



## **FOREWORD**

This is the 12th issue of the **Fisheries Statistics of the Philippines** and it contains three-year data series on volume and value of production, imports, exports and producers' prices by species. Data on fish catch/production are presented by major fishery subsectors – commercial, municipal and aquaculture, by region. Production of aquaculture by environment and top fish species is also disaggregated by region. This report includes foreign trade data such as volume and value of imports and exports and country of origin and destination of top import and export fisheries commodities. Production data are generated by the Bureau of Agricultural Statistics (BAS) while data on foreign trade are obtained from the National Statistics Office (NSO).

This statistical handbook integrates all the basic and frequently requested data on fisheries. It is designed to provide statistical support to all stakeholders in the fisheries sector.

This handbook is prepared by the Fisheries Statistics Division (FSD) of the Bureau of Agricultural Statistics (BAS) of the Department of Agriculture (DA). As in other publications released by the BAS, we invite our readers and data users to give comments and suggestions for the improvement of this handbook.

**ROMEO S. RECIDÉ**  
Director



## **EXPLANATORY TEXT**

### **Introduction**

The Bureau of Agricultural Statistics (BAS) generates statistics for aquaculture, commercial and municipal fisheries. Probability sample surveys of commercial and marine municipal landing centers are conducted every other day. Aquaculture and inland municipal production surveys are conducted quarterly in sample aquaculture farms and sample inland fishing households, respectively. Non-probability sample surveys are conducted quarterly in the three (3) subsectors in case of unavailability of funds for survey operations.

The commercial and municipal fisheries surveys aim to generate quarterly statistics primarily on volume and value of fish production and value by region, by province.

The aquaculture surveys are intended to generate quarterly statistics on volume and value of cultured species by environment, by type of aquafarm, by province and by region.

### **Scope and Coverage**

For 2003, the BAS data system for commercial fisheries production covers 52 provinces and cities. In the case of municipal fisheries and aquaculture, production statistics are generated for 81 provinces and cities.

### **Sampling Frames**

The statistical frames for the surveys of commercial/municipal fisheries are the lists of landing centers by province nationwide as of 2000. The design used is a two-stage stratified random sampling with the province as the domain, the landing centers as the first-stage sampling units and the fishing boats as the second stage sampling units. The landing centers are stratified based on volume of fish unloaded.

For inland fisheries, the lists of fishing households by province are stratified by fishing ground such as lakes, rivers and dams. The latest frame is as of 2001.

The 1997 lists of brackishwater fishponds, freshwater fishponds, freshwater fish pens/fish cages, marine fish pens/fish cages, oyster/mussel and seaweed farms served as the sampling frame for the conduct of aquaculture surveys. In 2003, Region III and CAR conducted Aquaculture Inventory and the results served as frames for the conduct of surveys. The aquafarms are stratified according to management system and system of culture. Simple random sampling is employed in the selection of sample aquafarms from each stratum. The respondents of the survey are aquafarm operators, technicians or knowledgeable household members of a farm operator.



**Method of Enumeration**

**Probability Surveys** – In each BAS Provincial Operations Center (POC), Contractual Data Collectors (CDCs) are hired to collect data. For commercial and municipal fisheries surveys, data collection is conducted by CDCs at the sample fish landing centers. Monthly data collection is done every other day during unloading time. Data on volume of catch, price per kilo and other related information are gathered through actual interviews of the operator, captain or fisherman of the unloading fishing boat. A structured questionnaire prepared at the Central Office (C.O.) is used for enumeration.

For aquaculture surveys, sample farms that operate, raise and culture fish and other fishery species in marine, brackish and fresh water environment under controlled conditions are conducted by hired CDCs using a structured form.

Prior to the conduct of a survey, the CDCs undergo orientation about forms, how to accomplish the survey instruments and the general mechanics of the survey. Regular POC staff supervise CDCs during the survey operations

**Non-probability sample surveys** – Non-probability sample surveys or monitoring using reduced sample size and covering lesser survey questions are conducted due to limitations in the budget for operations. Data gathering is conducted by regular field staff using a separate monitoring form prepared at the Central Office.

**Sample Sizes**

Considering the constraints in financial resources, the Bureau undertakes probability surveys with reduced sample sizes and/or non-probability surveys with reduced sample sizes with key informants as respondents. The results serve as the bases in generating fisheries statistics for the province.

In 2003, 144 commercial fish landing centers are covered by the surveys and 55 commercial fish landing centers are monitored. For municipal fishing, 358 sample landing centers are surveyed and 65 landing centers are monitored. There are 906 sample aquafarms surveyed and 1,667 aquafarms are monitored. For inland fish producing provinces, 1,235 fishing households are monitored.

**Data Review**

Data review is conducted quarterly to ascertain the accuracy of the data gathered from both probability surveys and non-probability surveys. The data review process starts at the POC, then at the ROC and finally at the CO. Data are generally reviewed in terms of levels of estimates and changes compared to data of the same quarter last year. Specific concerns are reasons for increase and decrease in levels of estimates and presence of additional information like opening or closure of farms or operations of new landing centers or additional boats that operated during the reference quarter.

Fisheries production is included in the quarterly data review process of the Bureau at the provincial, regional and national levels. After the data validation, preliminary estimates for the reference quarter are made available to data users.



