

PHILIPPINE FISHERIES PROFILE
As of December, 1981

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 | - | <u>380,000 hectares</u> |
| ➤ Freshwater | - | 128,000 hectares |
| ➤ Brackishwater | - | 252,000 hectares |
| b. Existing Fishpond | - | <u>182,000 hectares</u> |
| - Freshwater | - | 6,000 hectares |
| - Brackishwater | - | 176,000 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 | - | 214,797 |
| b. No. of commercial fishing boat licenses processed | - | 2,998 |

II. FISHERIES CONTRIBUTION TO ECONOMY

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

TOTAL FISH PRODUCTION FOR 1981 ²

| | <u>QUANTITY</u> (000 MT) | <u>%</u> | <u>VALUE</u> (B P) | <u>%</u> |
|---|-----------------------------|--------------|-----------------------|--------------|
| a. Aquaculture (Fishponds, Fish Cages, Fishpens | 208 | 12.0 | 1.7 | 14.0 |
| b. Municipal Fisheries | 1,034 | 60.0 | 6.4 | 53.0 |
| c. Commercial Fisheries | 495 | 28.0 | 4.0 | 33.0 |
| TOTAL | <u>1,737</u> | <u>100.0</u> | <u>12.1</u> | <u>100.0</u> |

FIVE-YEAR FISH PRODUCTION TREND (1975-1980)

| <u>YEAR</u> | <u>QUANTITY</u> (M.T.) | <u>VALUE</u> (000 P) |
|-------------|---------------------------|-------------------------|
| 1981 | 1,737,207 | 12,096,693 |
| 1980 | 1,672,254 | 11,644,350 |
| 1979 | 1,581,303 | 10,536,747 |
| 1978 | 1,580,404 | 9,477,276 |
| 1977 | 1,508,855 | 8,809,203 |
| 1976 | 1,393,483 | 7,297,946 |
| 1975 | 1,336,803 | 5,918,127 |

EMPLOYMENT

| | | |
|-------------------------|-------|------------------------|
| a. Inland Fisheries | ----- | 176,000 persons |
| b. Municipal Fisheries | ----- | 574,000 persons |
| c. Commercial Fisheries | ----- | 45,000 persons |
| TOTAL | ----- | <u>795,000 persons</u> |

III. EXTERNAL TRADE

FISHERY EXPORTS, 1980-1981

| <u>1980</u> | | <u>1981</u> | |
|---------------------------|-----------------------|---------------------------|-----------------------|
| <u>QUANTITY</u> (M.T.) | <u>VALUE</u> (P M) | <u>QUANTITY</u> (M.T.) | <u>VALUE</u> (P M) |
| 76,179 | 939 | 65,703 | 843 |

^{1/} Advance estimate

² Preliminary data

MAJOR IMPORTS FOR 1981

| | <u>QUANTITY</u> (Kgs.) | <u>VALUE</u> (P) |
|---------------------------|---------------------------|---------------------|
| a. <u>Canned Mackerel</u> | 3,835,194 | 28,644,066 |
| ✔ Japan | 3,060,418 | 23,995,856 |
| ✔ China | 729,342 | 4,344,087 |
| ✔ Hongkong | 45,434 | 304,123 |
| b. <u>Sardines</u> | <u>23,655,279</u> | <u>179,759,202</u> |
| ✔ Japan | 23,133,445 | 175,423,325 |
| ✔ Peru | 430,000 | 1,756,386 |
| ✔ Portugal | 91,834 | 2,579,491 |
| c. <u>Fishmeal</u> | <u>15,391,599</u> | <u>51,853,019</u> |
| ✔ U.S.A. | 3,386,152 | 10,316,604 |
| ✔ Peru | 1,846,992 | 7,259,423 |
| ✔ Chile | 5,079,227 | 18,667,057 |
| ✔ India | 1,077,412 | 3,111,181 |
| ✔ Thailand | 3,847,900 | 12,444,725 |
| ✔ Japan | | |

MAJOR SOURCES OF FISHERY IMPORTS

Japan
 Thailand
 Chile
 Peru
 Federation of Malaya
 United States
 Hongkong
 China
 Portugal
 Australia

