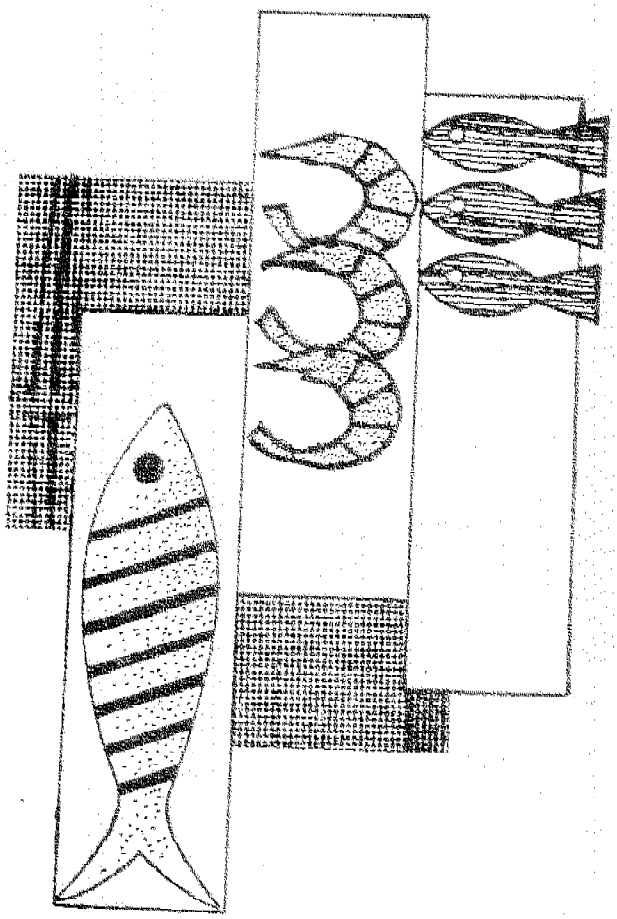
PHILIPPINE FISHERIES PROFILE 1989



DEPARTMENT OF AGRICULTURE
Bureau of Fisheries and Aquatic Resources
860 Quezon Ave., Quezon City, Metro Manila

1989

HIGHLIGHTS

1. Fisheries as an economic sector accounted for 4.6% of the Philippine Gross National Product (GNP) in 1989. It contributed 19.7% or ₱44.5 to the total Agriculture, Fishery and Forestry Sector output at current prices.

2. The fishing industry directly employs an estimated 1 million fishermen and fishfarmers, out of which, 250,000 are engaged in aquaculture operations, 700,000 in municipal fisheries and 57,000 in commercial fishing.

3. The annual growth rates achieved by the Philippine fisheries from 1980-1989 were registered at 4% and 16.2% in quantity and value respectively.

4. The fishing industry recorded a production of 2.371 million metric tons for 1989 or 4.46% increase over last year's production of 2.269 million metric tons.

5. Production was largely contributed by municipal capture fisheries (47%), followed by commercial fisheries, 27% and aquaculture sector, 26%.

6. Leading fishery exports, shrimp/prawns and prepared tuna, rank 6 and 10 in the Philippines top 17 principal merchandize exports.

   These fishery products contributed ₱4.9 B and ₱2.3 B, respectively or a total of 4.4% of the total merchandize export in 1989.

   The three major fishery exports are the shrimps, tuna and seaweed in terms of value.

7. Imports of fish and fishery products increased by 8.5% from ₱1,312.5 million in 1988 to ₱1,424.1 million in 1989, the lowest increase attained since the implementation of the Import Liberalization Program in 1986.

   This was attributed to the decrease in frozen tuna importation by 56% in value and 20% in volume for 1989.

8. Comprising the bulk of fishery imports for 1989 are the following: fish meal, a vital component of animal feeds, 44%, frozen sardines and mackerel, 43%; and frozen tuna, 7%.