### Data Revision

Revised data are results of new information obtained from consultations with key informants like fishermen, aquafarm operators, fish traders and processors and other cooperating agencies like the Bureau of Fisheries and Aquatic Resources (BFAR), Local Government Units, Fishery Cooperatives and other Non-Government Organizations.

### Some Concepts and Terms Used<sup>1</sup>

**Aquaculture** – fishery operation involving all forms of raising and culturing of fish and other fishery species in marine, brackish and fresh water environment. Examples are fishponds, fish pens, fish cages, mussel, oyster, seaweed farms and hatcheries.

**Aquafarm** - the farming facilities used in the culture or propagation of aquatic species including fish, mollusk, crustaceans and aquatic plants for purposes of rearing to enhance production.

**Brackishwater Fishpond** - fishpond with mixed seawater and freshwater with salinity of less than 30 parts per thousand (ppt).

**Commercial Fishing** – covers fishing operation that makes use of boats weighing more than 3 gross tons.

**Fishing** – refers to catching, gathering and culturing of fish, crustaceans, mollusks and other fishery species like clams, snails, shells, as well as plants in the sea or in the inland waters. It includes commercial, marine municipal, inland municipal and aquaculture fishing.

**Fishing Boat** – type of watercraft, such as motorized/non-motorized banca, sailboat, motorboat, etc., either licensed or not, used for fishing purposes.

**Fish Cage** - stationary or floating fish enclosure made of synthetic net wire/bamboo screen or other materials set in the form of inverted mosquito net (“hapa” type) with or without cover with all sides either tied to poles staked to the water bottom or with anchored floats for aquaculture purposes.

**Fishing Gear** – any instrument or device and its accessories utilized in taking fish and other fishery species.

**Fishing Grounds** – areas in any body of water where fish and other aquatic resources congregate and become target of capture.

<sup>1</sup> Source: DA National Fisheries Technical Working Group - Compilations



**Fish Pen** - an artificial enclosure constructed within a body of water for culturing fish and fishery/aquatic resources made up of bamboo poles closely arranged in an enclosure with wooden materials, screen or nylon netting to prevent escape of fish.

**Fish Pond** - a body of water (artificial or natural) where fish and other aquatic products are cultured, raised or cultivated under controlled conditions. This is a land-based type of aquafarm. Note that the setting-up of fish cages in ponds does not take the operation of fish cage and at the same time as fishpond.

**Freshwater** - water without salt or marine origin, such as generally found in lakes, rivers, canals, dams, reservoirs, paddy fields and swamps.

**Freshwater Fish Pond** - fishpond whose water originates from lakes, reservoir, streams, and rivers having a salinity of 0 to 0.5 parts per thousand (ppt.).

**Inland Fishing** – the catching of fish, crustaceans, mollusks and all other aquatic animals and plants in inland water like lakes, rivers, dams, marshes, etc. using simple gears and fishing boats some of which are non-motorized with a capacity of three (3) gross tons or less; or fishing not requiring the use of fishing boats.

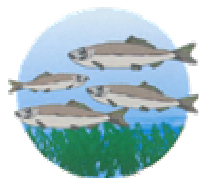
**Landing Center** – place where the fish catch and other aquatic products are unloaded and traded.

**Marine Municipal Fishing** – covers fishing operation carried out with or without the use of a boat weighing 3 gross tons or less.

**Mussel Farming** - the cultivation of mussel in suitable water area by any farming method with appropriate intensive purposes.

**Oyster Farming** - the cultivation of oysters in suitable water areas by any method for production purposes.

**Seaweed Farming** - the cultivation in suitable water areas by any method with appropriate intensive care for production in commercial quantities.



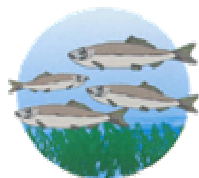
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## Fisheries Statistics of the Philippines 2001-2003

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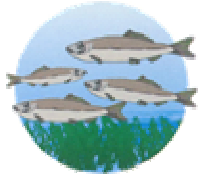
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PART I

# FISHERY RESOURCES

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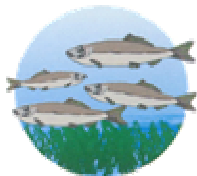


Table 1. Total Aquatic Resources, Philippines, 2003

RESOURCES	AREA
<b>A. Marine Resources</b>	
1. Total Territorial Water Area (including the EEZ)	220,000,000 ha.
a. Coastal	26,600,000 ha.
b. Oceanic	193,400,000 ha.
2. Shelf Area (Depth 200 m.)	18,460,000 ha.
3. Coral Reef Area	27,000 sq.km.
4. Coastline (Length)	17,460 km.
<b>B. Inland Resources</b>	
1. Swamplands	246,063 ha.
a. Freshwater	106,328 ha.
b. Brackishwater 1/	139,735 ha.
2. Existing Fishpond	253,854 ha.
a. Freshwater	14,531 ha.
b. Brackishwater 2/	239,323 ha.
3. Other Inland Resources	250,000 ha.
a. Lakes	200,000 ha.
b. Rivers	31,000 ha.
c. Reservoirs	19,000 ha.

1/ NAMRIA, 1990.

2/ 1992 Inventory of Brackishwater Fishponds.



