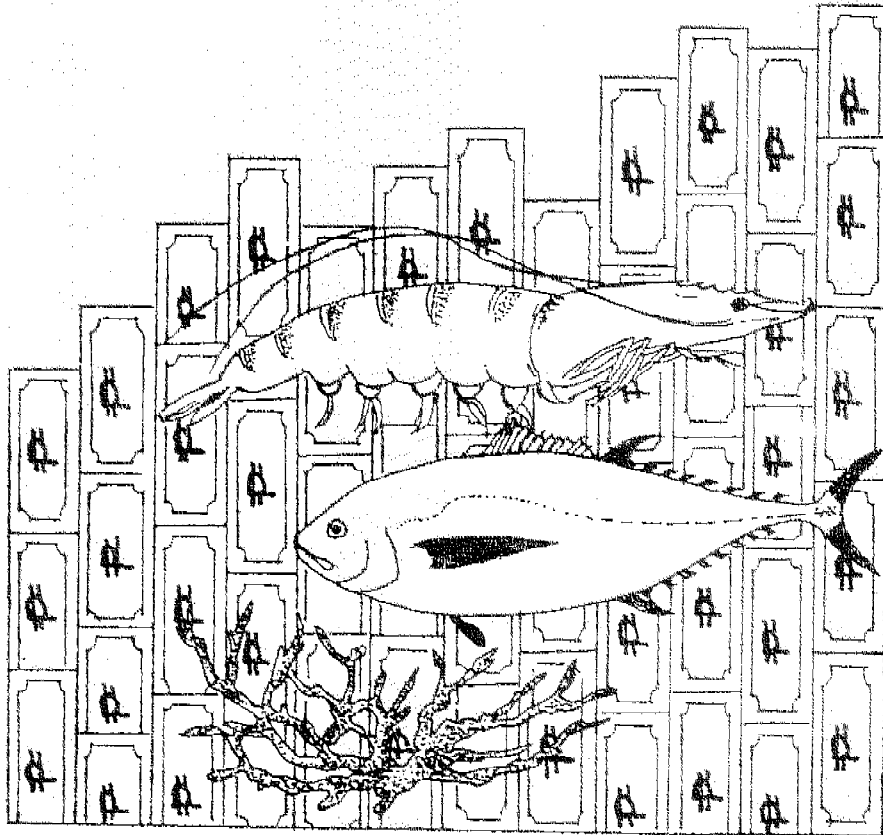


1990 PHILIPPINE FISHERIES PROFILE



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

HIGHLIGHTS

1. The Philippines ranked as 11th largest fish producer in the world as per FAO Statistics, 1988.
2. For 1989, the Philippines was the 3rd biggest producer of tuna and tuna like fishes in the world with Japan on the lead, followed by Indonesia.
3. As an economic sector, fisheries accounted for 3.8% and 4.3% to the Philippine Gross National Product (GNP) in 1990 at current and constant prices, respectively.

It contributed 17.4% (P41.0 B) to the total output of P235 billion at current prices in agriculture, fisheries and forestry subsector. The fisheries contribution was second only in crops.

4. The fishing industry directly employs an estimated 1 million fishermen and fishfarmers; out of this number, 258,480 (26%) are engaged in aquaculture operations, 675,677 (68%) in municipal fisheries, and 56,715 (6%) in commercial fishing.
5. The annual growth rates in production achieved by Philippine fisheries from 1981-1990 were registered at 3.9% and 16.1% in quantity and value, respectively.
6. The fishing industry recorded a production of 2.504 million metric tons for 1990 or a 5.6% increase over last year's production of 2.371 million metric tons.
7. Production was mainly contributed by municipal capture fisheries with 45%, followed by commercial fisheries with 28%, and aquaculture sector, 27%.
8. Leading fishery exports, frozen shrimp/prawns and prepared tuna, ranked 5th and 8th in the Philippines' top 18 principal merchandize exports.

These fishery products contributed P5.2 B and P2.3 B, respectively, or a total of 6.3% to the total export of P119.3 B in 1990.

In terms of value, the three major fishery exports were shrimps (frozen/chilled, salted/dried, cooked and prepared whether or not in airtight containers), worth P5.44 B; tuna (frozen/chilled/canned) earning P2.86 B, and dried seaweed, P1.19 B. These constitute 82% of the total export earnings of P11.5 B.

9. The value of imports of fish and fishery products increased by 30% from P1.42 billion in 1989 to P1.85 billion in 1990.
10. Comprising the bulk of fishery imports for 1990 are the following: frozen sardines and mackerel, 36%; fishmeal, 34%; frozen tuna, 23%. These constitute 93% of the total imports of P1.85 billion in 1990.

