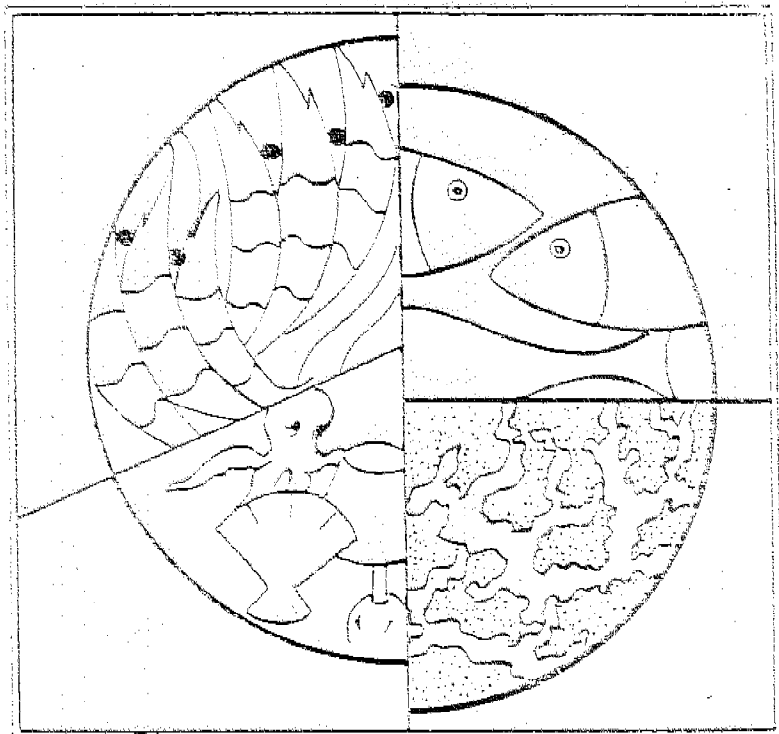


# 1993 PHILIPPINE FISHERIES PROFILE



Republic of the Philippines  
Department of Agriculture  
**Bureau of Fisheries and Aquatic Resources**  
360 Quezon Ave., Quezon City, Metro Manila, 1009



## FOREWORD

The Bureau of Fisheries and Aquatic Resources (BFAR) comes up with Philippine Fisheries Profile (PFP) annually. This reference material is prepared by the staff of Fisheries Policy Research and Economics Division (FPRED) 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 annual data presented in this publication were based on extensive summary of statistical information compiled from 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).

The data appearing in this publication include the more recent statistics available, and are presented on the national and regional level.

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 full.

  
GUILLERMO L. MORALES  
Director

## HIGHLIGHTS

1. The Philippines ranked 11th among the largest fish producers of the world as published in FAO Yearbook 1991.
2. The Philippines was the 2nd biggest producer of tuna and tuna-like fishes in the Indian Ocean and Southeast Asia Region in 1991; Indonesia and Thailand ranked 1st and 3rd, respectively.
3. The fishing industry accounted for 3.9% (P56.9 B) and 4.4% (P32.6 B) of the country's Gross Domestic Product (GDP) at current and constant prices, respectively. It also accounted for 18% of the Gross Value Added (GVA) of P317.9 B in the Agriculture, Fishery and Forestry Sector at current prices. It had the largest share next to agricultural crops.
4. The fishing industry provided livelihood to about one million individuals, or 5% of the country's labor force and their dependents. In aquaculture fisheries, about 26% (258,480 fishfarmers) are engaged in the different culture methods: municipal fisheries contributed 68% (675,677 fisherfolks) and commercial fisheries, 6% (56,715 fishermen and dependents).
5. The annual growth rates achieved by Philippine fisheries from 1984 to 1993 were, on the average, 2.7% in quantity and 11.8% in value.
6. Total fish production for 1993 was 2.647 M metric tons, valued at P70.269 B, registering a slight increase of 0.84% and 7.37% in quantity and value, respectively.
7. Production was mainly contributed by municipal capture fisheries with 39%, with commercial fisheries and the aquaculture sector sharing 32% and 29%, respectively.

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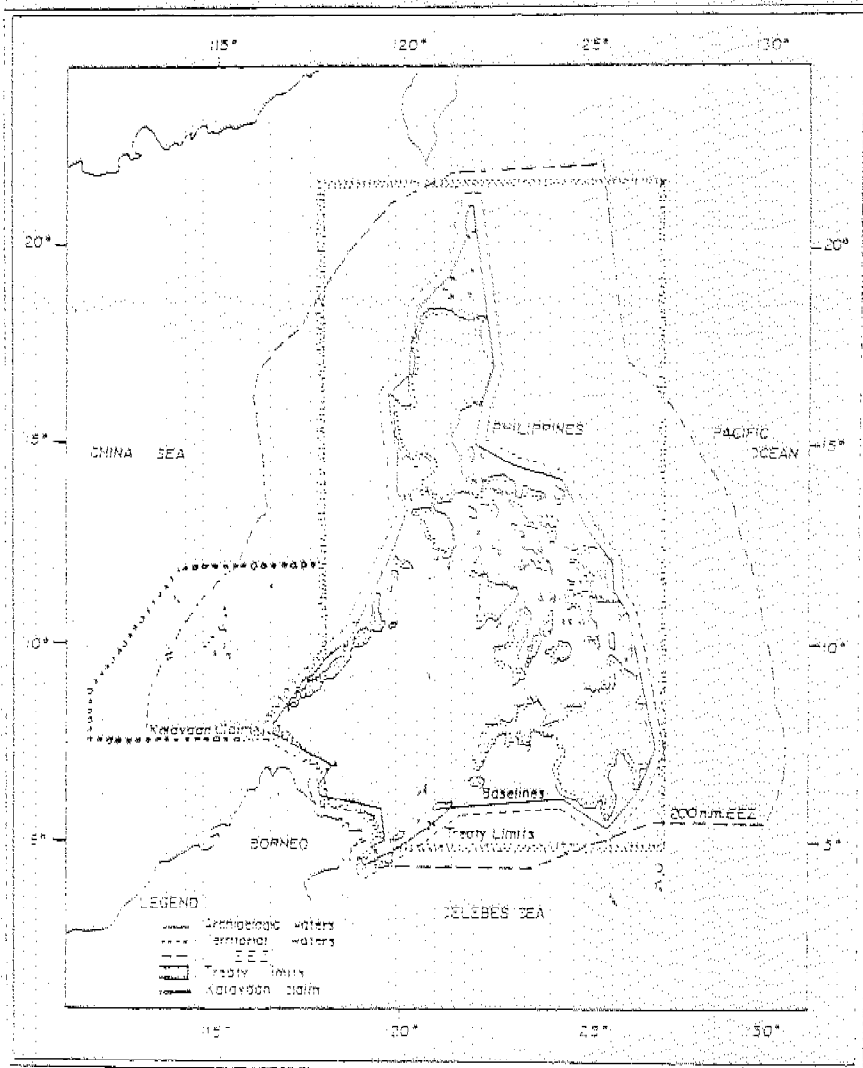
FISHERY RESOURCES