## Fisheries Statistics of the Philippines 2001-2003

**Table 2. Area and Location of Major\* Lakes in the Philippines**

<b>RANK</b>	<b>NAME OF LAKES</b>	<b>AREA (HA)</b>	<b>LOCATION</b>
1	Laguna de Bay	90,000	Laguna & Rizal
2	Lanao	34,700	Marawi City, Lanao del Sur
3	Taal	23,400	Batangas
4	Mainit	14,000	Agusan del Norte & Surigao del Norte
5	Naujan	11,000	Calapan, Mindoro Oriental
6	Buluan	6,500	Sultan Kudarat & Maguindanao
7	Bato	3,800	Iriga City, Camarines Sur
8	Buhi	1,800	Iriga City, Camarines Sur
9	Dapao	1,000	Ganassi, Lanao del Sur
10	Sebu	964	Suralla, South Cotabato
11	Wood	792	Pagadian City, Zamboanga del Sur
12	Manguao	643	Taytay, Palawan
13	Baao	600	Baao, Camarines Sur
14	Paoay	420	Laoag City, Ilocos Norte
15	Maughan	314	Gen. Santos City, South Cotabato
16	Danao	260	Camotes Island, Cebu
17	Pagusi	253	Santiago, Agusan del Norte
18	Pinamaloy	252	Maramag, Bukidnon
19	Balut	206	Parang, Maguindanao
20	Imelda/Danao	197	Ormoc City, Leyte
21	Bito	150	Tacloban City, Leyte
22	Nunungan	148	Ganassi, Lanao del Norte
23	Sampaloc	102	San Pablo City, Laguna

\*Only those with an area greater than 100 hectares are listed.

Source: Directory of Philippine Wetlands, Volume II  
Published by Asian Wetland Bureau Philippines Foundation Inc. (DENR Library)

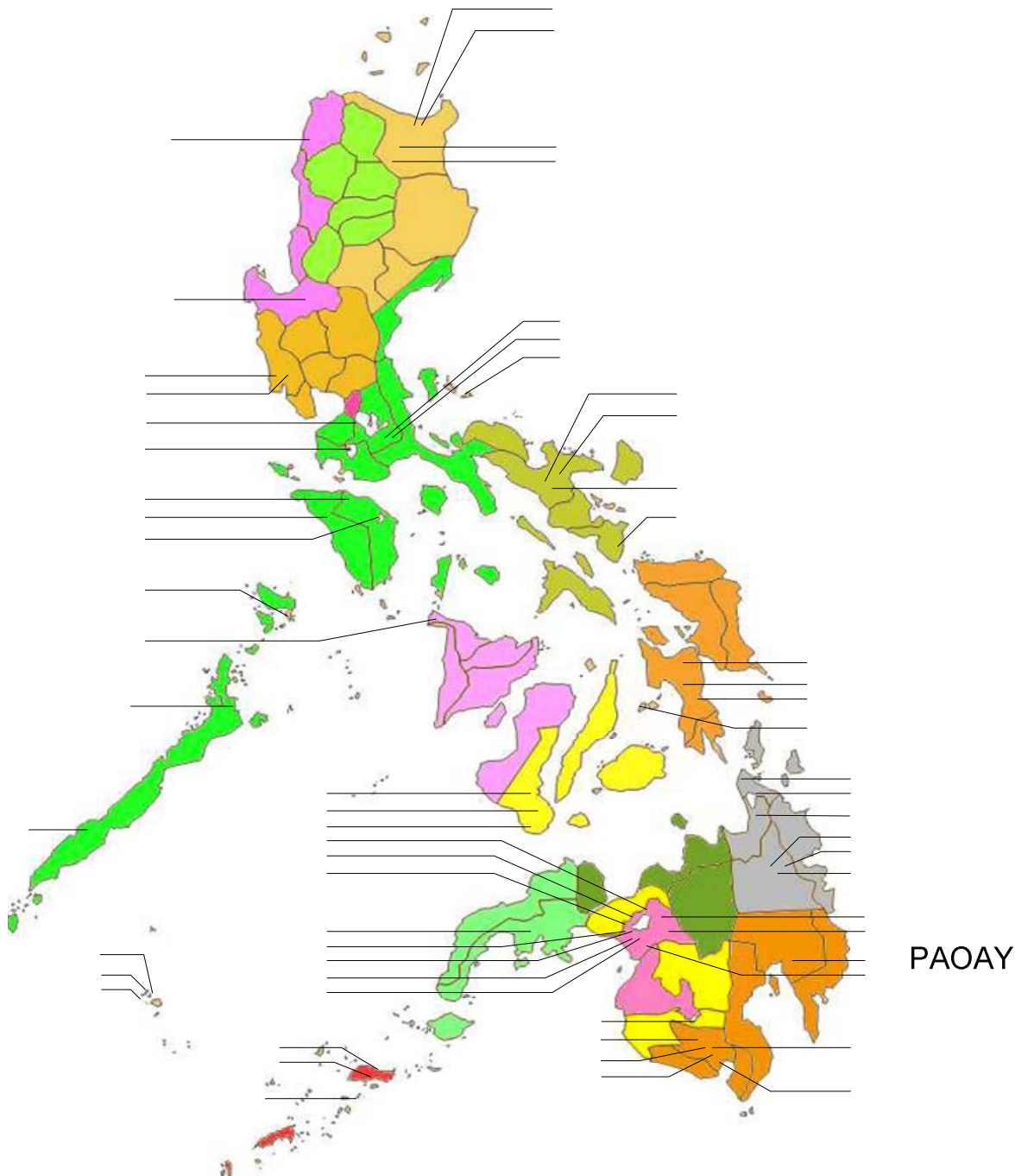
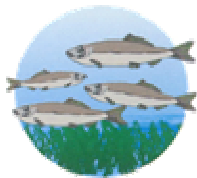


Figure 3.1.1 : Location map for lakes in the Philippines

Source: A Directory of Philippine Wetlands (Vol. II)  
Published by Asian Wetland Bureau Philippines Foundation Inc.