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PART I

FISHERY RESOURCES

PHILIPPINE FISHERIES PROFILE
AS OF DECEMBER 1989

I. FISHERY RESOURCES

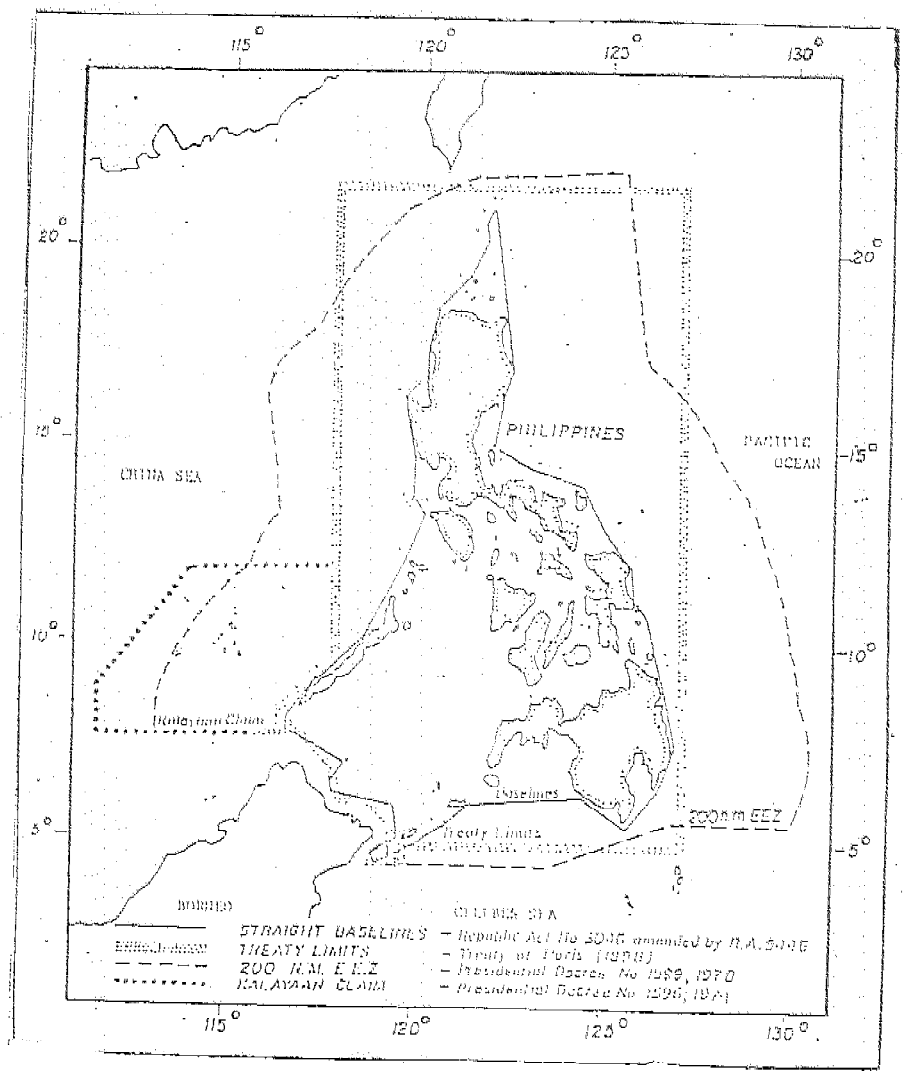
A. Marine Resources

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 2/	224,527 ha.
a. Freshwater	13,847 ha.
b. Brackishwater	210,680 ha.
3. Other Inland Resources	250,000 ha.
a. Lakes	200,000 ha.
b. Rivers	31,000 ha.
c. Reservoirs	19,000 ha.

PHILIPPINE MARINE JURISDICTIONAL BOUNDARIES



PART II

FISHERIES CONTRIBUTION TO ECONOMY

II. FISHERIES CONTRIBUTION TO ECONOMY

A. Fisheries Contribution to total GNP[3/]

1. At Current Prices - 4.6%
2. At Constant Prices - 4.7%

B. Fisheries Contribution to Agriculture Sector

	At Current Prices (In M ₱)	% to Agricultural Sector	At Constant Prices (In M ₱)	% to Agricultural Sector
1. Agricultural Crops (Palay, corn, coconut, & etc.)	129,980	57.3	17,019	58.7
2. Livestock	17,491	7.7	2,942	10.1
3. Poultry	22,339	9.9	3,347	11.6
4. Fishery	44,546	19.7	5,046	17.4
5. Forestry	12,342	5.4	632	2.2
Total-----	226,698	100.0	28,986	100.0

C. Employment

1. Aquaculture 250,000 persons[4/]
2. Municipal Fisheries 675,677 persons[5/]
3. Commercial Fisheries 56,715 persons[4/]

Total---------- 982,392 persons

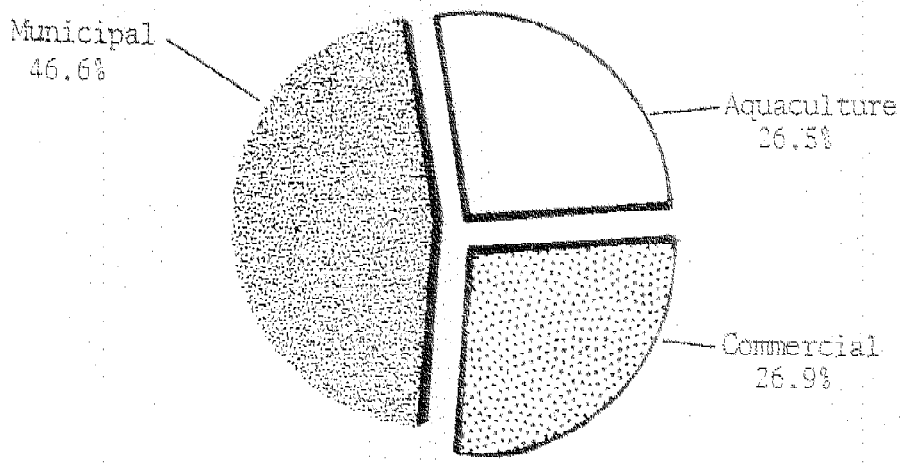
D. Balance of Trade

	1987		1988		1989 6/	
	Quantity (MT)	Value (₱ M)	Quantity (MT)	Value (₱ M)	Quantity (MT)	Value (₱ M)
Fishery Exports	111,830	6,441.8	128,903	9,599.4	145,099	10,248.0
Fishery Imports	104,936	637.4	164,575	1,312.5	197,966	1,424.1
Balance of Trade	6,894	5,804.4	(35,672)	8,286.9	(52,867)	8,823.9

