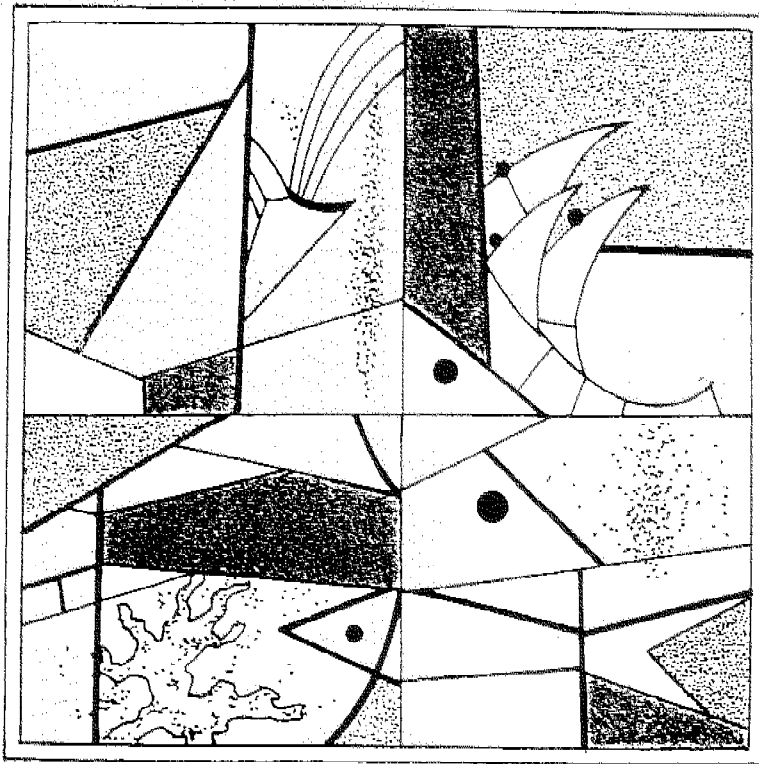


1995 PHILIPPINE FISHERIES PROFILE



Republic of the Philippines
Department of Agriculture
Bureau of Fisheries and Aquatic Resources
860 Quezon Ave., Quezon City, Metro Manila 3008



FOREWORD

The Fisheries Policy Research and Economics Division (FPRED) of the Bureau of Fisheries and Aquatic Resources (BFAR) publishes the Philippine Fisheries Profile (PFP) annually. This report serves as a tool for providing information/data to planners, decision-makers, researchers and other users to guide them in the formulation of plans, programs and policies.

The PFP for 1995 contains data on fisheries contribution to GDP and GVA; ten year (1986-1995) data series on fish production by sector, quantity and value; 1995 fish production by region, by sector and sub-sectors, by major species, fishing area and fishing gears; fishery imports and exports of fish and fishery products by major species and country of destination/sources and other fishery industry information such as : food consumption and productive area in aquaculture. Included also in this publication are the data on commercial fishing vessels and municipal fishing bancas by region.

The annual data presented in this publication are based on extensive summary of statistical information compiled by the Bureau of Fisheries and Aquatic Resources (BFAR) and data produced by the Bureau of Agricultural Statistics (BAS), National Statistics Office (NSO), National Statistical Coordination Board (NSCB) and Food and Nutrition Research Institute (FNRI).

We take this opportunity to thank the different source agencies for their support in making the data available for this publication.

It is fervently hoped that this reference material will serve its purpose to the fullest.


DENNIS B. ARAULLO
Director

HIGHLIGHTS

1. The Philippines ranked as 12th among the largest fish producer in the world for 1993 as per Infofish Fact Sheet, August 1995.
2. The Philippines was the 2nd biggest producer of tuna and tuna like fishes in Indian Ocean and South East Asian Region in 1991 with Indonesia and Thailand as the 1st and 3rd biggest producer respectively.
3. In 1995, the fishing industry accounted for 3.7% and 4.2% of our country's Gross Domestic Product (GDP) at current and constant prices, respectively.
It also accounted for 17.0% (P70.2B) of the Gross Value Added (GVA) of P412.9 B in Agriculture, Fishery and Forestry Sector at current prices which was the largest share next to agriculture crops.
4. The fishing industry provided livelihood to about one million or five percent of the country's labor force as well as their dependents. In aquaculture, about 26% (258,480) fishfarmers were engaged in different culture method; municipal contributed 68% (675,677) and commercial fisheries, 6% (56,715).
5. The average annual growth rate achieved by Philippine fisheries from 1990-1995 was 1.5% in quantity. Positive growths of 3.5% and 4.8% were experienced in aquaculture and commercial fisheries, respectively but municipal fisheries has been declining at -2.2%.
6. Total fish production for 1995 was 2.740 million metric tons valued at P83.639 billion registering increases of 2.0% and 3.0%, respectively.

7. Production was mainly contributed by municipal fisheries, 36% followed by commercial fisheries, 34% and aquaculture, 30%.
8. In terms of value, the highest share of 40% went to aquaculture, followed by municipal, 32% and commercial fisheries, 28%.
9. Despite the increase in imports in 1995, the balance of trade (or net export) improved by 2.2% from \$483.0 million in 1994 to \$494.0 million in 1995.
10. The Philippines exported a total of P15.6B (\$606.0 M) in 1995, up by 4.2% over the previous year. Leading markets were Japan and USA contributing \$275.9M (45.5%) and \$98.8 M (16.3%). Other major markets in descending order were the following: Hongkong, United Kingdom, Germany, Korea, Canada, France, South Africa and Taiwan.
11. Leading fishery exports, shrimps/prawns and tuna, accounted for P9.7B or 62% of the total export valued at P15.6 billion in 1995. These fishery products contributed P5.6 B and P4.1 B respectively.
12. Importation of fish and fishery products increased by 16.6% in 1995. From a total of P2.505 billion in 1994, it went up to P2.923 billion in 1995. Major sources of increase was in the importation of frozen/chilled tuna (40%) and fish meal (26.6%) rise in value.
13. Comprising the bulk of fishery imports were the following:
 - a) Frozen/chilled fish (47%) which includes tuna 30%, sardines, 4% and mackerel, 13%.
 - b) Fish meal, 45%

These accounted for P2.69 billion or 92% of the total imports of P2.9 billion in 1995.