## Fisheries Statistics of the Philippines 2001-2003

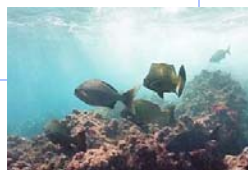
Table 3. Area and Location of Major Fishing Grounds in the Philippines

FISHING GROUND	AREA (SQ. KM.)	LOCATION
<b>A. SEAS</b>		
1. West Sulu Sea	29,992.50	Palawan
2. South Sulu Sea	12,642.00	Zamboanga del Sur/Sulu/Tawi-Tawi
3. East Sulu Sea	9,288.00	Zamboanga del Norte/Negros
4. Sibuyan Sea	8,127.00	Aklan/Masbate/Romblon
5. Bohol Sea	7,946.00	Bohol
6. Samar Sea	3,870.00	Samar/Masbate/Leyte
7. Visayan Sea	3,096.00	Panay/Negros/Cebu/Masbate
8. Camotes Sea	2,476.80	Cebu/Leyte/Bohol
<b>B. BAYS</b>		
1. Lamon Bay	2,838.00	Quezon/Camarines Norte
2. Tayabas Bay	2,213.00	Quezon
3. Illana Bay	2,128.50	Lanao del Sur/Maguindanao
4. Manila Bay	1,935.00	Manila/Bataan/Cavite
5. Sibugay Bay	1,935.00	Zamboanga del Sur
6. Iligan Bay	1,811.16	Misamis Occidental/Lanao del Norte
7. Imuruan Bay	1,087.80	Palawan
8. San Miguel Bay	774.00	Camarines Sur
9. Tawi-Tawi Bay	592.40	Tawi-Tawi
10. Butuan Bay	516.00	Agusan del Norte
<b>C. GULFS</b>		
1. Moro Gulf	12,900.00	Zamboanga del Sur/Maguindanao/Sultan Kudarat
2. Davao Gulf	4,024.00	Davao del Sur/Davao del Norte/Davao Oriental
3. Ragay Gulf	3,225.00	Camarines Sur/Quezon
4. Leyte Gulf	2,724.00	Leyte Island/Samar Island
5. Panay Gulf	2,311.00	Iloilo/Negros Occidental
6. Lingayen Gulf	2,064.00	Pangasinan
7. Lagonoy Gulf	1,935.00	Albay/Camarines Sur/Catanduanes
8. Asid Gulf	619.00	Masbate
9. Albay Gulf	412.80	Albay
<b>D. CHANNELS</b>		
1. Babuyan Channel	3,612.00	Cagayan/Babuyan Island
2. Jintoto Channel	280.00	Capiz/Masbate
3. Maqueda Channel	129.00	Camarines Sur/Catanduanes
<b>E. STRAITS</b>		
1. Tablas Strait	3,870.00	Tablas Island/Mindoro Oriental
2. Mindoro Strait	3,426.24	Palawan/Mindoro Occidental
3. Tañon Strait	2,786.40	Cebu/Negros
4. Cebu Strait	1,818.90	Cebu/Bohol
5. Iloilo Strait	1,006.00	Iloilo/Guimaras
<b>F. PASSAGES</b>		
1. Burias Pass	1,393.20	Burias Island/Camarines Sur
2. Ticao Pass	804.75	Ticao Island/Sorsogon

PART II

**VOLUME and VALUE of FISH PRODUCTION  
by SECTOR and by REGION**

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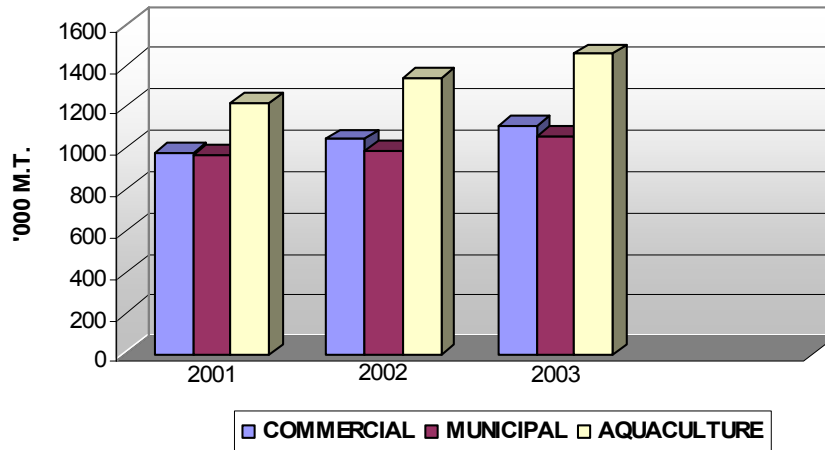




