

PHILIPPINE FISHERIES PROFILE
As of December, 1983

I. FISHERY RESOURCES

1. Marine Resources

a. Total Marine Water Area	-	220,000,000 has.
b. Coastal	-	26,600,000 has.
c. Oceanic	-	140,000,000 has.
d. Shelf Area (depth 200 m)	-	18,460,000 has.
e. Coastline (length)	-	17,460 km.

2. Inland Resources

a. Swamplands ^{1/}	-	<u>357,000 hectares</u>
> Freshwater	-	115,000 hectares
> Brackishwater	-	242,000 hectares
b. Existing Fishpond ^{2/}	-	<u>209,886 hectares</u>
- Freshwater	-	13,586 hectares
- Brackishwater	-	196,300 hectares

3. Other Inland Resources - 250,000 hectares

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

4. Other Supporting Facilities

a. No. of existing municipal fishing bancas	-	358,639*
b. No. of commercial fishing boat licenses processed	-	3,484

¹ Source of data: 1981 Philippine Forestry Statistics

² Source of data: 1983 Fisheries Statistics

* Census of Fisheries, CY 1980

II. FISHERIES CONTRIBUTION TO ECONOMY

1. Contribution to Total GNP - 4.6% ^{3/}

TOTAL FISH PRODUCTION FOR 1983 ⁴

	<u>QUANTITY</u> <u>(000 MT)</u>	<u>%</u>	<u>VALUE</u> <u>(B P)</u>	<u>%</u>
a. Aquaculture	445	21.1	4.8	25.4
b. Municipal Fisheries	1,146	54.3	9.5	50.3
c. Commercial Fisheries	519	24.6	4.6	24.3
TOTAL	<u>1,897</u>	<u>100.0</u>	<u>18.9</u>	<u>100.0</u>

FIVE-YEAR FISH PRODUCTION TREND (1978-1983)

<u>YEAR</u>	<u>QUANTITY</u> <u>(M.T.)</u>	<u>%</u> <u>INCREASE</u>	<u>VALUE</u> <u>(000 P)</u>	<u>%</u> <u>INCREASE</u>
1983 ^{4/}	2,110,230	11.24	18,976,882	25.98
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
1979	1,581,303	.06	10,536,747	11.18
1978	1,580,404	4.74	9,477,276	7.60

EMPLOYMENT

a. Inland Fisheries	-----	210,000 persons ^{5/}
b. Municipal Fisheries	-----	773,042 persons ^{6/}
c. Commercial Fisheries	-----	<u>44,880 persons ^{5/}</u>
TOTAL	-----	<u>1,027,922 persons</u>

^{3/} Preliminary estimate, based on current prices.

Source of data: National Accounts Staff, NEDA

^{4/} Preliminary data.

^{5/} Fisheries Statistics, CY 1983

^{6/} Census of Fisheries, CY 1980

III. EXTERNAL TRADE

FISHERY EXPORTS, 1982-1983*

<u>1982</u>		<u>1983</u>	
<u>QUANTITY</u> (M.T.)	<u>VALUE</u> (P M)	<u>QUANTITY</u> (M.T.)	<u>VALUE</u> (P M)
68,265	1,120	75,589	1,593

MAJOR TOP TEN FISHERIES EXPORT IN TERMS OF VALUE, 1983

	<u>QUANTITY</u> (M.T.)	<u>VALUE</u> (P 000)
1. Tuna	<u>42,157</u>	<u>800,764</u>
F/C	18,532	235,114
Smoked	88	1,942
Canned **	23,537	563,708
2. Shrimps	<u>4,836</u>	<u>342,432</u>
Live	14	485
F/C	4,571	337,225
Dried	251	4,722
3. Seaweeds	<u>16,654</u>	<u>111,979</u>
Fresh	149	2,559
Salted	1	22
Dried	14,961	93,179
Kelp Meal	910	1,059
Treated	633	15,160
4. Shellcraft Article	<u>1,382</u>	<u>93,834</u>
5. Aquarium Fish	<u>1,633</u>	<u>36,129</u>
6. Cuttlefish/Squid	<u>786</u>	<u>30,374</u>
F/C	696	26,663
Dried	90	3,711
7. Frozen Milkfish	<u>1,237</u>	<u>22,837</u>
8. Miscellaneous Species (Frozen/Chilled)	<u>1,310</u>	<u>22,682</u>
9. Ornamental Shells	<u>1,422</u>	<u>21,015</u>
10. Dried Sea Cucumber	<u>1,222</u>	<u>19,529</u>