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FISHERY RESOURCES

**FISHERIES CONTRIBUTION
TO ECONOMY**

Philippine Marine Jurisdictional Boundaries

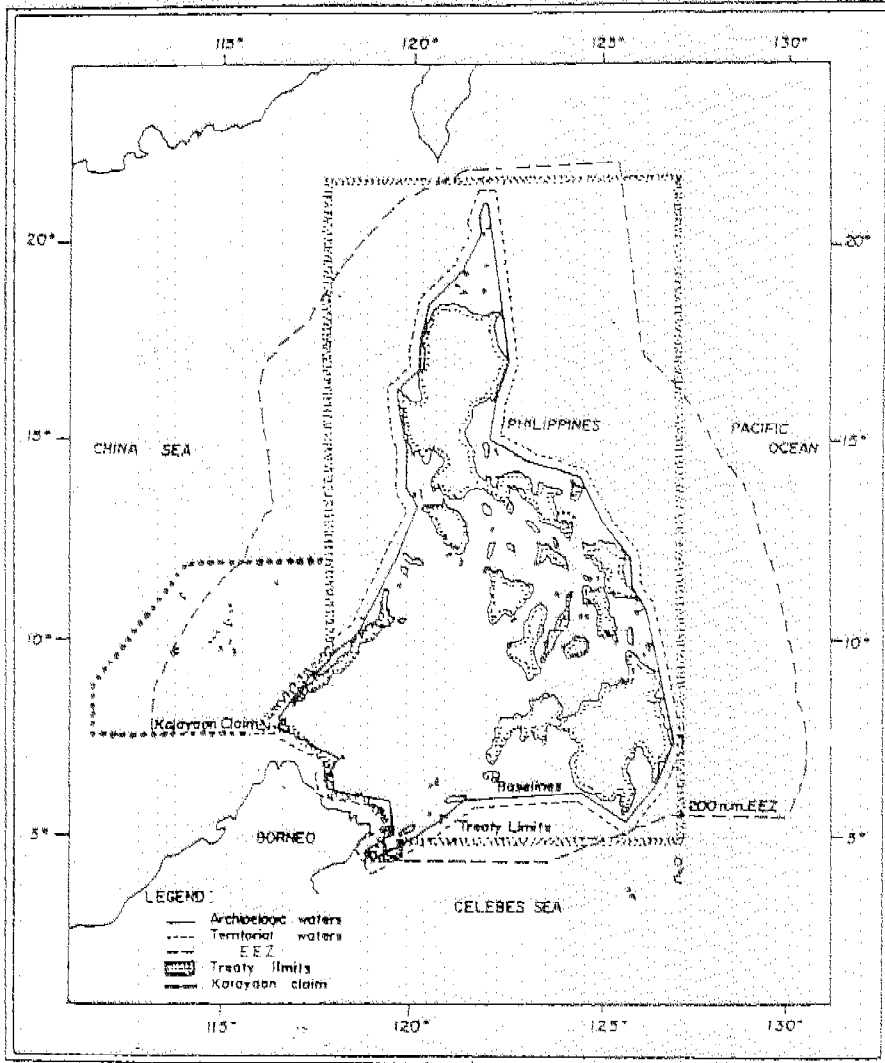


Figure 1

**PHILIPPINE FISHERIES PROFILE
AS OF DECEMBER 1995**

I. FISHERY RESOURCES

A. Marine Resources

1.	Total Territorial Water Area (including the EEZ)	220,000,000 ha.
a.	Coastal	26,600,000 ha. (12% of the total)
b.	Oceanic	193,400,000 ha. (88% of the Total)
2.	Shelf Area (Depth 200 m.)	18,460,000 ha. (8% of the total)
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 1/	338,393 ha.
a.	Freshwater	106,328 ha.
b.	Brackishwater	232,065 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 ECONOMY (1995)

A. Fisheries Contribution to Total GDP 3/

1. At Current Prices 3.7 %
2. At Constant Prices 4.2 %

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

	At Current Prices (In M P)	% to Agri- cultural Sector	At Constant Prices (In M P)	% to Agri- cultural Sector
1. Agricultural crops (Palay, corn coconut, & etc.)	244,164	59.1	93,092	53.8
2. Livestock	43,476	11.7	19,839	11.5
3. Poultry	23,130	6.8	16,056	9.3
4. Agricultural activities & services	19,243	4.7	8,632	5.0
5. Fishery	70,206	17.0	33,853	19.6
6. Forestry	2,746	0.7	1,527	0.9
TOTAL	412,965	100.0	172,999	100.0

C. Employment

1. Aquaculture	258,480 persons	4/
2. Municipal	675,677 persons	5/
3. Commercial	56,715 persons	4/
TOTAL	990,872 persons	

D. Balance of Trade 6/

	1995			1994		
	Quantity (mt)	FOB Value (P M)	(\$ M)	Quantity (mt)	FOB Value (P M)	(\$ M)
Fishery Exports	169,746	15,656	606.0	172,080	15,027	577.6
Fishery Imports	270,213	2,923	112.1	241,194	2,505	94.5
Balance of Trade	(100,467)	12,733	493.9	(69,114)	12,522	483.1

E. Total Fish Production by Sector, 1995 ^{7/}

	Quantity (000 MT)	%	Value (P. B)	%
1. Aquaculture	825	30.1	33.3	39.7
2. Municipal Fisheries	968	36.1	26.8	32.0
3. Commercial Fisheries	927	33.8	23.7	28.3
TOTAL	2,740	100.0	83.8	100.0

F Fish Production, by Sector and by Region, 1995
(in MT)

Region	Commercial	Municipal	Aquaculture	Total	% share to total
NCR	276,888	4,528	7,861	289,277	10.56
CAR	0	236	1,391	1,627	0.06
I	1,386	20,430	28,183	49,999	1.82
II	4,164	11,408	1,823	17,395	0.63
III	8,159	13,749	106,369	128,277	4.68
IV	99,979	293,462	53,174	446,615	16.30
V	19,668	61,614	27,145	108,427	3.96
VI	121,590	151,474	89,469	362,533	13.23
VII	53,949	39,287	31,772	125,008	4.56
VIII	25,624	36,995	4,013	66,632	2.43
IX	172,669	165,053	100,376	438,098	15.99
X	55,316	15,969	2,058	73,343	2.68
XI	46,706	36,214	17,491	100,411	3.66
XII	4,916	8,951	6,537	20,404	0.74
ARMM	31,181	39,240	344,299	414,720	15.14
CARAGA	4,692	89,148	3,426	97,266	3.55
Total	926,887	987,758	825,387	2,740,032	100.00

G. Fish Production, by Sector 1986-1995 ^{8/}

1. Volume of Fish Production (in metric tons)

Year	Aquaculture	Municipal	Commercial	Total
1995	825,387	987,758	926,887	2,740,032
1994	791,444	1,009,738	885,446	2,686,628
1993	772,082	1,030,274	845,431	2,647,787
1992	736,381	1,084,360	804,866	2,625,607
1991	692,401	1,146,765	759,815	2,598,981
1990	671,116	1,131,866	700,564	2,503,546
1989	629,345	1,104,626	637,138	2,371,109
1988	599,554	1,070,195	599,995	2,269,744
1987	560,970	1,060,878	591,192	2,213,040
1986	470,893	1,072,361	546,230	2,089,484

2. Value of Fish Production (in million pesos)

Year	Aquaculture	Municipal	Commercial	Total
1995	33,335	26,784	23,743	83,862
1994	35,280	24,819	21,130	81,229
1993	30,508	22,185	18,365	71,058
1992	25,986	22,656	16,801	65,443
1991	22,656	22,133	15,245	60,034
1990	20,466	19,300	12,411	52,177
1989	15,673	18,388	11,033	45,094
1988	15,213	16,633	10,272	42,118
1987	11,421	16,108	9,821	37,350
1986	10,832	17,251	9,248	37,331