FISHERIES CONTRIBUTION TO ECONOMY



FIGURE I

PHILIPPINE MARINE JURISDICTIONAL BOUNDARIES



**PHILIPPINE FISHERIES PROFILE  
AS OF DECEMBER 1993**

**I. FISHERY RESOURCES**

**A. Marine Resources**

1. Total Territorial Water Area (including the EEZ)
  - 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.

**Inland Resources**

- B.**
1. Swamplands 1/
    - a. Freshwater 106,328 ha.
    - b. Brackishwater 202,065 ha.
  2. Existing Fishpond
    - 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

### A. Fisheries Contribution to Total GDP 3/

1. At Current Prices 3.90 %
2. At Constant Prices 4.45 %

### 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.)	174,287	54.3	89,665	53.7
2. Livestock	39,441	12.4	17,996	10.8
3. Poultry	27,186	8.6	14,845	8.9
4. Agricultural activities & services	14,503	4.6	8,214	4.9
5. Fishery	56,931	17.9	32,536	19.6
6. Forestry	5,570	1.8	3,497	2.1
TOTAL	317,918	100.0	166,353	100.0

C. Employment

1. Aquaculture	258,480	persons
2. Municipal	575,677	persons
3. Commercial	56,715	persons
<b>TOTAL</b>	<b>990,872</b>	<b>persons</b>

D. Balance of Trade 4/

	1993			1992		
	Quantity (mt)	FOB Value (P.M)	(\$ M)	Quantity (mt)	FOB Value (P.M)	(\$ M)
Fishery Exports	163,744	14,074	517.7	101,915	11,596.0	433.0
Fishery Imports	208,395	2,249	82.0	221,545	2,496.0	95.2
Balance of Trade	(45,151)	11,825	435.7	(89,630)	8,594.0	343.1

E. Total Fish Production by Sector, 1993 57

	Quantity (000 MT)	%	Value (P B)	%
1. Aquaculture	772 <del>771</del>	29.0	30.0	42.9
2. Municipal Fisheries	1,030 <del>1,010</del>	39.0	22.0	31.4
3. Commercial Fisheries	845 <del>885</del>	32.0	18.0	25.7
TOTAL	2,647	100.0	70.0	100.0

26.86

81,229

F. Fish Production, by Sector and by Region, 1993 (in MT)

Region	Total	Commercial	Municipal	Aquaculture
NCR	249,999	233,699	7,315	8,985
CAR	2,148	-	114	2,034
I	50,035	2,444	21,184	26,427
II	22,182	3,914	15,506	2,762
III	115,317	5,573	14,646	95,098
IV	480,704	60,215	323,345	77,144
V	99,352	21,035	62,043	16,274
VI	426,053	160,453	166,162	99,438
VII	182,020	63,578	33,608	84,834
VIII	72,679	31,583	27,285	13,801
IX	672,794	159,300	206,326	307,168
X	95,735	28,578	62,270	4,887
XI	130,109	45,318	59,208	25,583
XII	47,960	3,211	34,002	10,747
<b>TOTAL</b>	<b>2,647,787</b>	<b>845,431</b>	<b>1,030,274</b>	<b>772,082</b>

G. Fish Production, by Sector 1984-1993

1. Volume of Fish Production (in metric tons)

Year	Aquaculture	Municipal	Commercial	Total
1993	772,082	1,030,274	345,431	2,547,787
1992	736,381	1,084,360	304,366	2,525,607
1991	692,401	1,146,765	759,315	2,598,981
1990	671,116	1,131,366	700,564	2,503,546
1989	629,345	1,104,326	637,138	2,371,109
1988	599,554	1,070,195	599,995	2,269,744
1987	560,970	1,060,378	591,192	2,213,040
1986	470,393	1,072,361	546,230	2,089,484
1985	494,742	1,045,382	511,987	2,052,111
1984	477,387	1,069,046	513,335	2,080,268

2. Value of Fish Production (in million pesos)

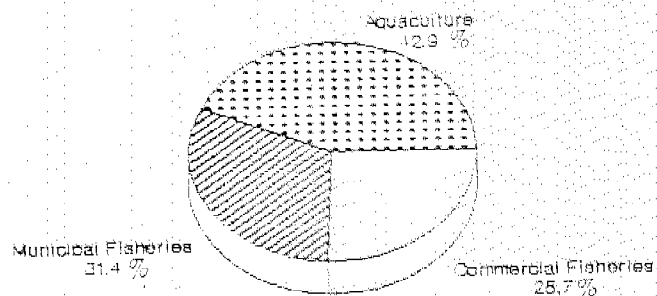
Year	Aquaculture	Municipal	Commercial	Total
1993	30,508	22,186	18,365	70,269
1992	25,986	22,656	16,001	65,443
1991	22,656	22,133	15,245	60,034
1990	20,467	19,000	12,411	52,178
1989	15,673	18,388	11,033	45,094
1988	15,213	16,633	10,272	42,118
1987	11,314	16,108	9,821	37,243
1986	10,832	17,251	9,248	37,331
1985	8,724	14,716	7,357	31,297
1984	7,266	11,363	6,521	25,350