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I. THE PHILIPPINE FISHERY RESOURCES

II. THE FISHERIES CONTRIBUTION TO ECONOMY

PHILIPPINE FISHERIES PROFILE
AS OF DECEMBER 1990

I. FISHERY RESOURCES

A. Marine Resources

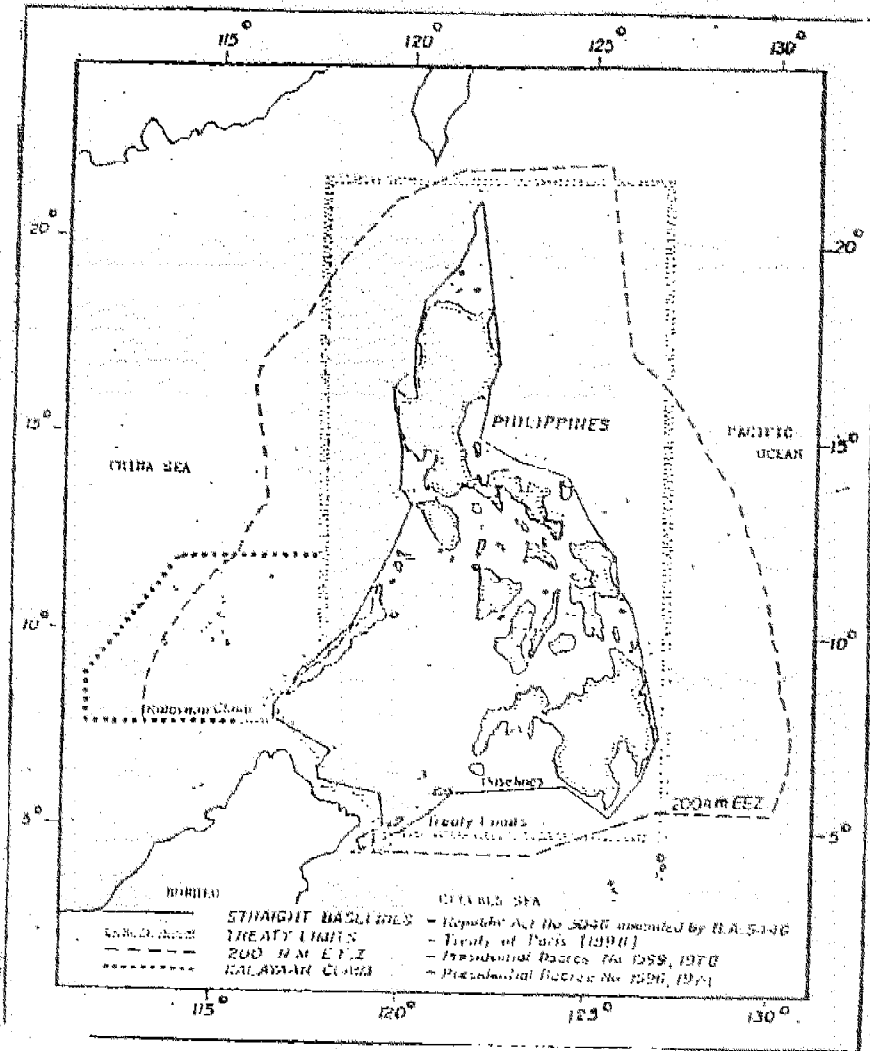
1. Total Territorial Water Area (including the EEZ)	<u>220,000,000 ha.</u>
a. Coastal	26,600,000 ha. (12% of the total)
b. Oceanic	193,400,000 ha. (88% of the total)
2. Shelf Area (Depth 200 m.)	<u>18,460,000 ha.</u> (8% of the total)
3. Coral Reef Area	<u>27,000 sq.km.</u> (Within the 10-20 fathoms where reef fisheries occur)
4. Coastline (length)	<u>17,460 km.</u>

B. Inland Resources

1. Swamplands ^{1/}	<u>338,393 ha.</u>
a. Freshwater	106,328 ha.
b. Brackishwater	232,065 ha.
2. Existing Fishpond ^{2/}	<u>237,438 ha.</u>
a. Freshwater	14,531 ha.
b. Brackishwater	222,907 ha.
3. Other Inland Resources	<u>250,000 ha.</u>
a. Lakes	200,000 ha.
b. Rivers	31,000 ha.
c. Reservoirs	19,000 ha.

FIGURE 1

PHILIPPINE MARINE JURISDICTIONAL BOUNDARIES



II. FISHERIES CONTRIBUTION TO ECONOMY

A. Fisheries Contribution to total GNP, 1990 ^{3/}

- 1. At Current Prices - 3.8%
- 2. At Constant Prices - 4.3%

B. Fisheries Contribution to Agriculture Sector, 1990

	<u>At Current Prices (In M ₱)</u>	<u>% to Agri- cultural Sector</u>	<u>At Constant Prices (In M ₱)</u>	<u>% to Agri- cultural Sector</u>
1. Agricultural Crops (Palay, corn, coconut, & etc.)	138,772	58.9	94,148	58.0
2. Livestock	29,567	12.6	17,443	10.7
3. Poultry	16,162	6.9	12,207	7.5
4. Fishery	41,057	17.4	30,905	19.0
5. Forestry	9,907	4.2	7,780	4.8
Total	<u>235,465</u>	<u>100.0</u>	<u>162,481</u>	<u>100.0</u>

C. Employment

1. Aquaculture	258,480 persons	<u>4/</u>
2. Municipal Fisheries	675,677 persons	<u>5/</u>
3. Commercial Fisheries	<u>56,715 persons</u>	<u>4/</u>
Total-----	990,872 persons	

