

PHILIPPINE FISHERIES PROFILE
As of December, 1982

I. FISHERY RESOURCES

1. Marine Resources

a. Total Marine Water Area	-	1,666,600,000 has.
b. Coastal	-	26,600,000 has.
c. Oceanic	-	140,000,000 has.
d. Shelf Area (depth 200 m)	-	184,600 sq.km.
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>208,000 hectares</u>
- Freshwater	-	12,000 hectares
- Brackishwater	-	196,000 hectares

3. Other Inland Resources

-	-	<u>250,000 hectares</u>
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	-	214,797
b. No. of commercial fishing boat licenses processed	-	3,419

¹ Source of data: 1981 Philippine Forestry Statistics

² Source of data: 1982 Fisheries Statistics

II. FISHERIES CONTRIBUTION TO ECONOMY

1. Contribution to Total GNP - 4.4% ^{2/}

TOTAL FISH PRODUCTION FOR 1982*

	<u>QUANTITY</u> (000 MT)	<u>%</u>	<u>VALUE</u> (B P)	<u>%</u>
a. Aquaculture	392	21.0	3.4	22.0
b. Municipal Fisheries	979	51.0	7.3	49.0
c. Commercial Fisheries	526	28.0	4.3	29.0
TOTAL	<u>1,897</u>	<u>100.0</u>	<u>15.0</u>	<u>100.0</u>

FIVE-YEAR FISH PRODUCTION TREND (1977-1982)

<u>YEAR</u>	<u>QUANTITY</u> (M.T.)	<u>%</u> <u>INCREASE</u>	<u>VALUE</u> (000 P)	<u>%</u> <u>INCREASE</u>
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
1977	1,508,855	8.28	8,809,203	20.71

EMPLOYMENT

a. Inland Fisheries	-----	208,000 persons
b. Municipal Fisheries	-----	574,000 persons
c. Commercial Fisheries	-----	<u>45,000 persons</u>
TOTAL	-----	<u>827,000 persons</u>

III. EXTERNAL TRADE

FISHERY EXPORTS, 1981 - 1982*

<u>1981</u>		<u>1982</u>	
<u>QUANTITY</u> (M.T.)	<u>VALUE</u> (P M)	<u>QUANTITY</u> (M.T.)	<u>VALUE</u> (P M)
83,736	1,251	68,265	1,120

^{2/} Advance estimate

* Preliminary

MAJOR TOP TEN FISHERIES EXPORT
IN TERMS OF VALUE, 1982*

	<u>QUANTITY</u> <u>(M.T.)</u>	<u>VALUE</u> <u>(P 000)</u>
1. Tuna	<u>37,335</u>	<u>542,168</u>
F/C	17,731	146,050
Smoked	193	4,202
Canned **	19,411	391,916
2. Shrimps	<u>4,494</u>	<u>277,220</u>
Live	11	359
F/C	4,324	273,653
Dried	159	3,208
3. Seaweeds	<u>16,779</u>	<u>80,048</u>
Fresh	174	2,173
Salted	654	6,037
Dried	15,419	71,381
Kelp Meal	532	457
4. Shellcraft Article	<u>1,037</u>	<u>61,251</u>
5. Aquarium Fish	<u>1,543</u>	<u>23,774</u>
6. Cuttlefish/Squid	<u>558</u>	<u>20,542</u>
F/C	490	18,880
Dried	68	1,662
7. Ornamental Shells	<u>1,531</u>	<u>17,991</u>
8. Miscellaneous Species (Frozen/Chilled)	<u>1,008</u>	<u>17,990</u>
9. Frozen Milkfish	<u>696</u>	<u>12,286</u>
10. MOP	<u>356</u>	<u>10,696</u>

FISHERY IMPORTS *

<u>1981</u>		<u>1982</u>	
<u>QUANTITY</u> <u>(M.T.)</u>	<u>VALUE</u> <u>(P M)</u>	<u>QUANTITY</u> <u>(M.T.)</u>	<u>VALUE</u> <u>(P M)</u>
46,850	288	83,445	443.7