H. Five Year Fish Production, Trend 1991-1995

Year	Quantity (M T)	% Increase/ (Decrease)	Value (000 P)	% Increase (Decrease)
1995	2,740,032	1.99	83,862,099	3.24
1994	2,686,628	1.47	81,229,393	14.3
1993	2,647,787	0.84	71,058,146	7.4
1992	2,625,607	1.0	65,443,532	9.0
1991	2,598,981	3.8	60,033,289	15.1

Total Fish Production by Sector, 1995

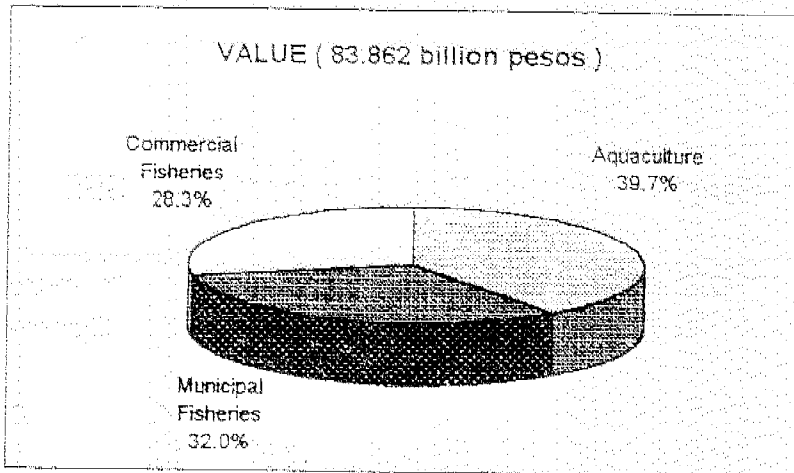
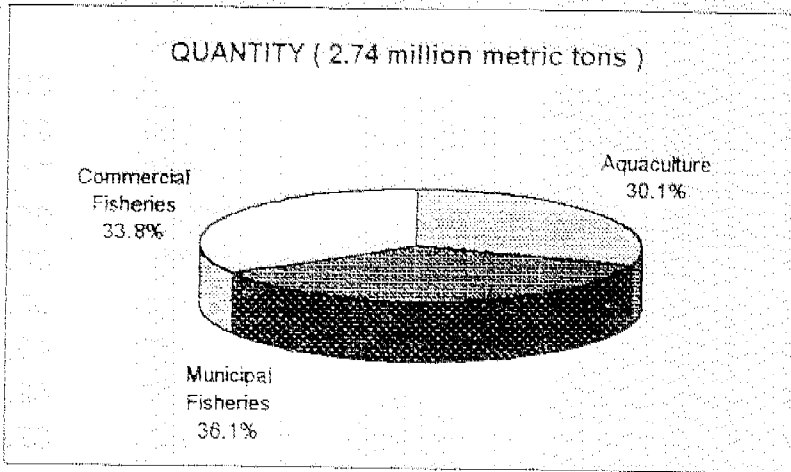


