singapore	752	33,125	629
New Zealand	444	14,697	279
Others	1,107	22,895	435
B. Sardines	16,135	237,962	4,520
United Kingdom	7,001	99,521	1,890
Canary Island	5,917	84,114	1,598
Norway	1,283	18,518	352
Others	1,933	35,809	680
C. Mackerel	20,947	295,975	5,622
China, People's Rep.	9,740	136,294	2,589
Japan	5,059	72,821	1,383
Taiwan	2,752	39,174	744
Mexico	1,227	16,276	309
Pakistan	618	10,457	199
Others	1,550	20,952	398
Total major imports	138,573	3,639,863	69,133
Other Commodities	31,453	1,335,407	25,364
Grand Total	170,027	4,975,270	94,496

3. Fishery Imports, by Major Country of Origin in Terms of Value, 2004

Major Countries	Quantity (MT)	FOB Value	
		(000 P)	(000 \$)
U S A	33,906	1,014,095	19,261
China, People's Rep. of	17,616	486,253	9,235
Indonesia	12,255	394,984	7,502
Peru	13,697	380,524	7,227
Chile	7,889	256,590	4,873
Singapore	2,795	232,380	4,414
Taiwan	9,841	231,043	4,388
Netherlands	9,919	182,977	3,475
Thailand	3,639	139,431	2,648
United Kingdom	7,900	138,087	2,623
Total Major Countries	119,456	3,456,363	65,648
Other Countries	50,571	1,518,907	28,848
Grand Total	170,027	4,975,270	94,496

VII. Other Fishery Information



A. FOOD CONSUMPTION ^{10/}

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

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

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

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

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

**B. WORLD FISHERIES PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS AND AQUATIC PLANTS
(includes seaweeds), BY CAPTURE AND AQUACULTURE, BY MAJOR PRODUCERS, 2003 (MT) ^{1/1}**

Major Countries	TOTAL		Fish, Crustaceans & Molluscs			Aquatic Plants (includes seaweeds)		
	MT	% share	Capture	Aquaculture	Total	Capture	Aquaculture	Total
1. China	57,350,528	39.21	18,049,310	29,248,440	47,297,750	296,468	9,756,310	10,052,778
2. Peru	6,111,342	4.18	6,089,660	13,818	6,103,478	7,864		7,864
3. Japan	6,035,000	4.13	4,586,172	859,656	5,455,828	111,467	467,705	579,172
4. Indonesia	5,959,929	4.07	4,675,100	996,659	5,671,759	56,270	231,900	288,170
5. India	5,904,584	4.04	3,688,994	2,215,590	5,904,584			-
6. USA	5,532,781	3.78	4,938,956	544,329	5,483,285	49,496		49,496
7. Chile	4,563,441	3.12	3,621,753	563,435	4,185,188	308,603	69,650	378,253
8. Philippines	3,618,348	2.47	2,169,164	459,615	2,628,779	680	988,889	989,569
9. Thailand	3,590,452	2.45	2,817,482	772,970	3,590,452			-
10. Russian Fed.	3,429,079	2.34	3,281,248	108,684	3,389,932	39,080		39,147
11. Norway	3,285,416	2.25	2,550,191	582,016	3,132,207	153,209		153,209
12. Viet Nam	2,634,388	1.80	1,666,886	937,502	2,604,388		30,000	30,000
13. Korea Rep.	2,492,545	1.70	1,647,546	387,791	2,035,337	5,154	452,054	457,208
14. Other Countries	35,766,253	24.45	30,427,284	4,613,636	35,040,920	240,208	485,125	725,333
World Total	146,274,086	100.00	90,219,746	42,304,141	132,523,887	1,268,499	12,481,700	13,750,199

C. WORLD AQUACULTURE PRODUCTION OF FISH, CRUSTACEANS, MOLLUSCS, etc. BY PRINCIPAL PRODUCERS IN 2003

Major Countries	Volume (MT)	% Share	Value (US\$' 000)	% Share
1. China	28,892,005	68.30	31,440,632	51.6
2. India	2,215,590	5.24	2,515,592	4.1
3. Indonesia	996,659	2.36	1,698,843	2.8
4. Viet Nam	937,502	2.22	1,968,331	3.2
5. Japan	859,656	2.03	3,430,168	5.6
6. Bangladesh	856,956	2.03	1,243,121	2.0
7. Thailand	772,970	1.83	1,910,050	3.1
8. Norway	582,016	1.38	1,338,755	2.2
9. Chile	563,435	1.33	2,137,842	3.5
10. USA	544,329	1.29	804,533	1.3
11. Philippines	459,615	1.09	600,836	1.0
12. Egypt	445,181	1.05	615,011	1.0
13. Other Countries	4,178,227	9.88	11,280,139	18.5
World Total	42,304,141	100.00	60,983,853	100

D. WORLD AQUACULTURE PRODUCTION OF AQUATIC PLANTS BY PRINCIPAL PRODUCERS IN 2003

Major Countries	Volume (MT)	% Share	Value (US\$' 000)	% Share
1. China	9,744,060	78.07	4,752,769	75.08
2. Philippines	988,889	7.92	67,678	1.07
3. Japan	467,705	3.75	998,794	15.78
4. Korea Rep.	452,054	3.62	169,819	2.68
5. Korea D.P. Rep.	444,295	3.56	244,362	3.86
6. Indonesia	231,900	1.86	17,059	0.27
7. Chile	69,650	0.56	55,720	0.88
8. Viet Nam	30,000	0.24	15,000	0.24
9. Malaysia	18,871	0.15	1,986	0.03
10. Other Countries	34,276	0.27	2,200	0.03
World Total	12,481,700	100.00	6,330,318	100