H. Five Year Fish Production, Trend 1989-1993

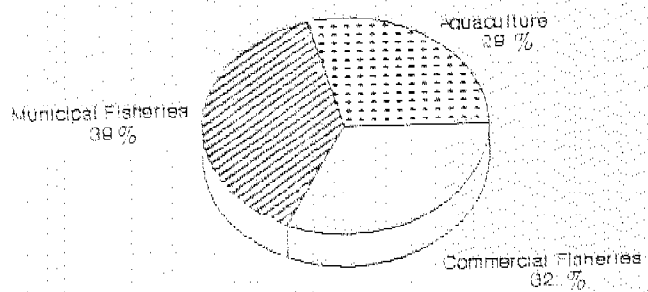
Year	Quantity (MT)	% Increase/ (Decrease)	Value (000 P)	% Increase (Decrease)
1993	2,647,787	0.34	70,269,004	7.4
1992	2,625,607	1.0	65,443,532	9.0
1991	2,598,981	3.8	60,003,289	15.1
1990	2,503,543	5.3	52,177,157	15.7
1989	2,371,109	4.5	45,093,712	7.1



# TOTAL FISH PRODUCTION, 1993 BY SECTOR

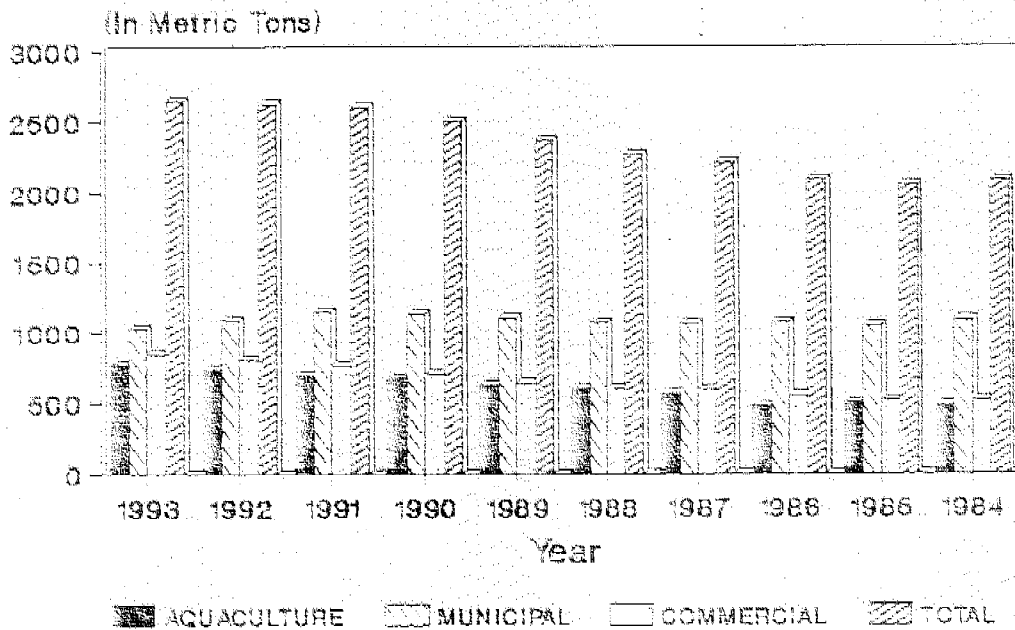


VALUE (P 9)



QUANTITY (MT)

# PHILIPPINE FISH PRODUCTION by Sector (1984-1993)



## AQUACULTURE FISH PRODUCTION BY REGION. 1993

THIS INCLUDES ITS THREE SUB-SECTORS NAMELY:

- 1) BRACKISHWATER CULTURE FOR FISHPONDS
- 2) FRESHWATER CULTURE FOR FISHPEN, FISHCAGE AND FISHPOND; AND
- 3) MARICULTURE FOR OYSTER, MUSSEL AND SEaweeds.

A. SUMMARY OF AQUACULTURE PRODUCTION BY TYPE OF CULTURE  
BY REGION, 1983 (IN METRIC TONS)

Region	Total Aqua- culture	Brackish- water Fishpond	Fresh- water (Fresh and Marine water)			
			Fishpond	Fishpen	Fishcage	Mariculture
NCR	3,985	4,196	0	2,301	372	1,616
CAR	2,034	0	457	0	1,577	0
I	26,427	10,686	2,357	1	*	9,983
II	2,762	225	1,911	0	626	0
III	95,598	54,207	37,979	9	360	2,543
IV	77,144	16,235	1,405	26,684	17,285	15,535
V	16,774	5,154	239	0	10,014	1,367
VI	99,438	92,075	774	0	4	6,585
VII	38,134	12,335	21	0	2	75,776
VIII	13,301	2,083	26	42	51	11,629
IX	306,638	9,405	212	124	7	296,890
X	4,387	4,060	339	3	*	280
XI	25,383	17,611	1,893	52	4,398	1,119
XII	3,347	3,379	315	5	0	147
<b>TOTAL</b>	<b>772,022</b>	<b>234,661</b>	<b>48,628</b>	<b>29,737</b>	<b>35,696</b>	<b>423,370</b>

**B. AQUACULTURE PRODUCTION BY SUB SECTORS.  
BY SPECIES AND BY REGION, 1993**

1. Production from Brackishwater Fishpond (in mt)

Region	Total	Bangus	Sugpo	Endeavor Prawn	Others *
NCR	4,196	3,844	341	0	11
CAR	0	0	0	0	0
I	13,686	11,195	1,619	5	867
II	225	77	14	11	123
III	54,207	31,953	10,496	762	10,996
IV	16,235	13,822	2,326	21	66
V	5,154	2,345	1,271	53	985
VI	92,075	66,184	25,153	1,584	174
VII	12,335	7,906	4,305	70	51
VIII	2,083	1,488	44	0	151
IX	9,405	5,737	3,248	31	389
X	4,060	1,339	2,710	0	11
XI	17,611	3,375	1,550	8,970	716
XII	3,379	945	2,419	0	15
<b>TOTAL</b>	<b>234,651</b>	<b>124,510</b>	<b>86,096</b>	<b>9,490</b>	<b>14,555</b>