**Volume and Value of Fish Production by Sector and by Region**

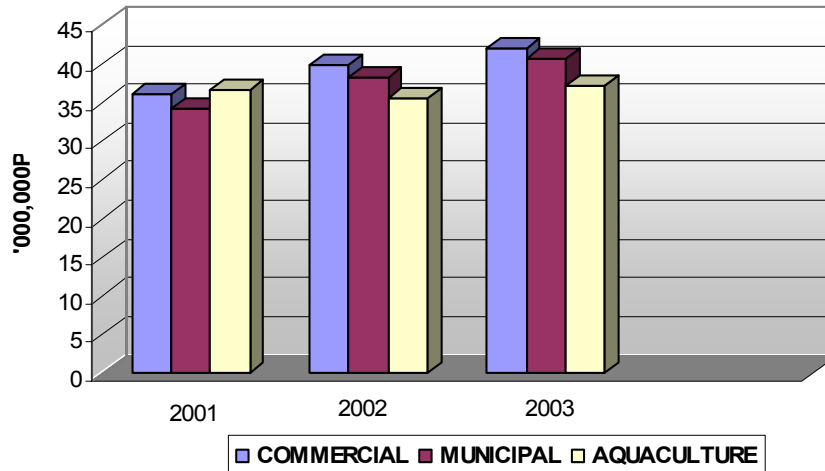


**Figure 1. Volume of Fish Production by Sector, Philippines, 2001 - 2003**



**Figure 2. Value of Fish Production by Sector, Philippines, 2001 - 2003**

(at current prices)



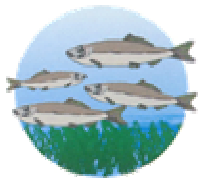


Figure 3. Percent Contribution of Fishery Sectors to Total Volume of Fish Production, Philippines, 2001

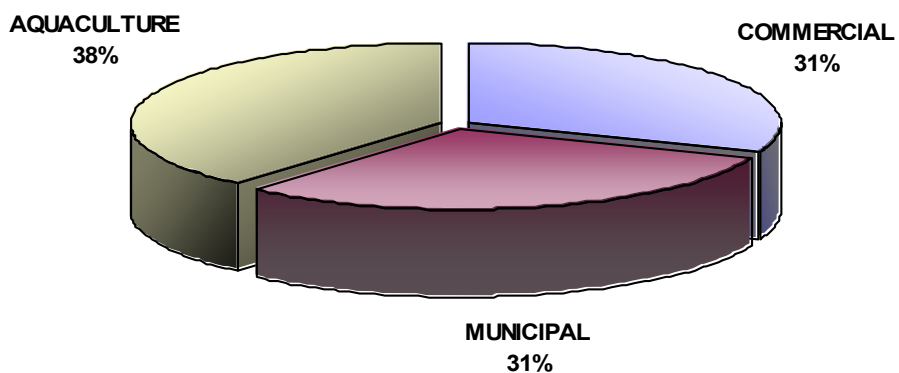
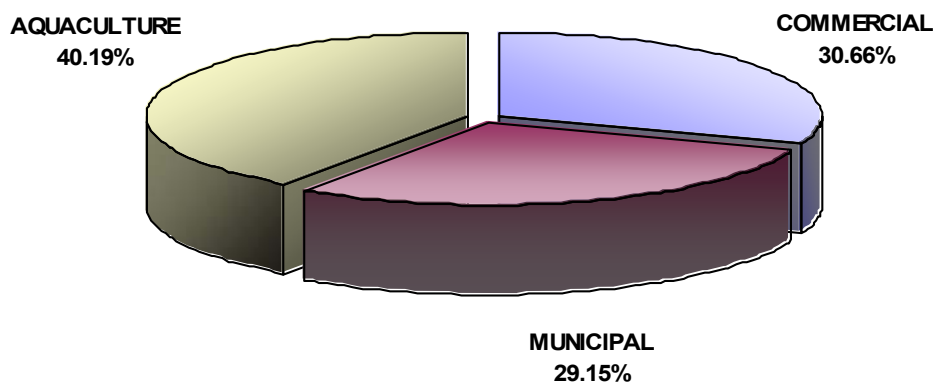


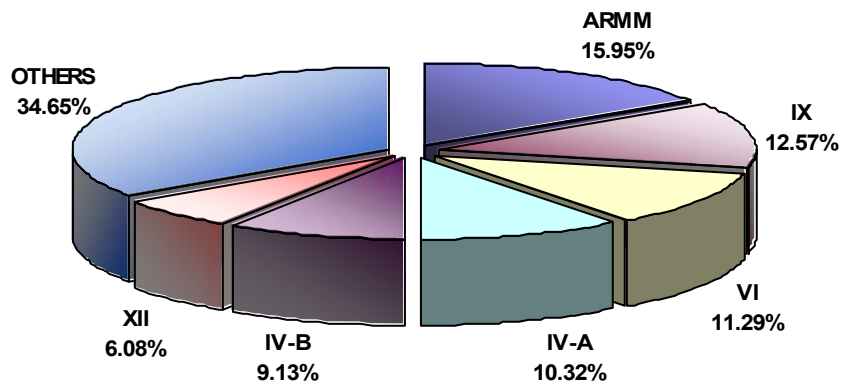
Figure 4. Percent Contribution of Fishery Sectors to Total Volume of Fish Production, Philippines, 2003