Figure 2

Fish Production by Sector, 1986-1995

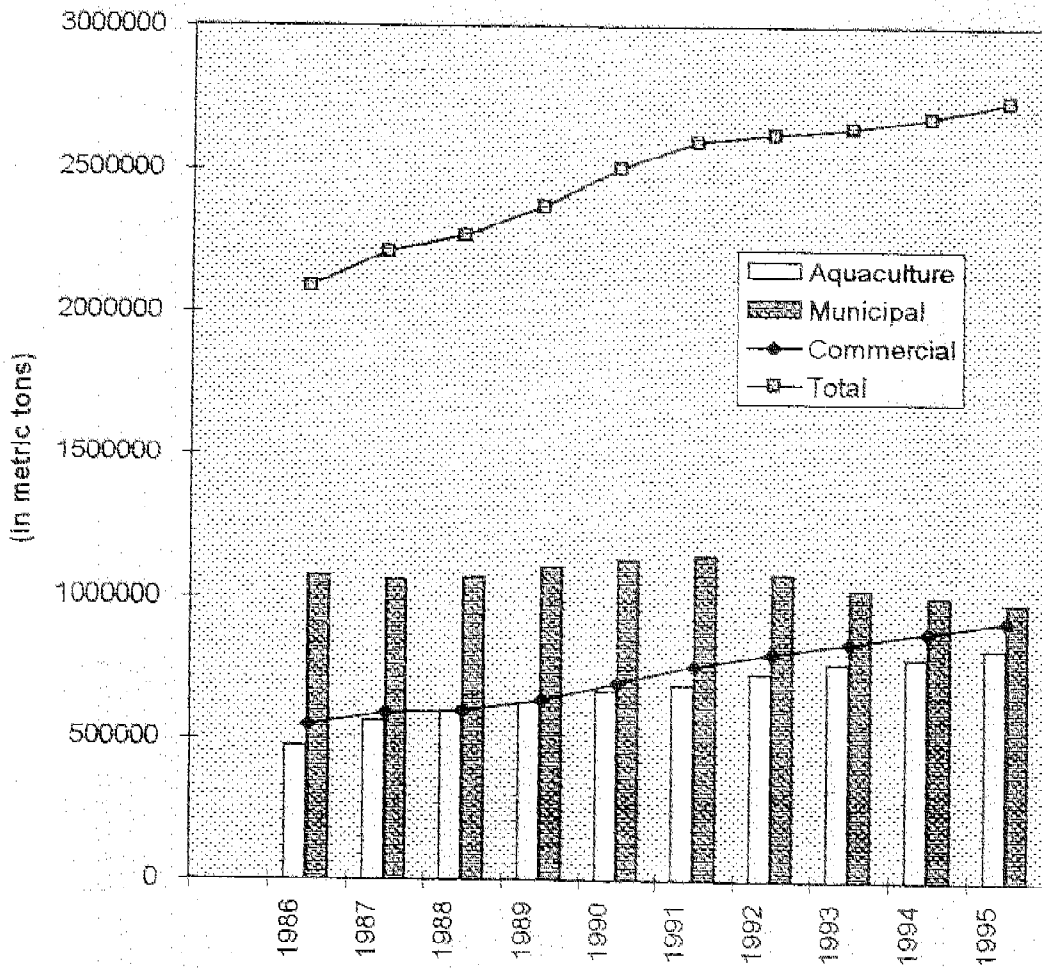


Figure 3

Value of Fish Production, 1986-1995

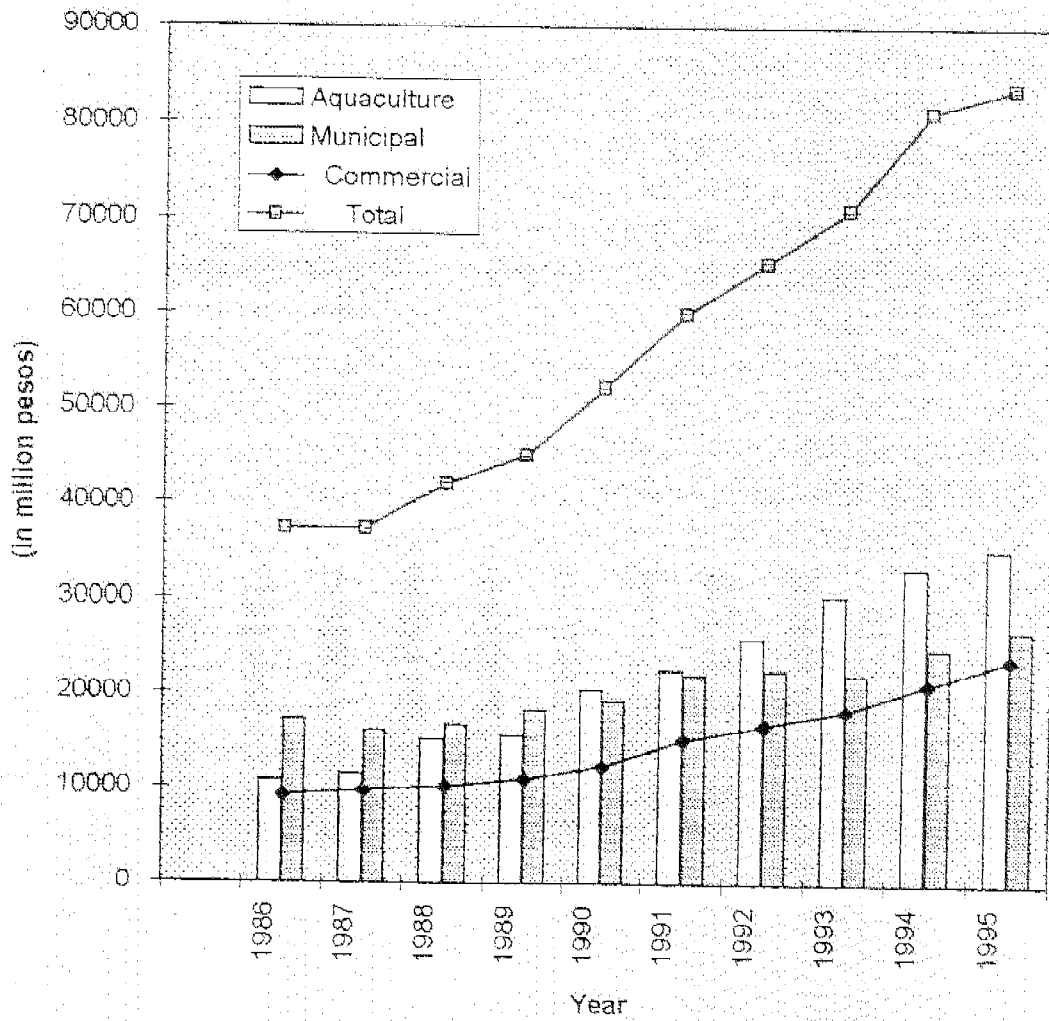


Figure 4

**A. SUMMARY OF AQUACULTURE PRODUCTION
BY TYPE OF CULTURE, BY REGION, 1995
(IN METRIC TONS)**

Region	Total Aqua- culture	Brackish- water Fishpond	Fresh- water Fishpond	(Fresh and Marine water)		
				Fishpen	Fishcage	Mariculture
NCR	7,861	6,425	0	1,022	147	267
CAR	1,391	0	315	0	1,076	0
I	28,183	20,522	2,136	4	3	5,518
II	1,823	468	1,238	0	115	2
III	106,369	68,457	35,697	a/	100	2,115
IV	53,174	11,494	1,062	19,583	17,958	3,077
V	27,145	3,086	59	0	11,721	12,279
VI	89,469	75,201	760	0	8	13,500
VII	31,772	11,555	6	0	0	20,211
VIII	4,013	2,001	35	0	0	1,977
IX	100,376	12,696	56	45	0	87,579
X	2,058	1,837	179	0	0	42
XI	17,491	13,674	959	0	2,378	480
XII	6,537	6,090	425	0	0	22
XIII	3,426	3021	12	0	2	391
ARMM	344,299	529	5	4	12	343,749
TOTAL	825,387	237,056	42,944	20,658	33,520	491,209

a/ Quantity less than 1 metric ton

AQUACULTURE FISH PRODUCTION, 1995

This includes production from the following:

- Brackishwater culture for fishponds
- Freshwater culture for fishponds
- Fishpen and fishcage culture in fresh/marine waters
- Mariculture for oyster, mussel and seaweeds

**B. AQUACULTURE PRODUCTION BY SUB SECTORS,
BY SPECIES AND BY REGION, 1995**

1. Production from Brackishwater Fishpond (in mt)

Region	Total	Bangus	Sugpo	Endeavor Prawn	Others *
NCR	6,425	6,256	89	0	80
CAR	0	0	0	0	0
I	20,522	18,440	686	2	1,394
II	468	174	110	2	182
III	68,457	37,571	25,591	2	5,293
IV	11,494	9,354	2,095	14	31
V	3,086	1,649	817	32	588
VI	75,201	40,755	33,958	228	260
VII	11,555	5,705	4,994	840	16
VIII	2,001	1,608	375	0	18
IX	12,696	5,931	5,764	b/	1,001
X	1,837	153	1,683	0	1
XI	13,674	5,824	7,600	174	76
XII	6,090	2,320	3,767	0	3
XIII	3,021	1,563	1,252	0	206
ARMM	529	493	34	1	1
TOTAL	237,056	137,796	88,815	1,295	9,150

b/ less than one metric tons

Others :

Tilapia (5,317)

White Shrimp (346)

Grouper (705)

Mudcrab (2,782)

2. Production from Freshwater Fishponds, 1995 (in mt)

Region	Total	Tilapia	Carp	Others
NCR	0	0	0	0
CAR	315	297	9	9
I	2,136	1,786	34	316
II	1,238	894	26	318
III	35,697	32,089	202	3,406
IV	1,062	1,058	0	4
V	59	58	1	0
VI	760	634	1	125
VII	6	6	b/	0
VIII	35	35	0	0
IX	56	56	b/	0
X	179	177	0	2
XI	959	959	b/	0
XII	425	344	b/	81
XIII	12	12	b/	0
ARMM	5	5	b/	0
TOTAL	42,944	38,410	273	4,261

b/ Less than one metric ton

* Others

Catfish (1,300)

Mudfish (2,433)

Gurami (216)

Not Specified (312)

3. Production from Fishpen, 1995
Fresh and Marine Waters (in mt)

Region	Total	Bangus	Tilapia	Others
NCR	1,022	852	8	162
CAR	0	0	0	0
I	4	0	0	4
II	0	0	0	0
III	0	0	a/	0
IV	19,583	12,210	4,864	2,509
V	0	0	0	0
VI	0	0	0	0
VII	0	0	0	0
VIII	0	0	0	0
IX	45	0	0	45
X	0	0	0	0
XI	0	0	0	a/
XII	0	0	0	0
XIII	0	0	0	0
ARMM	4	0	4	0
TOTAL	20,658	13,062	4,876	2,720

a/ less than one metric ton

4. Production from Fish Cages, 1995
Fresh and Marine Waters (in mt)

Region	Total	Tilapia	Carp	Others
NCR	147	131	15	1
CAR	1,076	1,076	0	0
I	3	3	0	0
II	115	115	0	0
III	100	100	0	0
IV	17,958	17,911	47	0
V	11,721	10,853	0	868
VI	8	0	0	8
VII	0	0	0	0
VIII	0	0	0	0
IX	0	0	0	0
X	0	0	0	0
XI	2,378	2,378	0	0
XII	0	0	0	0
XIII	2	0	0	2
ARMM	12	12	0	0
TOTAL	33,520	32,579	62	879