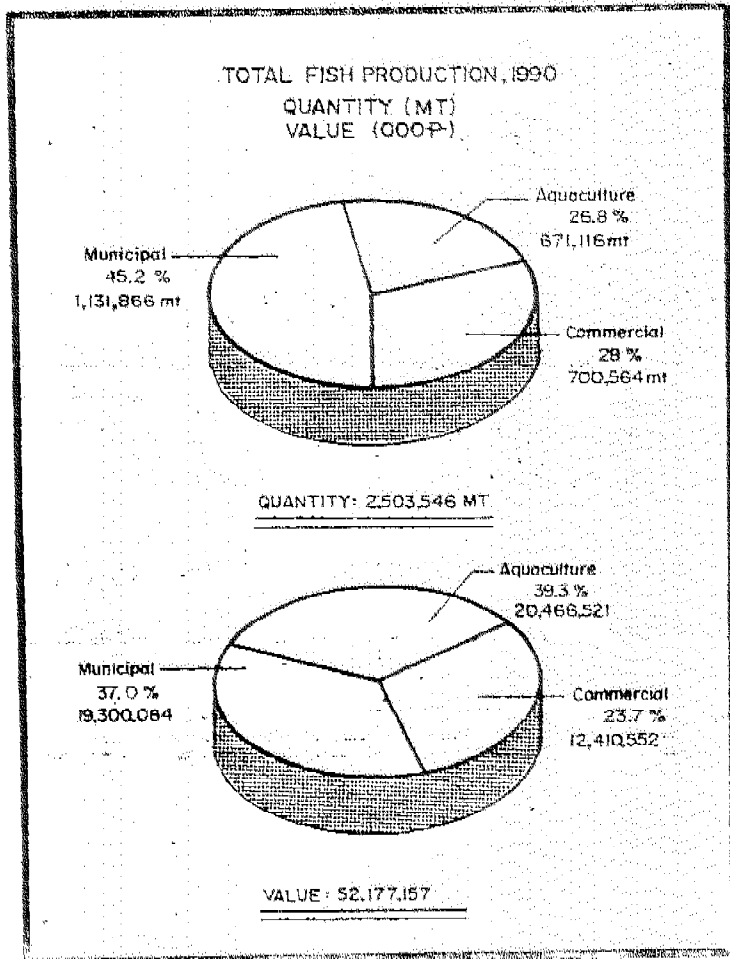
D. Balance of Trade 6/

	1990			1989		
	Quantity (mt)	FOB Value		Quantity (mt)	FOB Value	
		(P M)	(\$ M)		(P M)	(\$ M)
Fishery Exports	143,039	11,528.7	474.3	145,099	10,248.0	474.9
Fishery Imports	<u>196,115</u>	<u>1,853.7</u>	<u>75.1</u>	<u>197,966</u>	<u>1,424.1</u>	<u>65.4</u>
Balance of Trade-----	<u>(53,076)</u>	<u>9,675.0</u>	<u>399.2</u>	<u>(52,867)</u>	<u>8,823.9</u>	<u>409.5</u>

E. Total Fish Production by Sector, 1990 ^{7/}

	Quantity (000 MT)	%	Value (P B)	%
1. Aquaculture	671	26.8	20.5	39.3
2. Municipal Fisheries	1,132	45.2	19.3	37.0
3. Commercial Fisheries	701	28.0	12.4	23.7
Total-----	<u>2,504</u>	<u>100.0</u>	<u>52.2</u>	<u>100.0</u>

FIGURE 2



F. Fish Production by Sector and by Region, 1990
(in MT)

	<u>Total</u>	<u>Commercial</u>	<u>Municipal</u>	<u>Aquaculture</u>
NCR	225,428	208,494	9,791	7,143
CAR	892	-	457	435
I	61,726	4,028	18,955	38,743
II	21,275	4,022	14,539	2,914
III	150,307	10,321	32,279	107,707
IV	453,892	46,510	341,774	65,608
V	103,749	20,088	70,572	13,089
VI	401,432	131,228	177,047	93,157
VII	117,081	70,448	20,042	26,591
VIII	78,291	35,760	28,226	14,305
IX	633,044	108,716	241,422	282,906
X	89,236	4,414	80,901	5,921
XI	118,587	56,135	52,195	10,257
XII	48,606	400	43,866	4,340
TOTAL	<u>2,503,546</u>	<u>700,564</u>	<u>1,131,866</u>	<u>671,116</u>