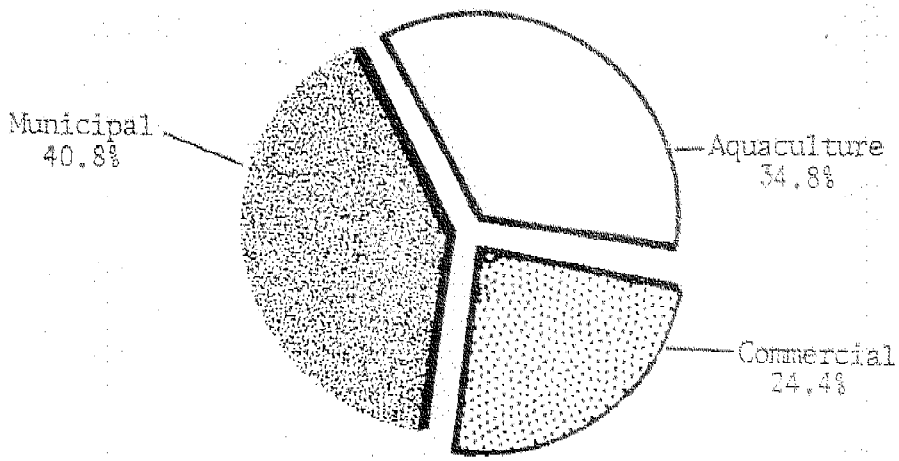
E. Total Fish Production by Sector for 1989 7/

	Quantity (000 MT)	%	Value (₱ B)	%
1. Aquaculture	629	26.5	15.7	34.8
2. Municipal Fisheries	1,105	46.6	18.4	40.8
3. Commercial Fisheries	637	26.9	11.0	24.4
Total--------	2,371	100.0	45.1	100.0

TOTAL FISH PRODUCTION
BY QUANTITY AND VALUE, 1989



Quantity: 2,571,109 MT



Value: 45,093,712

PART III
EXTERNAL TRADE

III. EXTERNAL TRADE

A. Export

1. Exports of Fish and Fishery Products By Kind, Quantity and Value, 1989

Item	Quantity (MT)	FOB Value (000 ₱)	FOB Value (000 $)
I. Fish and Fish Preparation	104,652	8,857,523	410,473
1. Fish fresh (live or dead) chilled or frozen	18,575	768,660	35,540
2. Fish dried, salted or in brine, smoked fish (whether or not cooked before or during smoking)	609	31,111	1,443
3. Crustaceans, mollusks whether in shell or not, fresh (live or dead) chilled, frozen, salted or in brine or dried; Crustaceans in shells simply boiled in water	34,725	5,591,794	259,377
4. Fish, Crustaceans and Mollusks prepared or preserved, n.e.s.	50,743	2,465,958	114,113
II. Shells & By Products	9,056	493,840	22,868
III. Miscellaneous Fishery Products & By Products	31,391	896,999	41,537
Grand Total----------	145,099	10,248,362	474,878

2. Major Fisheries Export in Terms of Value, 1989

	Quantity (MT)	FOB Value (000 ₱)	FOB Value (000 $)
1. Shrimp/Prawn	26,768	5,035,080	233,635
Frozen/Chilled	26,052	4,982,887	231,214
Salted, dried, cooked	577	45,124	2,093
Prepared whether or not in airtight containers	139	7,069	328
2. Tuna	57,057	2,809,659	129,986
Frozen/chilled	9,558	469,344	21,678
Prepared or preserved in airtight containers	47,499	2,340,315	108,308
3. Seaweeds, dried	30,994	804,546	37,245
4. Shellcraft Articles	2,163	275,665	12,774
5. Cuttlefish/Squid	3,221	269,308	12,477
Fresh/Frozen/Chilled	2,989	252,603	11,702
Salted, dried, smoked	225	16,067	746
Prepared or preserved whether or not in airtight containers	7	638	29
6. Fish Kept Alive for Transport	6,347	156,944	7,284
7. Capiz Shells	4,797	121,890	5,639
8. Bangus (Milkfish)	1,336	85,580	3,944
Frozen/chilled	1,287	81,618	3,761
Smoked	7	494	23
Prepared or preserved in airtight containers	42	3,468	160
9. Natural and Cultured Pearls Worked Out not Set	246	66,317	3,080
10. Seacucumber (Trepang)	1,022	31,735	1,465
11. Others	11,148	591,638	27,349
Total	145,099	10,248,362	474,878

III. EXTERNAL TRADE (cont'd)

3. PRINCIPAL FISHERIES EXPORTS OF FISH AND FISHERY PRODUCTS AND THE MAJOR COUNTRIES OF DESTINATION IN TERMS OF VALUE, 1989

