

PHILIPPINE FISHERIES PROFILE^{1/}
As of December, 1985

I. FISHERY RESOURCES

1. Marine Resources

a. Total Territorial Water Area	-	220,000,000 ha.
b. Coastal	-	26,600,000 ha.
c. Oceanic	-	193,400,000 ha.
d. Shelf Area (depth 200 m)	-	18,460,000 ha.
e. Coastline (length)	-	17,460 km.

2. Inland Resources

a. Swamplands ^{2/}	-	<u>338,393 ha.</u>
> Freshwater	-	106,328 ha.
> Brackishwater	-	232,065 ha.
b. Existing Fishpond ^{3/}	-	<u>219,380 ha.</u>
- Freshwater	-	14,380 ha.
- Brackishwater	-	205,000 ha.

3. Other Inland Resources

a. Lakes	-	200,000 ha.
b. Rivers	-	31,000 ha.
c. Reservoirs	-	19,000 ha.

4. Other Supporting Facilities

a. No. of existing municipal fishing bancas	-	358,639 ^{4/}
b. No. of commercial fishing boat licenses processed	-	3,316

^{1/} Consolidated and prepared by the Planning and Management Division, BFAR, September 30, 1986

^{2/} Source of data: 1984 Philippine Forestry Statistics

^{3/} Source of data: 1985 Fisheries Statistics; this refers to productive fishponds only.

^{4/} Census of Fisheries, CY 1980

II. FISHERIES CONTRIBUTION TO ECONOMY

1. Contribution to Total GNP ^{2/}

- ❖ Current Prices - 4.7%
- ❖ Constant Prices - 5.0%

TOTAL FISH PRODUCTION FOR 1985 ^{6/}

	<u>QUANTITY</u> (000 MT)	<u>%</u>	<u>VALUE</u> (B P)	<u>%</u>
a. Aquaculture	495	24.1	8.7	27.8
b. Municipal Fisheries	1,045	50.9	14.7	47.0
c. Commercial Fisheries	<u>512</u>	<u>25.0</u>	<u>7.9</u>	<u>25.2</u>
TOTAL	<u>2,052</u>	<u>100.0</u>	<u>31.3</u>	<u>100.0</u>

FIVE-YEAR FISH PRODUCTION TREND (1978-1983)

<u>YEAR</u>	<u>QUANTITY</u> (M.T.)	<u>%</u> <u>INCREASE</u>	<u>VALUE</u> (000 P)	<u>%</u> <u>INCREASE</u>
1985	2,052,111	(1.36)	31,297,268	22.00
1984	2,080,439	(1.41)	25,649,933	35.13
1983	2,110,230	11.24	18,981,459	26.00
1982	1,896,983	7.00	15,063,966	7.96
1981	1,772,897	6.02	13,953,798	19.83
1980	1,672,254	5.75	11,644,350	10.51

EMPLOYMENT

a. Inland Fisheries	-----	222,000 persons ^{6/}
b. Municipal Fisheries	-----	773,042 persons ^{4/}
c. Commercial Fisheries	-----	<u>51,005 persons ^{6/}</u>
TOTAL	-----	<u>1,044,047 persons</u>

^{2/} Source of data: The National Income Accounts of the Philippines as of August 1986, National Accounts Staff, NEDA

^{4/} Preliminary data

Source of data: Fisheries Statistics Section

III. EXTERNAL TRADE

	1983		1984		1985 ⁷	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
Fishery Exports	75,588	1,593.0	63,055	2,179.0	95,077	3,496.0
Fishery Imports	23,038	110.9	6,097	50.3	28,755	118.1
Balance of Trade	<u>52,550</u>	<u>1,482.1</u>	<u>56,958</u>	<u>2,128.7</u>	<u>66,322</u>	<u>3,377.9</u>