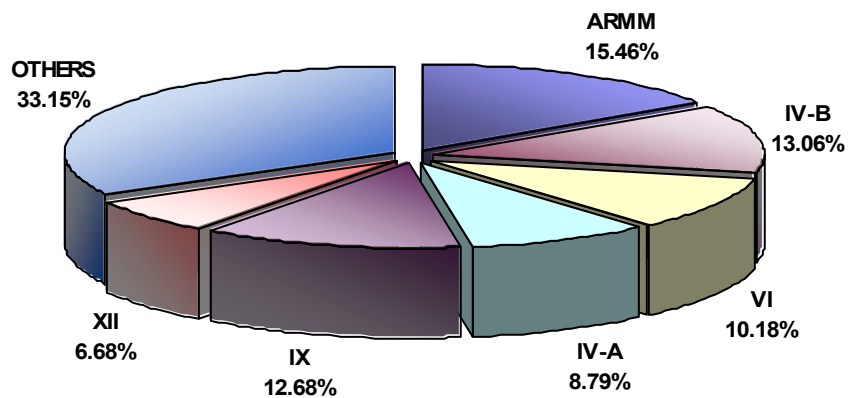
**Volume and Value of Fish Production by Sector and by Region**



**Figure 5. Percent Contribution of Top Producing Regions to Total Volume of Fish Production, 2001**



**Figure 6. Percent Contribution of Top Producing Regions to Total Volume of Fish Production, 2003**



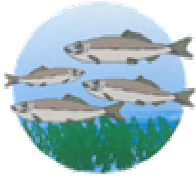


Figure 7. Percent Contribution of Top Producing Regions to Total Volume of Commercial Fish Production, Philippines, 2001

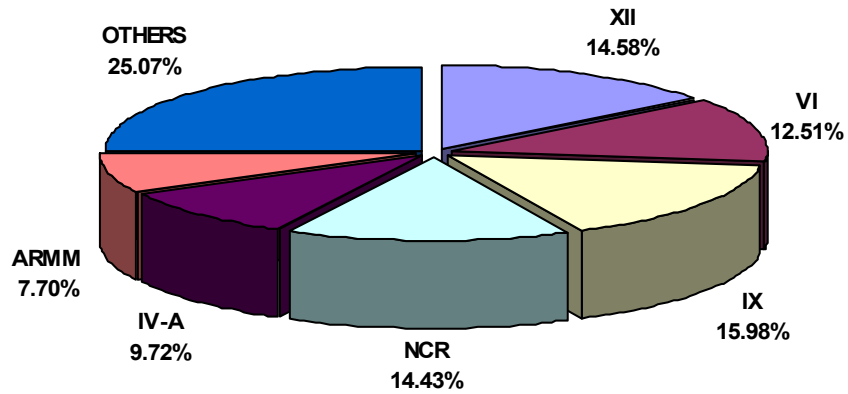
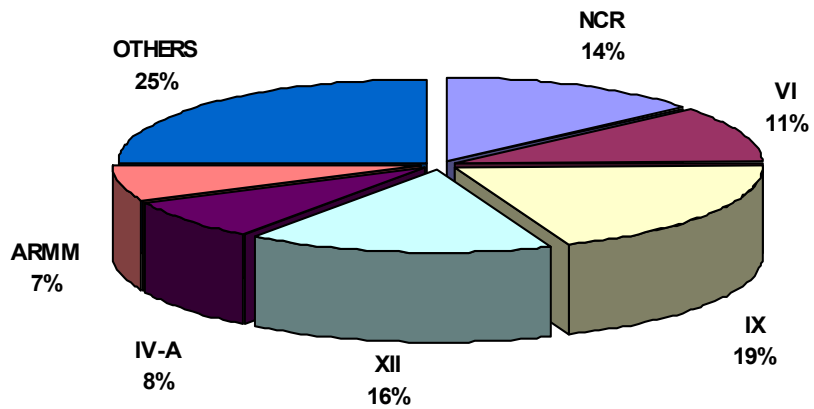


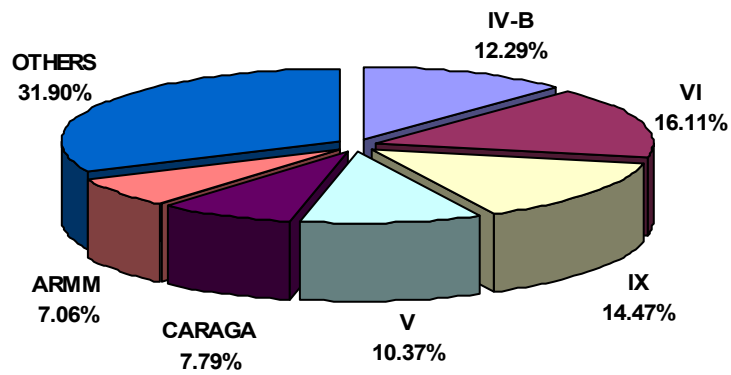
Figure 8. Percent Contribution of Top Producing Regions to Total Volume of Commercial Fish Production, Philippines, 2003