	Quantity (MT)	FOB Value 000 ₱	FOB Value 000 $
1. Shrimp/Prawn	26,768	5,035,080	233,635
- Japan	19,367	3,651,605	169,605
- USA	5,839	1,111,964	51,462
- Hawaii	297	61,852	2,867
- Others	1,265	209,659	9,703
2. Tuna	57,057	2,809,659	129,986
- USA	14,357	596,298	27,591
- Japan	8,198	457,825	21,117
- Germany	11,524	523,473	24,273
- Others	22,978	1,232,063	57,005
3. Seaweeds, dried*	30,994	804,546	37,245
- United Kingdom	3,490	207,658	9,615
- Denmark	10,339	140,218	6,522
- U.S.A.	5,079	108,835	5,029
- Others	12,086	347,835	16,079
4. Shellcraft Articles	2,163	275,665	12,774
- Germany	662	89,167	4,134
- United Kingdom	337	45,962	2,129
- Japan	288	43,252	2,001
- Others	876	97,284	4,510
5. Cuttlefish/Squid	3,221	269,308	12,477
- Japan	1,072	147,911	6,826
- U.S.A.	403	83,122	3,875
- Hongkong	347	18,122	838
- Others	399	20,153	938

* Gross kilos

3. PRINCIPAL FISHERIES EXPORTS.....

	Quantity (MT)	FOB Value (000 ₱)	(000 $)
6. Fish Kept Alive for Transport	6,347	156,944	7,284
- USA	2,330	81,308	3,772
- Taiwan	1,739	27,794	1,295
- Japan	582	14,036	650
- Others	1,696	33,806	1,567
7. Capiz Shells	4,797	121,890	5,639
- U.S.A.	1,302	43,101	1,988
- Germany	1,664	32,618	1,513
- Japan	275	5,903	274
- Others	1,356	40,268	1,864
8. Bangus (Milkfish)	1,336	85,580	3,944
- U.S.A.	1,051	69,354	3,196
- Hawaii	105	6,532	301
- Canada	46	2,942	135
- Others	134	6,752	312
9. Natural and Cultured Pearls*	246	66,317	3,080
- Hongkong	116	39,943	1,854
- Japan	99	25,188	1,170
- Switzerland	1	749	35
- Others	30	437	21
10. Sea Cucumber (Trepang)	1,022	31,735	1,465
- Hongkong	930	20,850	965
- Singapore	47	4,787	221
- Korea	16	4,117	187
- Others	29	1,981	92

* Gross Kilos

III. EXTERNAL TRADE (cont'd)

B. Import

1. Imports of Fish and Fishery Products By Kind, Quantity and Value, 1989

Item	Quantity (MT)	FOB Value 000 ₱	FOB Value 000 $
Canned	3,815	69,339	3,188
Fresh/Frozen/ Chilled	136,879	721,912	33,195
Fish Meal	56,474	625,619	28,722
Salted, Dried, Smoked, etc.	44	2,999	138
Seaweeds	754	4,264	196
Grand Total-------	197,966	1,424,133	65,439

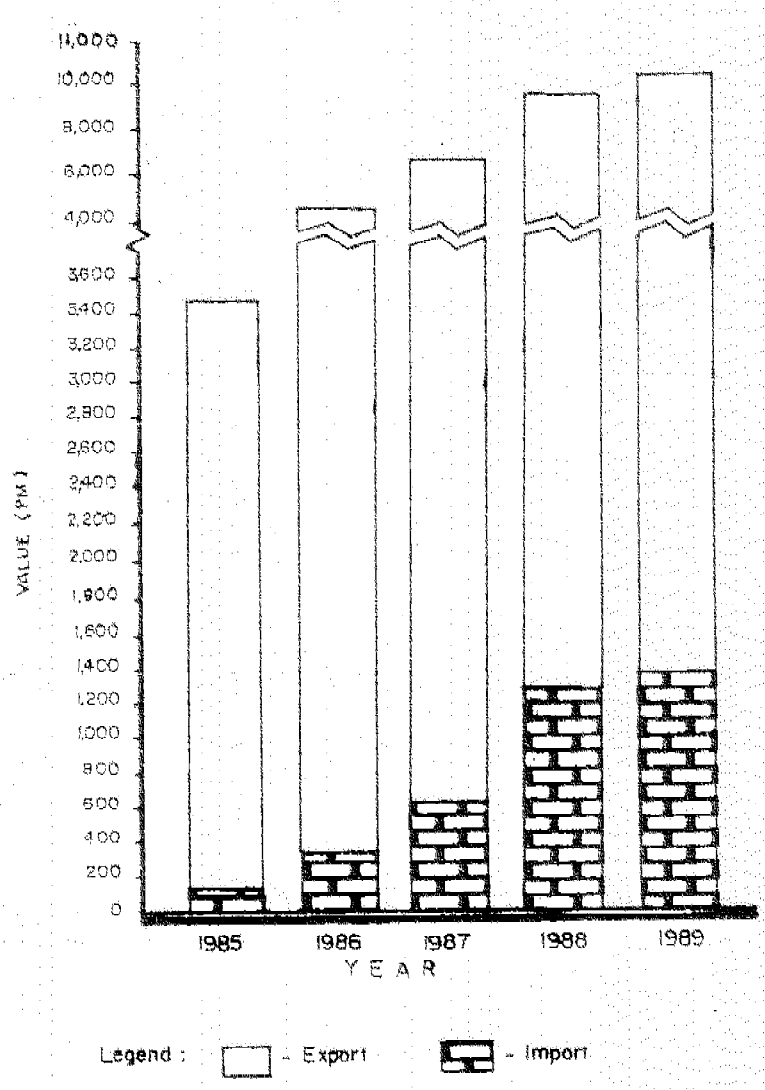
2. Major Fishery Imports, 1989
In Terms of Value