Others :

Tilapia (7,944)

White Shrimp (230)

Grouper (709)

Sea Bass (14)

Spadefish (2)

Siganid (3)

Mudcrab (5,653)

2. Production from Freshwater Fishponds, 1993 (in mt)

Region	Total	Tilapia	Catfish	Others
NCR	0	0	0	0
CAR	457	452	4	1
I	2,357	2,756	38	53
II	1,911	1,847	42	22
III	37,979	37,545	88	346
IV	1,405	1,396	3	1
V	339	337	0	2
VI	774	767	2	5
VII	21	19	0	2
VIII	26	21	0	5
IX	212	210	0	2
X	539	538	0	1
XI	1,393	1,389	0	4
XII	315	216	10	89
<b>TOTAL</b>	<b>48,628</b>	<b>47,893</b>	<b>192</b>	<b>543</b>

\* Others

Carp (74)

Mudfish (353)

Gurami (53)

Not Specified (42)

3. Production from Fishpen, 1993  
 Fresh and Marine Waters (in mt)

Region	Total	Bangus	Tilapia	Others
NCR	2,801	2,465	21	315
CAR	0	0	0	0
I	1	0	*	1
II	0	0	0	0
III	9	0	9	*
IV	26,684	21,938	4,736	10
V	0	0	0	0
VI	0	0	0	0
VII	0	0	0	0
VIII	42	0	42	0
IX	124	0	115	9
X	3	0	0	3
XI	52	46	16	*
XII	6	6	0	0
TOTAL	29,737	24,455	4,939	343

\* less than one metric ton

4. Production from Fish Cages, 1993  
 Fresh and Marine Waters (in mt)

Region	Total	Tilapia	Catfish	Grouper	Others
NCR	372	372	0	0	0
CAR	1,577	1,538	39	0	0
I	*	*	0	*	0
II	626	626	0	0	0
III	360	360	0	0	0
IV	17,285	17,255	30	0	0
V	10,014	10,014	0	0	0
VI	4	0	0	2	2
VII	2	0	0	2	0
VIII	51	0	0	51	0
IX	7	0	0	7	0
X	*	0	0	*	0
XI	4,898	4,898	0	0	0
XII	0	0	0	0	0
<b>TOTAL</b>	<b>35,696</b>	<b>35,563</b>	<b>69</b>	<b>62</b>	<b>2</b>

\* less than one metric ton



5. Production from Mariculture, 1993 (in mt)

Region	TOTAL	Oyster	Mussels	Seaweeds
NCR	1,616	0	1,616	0
CAR	0			0
I	9,383	9,383	0	0
II	0		0	0
III	2,543	2,543	0	0
IV	15,535	1,736	10,927	2,976
V	1,367	162	61	1,144
VI	6,585	3,366	1,067	2,152
VII	75,776	122	1	75,653
VIII	11,629	0	11,498	131
IX	296,390	458	0	296,432
X	280	0	0	280
XI	1,119	24	0	1,095
XII	147	0		147
<b>TOTAL</b>	<b>423,370</b>	<b>18,290</b>	<b>25,070</b>	<b>380,010</b>

C. MAJOR SPECIES PRODUCED IN AQUACULTURE, 1993

Species	Quantity (MT)	Percent (%)
Seaweeds	380,010	49.2
Bangus (milkfish)	148,965	19.3
Tilapia (cichlid)	96,339	12.5
Shrimps/Prawns	95,816	12.4
Mussels	25,070	3.2
Others	25,882	3.4
<b>TOTAL</b>	<b>772,082</b>	<b>100.0</b>

D. TEN MAJOR LAKES OF THE PHILIPPINES 61

Name of Lakes	Location	Area (ha)
1. Laguna de Bay	Laguna and Rizal	39,076
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	7,399
6. Lake Buluan	South Cotabato	6,104
7. Lake Bato	Camarines Sur	3,792
8. Lake Pagusi	Agusan	2,802
9. Lake Labas	South Cotabato	2,141
10. Lake Lumao	Agusan	1,886
<b>TOTAL</b>		<b>199,046</b>

**MUNICIPAL FISHERIES FISH PRODUCTION**  
**BY REGION, 1993**

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

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

Region	1980			1985		
	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	12,392	15,935
VII	48,263	9,203	39,060	64,740	21,296	43,444
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	7,368	16,519	35,174	13,383	16,291
XII	22,961	3,402	19,559	16,912	7,464	9,448
<b>TOTAL</b>	<b>367,838</b>	<b>105,090</b>	<b>262,748</b>	<b>464,395</b>	<b>193,976</b>	<b>270,419</b>

**PERCENT**

%      100%      29%      71%      100%      42%      58%

A. MUNICIPAL FISHERIES PRODUCTION, BY REGION, 1993 (in mt)

Region	Marine	Inland	Total
NCR	7,315	-	7,315
CAR	-	114	114
I	19,052	2,112	21,164
II	7,373	7,623	15,506
III	9,412	5,234	14,646
IV	150,667	172,673	323,345
V	66,356	6,087	62,043
VI	153,495	7,667	166,162
VII	30,543	60	30,603
VIII	27,257	3	27,265
IX	205,253	1,068	206,326
X	57,406	4,364	62,270
XI	57,011	1,397	58,208
XII	15,609	13,663	34,002
<b>TOTAL</b>	<b>303,194</b>	<b>227,080</b>	<b>1,000,274</b>