MAJOR FISHERIES EXPORT IN TERMS OF VALUE, 1985

	<u>QUANTITY</u> (M.T.)	<u>VALUE</u> (P. 000)
1. SHRIMPS/PRAWN	<u>8,497</u>	<u>1,180,494</u>
Frozen/Chilled	8,105	1,158,358
Salted dried/cooked	310	18,978
Prepared whether or not in airtight containers	82	3,608
2. TUNA	<u>37,367</u>	<u>1,131,843</u>
Frozen/Chilled	11,899	259,639
Prepared or preserved in airtight containers	25,467	872,204
3. SEAWEEDS	<u>28,832</u>	<u>390,180</u>
Dried/Treated	23,749	364,675
Fresh	827	16,022
Salted	131	792
Kelp Meal	4,125	8,691
4. SHELLCRAFT ARTICLES	<u>2,915</u>	<u>228,944</u>
5. CUTTLFISH/SQUID	<u>1,141</u>	<u>80,240</u>
Fresh/Frozen/Chilled	1,042	72,749
Salted/Dried/Smoked	101	7,401
Prepared whether or not in airtight containers	1	90
6. FISH KEPT ALIVE FOR TRANSPORT	<u>2,268</u>	<u>77,924</u>
7. BANGUS (milkfish)	<u>1,587</u>	<u>60,855</u>
Frozen/Chilled	1,522	57,473
Dried/Salted or in brine	8	224
Smoked	10	478
Prepared or preserved in airtight containers	47	2,680
8. SHARK LIVER OIL	<u>513</u>	<u>59,143</u>
9. TREPANG (beche de mer)	<u>3,499</u>	<u>55,638</u>
10. ORNAMENTAL SHELLS	<u>1,067</u>	<u>27,398</u>

⁷ Source of Data: National Census and Statistics Office (NCSO).

MAJOR IMPORTS FOR 1985

	<u>QUANTITY</u> (Kgs.)	<u>VALUE</u> (P)
a. <u>Frozen Spanish Mackerel,</u>	<u>5,099,425</u>	<u>16,064,044</u>
<u>Hito and Others</u>		
> Singapore	754	103,722
> Hongkong	2,314	250,858
> Japan	5,096,357	15,709,464
b. <u>Frozen Tuna</u>	<u>140,574</u>	<u>1,042,850</u>
> Indonesia	140,574	1,042,850
c. <u>Fishmeal</u>	<u>23,252,533</u>	<u>91,334,577</u>
> USA	905,213	4,552,690
> Peru	19,021,452	66,013,002
> Brazil	1,200,000	4,933,679
> Other Countries	2,125,868	15,835,206

MAJOR SOURCES OF FISHERY IMPORTS

- 1) Peru
- 2) Japan
- 3) Thailand
- 4) U.S.A.
- 5) Brazil
- 6) Australia
- 7) Taiwan
- 8) Indonesia
- 9) Singapore
- 10) Hongkong

IV. FISH PRODUCTION

A. FISH PRODUCTION, BY SECTOR (1972-1985)⁸ (In Metric Tons)

YEAR	AQUACULTURE ⁹	MUNICIPAL ¹⁰	COMMERCIAL	TOTAL
1985 ¹¹	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
1979	241,198	839,358	500,747	1,581,303
1978	216,655	857,909	505,840	1,580,404
1977	163,590	827,100	518,165	1,508,855
1976	159,292	725,994	508,197	1,393,483
1975	106,461	731,725	498,617	1,336,803
1974	113,195	684,498	470,675	1,268,368
1973	99,600	639,795	465,442	1,204,837
1972	98,923	598,733	424,754	1,122,410

B. FISH PRODUCTION, BY SECTOR, BY REGION 1985

1. AQUACULTURE FISH PRODUCTION a) FRESHWATER FISHPONDS

REGION	TOTAL AREA (HA)	PRODUCTION (MT)
NCR	-	-
I	1,315	2,176
II	1,253	1,065
III	10,293	11,501
IV	372	202
V	117	53
VI	97	152
VII	-	-
VIII	71	29
IX-A	-	-
IX-B	127	51
X	385	396
XI	241	147
XII	109	110
TOTAL	<u>14,380</u>	<u>15,882</u>

⁸ Source: Fisheries Statistics Section, Information Division
Adjustments/revisions were made from 1976-1985 based on the new classification of Fisheries Sector.