Commodity/Country	Quantity (MT)	FOB Value 000 ₱	FOB Value 000 $
1. Fish Meal	56,473	625,619	28,722
- Japan	11,733	252,214	11,610
- Peru	31,823	248,427	11,342
- Chile	6,172	69,568	3,222
- Others	6,745	55,410	2,548
2. Frozen Sardines/Mackerels and Others	130,417	610,514	28,115
- Japan	125,891	589,737	27,170
- Union of Soviet Socialist Republic (USSR)	3,050	11,240	508
- Papua New Guinea	852	2,825	128
- Others	624	6,712	309
3. Tuna, Frozen	6,438	106,382	4,847
- Papua New Guinea	2,956	56,664	2,565
- Guam	1,500	18,301	840
- Japan	1,186	16,459	762
- Others	796	14,958	680
4. Cuttlefish & Squid, Prepared or Preserved, Whether or Not in Airtight Containers	2,448	48,813	2,243
- USA	2,049	37,250	1,714
- Singapore	169	6,213	284
- Malaysia	100	3,162	145
- Others	130	2,188	100
5. Sardines, Prepared or Preserved in Airtight Containers	1,015	15,341	708
- Korea	108	3,377	156
- Portugal	43	2,612	119
- Spain	81	2,296	106
- Others	783	7,056	327
6. Others	1,175	17,464	804
Grand Total	197,966	1,424,133	65,439

3. Major Sources of Fishery Imports in Terms of Value, 1989

Country	Quantity	Percent to Total Imports	FOB Value 000 ₱	% to Total	000 $	% to Total
1. Japan	139,037	70.23	860,202	60.40	39,625	60.55
2. Peru	31,823	16.07	248,427	17.44	11,342	17.33
3. Chile	6,172	3.12	69,568	4.88	3,222	4.92
4. Papua New Guinea	3,808	1.92	59,489	4.18	2,693	4.12
5. USA	2,365	1.19	45,306	3.18	2,092	3.20
6. Taiwan	3,813	1.93	25,431	1.79	1,173	1.79
7. Singapore	1,361	0.69	22,688	1.59	1,034	1.58
8. Guam	1,500	0.76	18,301	1.29	840	1.28
9. United of Soviet Socialist Republic (USSR)	3,050	1.54	11,240	0.79	508	0.78
10. Hongkong	490	0.25	6,656	0.47	304	0.47
11. Others	4,547	2.30	56,825	3.99	2,606	3.98
TOTAL	197,966	100.00	1,424,133	100.00	65,439	100.00

COMPARISON OF FISHERY EXPORTS & IMPORTS
(In ₱ Value, 1985-1988)



PART IV

PHILIPPINE FISH PRODUCTION

IV. PHILIPPINE FISH PRODUCTION

A. Five-Year Fish Production Trend (1985-1989)

Year	Quantity (MT)	% Increase/ (Decrease)	Value (000 ₱)	% Increase (Decrease)
1989 7/	2,371,109	4.46	45,093,712	7.06
1988	2,269,744	2.56	42,118,213	12.77
1987	2,213,040	5.91	37,349,479	0.05
1986	2,089,484	1.82	37,331,483	19.28
1985	2,052,111	(1.36)	31,297,268	22.02

B. Fish Production by Sector (1980-1989)
(In Metric Tons)

Year	Aquaculture 8/	Municipal 9/	Commercial	Total
1989 7/	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
1985	494,742	1,045,382	511,987	2,052,111
1984	477,887	1,089,046	513,335	2,080,268
1983	445,073	1,145,841	519,316	2,110,230
1982	392,348	978,362	526,273	1,896,983
1981	339,501	938,628	494,768	1,772,897
1980	289,166	894,610	488,478	1,672,254

C. Fish Production, By Sector, By Region, 1989

1. Aquaculture Fish Production

a. Freshwater Fishponds in Operation

Region	Total Area (ha)	Production (mt) Total	Tilapia	Carp	Others*
NCR	-	-	-	-	-
CAR	255	353	353	-	-
I	1,342	1,929	1,327	309	293
II	875	1,259	1,259	-	-
III	9,114	28,341	25,833	2,508	-
IV	378	530	530	-	-
V	217	183	183	-	-
VI	554	541	477	64	-
VII	-	-	-	-	-
VIII	257	131	102	29	-
IX-A	-	-	-	-	-
IX-B	137	174	140	14	20
X	385	461	363	83	15
XI	234	223	223	-	-
XII	119	113	110	3	-
TOTAL---	13,847	34,238	30,900	3,010	328