**C. MUNICIPAL FISHERY PRODUCTION  
BY FISHING GROUND. 1993 (in mt)**

Fishing Ground	Total	% to Total
1. East Sulu Sea	68,907	8.58
2. Visayan Sea	59,815	6.70
3. Murcielagos Bay	39,009	4.89
4. Tanon Strait	38,258	4.76
5. Basilan Strait	32,075	4.09
6. Panay Gulf	28,949	3.60
7. Tayabas Bay	23,845	2.97
8. Surigao Strait	22,996	2.86
9. Iliana Bay	20,759	2.58
10. Lamon Bay	20,490	2.55
11. North Eastern Mindanao Waters	20,438	2.54
12. Imuruan Bay	17,298	2.15
13. Raqay Gulf	16,598	2.07
14. South Sulu Sea	16,565	2.06
15. Davao Gulf	15,364	1.91
16. Lingayen Gulf	15,272	1.90
17. Ticao Pass	14,179	1.77
18. Bohol Sea	13,837	1.73
19. Manila Bay	13,245	1.65
20. Sibuquey Bay	13,251	1.65
21. Moro Gulf	13,000	1.62
22. Cuyo Pass	12,702	1.59
23. Balayan Bay	11,181	1.39
24. Dumaguilas Bay	11,159	1.39
25. San Miguel Bay	11,070	1.38
26. Guimaras Strait	10,636	1.32
27. Panguil Bay	9,746	1.21
28. Tavtay Bay	9,464	1.18
29. Malampaya Sound	9,389	1.17
30. West Palawan Waters	9,306	1.16
31. Cebu Strait	9,247	1.15
32. Samar Sea	8,935	1.11
33. Buruan Bay	8,340	1.04
34. Others	162,703	20.26
<b>Total</b>	<b>303,194</b>	<b>100.00</b>

**COMMERCIAL FISHERIES FISH PRODUCTION**  
**BY REGION, 1993**

FISHING IN THE OFFSHORE WATERS WITH THE USE OF FISHING  
VESSELS MORE THAN 3 GROSS TONS

A. COMMERCIAL FISHERIES PRODUCTION, BY REGION, 1993  
(in mt)

Region	Marine Commercial
NCR	233,699
CAR	-
I	2,444
II	3,314
III	5,573
IV	30,215
V	21,005
VI	160,453
VII	63,578
VIII	31,583
IX	159,300
X	23,573
XI	45,319
XII	9,211
<b>TOTAL</b>	<b>845,431</b>



**B. COMMERCIAL FISH CATCH BY MAJOR FISH SPECIES  
AND FISHING GEARS, CY 1993 (IN MT)**

Major Species	Purse Seine	Major Fishing Gears				Total	% to Total
		Ringnet	Trawl	Bagnet	Others		
1. Roundscad (Galunggong)	176,843	35,932	5,443	21,915	5,471	245,504	29.0
2. Indian Sardines (Tamban)	82,926	36,811	2,010	3,449	594	130,790	15.5
3. Frigate Tuna (Tulingan)	22,385	30,115	2	2,376	2,019	56,897	6.7
4. Skipjack (Gulyasan)	34,508	17,295	32	19	3,555	55,409	6.6
5. Fimbriated Sardine (Tunsoy)	29,153	3,136	9,199	3,025	2,522	47,135	5.6
6. Silomouth (Sapsap)	6,799	3,137	13,631	1,216	11,912	36,695	4.3
7. Anchovies (Dilis)	4,270	6,167	4,991	9,779	3,078	29,185	3.3
8. Indian Mackerel (Alumahan)	19,904	2,574	1,560	616	2,692	27,346	3.2
9. Indo-Pacific Mackerel (Hasa-Hasa)	9,210	2,020	2,086	172	3,858	17,346	2.1
10. Yellowfin Tuna (Tampacol)	4,265	1,252	1	626	10,611	16,755	2.0
11. Others	34,998	20,931	48,110	5,896	73,634	183,369	21.7
<b>Total</b>	<b>425,261</b>	<b>159,270</b>	<b>88,965</b>	<b>53,989</b>	<b>120,046</b>	<b>845,431</b>	<b>100.0</b>
<b>% to Total</b>	<b>50.3</b>	<b>18.9</b>	<b>10.3</b>	<b>6.4</b>	<b>14.2</b>	<b>100.0</b>	

**C. COMMERCIAL FISHERY PRODUCTION  
BY FISHING GROUND, 1993 (in mt)**

Fishing Ground	Total	% to Total
1. West Palawan Waters	162,455	19.22
2. Visayan Sea	131,709	15.58
3. South Sulu Sea	130,535	15.44
4. Moro Gulf	115,457	13.66
5. East Sulu Sea	49,356	5.90
6. Bohol Sea	48,794	5.77
7. Lamon Bay	40,314	4.77
8. Guimaras Strait	29,687	3.51
9. Samar Sea	24,013	2.84
10. Manila Bay	20,740	2.45
11. Sibuyan Sea	18,368	2.23
12. Tayabas Bay	13,147	1.56
13. Cuyo Pass	10,680	1.26
14. West Sulu Sea	3,938	1.06
15. Ragay Gulf	3,161	0.93
16. International Waters	7,579	0.90
17. Camotes Sea	7,370	0.87
18. Davao Gulf	5,193	0.61
19. Babuyan Channel	3,982	0.47
20. Lingayen Gulf	2,555	0.30
21. Leyte Gulf	2,022	0.24
22. Batangas Coast	1,459	0.17
23. Lagonoy Gulf	1,432	0.17
24. Mindanao Water (Pacific Side)	485	0.06
<b>Total</b>	<b>845,431</b>	<b>100.00</b>

D. Number of Commercial Fishing Vessel by Region, 1992

Region	Number	Gross Tonnage
I	67	1,365.74
II	119	848.31
III	50	803.13
IV	1,936	125,562.48
V	142	4,218.08
VI	399	17,495.00
VII	129	2,935.15
VIII	136	1,773.44
IX	278	14,140.79
X	49	1,349.37
XI	439	14,096.98
XII	7	146.36
Total	3,751	185,091.93