5. Production from Mariculture, 1995 (in mt)

Region	TOTAL	Oyster	Mussels	Seaweeds
NCR	267	0	267	0
CAR	0	0	0	0
I	5,518	5,518	0	0
II	2	2	0	0
III	2,115	2,115	0	0
IV	3,077	563	803	1,711
V	12,279	19	1,447	10,813
VI	13,500	3,381	8,842	1,277
VII	20,211	63	2	20,146
VIII	1,977	0	1,917	60
IX	87,579	174	3	87,402
X	42	0	0	42
XI	480	39	0	441
XII	22	0	a/	22
XIII	391	0	0	391
ARMM	343,749	0	0	343,749
TOTAL	491,209	11,874	13,281	0 466,054

a/ Quantity less than 1 metric ton

C. MAJOR SPECIES PRODUCED IN AQUACULTURE, 1995

Species	Quantity (MT)	Percent (%)
Seaweeds	466,054	56.5
Bangus (milkfish)	150,858	18.3
Shrimps/Prawns	90,456	11.0
Tilapia (cichlid)	81,182	9.8
Others	36,837	4.5
TOTAL	825,387	100.0

D. TEN MAJOR LAKES OF THE PHILIPPINES ^{9/}

	Name of Lakes	Location	Area (ha)
1.	Laguna de Bay	Laguna and Rizal	89,076
2.	Lake Lanao	Lanao del Sur	34,000
3.	Taal Lake	Batangas	24,356
4.	Lake Mainit	Surigao del Norte-	
		Agusan	17,430
5.	Naujan Lake	Oriental Mindoro	7,899
6.	Lake Buluan	South Cotabato	6,134
7.	Lake Bato	Camarines Sur	3,792
8.	Lake Pagusi	Agusan	2,532
9.	Lake Labas	South Cotabato	2,141
10.	Lake Lurnao	Agusan	1,686
	TOTAL		189,046

MUNICIPAL FISHERIES FISH PRODUCTION, 1995

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

**A. MUNICIPAL FISHERIES PRODUCTION,
BY REGION, 1995 (IN METRIC TONS)**

Region	Marine	Inland	Total
NCR	4,528	0	4,528
CAR	0	236	236
I	19,009	1,421	20,430
II	6,639	4,769	11,408
III	9,372	4,377	13,749
IV	145,067	148,395	293,462
V	61,371	243	61,614
VI	148,139	3,335	151,474
VII	39,255	32	39,287
VIII	36,990	5	36,995
IX	164,438	615	165,053
X	15,855	114	15,969
XI	35,258	956	36,214
XII	5,528	3,428	8,951
XIII	66,670	22,478	89,148
ARMM	27,255	11,985	39,240
Total	785,369	202,389	987,758

B. MARINE MUNICIPAL FISH CATCH BY MAJOR FISH SPECIES AND FISHING GEARS, CY 1995 (IN MT)

Major Species	Hook & Line	Ringnet	Major Fishing Gears			Total	% to Total
			Fish Corral	Gillnet	Others		
1. Pusit (Squid)	7,407	223	1,394	14,857	19,420	43,309	5.5
2. Fimbriated Sardines (Tunsoy)	1,640	1,765	1,672	33,187	4,999	43,263	5.5
3. Frigate Tuna (Tulingan)	20,171	3,385	1,561	7,462	9,780	42,359	5.4
4. Anchovies (Dilis)	265	2,576	3,858	7,072	28,137	41,908	5.3
5. Indian Sardines (Tamban)	2,377	11	391	15,901	13,922	32,602	4.2
6. Yellowfin Tuna (Tambakol)	25,505	78	58	1,658	3,004	30,303	3.9
7. Blue Crabs (Alimasag)	21	38	838	16,695	10,349	27,941	3.6
8. Indian Mackerel (Alumahan)	1,919	1,673	197	19,939	3,881	27,609	3.5
9. Big-Eyed Scad (Matangbaka)	16,743	614	388	4,363	1,895	24,003	3.1
10. Roundscad (Galunggong)	4,620	6,219	83	6,901	6,132	23,955	3.1
11. Others	106,834	23,934	20,616	129,966	166,755	448,117	57.1
Total	187,502	40,516	31,056	258,021	268,274	785,369	100.0
% to Total	23.9	5.2	4.0	32.9	34.2	100.0	

**C. MARINE MUNICIPAL FISHERY PRODUCTION
BY FISHING GROUND, 1995 (in mt)**

	Fishing Ground	Total	% to Total
1	East Sulu Sea	53,565	6.82
2	Visayan Sea	41,725	5.31
3	Tanon Strait	36,689	4.67
4	Surigao Strait	29,526	3.76
5	Murcielagos Bay	26,452	3.37
6	Imuruan Bay	23,945	3.05
7	Dumaguilas Bay	23,330	2.97
8	Lamon Bay	23,317	2.97
9	Basilan Strait	22,968	2.92
10	Ilana Bay	21,245	2.71
11	Guimaras Strait	17,151	2.18
12	Ticao Pass	17,138	2.18
13	Panay Gulf	16,922	2.15
14	Tayabas Bay	16,606	2.11
15	Davao Gulf	14,479	1.84
16	South Sulu Sea	13,626	1.73
17	Cuyo Pass	13,315	1.70
18	West Palawan Water	13,306	1.69
19	Bohol Sea	13,121	1.67
20	Cebu Strait	13,065	1.66
21	Manila Bay	11,649	1.48
22	Lingayan Gulf	11,592	1.48
23	San Miguel Bay	11,121	1.42
24	Malampaya Sound	9,697	1.23
25	Sibuguey Bay	9,623	1.23
26	Taytay Bay	6,093	0.78
27	Ragay Gulf	6,024	0.77
28	Panguil Bay	5,544	0.71
29	Butuan Bay	4,736	0.60
30	Samar Sea	4,697	0.60
31	Balayan Bay	3,598	0.46
32	Moro Gulf	2,132	0.27
33	Others	247,372	31.50
	Total	785,369	100.00

**D. NUMBER OF MUNICIPAL FISHING BANCAS,
BY REGION**

Region	1980 5/			1985 10/		
	Total	Moto- rized	Non-Moto- rized	Total	Moto- rized	Non-Moto- rized
NCR	3,223	2,463	760	3,553	3,046	507
I	10,894	5,258	5,636	12,720	7,519	5,201
II	6,479	999	5,480	3,085	1,138	1,947
III	16,365	9,378	6,987	21,433	13,685	7,748
IV	53,323	22,290	31,033	54,617	32,232	22,385
V	39,739	10,727	29,012	49,303	18,563	30,740
VI	27,524	8,788	18,736	28,327	12,882	15,445
VII	48,263	9,203	39,060	64,740	21,286	43,454
VIII	43,416	7,598	35,818	40,702	10,782	29,920
IX	44,489	10,088	34,401	113,459	37,208	76,251
X	26,775	7,028	19,747	20,370	9,288	11,082
XI	24,387	7,868	16,519	35,174	18,883	16,291
XII	22,961	3,402	19,559	16,912	7,464	9,448
TOTAL	367,838	105,090	262,748	464,395	193,976	270,419
Percent	100%	29%	71%	100%	42%	58%

COMMERCIAL FISHERIES FISH PRODUCTION, 1995

(Fishing in the offshore waters with the use of
fishing vessels more than 3 gross tons.)