* Preliminary data

** Source of data, National Census & Statistics Office

FISHERY IMPORTS *

1982		1983	
QUANTITY (M.T.)	VALUE (P M)	QUANTITY (M.T.)	VALUE (P M)
83,445	443.7	23,038	110.9

MAJOR IMPORTS FOR 1983

	QUANTITY (Kgs.)	VALUE (P)
a. <u>Canned Mackerel</u>	<u>845,344</u>	<u>7,214,655</u>
➤ Japan	301,737	3,619,161
➤ China	301,296	1,730,537
➤ U.S.A.	242,311	1,864,957
b. <u>Sardines</u>	<u>4,040,388</u>	<u>38,373,308</u>
➤ Japan	3,929,210	35,028,499
➤ Portugal	111,178	3,344,809
c. <u>Fishmeal</u>	<u>14,095,716</u>	<u>43,507,191</u>
➤ U.S.A.	383,378	1,798,961
➤ Peru	10,194,131	30,322,005
➤ Thailand	2,086,617	5,978,332
➤ Japan	87,500	824,776
➤ Brazil	1,200,000	3,608,487
➤ Norway	36,000	193,544
➤ Denmark	100,000	524,034
➤ China (Mainland)	900	213,733
➤ Hongkong	3,190	22,981
➤ Republic of China (Taiwan)	4,000	20,338

* Preliminary data.

Source of data: National Census and Statistics Office

MAJOR SOURCES OF FISHERY IMPORTS

Peru
Japan
Thailand
Australia
U.S.A.
Brazil
Portugal
China (Mainland)
Hongkong
Taiwan

IV. MAGNITUDE OF FISHERY LOANS GRANTED BY FINANCING INSTITUTIONS, 1982-83 (P M AT CURRENT PRICES) ^{7/}

	1982			1983		
	<u>GOVERN- MENT</u>	<u>PRIVATE</u>	<u>TOTAL</u>	<u>GOVERN- MENT</u>	<u>PRIVATE</u>	<u>TOTAL</u>
Production	91.8	1,445.4	1,537.2	68.4	3,072.8	3,141.2
Processing	3.0	-	3.0	Not	available	
Marketing	<u>8.3</u>	<u>716.0</u>	<u>724.3</u>	Not	available	
TOTAL	<u>103.1</u>	<u>2,161.4</u>	<u>2,264.5</u>	<u>68.4</u>	<u>3,072.8</u>	<u>3,141.2</u>

^{7/} Source: TBAC's Technical Paper on Fisheries Credit Requirement, 1983.

V. FISH PRODUCTION

A. FISH PRODUCTION BY SECTOR (1973-1983)
(In Metric Tons)

<u>YEAR</u>	<u>FISHPONDS</u>	<u>MUNICIPAL</u>	<u>COMMERCIAL</u>	<u>TOTAL</u>
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

B. FISH PRODUCTION, BY SECTOR, BY REGION, 1983

I. AQUACULTURE FISH PRODUCTION

A. FRESHWATER FISHPONDS

<u>REGIONS</u>	<u>TOTAL AREA</u> <u>(HAS.)</u>	<u>PRODUCTION</u> <u>(M.T.)</u>
NCR	-	-
I	1,539	2,429
II	1,141	684
III	9,816	8,284
IV	374	143
V	52	15
VI	81	79
VII	-	-
VIII	28	11
IX-A	-	-
IX-B	127	38
X	257	104
XI	61	164
XII	110	101
TOTAL	<u>13,586</u>	<u>12,052</u>

^{§/} Preliminary data.

B. BRACKISHWATER FISHPONDS

REGIONS	TOTAL AREA (HA.)	PRODUCTION (M.T.) ^{9/}
NCR	752	677
I	16,676	21,174
II	576	388
III	46,094	59,932
IV	29,568	18,672
V	12,966	5,905
VI	42,372	51,069
VII	6,087	3,711
VIII	7,361	2,834
IX-A	1,449	429
IX-B	14,564	6,591
X	4,099	1,619
XI	9,102	6,927
XII	4,603	3,845
TOTAL	<u>196,269</u>	<u>183,773</u>

C. PRODUCTION OF FISHPEN AND FISH CAGES

REGIONS	FISHPEN	FISH CAGES
NCR	-	-
I	-	-
II	-	-
III	60	23
IV	82,442	3,454
V	-	746
VI	-	-
VII	-	-
VIII	16	33
IX-A	-	-
IX-B	-	-
X	-	-
XI	46	315
XII	-	93
TOTAL	<u>82,564</u>	<u>4,664</u>

^{9/} National Average Yield - 936 kgs/ha/yr

D. PRODUCTION OF OYSTERS, MUSSELS AND SEAWEEDS

REGIONS	OYSTERS	MUSSELS	SEAWEEDS
NCR	-	4,460	-
I	4,959	-	-
II	-	-	-
III	2,148	-	-
IV	2,040	3,660	1,975
V	279	-	-
VI	1,877	10,386	-
VII	-	-	16,829
VIII	-	-	4,650
IX-A	-	-	96,975
IX-B	-	-	11,775
X	-	-	-
XI	7	-	-
XII	-	-	-
TOTAL	<u>11,310</u>	<u>18,506</u>	<u>132,204</u>