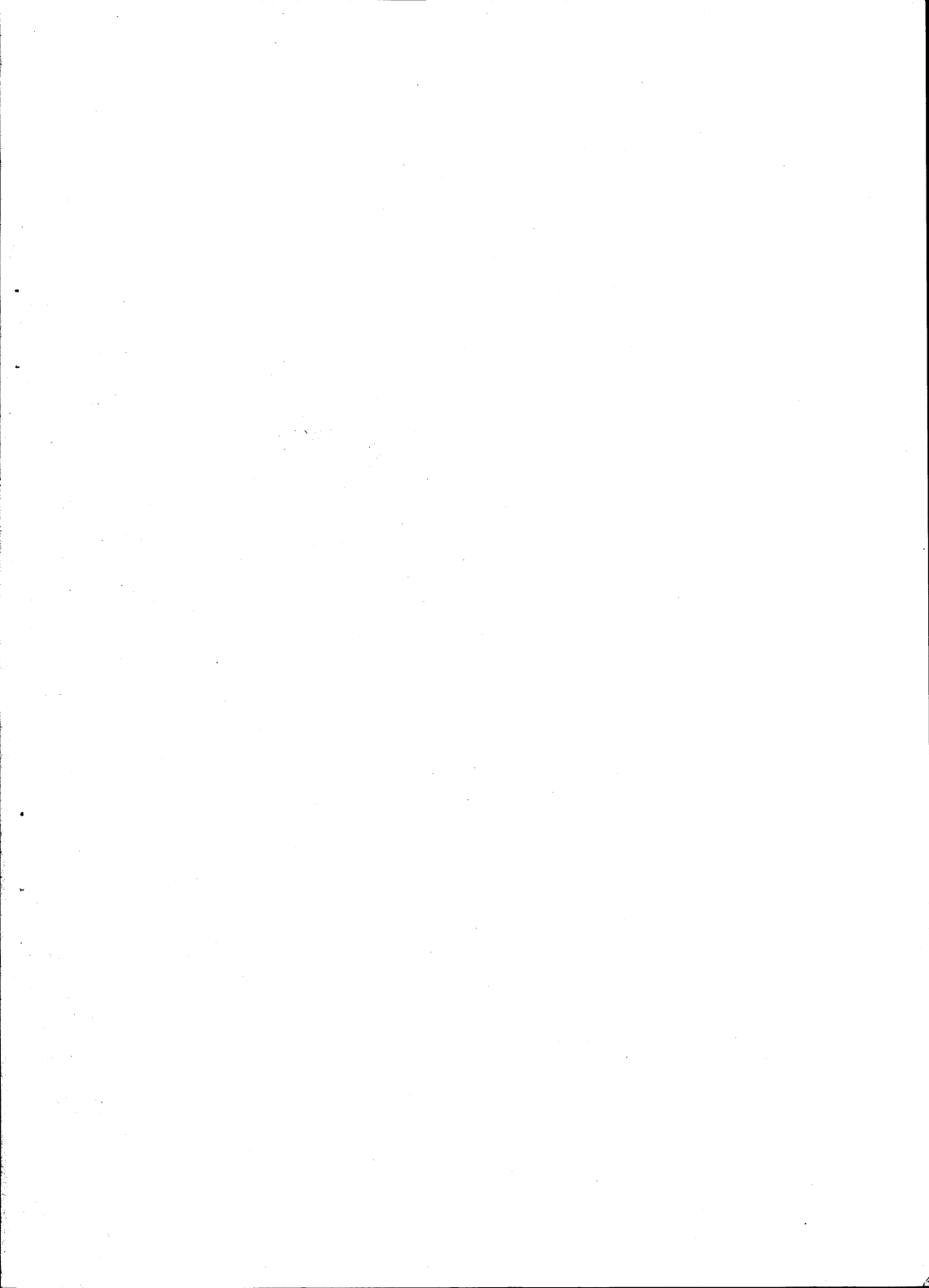
**E. PRICES OF SELECTED FISH SPECIES,
PHILIPPINES, 2004 ^{12/}**

Species	Wholesale	Retail
1. Indian mackerel (Alumahan)	66.33	80.73
2. Milkfish (Bangus)	68.75	85.12
3. Threadfin bream (Bisugo)	74.71	104.66
4. Caesio (Dalagang Bukid)	66.09	104.07
5. Anchovies (Dilis)	35.33	53.76
6. Roundscad (Galunggong)	48.07	66.19
7. Slipmouth (Sapsap)	41.63	83.77
8. Tiger prawn (Sugpo)	335.65	381.29
9. Tilapia	51.36	67.38
10. Frigate tuna (Tulingan)	54.08	66.42
11. Blue crab (Alimasag)	79.39	118.84

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, 2004
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, AWBPF1
- 8/ BFAR Regional Yearbook, 2000
- 9/ BFAR Regulatory and Quarantine Division
- 10/ Food and Nutrition Research Institute Website, (<http://www.fnri.dost.gov.ph>.)
- 11/ FAO Website (<http://www.fao.org>.)
- 12/ Agricultural Marketing Statistical Analysis Division (AMSAD, BAS)





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