⁹ 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.

¹⁰ Municipal includes fishing done in coastal and inland waters with or without boat of 3 gross tonnage or less.

¹¹ Preliminary data

b) BRACKISHWATER FISHPONDS

REGION	TOTAL AREA (HA)	PRODUCTION (MT) ¹²
NCR	693	624
I	16,578	21,628
II	1,097	635
III	53,492	64,902
IV	24,070	19,552
V	12,959	6,276
VI	50,361	56,550
VII	6,460	4,471
VIII	6,562	2,877
IX-A	1,593	862
IX-B	14,558	7,963
X	3,987	2,402
XI	7,997	6,001
XII	<u>4,593</u>	<u>3,803</u>
TOTAL	<u>205,000</u>	<u>198,546</u>

c) PRODUCTION OF FISHPEN AND FISH CAGES

REGION	FISHPEN	FISH CAGES
NCR	7,976	662
I	7	3
II	-	136
III	-	78
IV	43,660	4,840
V	1	1,447
VI	-	-
VII	-	-
VIII	19	7
IX-A	-	-
IX-B	220	-
X	-	-
XI	96	223
XII	-	<u>45</u>
TOTAL	<u>51,979</u>	<u>7,441</u>

¹² National Average Yield – 968 kgs/ha/yr

d) PRODUCTION OF OYSTERS, MUSSELS AND SEAWEEDS

REGION	OYSTERS	MUSSELS	SEAWEEDS
NCR	-	3,622	-
I	6,568	-	-
II	10	-	-
III	3,165	95	-
IV	2,592	5,550	1,920
V	62	1	1
VI	2,864	9,692	22
VII	-	-	21,187
VIII	-	3,720	4,850
IX-A	-	-	132,860
IX-B	-	-	21,815
X	-	-	-
XI	7	-	291
XII	-	-	-
TOTAL	<u>15,268</u>	<u>22,680</u>	<u>182,946</u>

2. *MUNICIPAL FISHERIES PRODUCTION, BY REGION, 1985*
(In Metric Tons)

REGION	MARINE	INLAND	TOTAL
NCR	5,806	5	5,811
I	11,240	644	11,884
II	6,511	2,649	9,160
III	17,304	5,804	23,108
IV	122,538	213,207	335,745
V	87,951	3,377	91,328
VI	141,852	2,252	144,104
VII	27,427	18	27,445
VIII	33,425	547	33,972
IX-A	60,309	93	60,402
IX-B	148,311	915	149,226
X	67,895	2,575	70,470
XI	34,922	843	35,765
XII	<u>19,641</u>	<u>27,321</u>	<u>46,962</u>
TOTAL	<u>785,132</u>	<u>260,250</u>	<u>1,045,382</u>

3. *COMMERCIAL FISHERIES PRODUCTION, BY REGION 1985*
(In Metric Tons)

REGION	MARINE COMMERCIAL
NCR	136,836
I	3,151
II	3,468
III	8,280
IV	56,600
V	39,973
VI	104,342
VII	28,897
VIII	11,083
IX-A	9,988
IX-B	60,197
X	6,030
XI	42,799
XII	<u>343</u>
TOTAL	<u>511,987</u>