## EXTERNAL TRADE

A. EXPORT

1. Export of Fish and Fishery Products  
By Kind, Quantity and Value, 1993

	Quantity (MT)	FOB Value (000 P)	(000 S)
1. Fish Crustaceans, Mollusks, Etc. and Preparation	<u>195,572</u>	<u>13,006,324</u>	<u>478,358</u>
a. Fish fresh (live or dead) chilled or frozen	34,664	1,597,003	58,351
b. Fish, dried, salted or in brine, smoked fish	555	57,587	2,120
c. Crustaceans, mollusks and aquatic invertebrates	38,140	7,665,126	282,196
d. Fish and other aquatic invertebrate, prepared/ preserved	52,084	3,686,608	135,298
2. Shells and By-Products	2,318	426,677	15,349
3. Miscellaneous and Other Fishery Products	<u>25,354</u>	<u>641,020</u>	<u>23,759</u>
<b>GRAND TOTAL</b>	<b>163,744</b>	<b>14,074,021</b>	<b>517,673</b>

## 2. Major Fishery Export in Terms of Value, 1993

Commodity/Kind	Quantity (mt)	FOB Value (000 P)	FOB Value (000 \$)	% share (Value P)
1) Shrimps and Prawns	<u>22,734</u>	<u>6,102,766</u>	<u>224,700</u>	<u>43.66</u>
Frozen/Chilled	22,206	6,021,911	221,722	
Shrimp & Prawn other than Frozen	528	31,149	2,978	
Prepared/Preserved	n	\$	n	
2) Tuna	<u>71,974</u>	<u>4,090,915</u>	<u>149,917</u>	<u>29.07</u>
Frozen/Chilled	16,486	733,243	25,463	
Prepared or preserved in airtight container	55,488	3,307,672	121,454	
3) Cuttlefish/Squid	<u>3,013</u>	<u>522,340</u>	<u>19,243</u>	<u>3.71</u>
Fresh/chilled	51	5,383	232	
Frozen, dried, salted in brine	2,944	512,322	18,360	
Prepared/preserved whether or not in airtight container	23	4,135	151	
4) Seaweeds	<u>23,574</u>	<u>438,580</u>	<u>16,304</u>	<u>3.54</u>
Seaweeds & other Algae	21,362	438,158	16,125	
Seaweeds & algae, used for food	5	142	13	
Kelp Powder	1,906	3,780	366	

Commodity/Kind	Quantity (mt)	FOB Value (000 P)	FOB Value (000 S)	% share (Value P)
5) Octopus	<u>5,843</u>	<u>451,675</u>	<u>16,588</u>	<u>3.21</u>
Fresh/chilled	n	1	n	
Frozen, dried, salted in brine	5,840	451,674	16,588	
6) Worked capiz shells and articles (including art. obtained by molding)	<u>1,129</u>	<u>264,882</u>	<u>9,879</u>	<u>1.38</u>
7) Ornamental fish	<u>5,375</u>	<u>199,917</u>	<u>7,404</u>	<u>1.42</u>
8) Crabs/crab fats	<u>1,439</u>	<u>184,600</u>	<u>3,738</u>	<u>1.31</u>
Frozen/other than frozen	1,166	123,232	4,545	
Prepared/preserved, (includes crab fats)	255	61,368	2,243	
9) Live Lobu-Lobu	<u>3,853</u>	<u>121,840</u>	<u>4,470</u>	<u>0.37</u>
10) Sea Cucumber (Trepang)	<u>2,049</u>	<u>107,776</u>	<u>3,986</u>	<u>0.77</u>
Total major commodities	144,543	12,545,091	461,459	39.14
Total of other commodities	13,368	1,523,330	35,214	0.36
<b>GRAND TOTAL</b>	<b>160,711</b>	<b>14,074,021</b>	<b>517,673</b>	<b>100.00</b>

### 3. Major Fishery Exports, By Country of Destination, 1993

Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
1) Shrimp/Prawns	<u>22,734</u>	<u>6,102,766</u>	<u>224,700</u>
Japan	18,983	5,174,467	190,451
USA	2,350	615,633	22,743
Korea	301	103,148	3,763
Others	1,100	209,518	7,743
2) Tuna	<u>71,974</u>	<u>4,090,915</u>	<u>149,918</u>
U S A	14,321	849,820	30,833
Japan	15,871	823,784	29,942
Canada	8,370	521,951	19,174
Others	33,412	1,395,360	69,969
3) Cuttlefish/Squid	<u>3,318</u>	<u>522,040</u>	<u>19,242</u>
Japan	1,852	391,592	14,375
Hongkong	549	72,259	2,675
U S A	359	29,992	1,109
Others	258	28,497	1,083
4) Seaweeds	<u>23,574</u>	<u>498,380</u>	<u>18,504</u>
Denmark	6,538	86,475	3,213
France	4,381	82,656	3,032
United Kingdom	1,219	70,671	2,641
Others	11,436	258,578	9,618



Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
6) Octopus	<u>6,343</u>	<u>451,675</u>	<u>16,568</u>
U S A	5,171	336,396	12,334
Puerto Rico	385	59,529	2,187
Portugal	375	22,963	842
Others	412	32,787	1,205
6) Worked Capiz Shells & Articles (including art. obtained by molding)	<u>1,189</u>	<u>264,882</u>	<u>9,879</u>
Germany	270	68,075	2,541
U S A	181	63,041	2,349
United Kingdom	237	39,824	1,497
Others	501	93,942	3,492
7) Ornamental Fish	<u>5,375</u>	<u>109,917</u>	<u>7,404</u>
U S A	2,308	104,128	3,864
Japan	1,068	32,925	1,216
Taiwan	761	25,560	940
Others	1,238	37,304	1,384
8) Crabs/Crab Fats	<u>1,439</u>	<u>184,600</u>	<u>6,788</u>
Hongkong	779	84,452	3,122
Trust Territory..	108	13,226	486
U S A	251	61,015	2,231
Others	301	25,907	949