^v AS OF NOVEMBER, 1981

MAJOR IMPORTS FOR 1981

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MAJOR TOP TEN FISHERIES EXPORT
IN TERMS OF VALUE, 1981

| | <u>QUANTITY</u> (M.T.) | <u>VALUE</u> (P.M) |
|---|---------------------------|-----------------------|
| 1. Frozen/Chilled Tuna | 35,830 | 361 |
| 2. Frozen Shrimps | 2,899 | 172 |
| 3. Shellcraft Article | 1,465 | 73 |
| 4. Dried Seaweeds | 14,937 | 58 |
| 5. Aquarium Fish | 1,827 | 23 |
| 6. Ornamental Shells | 2,167 | 17 |
| 7. Frozen Cuttlefish/Squid | 411 | 16 |
| 8. Miscellaneous Species (Frozen/Chilled) | 946 | 15 |
| 9. Reptile/Sea Snake Skin (Dried) | 17 | 13 |
| 10. Shark Liver Oil | 380 | 12 |

FISHERY IMPORTS

| <u>1980</u> | | <u>1981 ^{1/}</u> | |
|---------------------------|-----------------------|---------------------------|-----------------------|
| <u>QUANTITY</u> (M.T.) | <u>VALUE</u> (P.M) | <u>QUANTITY</u> (M.T.) | <u>VALUE</u> (P.M) |
| 53,000 | 274 | 44,611 | 275 |

B. FISHPONDS IN OPERATION, BY REGION 1980

| <u>REGION</u> | <u>TOTAL AREA</u> (<u>HAS.</u>) | <u>PRODUCTION</u> ^{2/} (<u>M.T.</u>) |
|---------------|--------------------------------------|--|
| NCR | 1,923 | 1,403 |
| I | 10,494 | 8,812 |
| II | 881 | 176 |
| III | 30,525 | 34,921 |
| IV | 28,778 | 15,650 |
| V | 11,542 | 4,865 |
| VI | 43,330 | 46,751 |
| VII | 5,779 | 3,506 |
| VIII | 9,406 | 3,753 |
| IX | 17,638 | 7,991 |
| X | 5,456 | 2,393 |
| XI | 5,402 | 2,390 |
| <u>XII</u> | <u>5,078</u> | <u>3,340</u> |
| <u>TOTAL</u> | <u>176,232</u> | <u>135,951</u> |

C. MUNICIPAL FISHERIES PRODUCTION, BY REGION, 1980
(In Metric Tons)

| <u>REGION</u> | <u>MARINE MUNICIPAL</u> |
|--------------------------|-------------------------|
| NCR | 6,401 |
| I | 11,852 |
| II | 15,199 |
| III | 13,049 |
| IV | 99,772 |
| V | 111,097 |
| VI | 116,442 |
| VII | 48,558 |
| VIII | 38,945 |
| IX-A | 131,055 |
| IX-B | 103,986 |
| X | 55,314 |
| XI | 35,279 |
| XII | <u>18,860</u> |
| <u>TOTAL</u> | 805,809 |
| <u>TOTAL INLAND MUN.</u> | 228,639 |
| <u>GRAND TOTAL</u> | <u>1,034,448</u> |

^{2/} NATIONAL AVERAGE YIELD - 598 KGS./HA/YR.

D. COMMERCIAL FISHERIES PRODUCTION, BY REGION, 1981
(In Metric Tons)

| <u>REGION</u> | <u>MARINE COMMERCIAL</u> |
|---------------|--------------------------|
| NCR | 154,422 |
| I | 1,884 |
| II | 1,144 |
| III | 7,954 |
| IV | 57,084 |
| V | 40,415 |
| VI | 116,678 |
| VII | 19,168 |
| VIII | 11,342 |
| IX-A | 5,301 |
| IX-B | 50,300 |
| X | 4,005 |
| XI | 24,466 |
| XII | 605 |
| TOTAL | <u>494,768</u> |