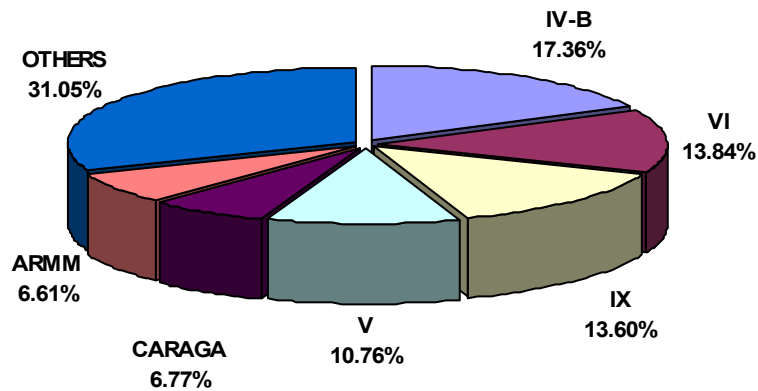
**Volume and Value of Fish Production by Sector and by Region**

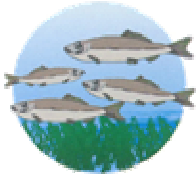


**Figure 9. Percent Contribution of Top Producing Regions to Total Volume of Marine Municipal Fish Production, Philippines, 2001**

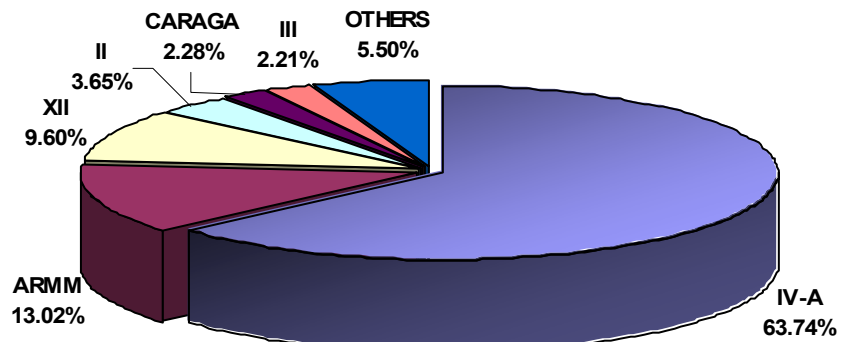


**Figure 10. Percent Contribution of Top Producing Regions to Total Volume of Marine Municipal Fish Production, Philippines, 2003**

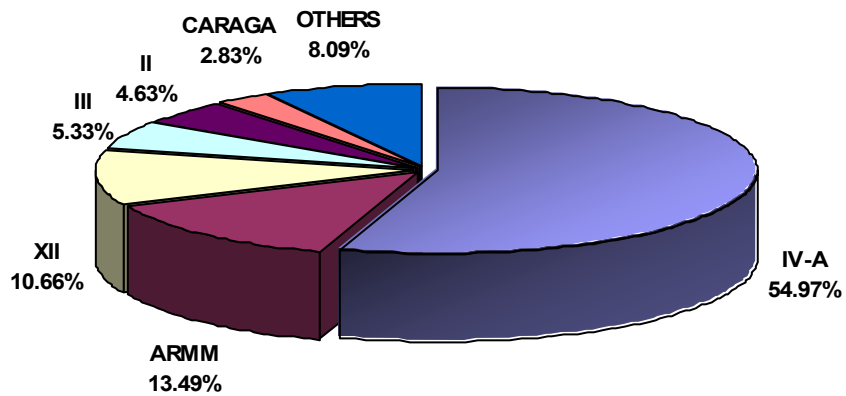




**Figure 11. Percent Contribution of Top Producing Regions to Total Volume of Inland Municipal Fish Production, Philippines, 2001**



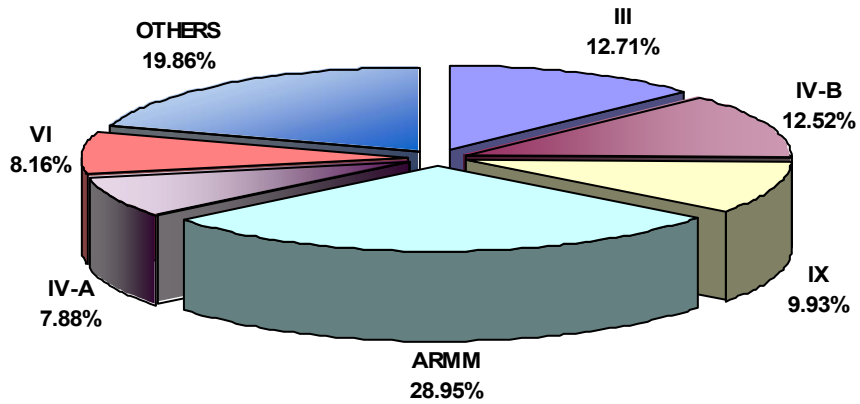
**Figure 12. Percent Contribution of Top Producing Regions to Total Volume of Inland Municipal Fish Production, Philippines, 2003**



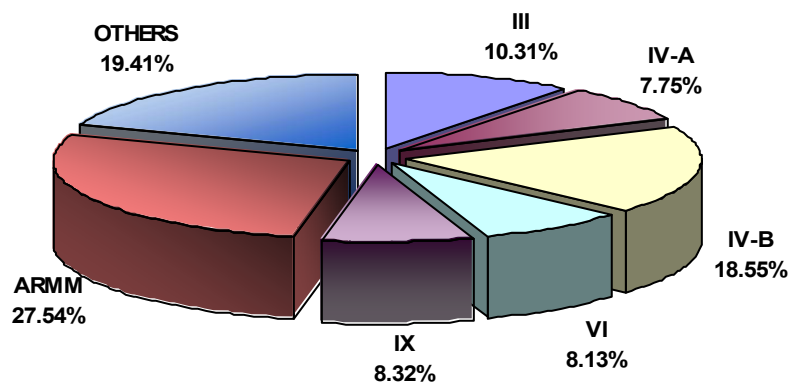
**Volume and Value of Fish Production by Sector and by Region**