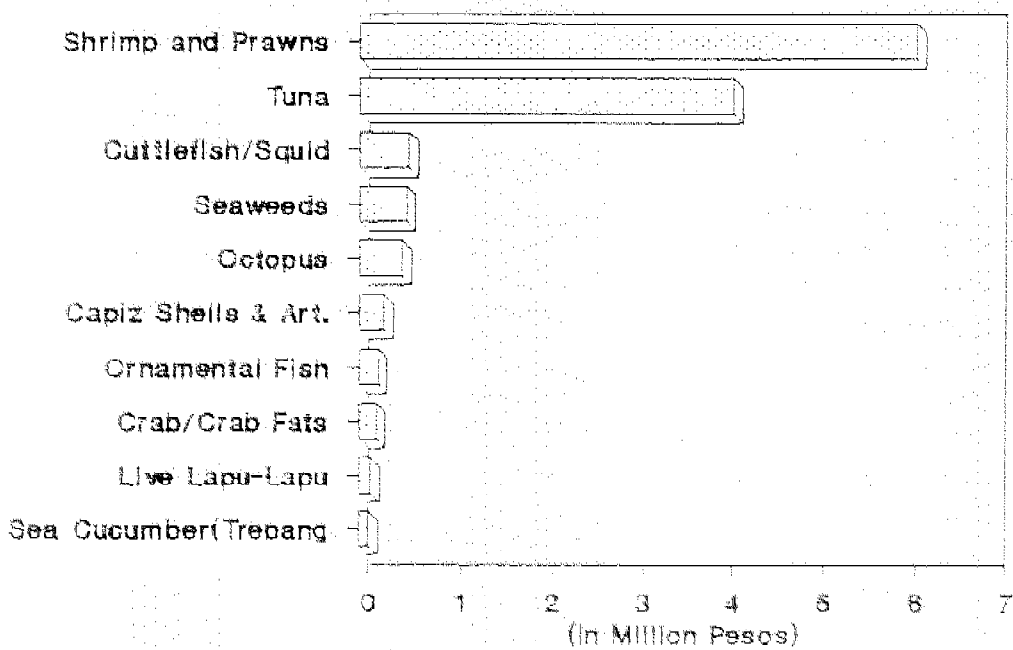
Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 \$)
9) Live Lapu-Lapu	<u>5,659</u>	<u>121,340</u>	<u>4,470</u>
Hongkong	3,363	74,170	2,723
Taiwan	2,237	44,187	1,619
Okinawa	78	3,275	120
Others	5	208	8
10) Sea Cucumber (Trepang)	<u>2,049</u>	<u>107,776</u>	<u>3,986</u>
Hongkong	1,325	48,529	1,792
Korea	122	42,101	1,569
Singapore	80	15,255	556
Others	22	1,381	69
Total Major Commodities	144,048	12,545,091	461,459
Total of Other Commodities	19,396	1,528,930	56,214
<b>GRAND TOTAL</b>	<b>163,744</b>	<b>14,074,021</b>	<b>517,673</b>

n - negligible

4. Value of Fishery Exports by Major  
Country of Destination, 1993 (000\$)

Major Countries	Value	% to Total
1. Japan	260,324	50.3
2. U S A	82,887	16.0
3. Germany	23,551	4.5
4. Hongkong	21,136	4.1
5. Canada	20,957	4.0
6. United Kingdom	19,408	3.7
7. South Africa	10,369	2.0
8. Taiwan	9,094	1.8
9. Netherland	7,244	1.4
10. Korea	6,798	1.3
Total	464,588	89.8
Other Countries	53,002	10.2
<b>GRAND TOTAL</b>	<b>517,590</b>	<b>100.0</b>

# MAJOR FISHERIES EXPORT In Terms of Value, 1993



IMPORT

1. Imports of Fish and Fishery Products  
By kind, Quality and Value, 1993

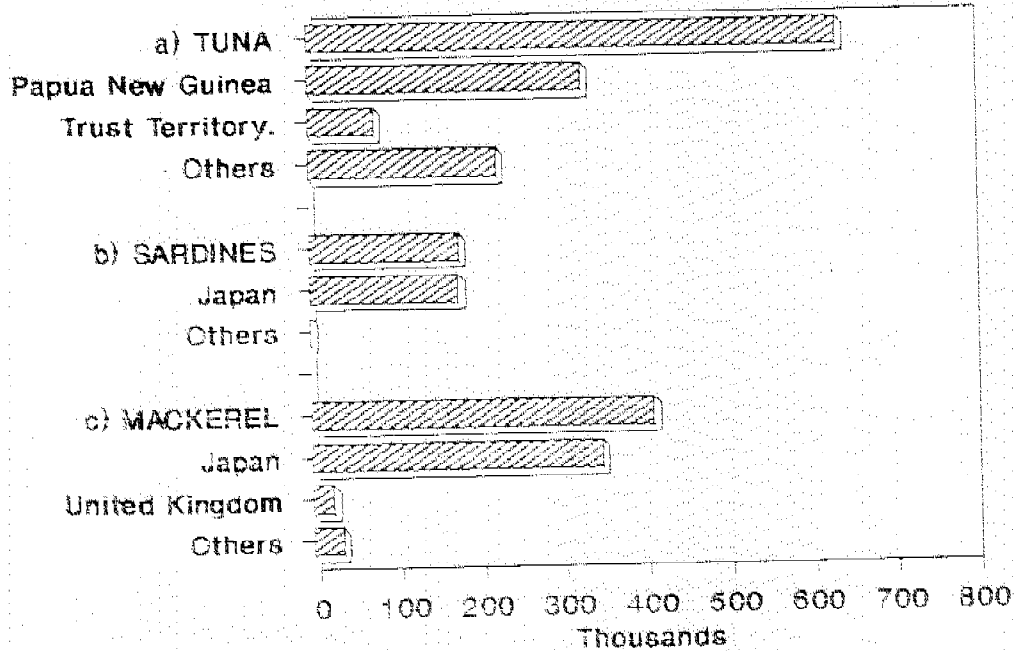
Commodity	Quantity (MT)	FOB Value (000 P)	(000 \$)
Fresh/Frozen/Chilled	113,991	1,288,203	47,093
Flour, Meals & Pellets of Fish Crustaceans and Mollusks Unfit for Human Consumption	87,595	880,797	31,998
Canned	1,049	40,111	1,472
Salted, Dried, Smoked, etc.	27	6,096	225
Other Commodities	1,233	33,381	1,250
<b>GRAND TOTAL</b>	<b>208,895</b>	<b>2,249,188</b>	<b>82,039</b>