**B. COMMERCIAL FISH CATCH BY MAJOR FISH SPECIES
AND FISHING GEARS, CY 1995 (IN MT)**

Major Species	Major Fishing Gears					Total	% to Total
	Purse Seine	Ringnet	Trawl	Bagnet	Others		
1. Roundscad (Galunggong)	165,820	31,622	5,138	27,505	6,906	236,991	25.6
2. Indian Sardines (Tamban)	106,328	25,291	5,052	16,979	1,914	155,564	16.8
3. Skipjack (Gulyasan)	61,146	24,742	12	57	4,127	90,084	9.7
4. Eastern Little Tuna (Oceanic Bonito)	2,675	44,576	41	100	241	47,633	5.1
5. Frigate Tuna (Tulingan)	19,971	16,433	121	2,895	6,647	46,067	5.0
6. Slipmouth (Sapeap)	1,799	2,712	14,328	1,911	15,151	35,901	3.9
7. Fimbriated Sardines (Tunsoy)	14,228	6,020	5,860	3,857	3,547	33,512	3.6
8. Yellow Tuna (Tambakol)	18,641	977	23	47	11,180	30,868	3.3
9. Anchovies (Dilife)	1,283	6,875	3,393	14,114	3,943	29,608	3.2
10. Indian Mackerel (Alumahan)	13,751	2,656	818	2,458	3,354	23,037	2.5
11. Others	53,587	17,427	31,303	7,968	87,337	197,619	21.3
Total	459,229	179,331	66,089	77,891	144,347	926,887	100.0
% to Total	49.5	19.3	7.1	8.4	15.6	100.0	

**A. COMMERCIAL FISHERIES PRODUCTION,
BY REGION, 1995 (in mt)**

Region	Marine Commercial
NCR	276,888
CAR	0
I	1,386
II	4,164
III	8,159
IV	99,979
V	19,668
VI	121,590
VII	53,949
VIII	25,624
IX	172,669
X	55,316
XI	46,706
XII	4,916
XIII	4,692
ARMM	31,181
TOTAL	926,887

**C. COMMERCIAL FISHERY PRODUCTION
BY FISHING GROUND, 1995 (in mt)**

Fishing Ground	Total	% to Total
1. West Palawan Waters	187,728	20.25
2. South Sulu Sea	180,532	19.48
3. Visayan Sea	120,267	12.98
4. Moro Gulf	83,352	8.99
5. Bohol Sea	69,816	7.53
6. Lamon Bay	55,325	5.97
7. International Waters	44,140	4.76
8. Guimaras Strait	25,602	2.76
9. Manila Bay	25,046	2.70
10. Samar Sea	24,163	2.61
11. Sibuyan Sea	20,065	2.16
12. East Sulu Sea	18,994	2.05
13. Tayabas Bay	17,140	1.85
14. Cuyo Pass	10,288	1.11
15. West Sulu Sea	9,975	1.08
16. Camotes Sea	7,648	0.83
17. Ragay Gulf	6,786	0.73
18. Leyte Gulf	6,001	0.65
19. Davao Gulf	5,826	0.63
20. Babuyan Channel	4,164	0.45
21. Lingayen Gulf	1,491	0.16
22. Lagonoy Gulf	1,412	0.15
23. Batangas Coast	672	0.07
24. Mindanao Waters (Pacific Side)	454	0.05
Total	926,887	100.00

**D. NUMBER OF COMMERCIAL FISHING VESSEL
BY REGION, 1994**

Region	Number	Gross Tonnage
I	59	1,227
II	168	1,327
III	298	4,815
IV *	1,224	139,003
V	145	4,251
VI	759	33,890
VII	116	3,068
VIII	260	3,236
IX	296	3,923
X	49	1,150
XI	602	19,449
XII	3	122
ARMM	35	629
Total	4,014	216,090

* Includes Commercial Fishing Boat Licensed by BFAR

EXTERNAL TRADE

A. EXPORTS ^{6/}

1. Export of Fish and Fishery Products By Kind, Quantity and Value, 1995

	Quantity (MT)	FOB Value (000 P)	(000 \$)
1. Fish Crustaceans, Mollusks, Etc. and Preparation	128,340	13,016,446	503,532
a. Fish fresh (live or dead) chilled or frozen	41,497	2,185,166	84,565
b. Fish, dried, salted or in brine, smoked fish	493	54,857	2,101
c. Crustaceans, mollusks and aquatic invertebrates	34,498	7,518,637	290,957
d. Fish and other aquatic invertebrate, prepared/ preserved	51,852	3,257,786	125,909
2. Shells and By-Products	2,387	467,380	18,077
3. Miscellaneous and Other Fishery Products	39,019	2,172,977	84,419
GRAND TOTAL	169,746	15,656,803	606,028

2. Major Fishery Exports in Terms of Value, CY 1995

Commodity/Kind	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
1. Shrimp/prawn	18,257	5,653,056	218,652
Fresh/chilled/frozen	17,879	5,563,982	215,173
Other than frozen	360	86,879	3,395
Prepared/preserved	18	2,195	84
2. Tuna	68,886	4,137,467	159,919
Frozen	22,146	1,260,987	48,772
Smoked	2	798	29
Canned Tuna	46,738	2,875,682	111,118
3. Seaweeds	38,246	2,136,658	83,006
Seaweeds & other Algae, nes	28,921	1,009,983	39,106
Seaweeds & algae for food	68	7,006	275
Carrageenan	8,590	1,115,036	43,446
Kelp powder	667	4,634	180
4. Cuttlefish/squid	3,573	627,368	24,272
Fresh/chilled	18	1,305	51
Frozen/dried/salted	3,538	624,006	24,142
Prepared/preserved	17	2,057	79

Commodity/Kind	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
5. Octopus	6,738	567,910	22,010
Fresh/chilled			
Frozen/dried/salted	6,738	567,910	22,010
6. Ornamental fish, live	6,399	226,996	8,808
7. Crabs	1,850	192,057	7,452
Frozen	1,850	192,029	7,451
Other than frozen	n	27	1
8. Fish fillet	1,068	187,879	7,276
Fresh/chilled	963	172,764	6,686
Frozen	105	15,115	590
9. Cultured pearls, worked	n	164,159	6,341
10. Worked capiz shells and articles (inclgd articles obtained by molding), (GK)	537	129,828	5,022
Total major commodities	145,554	14,023,378	542,758
Total of other commodities	24,192	1,633,425	63,270
Grand Total	169,746	15,656,803	606,028