G. Fish Production by Sector (1981-1990)
(In Metric Tons)

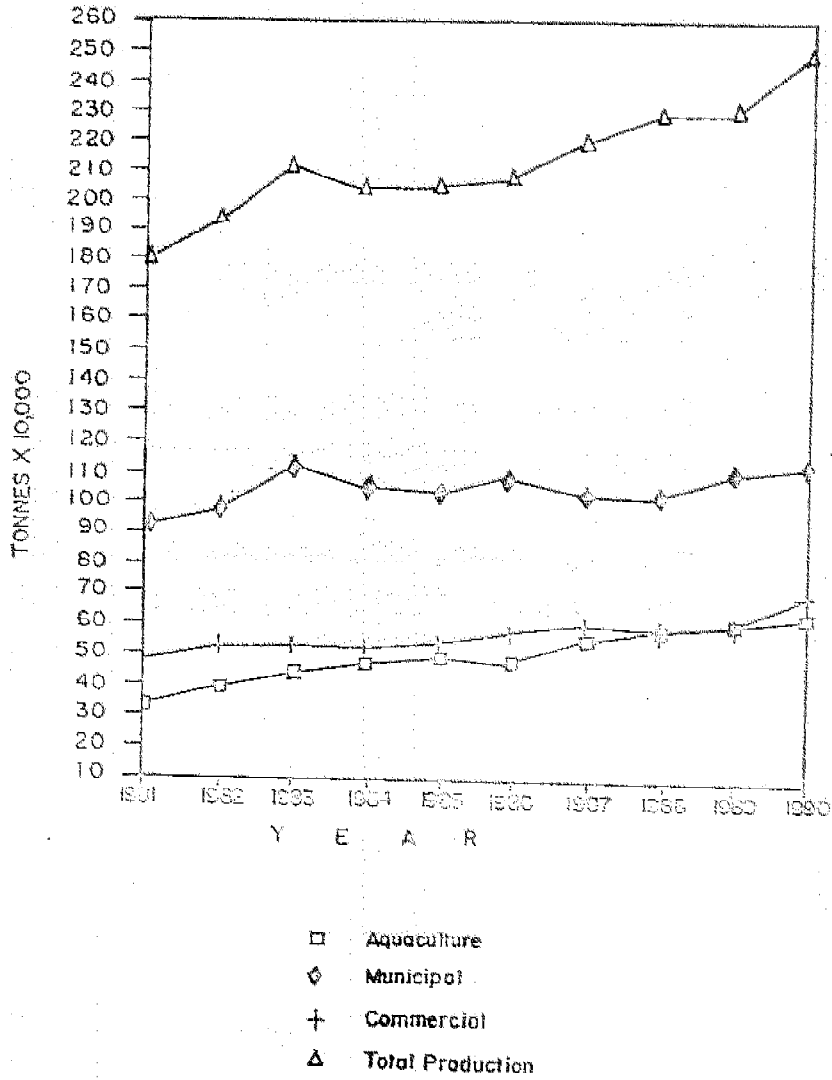
<u>Year</u>	<u>Aquaculture</u>	<u>Municipal</u>	<u>Commercial</u>	<u>Total</u>
1990 ^{7/}	671,116	1,131,866	700,564	2,503,546
1989	629,345	1,104,626	637,138	2,371,109
1988	599,554	1,070,195	599,995	2,269,744
1987	560,970	1,060,878	591,192	2,213,040
1986	470,893	1,072,361	546,230	2,089,484
1985	494,742	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	359,501	958,628	494,760	1,772,897

H. Five-Year Fish Production Trend (1986-1990)

<u>Year</u>	<u>Quantity (MT)</u>	<u>% Increase/ (Decrease)</u>	<u>Value (000 ₱)</u>	<u>% Increase (Decrease)</u>
1990 ^{7/}	2,503,546	5.58	52,177,157	15.71
1989	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

FIGURE 3

PHILIPPINE FISH PRODUCTION, BY SECTOR
(1981 - 1990)



III. AQUACULTURE FISH PRODUCTION BY REGION, 1990

(THIS INCLUDES ITS THREE SUB-SECTORS
NAMELY MARICULTURE FOR OYSTER, MUSSEL
AND SEAWEEDS; BRACKISHWATER CULTURE
FOR FISHPONDS, AND FRESHWATER CULTURE
FOR FISHPEN, FISH CAGE, AND FISHPOND.)

5. Mariculture Production, 1990

Region	Type of Culture					
	Oyster		Mussels		Seaweeds	
	Area Production (Ha.)	(MT)	Area Production (Ha.)	(MT)	Area Production (Ha.)	(MT)
NCR	-	-	54.43	2,388	-	-
CAR	-	-	-	-	-	-
I	65.89	8,540	-	-	13.51	27
II	-	-	-	-	21.00	30
III	198.91	641	3.88	123	-	-
IV	54.16	1,212	491.58	6,076	60.60	4,848
V	25.40	148	1.10	59	30.00	21
VI	117.65	2,928	20.90	853	-	-
VII	-	-	-	-	805.09	18,915
VIII	-	-	32.17	8,016	76.08	2,957
IX	-	-	-	-	6,202.86	263,774
X	-	-	-	-	71.55	143
XI	2.45	16	-	-	48.98	461
XII	-	-	-	-	-	-
TOTAL---	<u>464.46</u>	<u>13,485</u>	<u>604.06</u>	<u>17,515</u>	<u>7,329.67</u>	<u>291,176</u>

4. Production of Fish Cages, 1990

<u>Region</u>	<u>Total Area (ha)</u>	<u>Production (mt)</u>		
		<u>Total</u>	<u>Tilapia</u>	<u>Carp</u>
NCR	10.29	309	251	58
CAR	0.72	81	81	-
I	2.80	10	10	-
II	2.09	406	406	-
III	0.35	545	498	47
IV	450.95	12,716	10,174	2,542
V	40.06	6,437	6,437	-
VI	-	-	-	-
VII	-	-	-	-
VIII	1.02	69	69	-
IX	8.75	20	20	-
X	-	-	-	-
XI	13.05	328	264	64
XII	8.36	10	10	-
<u>TOTAL</u>	<u>558.45</u>	<u>20,931</u>	<u>18,220</u>	<u>2,711</u>