2. MUNICIPAL FISHERIES PRODUCTION, BY REGION 1983
(In Metric Tons)

REGION	MARINE	FRESHWATER	TOTAL
NCR	7,252	3	7,255
I	9,158	500	9,658
II	6,186	93	6,279
III	13,715	3,770	17,485
IV	113,748	232,339	346,087
V	86,296	1,799	88,095
VI	154,464	2,100	156,564
VII	26,020	13	26,033
VIII	34,704	236	34,940
IX-A	54,926	19	54,945
IX-B	144,606	151	144,757
X	64,005	1,759	65,764
XI	34,179	634	34,813
XII	<u>21,729</u>	<u>131,437</u>	<u>153,166</u>
TOTAL	<u>770,988</u>	<u>374,853</u>	<u>1,145,841</u>

3. COMMERCIAL FISHERIES PRODUCTION, BY REGION 1983
(In Metric Tons)

REGIONS	MARINE COMMERCIAL
NCR	170,160
I	2,148
II	1,524
III	7,207
IV	52,782
V	34,077
VI	123,922
VII	20,264
VIII	9,124
IX-A	11,043
IX-B	53,384
X	5,027
XI	27,639
XII	1,015
TOTAL -----	<u>519,316</u>

C. COMMERCIAL FISHING VESSELS BY REGION^{10/}
CY 1983

REGIONS	NUMBER	TOTAL GROSS INCOME
NCR	1,383	106,718.21
I	34	740.30
II	136	801.44
III	101	1,239.95
IV	375	8,108.84
V	166	3,932.52
VI	387	20,562.89
VII	204	3,263.50
VIII	105	1,746.38
IX	202	4,070.46
X	56	1,364.50
XI	322	9,887.37
XII	13	344.51
TOTAL	<u>3,484</u>	<u>162,780.87</u>

^{10/} Source of Data: Licenses Division.

D. PRODUCTION OF COMMERCIAL FISHING VESSELS BY GEAR, 1983

TYPE OF GEAR	QUANTITY (M.T.)	PERCENTAGE (OF COMMERCIAL CATCH ACCOUNTED FOR)
Purse Seine	212,979	41.01
Otter Trawl	152,106	29.29
Bagnet	84,958	16.36
Others	<u>69,273</u>	<u>13.34</u>
TOTAL	<u>519,316</u>	<u>100.00%</u>

VI. CONSUMPTION

PER CAPITA CONSUMPTION OF FISH AS OF 1982^{11/}

	<u>NATIONAL</u>	<u>LUZON</u>	<u>VISAYAS</u>	<u>MINDANAO</u>
1. Fish	<u>40</u>	<u>36</u>	<u>49</u>	<u>46</u>
- Fresh	<u>25</u>	<u>22</u>	<u>31</u>	<u>28</u>
- Dried	<u>4</u>	<u>3</u>	<u>6</u>	<u>4</u>
- Processed Fish	<u>4</u>	<u>5</u>	<u>3</u>	<u>6</u>
Bagoong	2	2	2	4
Patis	n*	1	n*	n*
Others	2	2	1	2
-Crustaceans & Mollusks	<u>7</u>	<u>6</u>	<u>9</u>	<u>8</u>
2. Dairy	16	20	11	7
3. Poultry Meat	4	5	3	2
4. Eggs	3	4	2	2
5. Pork	7	9	4	8
6. Beef	1	2	1	n*
7. Carabeef	n*	n*	n*	n*
8. Fruits	30	30	33	27
9. Vegetables	27	33	16	24

^{11/} Source of Data – Food and Nutrition Research Institute
*Negligible

VII. OTHER INFORMATION

A. TEN MAJOR LAKES OF THE PHILIPPINES

<i>NAMES OF LAKES</i>	<i>LOCATION</i>	<i>AREA (HAS.)</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	2,141
9. Lanao 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 1983

<i>SPECIES</i>	<i>QUANTITY</i>	<i>% TO TOTAL CATCH</i>
1. Tuna & Tuna Like Species	242,557	<u>18.80</u>
- Frigate tunas (tulingan)	74,333	
- Yellowfin & big eyed tuna (tambakol)	62,092	
- Skipjack (guliasan)	57,068	
- Eastern little tuna (oceanic bonito katchoreta)	49,064	
2. Roundscad (galunggong)	165,330	12.81
3. Sardines (tunsoy, tamban)	151,201	11.72
4. Anchovies (dilis)	91,367	7.08
5. Slipmouth (sapsap)	59,294	4.60
6. Indian mackerel (alumahan)	38,742	3.00
7. Thread fin bream (bisugo)	34,226	2.65
8. Indo-Pacific Mackerel (Hasa-Hasa)	24,348	1.89
9. Big-eyed scad (matangbaka)	22,367	1.73
10. Cavalla (Talakitok)	20,906	1.62