E. FISHPOND AND FISH CAGES 56,000 M.T.

SOURCE OF BASIC DATA: 1981 FISHERIES STATISTICS

E. COMMERCIAL FISHING VESSELS BY REGION

| <u>REGIONS</u> | <u>NUMBER</u> | <u>TOTAL GROSS TONNAGE</u> |
|----------------|---------------|--------------------------------|
| I | 28 | 738.60 |
| II | 92 | 517.86 |
| III | 125 | 1,787.50 |
| NCR | 1,137 | 97,538.58 |
| IV | 414 | 12,924.93 |
| V | 187 | 4,204.48 |
| VI | 256 | 12,067.20 |
| VII | 240 | 4,380.77 |
| VIII | 94 | 1,839.89 |
| IX | 167 | 2,248.36 |
| X | 47 | 1,191.96 |
| XI | 186 | 5,560.42 |
| XII | <u>25</u> | <u>609.19</u> |
| TOTAL | <u>2,998</u> | <u>145,609.74</u> |

F. PRODUCTION OF COMMERCIAL FISHING VESSELS BY GEAR, 1980

| <u>TYPE OF GEAR</u> | <u>QUANTITY (MT)</u> | <u>PERCENTAGE OF COMMERCIAL CATCH ACCOUNTED FOR</u> |
|---------------------|--------------------------|---|
| Purse Seine | 163,153 | 33.40% |
| Otter Trawl | 164,688 | 33.71 |
| Bagnet | 106,194 | 21.74 |
| Others | 54,443 | 11.15 |
| TOTAL | <u>488,478</u> | <u>100.00%</u> |

VI. CONSUMPTION

PER CAPITA CONSUMPTION^{8/}

(Kg./Year)

| | <u>NATIONAL</u> | <u>LUZON</u> | <u>VISAYAS</u> | <u>MINDANAO</u> |
|--------------------------|-----------------|--------------|----------------|-----------------|
| 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 | <u>2.6</u> | <u>2.6</u> | <u>1.5</u> | <u>3.3</u> |
| Patis | <u>0.4</u> | <u>0.4</u> | <u>0</u> | <u>0</u> |
| Others | <u>1.4</u> | <u>2.2</u> | <u>0.7</u> | <u>1.8</u> |
| > 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

| <u>NAMES OF LAKES</u> | <u>LOCATION</u> | <u>AREA (HAS.)</u> |
|-----------------------|-------------------|--------------------|
| 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. Lake Lanao | Camotes Is., Cebu | 1,192 |
| 10. Lumao Lake | Agusan del Sur | 1,185 |

^{8/} DATA AS OF 1978; FURNISHED BY FNRC

B. TEN MAJOR FISHING AREAS OF THE PHILIPPINES, CY 1980

| <u>MAJOR FISHING AREAS</u> | <u>PRODUCTIVITY</u> | |
|----------------------------|---------------------|-------------------------|
| | <u>QUANTITY</u> | <u>% TO TOTAL CATCH</u> |
| 1. Visayan Sea | 201,544 | 16.73 |
| 2. West Sulu Sea | 116,393 | 9.66 |
| 3. South Sulu Sea | 108,416 | 9.00 |
| 4. Moro Gulf | 106,079 | 8.81 |
| 5. Lamon Bay | 77,755 | 6.45 |
| 6. Bohol Sea | 74,945 | 6.22 |
| 7. East Sulu Sea | 71,334 | 5.92 |
| 8. Samar Sea | 55,180 | 4.58 |
| 9. Tayabas Bay | 46,527 | 3.86 |
| 10. Manila Bay | 45,549 | 3.78 |

C. TEN MAJOR SPECIES OF FISH CAUGHT IN PHILIPPINE WATERS
CY 1980

| <u>SPECIES</u> | <u>QUANTITY (M.T.)</u> | <u>% TO TOTAL CATCH</u> |
|--|------------------------|-----------------------------|
| 1. Roundscad (galunggong) | 149,947 | 12.45 |
| 2. Sardines (tunsoy, tamban) | 136,871 | 11.36 |
| 3. Frigate tunas (tulingan) | 78,248 | 6.49 |
| 4. Anchovies | 72,745 | 6.04 |
| 5. Slipmouth (sapsap) | 57,210 | 4.75 |
| 6. Yellowfin and big-eyed tuna (Tambacol) | 56,176 | 4.66 |
| 7. Thread fin bream (bisugo) | 38,622 | 3.21 |
| 8. Skipjack (guliasan) | 38,439 | 3.19 |
| 9. Big-eyed scad (matangbaka) | 33,609 | 2.79 |
| 10. Round herring (tulis) | 28,360 | 2.35 |