2. Major Fishery Imports, By Country of Origin, 1993

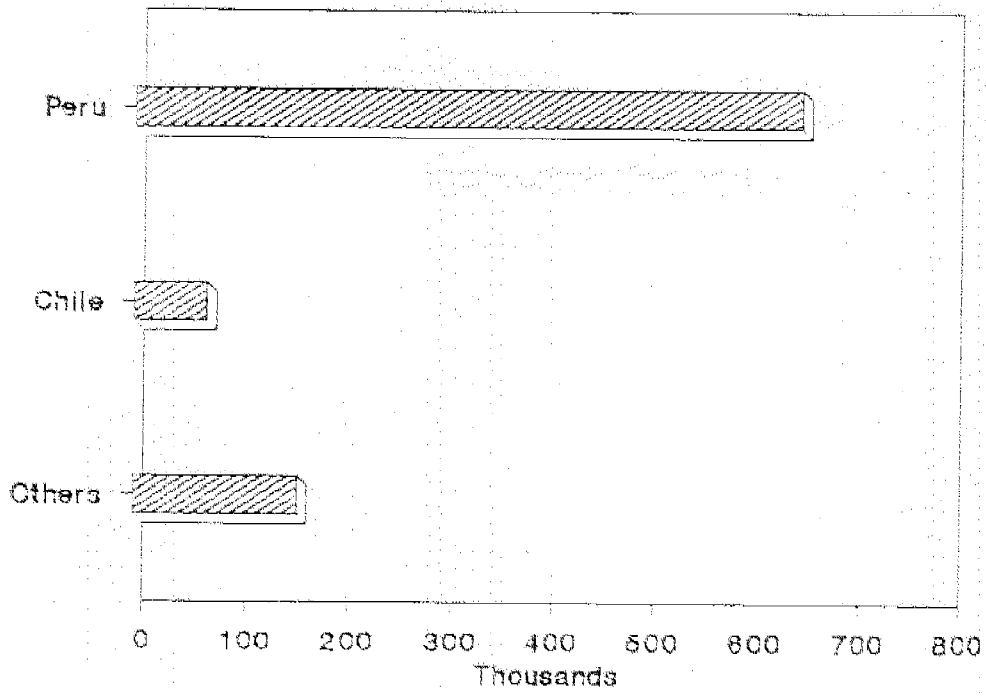
Commodity/Country	Quantity (MT)	FOB Value (000 P)	FOB Value (000 T)
1. Chilled/Frozen Fish	<u>115,217</u>	<u>1,233,565</u>	<u>45,083</u>
a) Tuna	37,439	637,955	23,214
Papua New Guinea	19,028	630,872	12,105
Trust Territory..	4,370	80,471	2,948
Others	13,541	226,612	3,161
b) Sardines	27,322	180,850	6,741
Japan	27,143	179,793	6,700
Others	179	1,057	41
c) Mackerel	50,456	414,760	15,123
Japan	44,131	352,256	12,792
United Kingdom	1,936	26,151	991
Others	4,389	36,353	1,345
2. Flour, Meals & Pellets of Fish Crustacean & Mollusks Unfit for Human Consumption	<u>37,395</u>	<u>380,797</u>	<u>31,998</u>
Peru	71,303	650,920	23,600
Chile	5,334	71,187	2,342
Others	10,353	158,720	5,756
Total major imports	202,612	2,114,362	77,081
Other Commodities	5,083	104,326	4,353
<b>TOTAL</b>	<b>208,695</b>	<b>2,249,198</b>	<b>82,039</b>

# MAJOR FISHERY IMPORTS By Country of Origin, 1993

## CHILLED FROZEN FISH



**FLOUR, MEALS & PELLETS OF FISH CRUSTACEAN  
& MOLLUSKS UNFIT FOR HUMAN CONSUMPTION**





OTHER FISHERY INDUSTRY  
INFORMATION

A. PER CAPITA CONSUMPTION (AS PURCHASED FORM)  
OF FISH AND OTHER PRODUCTS, AS OF 1987 (KG/YEAR) 7/

Food Group/Subgroup	Total (Kg/Year)
A. Fish	40
1. Fresh Fish	25
Tulingan (Frigate Tuna)	4
Bangus (Milkfish)	2
Galunggong (Roundhead)	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
2. Dried Fish (as fresh fish)	4
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
4. Crustaceans and Mollusks	7
Shrimp (all type)	1
Others (fresh)	3
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.

**B. PER CAPITA CONSUMPTION OF OTHER FOOD AS OF 1987**

		Total (Kg/Year)
1.	<b>Dairy</b>	15.7
2.	<b>Poultry Meat</b>	3.3
3.	<b>Eggs</b>	3.7
4.	<b>Fresh Meat</b>	9.9
	Pork	7.3
	Beef	1.8
	Carabeef	0.4
	Others	0.4
5.	<b>Organ Meat</b>	1.5
	Pig	0.7
	Chicken and Other Poultry	0.4
	Processed Organ Meat	0.4
6.	<b>Processed Meat</b>	2.2
	Popular processd meat (as fresh meat)	1.5
	Other cooked/canned (as fresh meat)	0.7

### FOOTNOTES

- 1/ Source of data: 1984 Philippine Forestry Statistics
- 2/ Source of data: Fisheries Statistics Section , 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/ Source of data: National Accounts of the Philippine as of May 1994, National Statistics Coordination Board (NSCB)
- 4/ National Statistics Office (NSO)
- 5/ Source of data: Fisheries Statistics Office, BAS
- 6/ Source of data: Lakes and Reservoirs, State of the Art Series, report no. 1, PCARRD.
- 7/ Based on the Third National Nutrition Survey conducted by the Food and Nutrition Research Institute (FNRI) in 1987

Prepared by: Fisheries Policy Research and Economics Division  
October 1994