* Preliminary

** Source of data, National Census & Statistics Office

MAJOR IMPORTS FOR 1982

	<u>QUANTITY</u> (Kgs.)	<u>VALUE</u> (P)
a. <u>Canned Mackerel</u>	4,661,594	36,640,793
➤ Japan	852,965	9,321,063
➤ China	1,296,896	8,332,282
➤ Hongkong	70	6,286
➤ U.S.A.	2,511,663	18,981,162
b. <u>Sardines</u>	29,072,998	252,353,538
➤ Japan	28,546,863	244,277,581
➤ China	-	-
➤ Portugal	143,186	5,583,515
➤ Peru	278,624	1,695,918
➤ Thailand	104,186	796,524
c. <u>Fishmeal</u>	41,052,178	119,295,926
➤ U.S.A.	325,588	1,045,087
➤ Peru	24,552,330	70,805,158
➤ Chile	6,784,553	19,703,323
➤ Thailand	2,294,438	5,814,585
➤ Japan	17,500	98,809
➤ Brazil	2,100,000	5,259,023
➤ Ecuador	4,956,911	16,472,816
➤ Hawaii	15,422	46,649
➤ Uruguay	-	-
➤ Taiwan	5,436	50,476

MAJOR SOURCES OF FISHERY IMPORTS

Japan
Thailand
Chile
U.S.A.
China
Peru
Brazil
Ecuador
Portugal
Australia

IV. CREDIT

A. LOANS GRANTED TO FISHERIES, 1976-1980 (In Thousand Pesos)

	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>
DBP ^{4/}	226,327	66,557	81,259	82,058	135,794
PNB ^{5/}	13,362	2,986	4,910	3,813	3,931
Other Commercial Bank	207,338	NA	NA	NA	NA
Private Development Bank ^{6/}	18,590	9,580	15,350	17,300	16,300
Rural Banks ^{6/}	<u>50,600</u>	<u>61,900</u>	<u>72,500</u>	<u>94,200</u>	<u>125,400</u>
TOTAL	<u>516,217</u>	<u>141,023</u>	<u>174,019</u>	<u>197,371</u>	<u>281,425</u>

^{4/} SOURCE OF DATA: ACCOUNTING DEPARTMENT, DBP

^{5/} SOURCE OF DATA: DEPARTMENT OF ECONOMIC RESEARCH AND STATISTICS, PNB

^{6/} SOURCE OF DATA: DEPARTMENT OF ECONOMIC RESEARCH AND STATISTICS, CB

A. FISH PRODUCTION BY SECTOR (1972-1982)
(In Metric Tons)

<u>YEAR</u>	<u>FISHPONDS</u>	<u>MUNICIPAL</u>	<u>COMMERCIAL</u>	<u>TOTAL</u>
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	133,598 ^{Z/}	946,958	500,747	1,581,303
1978	118,682	955,882	505,840	1,580,404
1977	115,756	874,934	518,165	1,508,855
1976	112,761	772,525	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 ^{Z/}	598,733	424,754	1,122,410

B. FISHPONDS IN OPERATION, BY REGION 19802

1. AQUACULTURE FISH PRODUCTION

A. FRESHWATER FISHPONDS

<u>REGION</u>	<u>TOTAL AREA</u> (HAS.)	<u>PRODUCTION</u> (M.T.)
NCR	-	-
I	1,334	1,868
II	1,041	624
III	9,039	8,370
IV	235	69
V	154	63
VI	77	67
VII	-	-
VIII	-	-
IX-A	-	-
IX-B	76	23
X	221	66
XI	101	49
XII	<u>154</u>	<u>87</u>
<u>TOTAL</u>	<u>12,432</u>	<u>11,286</u>

* Preliminary

^{Z/} Production from 1972-79 is for fishponds only.