* Dalag, hito and guorami

b. Brackishwater Fishponds in Operation

Region	Total Area (Ha)	Production (MT) * Total	Bangus	Sugpo	Others **
NCR	703	644	503	56	85
CAR	-	-	-	-	-
I	16,658	26,566	16,995	3,765	5,806
II	1,469	943	680	19	244
III	53,465	73,252	49,477	12,058	11,717
IV	23,281	19,070	9,062	8,035	1,973
V	11,028	5,959	3,961	1,276	722
VI	59,074	84,801	64,959	15,699	4,143
VII	7,110	7,142	6,771	371	-
VIII	5,977	2,911	2,349	450	112
IX-A	1,540	1,366	1,293	20	53
IX-B	14,861	15,211	12,961	348	1,902
X	4,326	3,109	2,910	156	43
XI	7,248	8,579	6,012	603	1,964
XII	3,940	4,027	3,264	683	80
TOTAL	210,680	253,580	181,197	43,539	28,844

* National Average Yield - 1.2036 MT/ha/yr
** Tilapia, white shrimp, endeavor prawns and mudcrab.

c. Production of Fishpen, 1989

Region	Production (mt)			
	Total	Bangus	Tilapia	Others
NCR	3,840	1,786	1,612	442
CAR	-	-	-	-
I	11	8	3	-
II	-	-	-	-
III	41	30	7	4
IV	19,868	9,629	7,566	2,673
V	-	-	-	-
VI	-	-	-	-
VII	-	-	-	-
VIII	33	23	6	4
IX-A	-	-	-	-
IX-B	263	190	44	29
X	-	-	-	-
XI	46	33	8	5
XII	-	-	-	-
TOTAL----	24,102	11,699	9,246	3,157

d. Production of Fish Cages, 1989

Region	Production (mt)		
	Total	Tilapia	Carp
NCR	334	334	-
CAR	81	76	5
I	9	9	-
II	356	339	17
III	535	507	28
IV	11,849	11,146	703
V	5,939	5,658	281
VI	-	-	-
VII	-	-	-
VIII	66	63	3
IX	19	18	1
X	-	-	-
XI	306	291	15
XII	8	8	-
TOTAL--------	19,502	18,449	1,053

e. Mariculture Production, 1989
(In Metric Tons)

Region	Total	Type of Culture		
		Oysters	Mussels	Seaweeds
NCR	2,414	-	2,414	-
CAR	-	-	-	-
I	8,140	8,133	-	7
II	36	7	-	29
III	775	649	126	-
IV	11,888	1,172	5,977	4,739
V	200	132	49	19
VI	3,479	2,711	768	-
VII	17,961	-	-	17,961
VIII	9,966	-	7,069	2,897
IX	242,559	-	-	242,559
X	122	-	-	122
XI	383	15	-	368
XII	-	-	-	-
TOTAL---	297,923	12,819	16,403	268,701

2. Municipal Fisheries Production, By Region, 1989
(In Metric Tons)

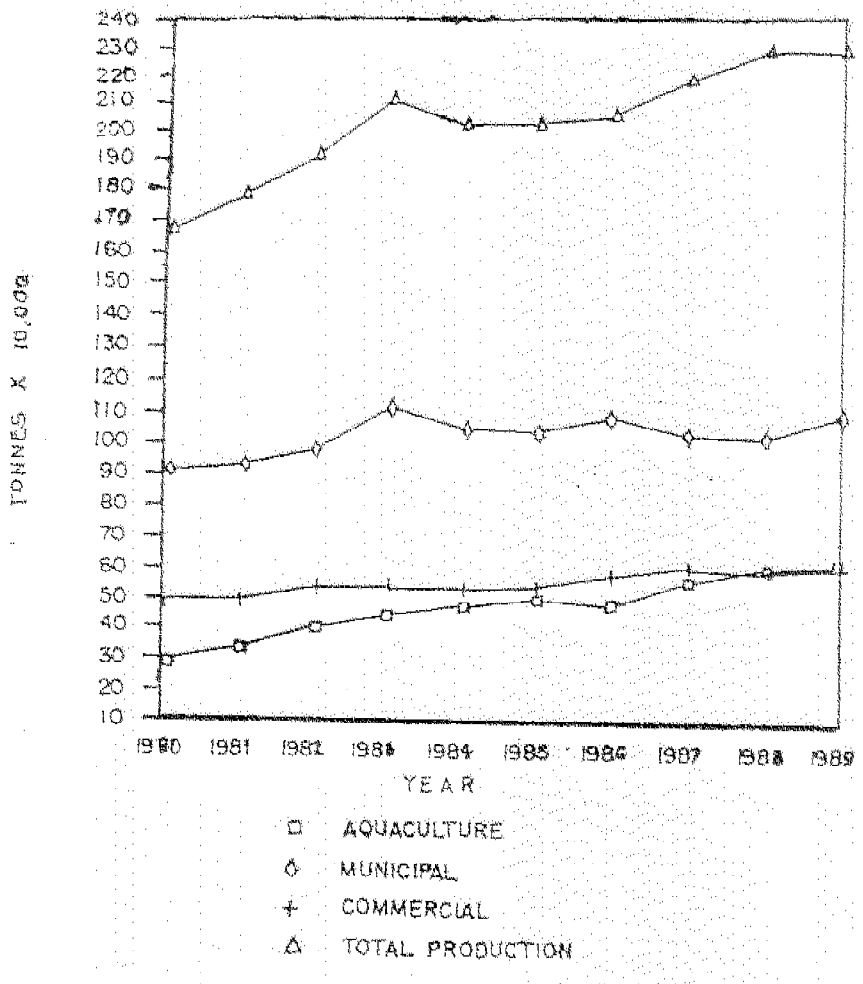
Region	Marine	Inland	Total
NCR	8,554	-	8,554
CAR	-	337	337
I	22,327	638	22,965
II	8,601	4,364	12,965
III	23,940	5,884	29,824
IV	148,872	183,192	332,064
V	89,226	3,432	92,658
VI	155,818	2,597	158,415
VII	25,895	24	25,919
VIII	36,653	638	37,291
IX	204,778	1,295	206,073
X	74,956	2,767	77,723
XI	58,826	662	59,488
XII	23,923	16,427	40,350
TOTAL	882,369	222,257	1,104,626