3. Production of Fishpen, 1990

<u>Region</u>	<u>Total Area (ha)</u>	<u>Production (mt)</u>			
		<u>Total</u>	<u>Bangus</u>	<u>Tilapia</u>	<u>Carp</u>
NCR	2,037.41	3,794	2,657	758	379
CAR	-	-	-	-	-
I	3.10	16	16	-	-
II	-	-	-	-	-
III	8.80	44	-	44	-
IV	9,927.43	20,173	16,137	3,025	1,011
V	-	-	-	-	-
VI	-	-	-	-	-
VII	-	-	-	-	-
VIII	11.15	32	-	32	-
IX	28.71	269	158	79	32
X	-	-	-	-	-
XI	89.00	51	36	10	5
XII	-	-	-	-	-
TOTAL--	<u>12,105.60</u>	<u>24,379</u>	<u>19,004</u>	<u>3,948</u>	<u>1,427</u>

2. Production from Brackishwater Fishpond

<u>Region</u>	<u>Total Area (Ha)</u>	<u>Production (MT)*</u>			
		<u>Total</u>	<u>Bangus</u>	<u>Sugpo</u>	<u>Others**</u>
NCR	712	652	504	58	90
CAR	-	-	-	-	-
I	17,511	27,924	17,804	4,189	5,931
II	1,635	1,049	754	21	274
III	56,207	77,004	52,759	12,857	11,388
IV	24,429	20,009	9,509	8,431	2,069
V	11,607	6,272	4,167	1,347	758
VI	61,863	88,799	68,022	16,435	4,342
VII	7,642	7,676	6,897	458	321
VIII	6,400	3,117	2,512	479	126
IX	18,460	18,656	16,040	1,763	853
X	4,610	3,313	3,103	200	10
XI	7,732	9,153	6,412	642	2,099
XII	4,099	4,190	3,395	711	84
<u>TOTAL-----</u>	<u>222,907</u>	<u>267,814</u>	<u>191,878</u>	<u>47,591</u>	<u>28,345</u>

* National Average Yield - 1.2015 MT/ha/yr

** Tilapia (18,805); endeavor prawn (5,619), Grouper (2,363) seabass (779); white shrimp (779).

B. AQUACULTURE FISH PRODUCTION BY SUB SECTORS, BY SPECIES AND BY REGION, 1990

1. Production from Freshwater Fishponds

Region	Total Area (ha)	Production (mt)			
		Total	Tilapia	Carp	Dalag
NCR	-	-	-	-	-
CAR	235.03	354	354	-	-
I	1,546.75	2,226	1,784	442	-
II	992.27	1,429	1,429	-	-
III	9,432.08	29,350	29,350	-	-
IV	402.63	574	574	-	-
V	179.53	152	152	-	-
VI	589.52	577	462	115	-
VII	-	-	-	-	-
VIII	222.68	114	114	-	-
IX	147.23	187	187	-	-
X	388.14	465	375	85	5
XI	255.78	248	248	-	-
XII	139.72	140	140	-	-
TOTAL-	<u>14,531.36</u>	<u>35,816</u>	<u>35,169</u>	<u>642</u>	<u>5</u>

A. Summary of Aquaculture Production by Type of Culture by Region, 1990 (in metric tons)

<u>Region</u>	<u>Total Aqua-culture</u>	<u>Brackish-water Fishpond</u>	<u>Fresh-water Fish.</u>	<u>Fish-pen</u>	<u>Fish cage</u>	<u>Oyster</u>	<u>Mussel</u>	<u>Seaweeds</u>
NCR	7,143	652	-	3,794	309	-	2,388	-
CAR	435	-	354	-	81	-	-	-
I	38,743	27,924	2,226	16	10	8,540	-	27
II	2,914	1,049	1,429	-	406	-	-	30
III	107,707	77,004	29,350	44	545	641	123	-
IV	65,608	20,009	574	20,173	12,716	1,212	6,076	4,848
V	13,089	6,272	152	-	6,437	148	59	21
VI	93,157	88,799	577	-	-	2,928	853	-
VII	26,591	7,676	-	-	-	-	-	18,915
VIII	14,305	3,117	114	32	69	-	8,016	2,957
IX	282,906	18,656	187	269	20	-	-	263,774
X	3,921	3,313	465	-	-	-	-	143
XI	10,257	9,153	248	51	328	16	-	461
XII	4,340	4,190	140	-	10	-	-	-
TOTAL	671,116	267,814	35,816	24,379	20,931	13,485	17,515	291,176

C. MAJOR SPECIES OF FISH AND FISHERY PRODUCTS
PRODUCED IN AQUIACULTURE FISHERIES, 1990

<u>Species</u>	<u>Quantity</u>	<u>% To Total Catch</u>
Seaweeds	291,176	43.29
Bangus (milkfish)	210,882	31.42
Tilapia (cichlid)	76,142	11.49
Shrimps/Prawns	53,989	8.05
- Tiger Prawn	47,591	
- White Shrimps	779	
- Endeavor Prawns	5,619	
Mussel	17,515	2.61
Others	21,412	3.04
TOTAL-----	<u>671,116</u>	<u>100.00</u>

D. TEN MAJOR LAKES OF THE PHILIPPINES

<u>Name of Lakes</u>	<u>Location</u>	<u>Area (ha)</u>
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

IV. MUNICIPAL FISHERIES FISH PRODUCTION
BY REGION, 1990

(THIS INCLUDES FISHING DONE IN COASTAL
AND INLAND WATERS WITH OR WITHOUT
BOATS OF 3 GROSS TONNAGE OR LESS.)