B. BRACKISHWATER FISHPONDS

REGION	TOTAL AREA (HA.)	PRODUCTION (M.T.) ^{s/}
NCR	752	677
I	13,409	16,294
II	819	553
III	42,993	56,614
IV	29,983	18,553
V	12,091	6,159
VI	44,501	52,904
VII	6,784	4,406
VIII	9,658	4,703
IX-A	57	17
IX-B	18,592	8,418
X	5,487	2,407
XI	5,443	4,305
XII	<u>5,263</u>	<u>4,474</u>
TOTAL	<u>195,832</u>	<u>180,484</u>

^{s/} National Average Yield – 920 kgs./ha./yr.

C. PRODUCTION OF FISHPEN AND FISHCAGES

REGION	FISHPEN	FISHCAGES
NCR	-	-
I	-	-
II	-	1
III	-	-
IV	60,554	4,405
V	1	442
VI	-	-
VII	-	-
VIII	44	20
IX-A	-	-
IX-B	-	-
X	-	-
XI	59	362
XII	<u>409</u>	<u>261</u>
TOTAL	<u>61,066</u>	<u>5,491</u>

D. PRODUCTION OF OYSTERS, MUSSELS AND SEAWEEDS

REGION	OYSTERS	MUSSELS	SEAWEEDS
NCR	-	68	-
I	100	-	-
II	-	-	-
III	5,071	4	-
IV	6,600	3,105	4,385
V	70	-	-
VI	7,095	3,059	1,223
VII	-	-	16,240
VIII	-	-	180
IX-A	53	23	68,250
IX-B	13	48	18,433
X	-	-	-
XI	-	1	-
XII	-	-	-
TOTAL	<u>19,002</u>	<u>6,308</u>	<u>108,711</u>

2. MUNICIPAL FISHERIES PRODUCTION, BY REGION 1982
(IN METRIC TONS)

REGION	MARINE	FRESHWATER	TOTAL
NCR	7,831	2	7,833
I	10,388	450	10,838
II	11,139	59	11,198
III	16,292	3,046	19,338
IV	132,863	223,523	356,386
V	78,880	1,960	80,840
VI	119,489	2,482	121,971
VII	26,380	13	26,393
VIII	34,562	48	34,610
IX-A	66,885	30	66,915
IX-B	101,316	101	101,417
X	57,397	1,826	59,223
XI	32,093	643	32,736
XII	<u>12,501</u>	<u>36,163</u>	<u>48,664</u>
TOTAL	<u>708,016</u>	<u>270,346</u>	<u>978,362</u>

3. COMMERCIAL FISHERIES PRODUCTION, BY REGION 1982
(IN METRIC TONS)

REGION	MARINE COMMERCIAL
NCR	165,017
I	2,502
II	1,634
III	7,792
IV	58,517
V	39,185
VI	120,545
VII	21,503
VIII	9,184
IX-A	6,631
IX-B	61,212
X	4,295
XI	27,471
XII	<u>785</u>
TOTAL	<u>526,273</u>

SOURCE OF BASIC DATA: 1982 FISHERIES STATISTICS

C. COMMERCIAL FISHING VESSELS BY REGION^{2/}
CY 1982

REGIONS	NUMBER	TOTAL GROSS TONNAGE
NCR	1,271	104,880.14
I	29	716.25
II	137	832.40
III	120	1,411.73
IV	319	6,167.17
V	177	4,261.86
VI	404	20,191.64
VII	239	3,700.31
VIII	89	1,521.28
IX	282	4,857.82
X	55	1,431.06
XI	277	9,145.01
XII	<u>20</u>	<u>481.01</u>
TOTAL	<u>3,419</u>	<u>159,598.11</u>