C. Fish Production, By Sector, By Region, 1989...

3. Commercial Fisheries Production, By Region, 1989
(In Metric Tons)

Region	Marine Commercial
NCR	195,814
CAR	-
I	3,592
II	6,142
III	9,717
IV	61,330
V	44,978
VI	128,725
VII	35,342
VIII	13,958
IX	84,717
X	6,725
XI	45,604
XII	494
TOTAL	637,138

PHILIPPINE FISH PRODUCTION
BY SECTOR, 1980-1989



PART V

OTHER FISHERY INDUSTRY INFORMATION

V. OTHER FISHERY INDUSTRY INFORMATION

A. Area of Freshwater and Brackishwater Fishponds in Operations, By Region, 1989 (in hectares)

Region	Freshwater Fishponds	Brackishwater Fishponds
NCR	-	703
CAR	235	-
I	1,342	16,658
II	875	1,469
III	9,114	53,465
IV	378	23,281
V	217	11,028
VI	554	59,074
VII	-	7,110
VIII	257	5,977
IX-A	-	1,540
IX-B	137	14,861
X	385	4,326
XI	234	7,248
XII	119	3,940
TOTAL----------	13,847	210,680

V. OTHER FISHERY INDUSTRY ...

B. Number of Municipal Fishing Bancas, By Region

Region	1980 5/ Total	1980 Moto-rized	1980 Non-Moto-rized	1985 10/ Total	1985 Moto-rized	1985 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-A) IX-B)	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
% TO TOTAL	100%	29%	71%	100%	42%	58%

C. Number of Commercial Fishing Vessels by Region, 1989 11/

Region	Number	Total Gross Tonnage
NCR	323	69,317.15
I	3	40.68
II	-	-
III	27	627.66
IV	1,102	30,875.53
V	114	3,501.99
VI	246	14,815.83
VII	196	4,134.82
VIII	197	2,804.99
IX	542	13,907.86
X	41	1,165.15
XI	484	11,588.34
XII	3	50.71
TOTAL-----	3,278	152,830.71

D. Production of Commercial Fishing Vessels, By Gear, 1989 (Estima

Type of Gear	Quantity (MT)	Percentage of Commercial Catch Accounted For
Purse Seine	279,767	43.91
Otter Trawl	125,261	19.66
Bagnet	101,369	15.91
Others	130,741	20.52
TOTAL----------	637,138	100.00

VI. OTHER FISHERY INDUSTRY...

E. Per Capita Consumption (As Purchased Form) of Fish and Other Products, As of 1987 (Kg/Year) 12/

Food Group/Subgroup	Total (Kg/Year)
1. Fish	40
a. 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
b. Dried Fish (as fresh fish)	4
c. 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
d. 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

V. OTHER FISHERY INDUSTRY

2. Per Capita Consumption of Other Food as of 1987

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

V. OTHER FISHERY INDUSTRY...

F. Major Species of Fish and Fishery Products Caught/ Produced/Gathered in Philippine Waters, 1989

	Quantity (MT)	% to Total Catch
a. Marine Commercial and Marine Municipal Fisheries		
1. Tuna and tuna like species	302,244	19.89
Frigate tunas (tulingan)	117,545	
Yellowfin and big-eyed tuna (tambakol)	62,146	
Skipjack (guliasan)	64,654	
Eastern little tuna (oceanic bonito katchorita)	57,899	
2. Roundscad (galonggong)	209,821	13.81
3. Sardines (tunsoy, tamban)	122,465	8.06
4. Anchovies (dilis)	122,250	8.05
5. Slipmouth (sapsap)	63,475	4.18
6. Indian mackerel (alumahan)	51,661	3.40
7. Threadfin bream (bisugo)	43,060	2.83
8. Big-eyed scad (matangbaka)	38,614	2.54
9. Round herring (tulis)	32,121	2.11
10. Squid (Pusit)	26,639	1.75
11. Others	507,157	33.38
TOTAL----------	1,519,507	100.00

V. OTHER FISHERY INDUSTRY...

F. Major Species Caught...

b. Inland Municipal Fisheries

Species	Quantity	% To Total Catch
Suso (snails)	124,231	55.89
Tilapia (cichlid)	19,972	8.99
Carp	11,329	5.10
Tawilis (Harengula tawilis)	10,650	4.79
Tulya (freshwater clams)	9,912	4.46
Hipon (Palaenon atya)	8,104	3.65
Biya (freshwater goby)	7,428	3.34
Others	30,631	13.78
TOTAL----------	222,257	100.00

c. Aquaculture Fisheries

Species	Quantity	% To Total Catch
Seaweeds	268,701	42.69
Bangos (milkfish)	192,896	30.65
Tilapia (cichlid)	81,670	12.98
Shrimps/Prawns	47,866	7.61
- Tiger Prawn	43,539	
- White Shrimps	3,461	
- Endeavor Prawns	866	
Mussel	16,403	2.61
Others	21,809	3.46
TOTAL----------	629,345	100.00