A. MUNICIPAL FISHERIES PRODUCTION, BY REGION, 1990
(In Metric Tons)

<u>Region</u>	<u>Marine</u>	<u>Inland</u>	<u>Total</u>
NCE	9,782	9	9,791
CAR	-	457	457
I	18,375	580	18,955
II	9,763	4,576	14,339
III	25,046	7,233	32,279
IV	149,016	192,758	341,774
V	65,705	4,867	70,572
VI	174,081	2,966	177,047
VII	20,012	30	20,042
VIII	27,427	799	28,226
IX	239,821	1,601	241,422
X	77,843	3,058	80,901
XI	51,450	745	52,195
XII	26,719	17,147	43,866
TOTAL-----	<u>895,040</u>	<u>236,826</u>	<u>1,131,866</u>

B. MAJOR SPECIES OF FISH AND FISHERY PRODUCTS IN MUNICIPAL FISHERIES CAUGHT/GATHERED IN MUNICIPAL WATERS, 1990

	<u>Quantity (MT)</u>	<u>% to Total Catch</u>
1. <u>Marine Municipal Fisheries</u>		
Tuna and tuna like species	150,074	16.77
Frigate tunas (tulingan)	42,775	
Yellowfin and big-eyed tuna (tambakol)	43,490	
Skipjack (guliasan)	28,566	
Eastern little tuna (oceanic bonito katchorita)	35,243	
Anchovies (dilis)	81,296	9.08
Sardines (tunsoy, tamban)	67,380	7.53
Slipmouth (sapsap)	44,043	4.92
Threadfin bream (bisugo)	34,658	3.87
Roundscad (galonggong)	28,921	3.23
Indian mackerel (alumahan)	22,440	2.51
Round herring (tulis)	20,874	2.33
Big-eyed scad (matangbaka)	20,550	2.30
Squid (Pusit)	17,743	1.98
Others	407,061	45.48
TOTAL-----	<u>895,040</u>	<u>100.00</u>

2. Inland Municipal Fisheries

Suso (snails)	132,382	55.89
Tilapia (cichlid)	21,282	8.99
Carp	12,072	5.10
Tawilis (Harengula tawilis)	11,349	4.79
Tulya (freshwater clams)	10,562	4.46
Hipon (Palaeon atya)	8,636	3.65
Biya (freshwater goby)	7,915	3.34
Others	32,628	13.78
TOTAL-----	<u>236,826</u>	<u>100.00</u>

C. 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-	<u>367,838</u>	<u>105,090</u>	<u>262,748</u>	<u>464,395</u>	<u>193,976</u>	<u>270,419</u>
% TO TOTAL	100%	29%	71%	100%	42%	58%

V. COMMERCIAL FISHERIES FISH PRODUCTION
BY REGION, 1990

(FISHING IN THE OFFSHORE WATERS WITH
THE USE OF FISHING VESSELS 3 GROSS
TONS AND ABOVE.....)

A. COMMERCIAL FISHERIES PRODUCTION, BY REGION, 1990
(In Metric Tons)

<u>Region</u>	<u>Marine Commercial</u>
NCR	208,494
CAR	-
I	4,028
II	4,022
III	10,321
IV	46,510
V	20,088
VI	131,228
VII	70,448
VIII	35,760
IX	108,716
X	4,414
XI	56,135
XII	<u>400</u>
TOTAL	<u>700,564</u>

B. MAJOR SPECIES OF FISH AND FISHERY PRODUCTS IN COMMERCIAL FISHERIES CAUGHT/GATHERED IN PHILIPPINE WATERS, 1990

	<u>Quantity (MT)</u>	<u>% to Total Catch</u>
1. Roundscad (galonggong)	220,379	31.46
2. Tuna and tuna like species	<u>163,297</u>	<u>23.31</u>
Frigate tunas (tulingan)	46,026	
Yellowfin and big-eyed tuna (tambakol)	37,613	
Skipjack (guliasan)	71,139	
Eastern little tuna (oceanic bonito katchorita)	8,519	
3. Sardines (tunsoy, tamban)	85,626	12.22
4. Indian mackerel (alumahan)	43,838	6.26
5. Anchovies (dilis)	25,740	3.67
6. Slipmouth (sapsap)	25,322	3.62
7. Big-eyed scad (matangbaka)	20,705	2.96
8. Threadfin bream (bisugo)	9,410	1.34
9. Squid (Pusit)	8,831	1.26
10. Round Herring (Tulis)	5,127	0.73
11. Others	92,289	13.17
TOTAL-----	<u>700,564</u>	<u>100.00</u>