C. COMMERCIAL FISHING VESSELS BY REGION¹³

REGION	NUMBER	TOTAL GROSS TONNAGE
NCR	1,183	91,841.67
I	30	580.58
II	162	961.78
III	84	1,214.38
IV	452	9,371.17
V	167	5,163.75
VI	323	17,890.32
VII	208	3,933.49
VIII	105	1,665.01
IX	284	6,733.96
X	44	1,212.73
XI	268	6,969.15
XII	<u>6</u>	<u>137.99</u>
TOTAL	<u>3,316</u>	<u>147,675.98</u>

¹³ Source of data: Licenses Division

D. PRODUCTION OF COMMERCIAL FISHING VESSELS BY GEAR, 1985

<u>Type of Gear</u>	<u>Quantity (MT)</u>	<u>Percentage (of commercial catch accounted for)</u>
Purse Seine	183,414	35.82
Otter Trawl	129,327	25.26
Bagnet	102,879	20.10
Others	96,367	18.82
TOTAL	<u>511,987</u>	<u>100.00</u>

V. CONSUMPTION^{14/}

A. PER CAPITA CONSUMPTION OF FISH AS OF 1982
(Kg/Year)

	<i>NATIONAL</i>	<i>LUZON</i>	<i>VISAYAS</i>	<i>MINDANAO</i>
1. Fish	40	36	49	46
> Fresh	25	22	31	28
> Dried	4	3	6	4
> Processed Fish	4	5	3	6
Bagoong	2	2	2	4
Patis	n*	1	n*	n*
Others	2	2	1	2
> Crustaceans & Mollusks	7	6	9	8

¹⁴ Source of Data: Food and Nutrition Research Institute

* Negligible

B. PER CAPITA CONSUMPTION OF OTHER FOOD AS OF 1982

	<i>NATIONAL</i>	<i>LUZON</i>	<i>VISAYAS</i>	<i>MINDANAO</i>
1. Dairy	16	20	11	7
2. Poultry Meat	4	5	3	2
3. Eggs	3	4	2	2
4. Pork	7	9	4	8
5. Beef	1	2	1	n*
6. Carabeef	n*	n*	n*	n*
7. Fruits	30	30	33	27
8. Vegetables	27	33	16	24

VI. **OTHER INFORMATION**

A. TEN MAJOR LAKES OF THE PHILIPPINES

<i>NAMES OF LAKES</i>	<i>LOCATION</i>	<i>AREA (HA)</i>
1. Laguna de Bay	Rizal	91,136
2. Lanao Lake	Lanao Sur	34,304
3. Taal Lake	Batangas	26,368
4. Lake Mainit	Agusan del Norte	14,848
5. Lake Buluan	Maguindanao	5,888
6. Lake Bato	Camarines Sur	3,793
7. Pagusi Lake	Surigao del Sur	2,531
8. Lake Labas	North Cotabato	1,141
9. Lake Lanao	Camotes Is., Cebu	1,192
10. Lumao Lake	Agusan del Sur	1,185

B. TEN MAJOR SPECIES OF FISH CAUGHT IN PHILIPPINE WATERS
CY 1984

<u>SPECIES</u>	<u>QUANTITY</u> <u>(M.T.)</u>	<u>% TO TOTAL</u> <u>CATCH</u>
1. Tuna & Tuna Like Species	<u>261,607</u>	<u>16.80</u>
- Frigate tunas (tulingan)	95,718	
- Yellowfin & big eyed tuna (tambakol)	64,293	
- Skipjack (guliasan)	60,536	
- Eastern little tuna (oceanic bonito katchorita)	41,060	
2. Roundscad (galunggong)	131,708	8.46
3. Sardines (tunsoy, tamban)	109,885	7.06
4. Anchovies (dilis)	81,927	5.26
5. Slipmouth (sapsap)	65,316	4.19
6. Thread fin bream (bisugo)	43,977	2.82
7. Big-eyed scad (matangbaka)	37,445	2.40
8. Round herring (tulis)	33,481	2.15
9. Indian mackerel (alumahan)	30,146	1.94
10. Indo-Pacific mackerel (hasa-hasa)	28,929	1.86