V. OTHER FISHERY INDUSTRY...

G. Commercial Fishery Production by Statistical Fishing Areas, 1989 (MT) (Estimate)

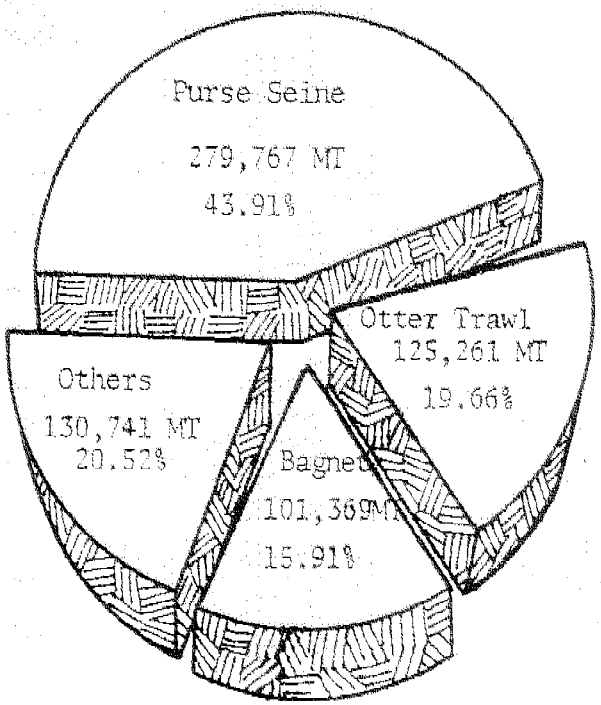
Statistical Fishing Area	Total
1. Sulu Sea, West	143,665
2. Visayan Sea	137,196
3. Moro Gulf	76,419
4. Sulu Sea, East	52,484
5. Sulu Sea, South	40,139
6. Lamon Bay	33,066
7. Cuyo Pass	32,436
8. Manila Bay	19,299
9. Bohol Sea	14,849
10. Ragay Gulf	14,276
11. Guimaras Strait	12,547
12. Sibuyan Sea	11,347
13. Tayabas Bay	11,256
14. Babuyan Channel	8,152
15. Lingayen Gulf	6,420
16. Samar Sea	5,043
17. Camotes Sea	4,859
18. Batangas Coast	4,117
19. West Palawan Waters	4,069
20. Davao Gulf	2,646
21. Leyte Gulf	2,279
22. Lagonoy Gulf	574
TOTAL	637,138

V. OTHER FISHERY INDUSTRY...

H. Ten Major Lakes of the Philippines[13/]

	Name of Lakes	Location	Area (Ha)
1.	Laguna de Bay	Laguna and Rizal	90,000
2.	Lake Lanao	Lanao del Sur	34,000
3.	Taal Lake	Batangas	33,432
4.	Naujan Lake	Oriental Mindoro	8,000
5.	Lake Mainit	Surigao del Sur & Agusan del Norte	7,340
6.	Lake Buluan	Maguindanao and Sultan Kudarat	6,500
7.	Lake Bato	Camarines Sur and Albay Provinces	3,800
8.	Lake Buhi	Camarines Sur	1,800
9.	Lake Wood	Zamboanga del Sur	720
10.	Lake Danao	Camotes Island, Cebu	480

PRODUCTION OF COMMERCIAL FISHING
VESSELS BY GEAR, 1989



Total Production: 637,138 MT

FOOTNOTES:

1. Source of Data: 1984 Philippine Forestry Statistics

2. Source of Data: 1988 Fisheries Statistics, Bureau of Agricultural Statistics (BAS); this refers to productive fishponds only as of 1988.

3. Source of Data: Revised estimates of the National Income Accounts of the Philippines, April 1990 Economics and Social Statistics Office, National Statistical Coordination Board.

4. Source of Data: Fisheries Statistics Section.

5. Source of Data: Census of Fisheries, CY 1980.

6. Preliminary data, National Statistics Office (NSO).

7. Preliminary data of the Fishery Statistics Section, Bureau of Agricultural Statistics (BAS)

8. Aquaculture includes its three sub-sectors namely mariculture for oyster, mussel and seaweeds; brackishwater culture for fishpond; and freshwater culture for fishpen, fish cage and fishpond.

9. Municipal includes fishing done in coastal and inland waters with or without boat of 3 gross tonnage or less.

10. Sources of Data: Regional Expanded Fish Production Program and Provincial Fisheries data.

11. Source of Data: Preliminary data of BFAR International Licenses Division.

12. Based on the Third National Nutrition Survey conducted by the Food and Nutrition Research Institute (FNRI) in 1987.

13. Source of Data: Lakes and Reservoirs, State of the Art Series, Report No. 1, PCARRD.

Prepared By: Fisheries Policy Research and Economics Divisi...

JULY 19, 1990