C. COMMERCIAL FISHERY PRODUCTION BY STATISTICAL FISHING AREAS,
1990 (MI) (ESTIMATE)*

<u>Statistical Fishing Area</u>	<u>Total</u>
1. Sulu Sea, West	157,967
2. Visayan Sea	150,854
3. Moro Gulf	84,026
4. Sulu Sea, East	57,709
5. Sulu Sea, South	44,135
6. Lamon Bay	36,358
7. Cuyo Pass	35,665
8. Manila Bay	21,220
9. Bohol Sea	16,327
10. Ragay Gulf	15,697
11. Guimaras Strait	13,796
12. Sibuyan Sea	12,476
13. Tayabas Bay	12,377
14. Babuyan Channel	8,963
15. Lingayen Gulf	7,059
16. Samar Sea	5,545
17. Camotes Sea	5,343
18. Batangas Coast	4,527
19. West Palawan Waters	4,474
20. Davao Gulf	2,909
21. Leyte Gulf	2,506
22. Lagonoy Gulf	631
TOTAL-----	<u>700,564</u>

* Based on 1988 percentage distribution.

D. NUMBER OF COMMERCIAL FISHING VESSELS BY REGION, 1989

<u>Region</u>	<u>Number</u>	<u>Total Gross Tonnage</u>
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-----	<u>3,278</u>	<u>152,830.71</u>

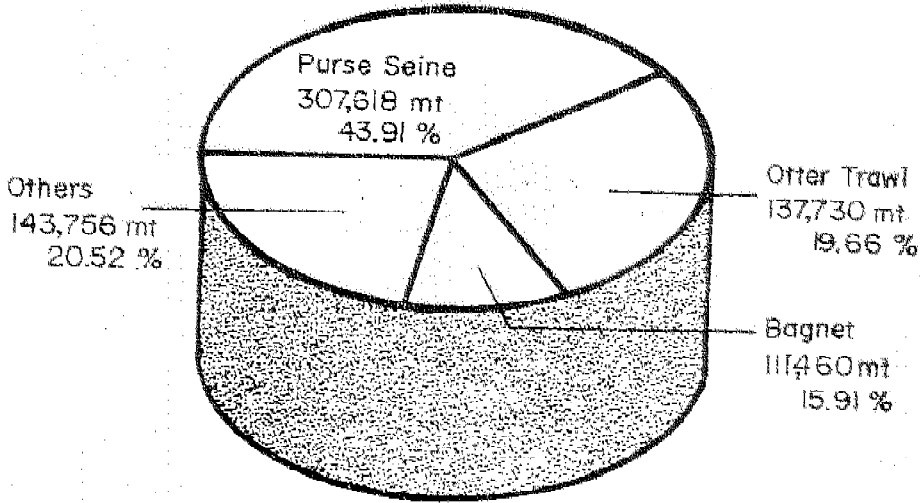
E. PRODUCTION OF COMMERCIAL FISHING VESSELS,
BY GEAR, 1990 (ESTIMATE)

<u>Type of Gear</u>	<u>Quantity (MT)</u>	<u>Percentage of Commercial Catch Accounted For</u>
Purse Seine	307,610	43.91
Otter Trawl	137,750	19.66
Bagnet	111,460	15.91
Others	<u>143,756</u>	<u>20.52</u>
TOTAL-----	<u>700,564</u>	<u>100.00</u>

* Based on 1988 percentage distribution.

FIGURE 4

PRODUCTION OF COMMERCIAL FISHING VESSELS
BY GEAR, 1990



TOTAL PRODUCTION : 700,564 MT

VI. EXTERNAL TRADE

A. EXPORT

1. Exports of Fish and Fishery Products
By Kind, Quantity and Value, 1990

	Quantity	FOB Value	
	(MT)	(000 P)	(000 \$)
1. <u>Fish and Fish Preparation</u>	193,211	9,658,558	396,473
a. Fish fresh (live or dead) chilled or frozen	19,125	865,666	35,790
b. Fish dried, salted or in brine, smoked fish (whether or not cooked before or during smoking)	542	30,452	1,267
c. 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	35,117	6,261,868	256,749
d. Fish, Crustaceans and Mollusks prepared or preserved, n.e.s.	48,427	2,500,552	102,672
2. <u>Shells & By Products</u>	4,341	551,153	22,710
3. <u>Miscellaneous Fishery Products & By Products</u>	35,487	1,319,036	55,091
Grand Total-----	<u>143,039</u>	<u>11,528,727</u>	<u>474,279</u>

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3. Principal Fisheries Exports of Fish and Fishery Products
and the Major Countries of Destination in Terms of Value, 1990