3. Major Fishery Exports by Country of Destination, CY 1995

Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
1. Shrimp/Prawn	18,257	5,653,056	218,652
Japan	13,818	4,442,998	171,881
U S A	1,917	505,463	19,507
Korea	1,455	421,071	16,339
Others	1,167	283,524	10,925
2. Tuna	68,886	4,137,467	159,919
Japan	21,556	1,318,706	50,993
U S A	14,634	915,336	35,333
Canada	6,340	420,709	16,314
Others	26,356	1,482,716	57,279
3. Seaweeds	38,246	2,136,658	83,006
U S A	4,227	343,705	13,335
France	8,411	324,883	12,602
United Kingdom	3,453	283,806	11,035
Others	22,155	1,184,264	46,034
4. Cuttlefish/Squid	3,573	627,368	24,272
Japan	2,617	510,303	19,733
Hongkong	509	72,910	2,823
U S A	310	30,890	1,197
Others	137	13,265	519

Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
5. Octopus	6,738	567,910	22,010
		467,540	
U S A	4,193	355,760	13,808
Puerto Rico	861	74,739	2,877
Japan	481	37,041	1,447
Others	1,203	100,370	3,878
6. Ornamental Fish	6,399	226,996	8,808
U S A	3,034	114,913	4,462
Japan	1,298	44,603	1,730
Taiwan	612	22,626	876
Others	1,455	44,854	1,740
7. Crabs	1,850	192,057	7,452
Hongkong	1,085	115,065	4,456
Singapore	300	30,419	1,189
Thailand	239	23,694	922
Others	226	22,879	885
8. Fish Fillet	1,068	187,879	7,276
Japan	873	156,470	6,060
Hongkong	125	21,201	820
U S A	39	5,667	219
Others	31	4,541	177

Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
9. Cultured Pearls	n	164,159	6,341
Japan	n	63,193	2,440
Hongkong	n	99,246	3,836
U S A	n	910	33
Others	n	810	32
10. Worked Capiz Shells and Articles	537	129,828	5,022
U S A	118	43,358	1,672
Germany	91	25,468	986
United Kingdom	94	13,847	534
Others	234	47,155	1,830
Total Major Commodities	145,554	14,023,378	542,758
Total Other Commodities	24,192	1,633,425	63,270
Grand Total	169,746	15,656,803	606,028

4. EXPORTS OF FISH AND FISHERY PRODUCTS
 BY MAJOR COUNTRY OF DESTINATION,
 IN TERMS OF VALUE, 1995

Country/Destination	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
Japan	46,006	7,132,209	275,972
U S A	31,344	2,556,821	98,888
Hongkong	11,953	799,136	30,944
United Kingdom	9,982	678,005	26,345
Germany	9,271	612,132	23,728
Korea	5,256	607,312	23,570
Canada	7,357	558,141	21,616
France	8,592	337,752	13,100
South Africa	4,157	265,656	10,192
Taiwan	3,681	238,783	9,263
Total Major Countries	137,599	13,785,947	533,618
Other Countries	32,147	1,870,856	72,410
Grand Total	169,746	15,656,803	606,028

Major Fisheries Export in Terms of Value, 1995

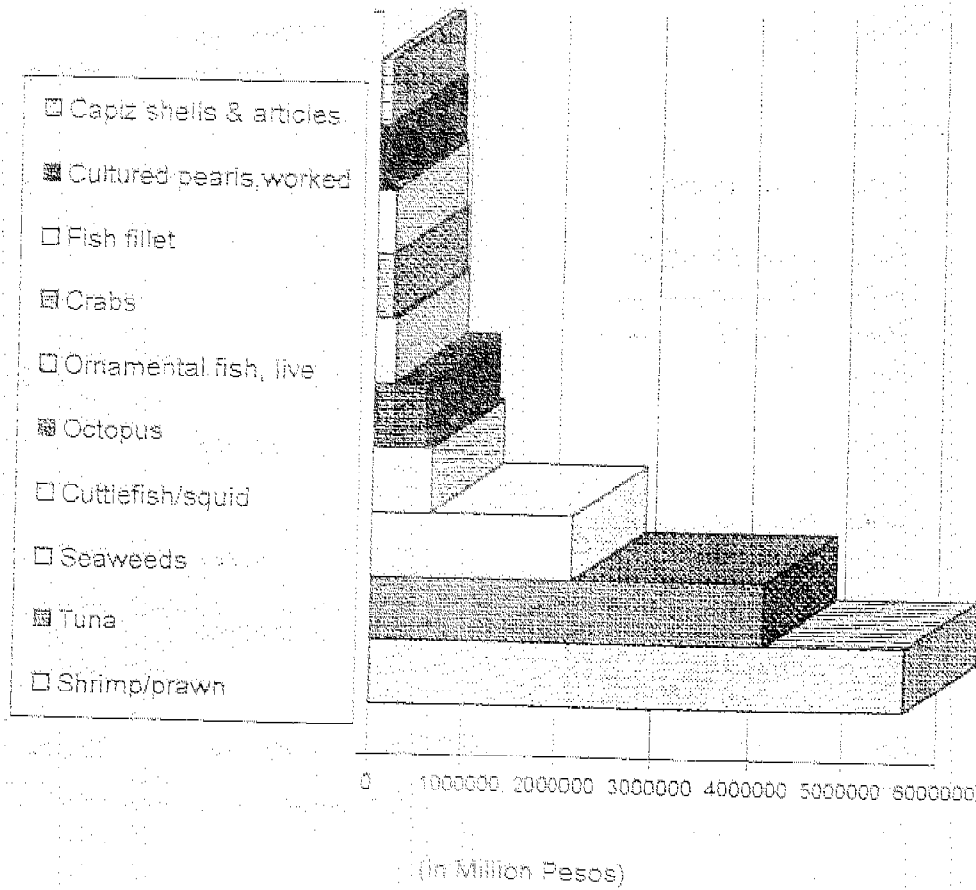


Figure 5

B. IMPORTS ^{6/}

1. Imports of Fish and Fishery Products By Kind, Quantity and Value, 1995

Commodity	Quantity (MT)	FOB Value (000 P)	(000 \$)
Fresh/Frozen/Chilled	132,875	1,402,445	53,052
Flour, Meals & Pellets of Fish Crustaceans and Mollusks Unfit for Human Consumption	127,466	1,317,264	51,226
Canned	2,466	88,728	3,403
Salted, Dried, Smoked, etc.	22	4,754	183
Other Commodities	7,384	110,399	4,280
GRAND TOTAL	270,213	2,923,590	112,144

2. Major Fishery Imports in Terms of Value, 1995

COMMODITY/KIND	QUANTITY (MT)	FOB VALUE (000 P)	FOB VALUE (000 \$)
1. Chilled frozen fish	132,203	1,377,734	52,064
a) Tuna	54,843	878,829	32,596
Papua New Guinea	17,129	284,571	9,989
Trust Territory . . .	16,261	289,530	10,219
Others	21,453	304,728	12,388
b) Sardines	17,409	108,133	4,180
U S A	11,438	71,022	2,747
Others	5,971	37,111	1,433
c) Mackerel	59,951	390,772	15,288
Taiwan	16,942	91,281	3,571
Korea	10,108	80,338	3,181
Others	32,901	219,153	8,536
2. Fish Meal	127,466	1,317,265	51,227
Peru	105,014	1,035,979	40,348
U S A	13,344	146,905	5,667
Others	9,108	134,381	5,212
Total major imports	259,669	2,694,999	103,291
Other Commodities	10,544	228,591	8,853
Grand Total	270,213	2,923,590	112,144