D. PRODUCTION OF COMMERCIAL FISHING VESSELS
BY GEAR, 1982

<i>TYPE OF GEAR</i>	<i>QUANTITY (M.T.)</i>	<i>PERCENTAGE (OF COMMERCIAL CATCH ACCOUNTED FOR)</i>
Purse Seine	198,179	37.66
Otter Trawl	151,836	28.85
Bagnet	114,624	21.78
Others	<u>61,634</u>	<u>11.71</u>
TOTAL	<u>526,273</u>	<u>100.00%</u>

^{2/} SOURCE OF DATA: LICENSES DIVISION

VI. CONSUMPTION

PER CAPITA CONSUMPTION^{10/} (KG/YR)

	NATIONAL	LUZON	VISAYAS	MINDANAO
1. Fish	<u>37.3</u>	<u>37.2</u>	<u>41.3</u>	<u>33.2</u>
-Fresh	<u>21.9</u>	<u>21.9</u>	<u>23.7</u>	<u>19.0</u>
-Dried	<u>3.7</u>	<u>2.9</u>	<u>6.6</u>	<u>3.3</u>
-Processed fish	<u>4.4</u>	<u>5.1</u>	<u>2.6</u>	<u>5.1</u>
Bagoong	2.6	2.6	1.5	3.3
Patis	0.4	0.4	0	0
Others	1.4	2.2	0.7	1.8
- Crustaceans & Mollusks	<u>7.3</u>	<u>7.3</u>	<u>8.4</u>	<u>5.8</u>
2. Dairy	12.0	15.3	6.9	8.4
3. Poultry Meat	2.6	3.3	1.8	2.8
4. Eggs	2.9	3.7	1.8	1.8
5. Pork	4.4	5.8	1.8	1.5
6. Beef	1.1	1.5	0.4	1.1
7. Carabeef	1.1	0.7	1.1	3.7
8. Fruits	27.0	26.3	28.5	27.4
9. Vegetables	34.3	40.5	24.1	27.0

VII. OTHER INFORMATION

A. TEN MAJOR LAKES OF THE PHILIPPINES

NAMES OF LAKES	LOCATION	AREA (HAS.)
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

^{10/} Data as of 1978, furnished by FNRC

B. TEN MAJOR FISHING AREAS OF THE PHILIPPINES, CY 1982

<u>MAJOR FISHING AREAS</u>	<u>PRODUCTIVITY</u>	
	<u>QUANTITY</u>	<u>% TO TOTAL CATCH</u>
1. Visayan Sea	180,729	13.21
2. West Sulu Sea	131,532	9.61
3. Moro Gulf	126,844	9.27
4. South Sulu Sea	110,946	8.11
5. Lamon Bay	88,469	6.47
6. East Sulu Sea	74,691	5.46
7. Cuyo Pass	48,865	3.57
8. Guimaras Strait	48,843	3.56
9. Bohol Sea	47,639	3.48
10. Leyte Gulf	45,770	3.35

C. TEN MAJOR SPECIES OF FISH CAUGHT IN PHILIPPINE WATERS
CY 1982

<u>SPECIES</u>	<u>QUANTITY (M.T.)</u>	<u>% TO TOTAL CATCH</u>
1. Tuna & Tuna Like Species	216,604	17.55
- Frigate tunas (tulingan)	67,363	
- Yellowfin & big eyed Tuna (tambacol)	51,922	
- Skipjack (guliasan)	50,795	
- Eastern little tuna (oceanic bonito katchoreta)	46,524	
2. Roundscad (galunggong)	183,253	14.85
3. Sardines (tunsoy, tamban)	147,746	11.97
4. Anchovies	77,495	6.28
5. Slipmouth (sapsap)	53,738	4.35
6. Thread fin bream (bisugo)	30,883	2.50
7. Cavalla (Talakitok)	27,654	2.24
8. Big-eyed scad (matangbaka)	27,232	2.21
9. Acetes (alamang)	25,947	2.10
10. Indian mackerel (alumahan)	24,229	1.96