<u>Commodity/Country</u>	<u>Quantity</u> (MT)	<u>FOB Value</u>	
		<u>000 P</u>	<u>000 \$</u>
1. Shrimp/Prawn	25,205	5,435,947	222,578
Japan	19,492	4,258,371	173,864
USA	3,882	808,000	33,529
Guam	436	81,913	3,380
Others	1,395	287,663	11,805
2. Tuna	55,070	2,860,961	117,732
Germany	12,254	627,625	25,690
USA	13,016	590,534	24,490
Japan	9,389	546,949	22,574
Others	20,411	1,095,853	44,978
3. Seaweeds, dried	35,346	1,192,331	49,883
United Kingdom	3,961	273,312	11,542
Denmark	10,676	180,468	7,672
France	5,967	136,974	5,817
Others	14,742	601,377	24,852
4. Cuttlefish/Squid	3,225	377,728	15,610
Japan	1,689	270,800	11,203
USA	827	62,715	2,608
Hongkong	489	30,566	1,254
Others	220	13,647	545
5. Shellcraft Articles	1,823	300,984	12,330
Germany	626	106,008	4,316
Japan	218	53,743	2,198
Italy	310	36,455	1,495
Others	669	104,778	4,321

<u>Commodity/Country</u>	<u>Quantity</u> (MT)	<u>FOB Value</u>	
		<u>000 P</u>	<u>000 \$</u>
6. Fish Kept Alive for Transport	<u>5,800</u>	<u>156,716</u>	<u>6,510</u>
USA	<u>2,307</u>	<u>81,242</u>	<u>3,380</u>
Taiwan	<u>1,191</u>	<u>22,913</u>	<u>957</u>
Hongkong	<u>945</u>	<u>18,326</u>	<u>753</u>
Others	<u>1,357</u>	<u>34,235</u>	<u>1,420</u>
7. Capiz Shells	<u>480</u>	<u>146,902</u>	<u>6,115</u>
USA	<u>166</u>	<u>70,879</u>	<u>2,930</u>
Germany	<u>90</u>	<u>31,523</u>	<u>1,311</u>
Canada	<u>16</u>	<u>6,501</u>	<u>278</u>
Others	<u>208</u>	<u>37,999</u>	<u>1,596</u>
8. Natural and Cultured Pearls	<u>0.158</u>	<u>102,397</u>	<u>4,198</u>
Hongkong	<u>0.097</u>	<u>79,608</u>	<u>3,230</u>
Japan	<u>0.060</u>	<u>21,780</u>	<u>924</u>
Others	<u>0.001</u>	<u>1,009</u>	<u>44</u>
9. Seacucumber (Trepang)	<u>1,751</u>	<u>80,119</u>	<u>3,253</u>
Hongkong	<u>1,474</u>	<u>40,605</u>	<u>1,636</u>
Korea	<u>169</u>	<u>30,869</u>	<u>1,265</u>
Singapore	<u>37</u>	<u>6,868</u>	<u>279</u>
Others	<u>71</u>	<u>1,777</u>	<u>73</u>
10. Bangus (Milkfish)	<u>868</u>	<u>61,506</u>	<u>2,550</u>
USA	<u>601</u>	<u>44,079</u>	<u>1,829</u>
Hawaii	<u>62</u>	<u>4,416</u>	<u>189</u>
Guam	<u>80</u>	<u>4,368</u>	<u>178</u>
Others	<u>125</u>	<u>8,643</u>	<u>354</u>
11. Other Commodities	<u>13,471</u>	<u>813,136</u>	<u>33,520</u>
TOTAL-----	<u>143,039</u>	<u>11,528,727</u>	<u>474,279</u>

B. IMPORT

1. Imports of Fish and Fishery Products
By Kind, Quantity and Value, 1990

Commodity	Quantity (mt)	FOB Value	
		000 P	000 \$
Fresh/Frozen/ Chilled	4,907	91,679	3,904
Fish Meal	131,024	1,092,455	43,896
Canned	59,106	638,905	26,061
Salted, Dried, Smoked, etc.	19	3,024	132
Other Commodities	<u>1,059</u>	<u>27,680</u>	<u>1,135</u>
Grand Total-----	<u>196,115</u>	<u>1,853,743</u>	<u>75,128</u>

2. Major Fishery Imports, 1990
In Terms of Value

<u>Commodity/Country</u>	<u>Quantity</u> (mt)	<u>FOB Value</u>	
		<u>000 P</u>	<u>000 \$</u>
1) Frozen Sardines/Mackerels	<u>109,300</u>	<u>671,139</u>	<u>27,379</u>
Japan	<u>89,567</u>	<u>478,864</u>	<u>19,961</u>
Union of Soviet Socialist Republic	14,652	99,752	3,287
Papua New Guinea	3,181	60,415	2,385
Others	1,900	32,108	1,246
2) Fish Meal	<u>59,106</u>	<u>638,905</u>	<u>26,061</u>
Peru	<u>43,056</u>	<u>363,159</u>	<u>15,007</u>
Japan	7,649	174,286	7,056
USA	1,785	29,018	1,135
Others	6,616	72,442	2,863
3) Frozen Tuna	<u>21,672</u>	<u>417,457</u>	<u>16,356</u>
Papua New Guinea	<u>13,603</u>	<u>278,738</u>	<u>10,947</u>
China Republic of (Taiwan)	2,610	54,738	2,011
Trust Territory of the Pacific Island	901	17,717	700
Others	4,558	66,264	2,698
4) Other Commodities	<u>6,037</u>	<u>126,242</u>	<u>5,332</u>
<u>TOTAL-----</u>	<u>196,115</u>	<u>1,853,743</u>	<u>75,128</u>