3. Fishery Imports, By Major Country Of Origin In Terms of Value, 1995

Major Countries	QUANTITY (MT)	FOB VALUE (000 P)	FOB VALUE (000 \$)
Peru	105,178	1,038,433	40,444
U S A	32,600	343,049	13,322
Trust Territory . . .	16,262	289,531	10,221
Papua New Guinea	17,129	281,571	9,990
Taiwan	24,233	203,565	7,888
Korea	13,409	123,595	4,839
Indonesia	7,244	107,784	4,201
Japan	9,339	97,402	3,852
Morocco	13,623	78,612	3,007
Singapore	4,213	37,786	1,468
Total major countries	243,230	2,601,328	99,232
Other Countries	26,983	322,262	12,912
Grand Total	270,213	2,923,590	112,144

OTHER FISHERY INDUSTRY INFORMATION

FOOD CONSUMPTION

A. Per Capita Food Consumption, Kilogram/ Year and Gram/Day: Philippines, 1993 12/

Food Group/Subgroup	Consumption (Raw, As Purchased) *		% of Total Food Intake
	kg/year	g/day	
Cereals and Cereal Products	124	340	42.3
Rice and Products	103	282	35.1
Corn and Products	13	36	4.5
Other Cereals and Products	8	22	2.7
Starchy Roots and Tubers	6	17	2.1
Sugar and Syrups	7	19	2.4
Fats and Oils	4	12	1.5
Fish, Meat and Poultry	54	147	18.3
Fish and Products	36	99	12.3
Meat and Products	12	34	4.2
Poultry	5	14	1.7
Eggs	4	12	1.5
Milk and Milk Products	16	44	5.5
Whole Milk	13	35	4.4
Milk Products	3	9	1.1
Dried Beans, Nuts and Seeds	4	10	1.2
Vegetables	39	106	13.2
Green Leafy and Yellow Vegetables	11	30	3.7
Other Vegetables	28	76	9.5
Fruits	28	77	9.6
Vitamin C-Rich Fruits	8	21	2.6
Other Fruits	20	56	7
Miscellaneous	7	19	2.4
Beverages	3	9	1.1
Condiments and Others	4	11	1.4

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

**B. Per Capita Food Consumption (As Purchased Form)
of Fish and Other Products, as of 1987 (Kg/Year) ^{13/}**

Food Group/Subgroup		Total (Kg/Year)
1.	FISH	40
1.1	Fresh Fish	25
	Tulingan (Frigate Tuna)	4
	Bangus (Milkfish)	2
	Galunggong (Roundscad)	4
	Dilis, Buo (Anchovy)	1
	Alumahan (Indian Mackerel)	1
	Tamban (Sardines)	1
	Dalagang Bukid (Fusilier)	1
	Sapsap (Slipmouth)	n
	Bisugo (Threadfin Bream)	1
	Tilapia (Cichlid)	1
	Others	9
1.2	Dried Fish (as fresh fish)	4
1.3	Processed Fish *	4
	Bagoong (as fresh fish)	1
	Patis	n
	Canned Fish (sardines, Mackerel, salmon, etc.)	1
	Smoked fish (all tinapa type)	1
	Others (as fresh fish)	n
1.4	Crustaceans and Mollusks	7
	Shrimp (all type)	1
	Others (fresh)	5
	Dried and Processed (as fresh)	n
	Bagoong (as fresh)	1

* Breakdown don't add up to total due to roundings less than .05 grams or .05 kilograms.

C. Per Capita Food Consumption of Other Food as of 1987

Food Group/Subgroup	Total (Kg/Year)
2.1 Dairy	15.7
2.2 Poultry Meat	3.3
2.3 Eggs	3.7
2.4 Fresh Meat	9.9
Pork	7.3
Beef	1.8
Carabeef	0.4
Others	0.4
2.5 Organ Meat	1.5
Pig	0.7
Chicken and Other Poultry	0.4
Processed Organ meat	0.4
2.6 Processed Meat	2.2
Popular Processed Meat (as fresh meat)	1.5
Other Cooked/Canned (as fresh meat)	0.7

D. Productive Area in Aquaculture Fisheries by Type of Culture, by Region, 1995 * 71

Area: Hectares

Region	Total Aquaculture	Fishpond		Fishpen in Fresh & Marine Water	Fishcage in Fresh & Marine Water	Mariculture		
		Brackish Water	Fresh Water			Oyster	Mussel	Seaweed
NCR	4,395.30	4182	0.00	196.88	3.53		12.89	
CAR	112.22	0	65.03		47.19			
I	9,619.00	8726	797.46	1.35	2.00	92.19		
II	1,874.68	1367	490.32		12.87	4.49		
III	38,884.44	34368	4,427.44	5.06	32.28	51.66		
IV	14,668.48	10168	73.39	3,992.38	365.23	8.13	24.81	36.54
V	6,312.59	5433	25.37		541.04	0.24	30.92	282.02
VI	29,862.23	29393	84.03		0.37	58.20	283.26	43.37
VII	6,083.15	5689	10.59			2.15	0.10	381.31
VIII	2,469.42	2433	5.29				28.22	2.91
IX	29,286.66	27304	15.04	5.86		9.84	0.78	1,951.15
X	932.92	919	11.91		0.01			2.00
XI	6,002.04	5299	316.91	4.15	354.92	1.09		25.97
XII	3,518.23	3338	176.23				0.25	3.75
XIII	3,524.56	3501	20.03		0.15			3.38
ARMM	4,688.62	1077	3.67	0.15	9.36			3,586.44
TOTAL	162,234.54	143,197	6,522.71	4,205.83	1,368.95	227.98	381.22	6,330.84

* This refers to the area being utilized during the reference period.

FOOTNOTES

Sources of Data:

- 1/ 1984 Philippine Forestry Statistics
- 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 as of May, 1996
National Statistical Coordination Board (NSCB)
- 4/ 1987 Fisheries Statistics, Bureau of Fisheries and Aquatic Resources (BFAR)
- 5/ 1980 Census of Fisheries
- 6/ National Statistics Office (NSO)
- 7/ Fisheries Statistics Section, BAS
- 8/ Bureau of Fisheries and Aquatic Resources (BFAR) for 1986 and 1987 data and Bureau of Agricultural Statistics (BAS) for 1988-1995
- 9/ Lakes and Reservoirs, State of the Art Series, report no. 1, PCARRD.
- 10/ Regional Fish Expanded Program and Provincial Fisheries Data
- 11/ International Licenses Division, BFAR
- 12/ Department of Science & Technology (DOST)
Fourth National Nutrition Survey, Phil. 1993
- 13/ Based on the Third National Nutrition Survey conducted by the Food and Nutrition Research Institute (FNRI) in 1987