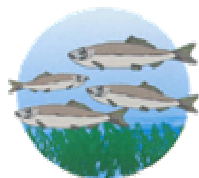


**Figure 13. Percent Contribution of Top Producing Regions to Total Volume of Aquaculture Production, Philippines, 2001**



**Figure 14. Percent Contribution of Top Producing Regions to Total Volume of Aquaculture Production, Philippines, 2003**





## Fisheries Statistics of the Philippines 2001-2003

Table 4. FISHERIES: Volume and Value of Production by Sector, Philippines, 2001 - 2003

SECTOR	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>ALL SECTORS</b>	<b>3,166,530.0</b>	<b>3,369,524.0</b>	<b>3,619,282.4</b>
<b>COMMERCIAL</b>	<b>976,539</b>	<b>1,042,193</b>	<b>1,109,636</b>
<b>MUNICIPAL</b>	<b>969,535</b>	<b>988,938</b>	<b>1,055,143</b>
Marine	833,188	857,294	921,851
Inland	136,347	131,644	133,292
<b>AQUACULTURE</b>	<b>1,220,456.0</b>	<b>1,338,393.0</b>	<b>1,454,503.4</b>
Brackishwater Fish cage	2,943.0	3,333.0	5,362.4
Brackishwater Fish pen	3,909.0	4,437.0	4,382.1
Brackishwater Fishpond	261,268.0	246,397.0	244,999.4
Freshwater Fish cage	42,061.0	49,657.0	52,832.4
Freshwater Fish pen	23,927.0	27,468.0	35,875.7
Freshwater Fishpond	57,678.0	70,249.9	71,970.0
Marine Fish cage	4,582.0	8,664.9	12,120.5
Marine Fish pen	5,738.0	9,113.2	10,073.0
Oyster	19,042.0	12,570.0	14,509.6
Mussel	13,513.0	11,646.0	13,490.1
Seaweed	785,795.0	894,857.0	988,888.2
<b>VALUE ('000 P)</b>			
<b>ALL SECTORS</b>	<b>106,944,716</b>	<b>113,258,218</b>	<b>119,866,326</b>
<b>COMMERCIAL</b>	<b>36,088,640</b>	<b>39,681,164</b>	<b>42,002,900</b>
<b>MUNICIPAL</b>	<b>34,221,731</b>	<b>38,158,871</b>	<b>40,664,303</b>
Marine	31,314,181	34,829,753	37,085,545
Inland	2,907,550	3,329,118	3,578,758
<b>AQUACULTURE</b>	<b>36,634,345</b>	<b>35,418,183</b>	<b>37,199,123</b>
Brackishwater Fish cage	189,945	192,629	323,177
Brackishwater Fish pen	254,023	252,353	257,333
Brackishwater Fishpond	26,820,312	24,592,647	24,211,238
Freshwater Fish cage	2,054,620	2,338,016	2,597,983
Freshwater Fish pen	595,139	597,048	1,327,973
Freshwater Fishpond	2,762,287	2,988,312	3,258,015
Marine Fish cage	366,311	553,674	812,295
Marine Fish pen	384,578	536,050	588,742
Oyster	146,372	68,401	78,229
Mussel	100,562	62,406	72,141
Seaweed	2,960,196	3,236,647	3,671,997



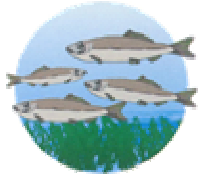
## Volume and Value of Fish Production by Sector and by Region



**Table 5. FISHERIES: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>3,166,530.0</b>	<b>3,369,524.0</b>	<b>3,619,282.4</b>
CAR	3,572.0	3,516.0	3,091.9
I	63,617.0	73,367.0	79,932.3
II	38,417.0	43,055.6	42,972.8
III	185,246.0	182,225.6	181,790.7
NCR	146,487.0	168,043.0	159,015.3
IV-A	326,728.0	310,714.5	318,093.0
IV-B	289,246.0	363,464.0	472,694.4
V	150,514.0	158,510.8	175,751.6
VI	357,596.0	349,927.5	368,609.2
VII	191,531.0	203,094.6	193,358.0
VIII	91,318.0	96,233.0	115,418.0
IX	398,083.0	441,470.0	458,770.0
X	84,187.0	89,853.2	101,282.6
XI	49,180.0	52,264.7	53,838.2
XII	192,508.0	200,321.6	241,838.1
ARMM	505,096.0	539,064.9	559,364.2
CARAGA	93,204.0	94,398.0	93,462.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>106,944,716</b>	<b>113,258,218</b>	<b>119,866,326</b>
CAR	224,074	215,877	196,123
I	3,781,546	4,199,856	4,690,191
II	1,602,280	2,263,759	2,331,633
III	15,241,741	14,017,176	13,910,374
NCR	9,323,096	10,048,378	9,322,750
IV-A	11,223,070	11,653,001	12,306,181
IV-B	6,378,818	6,330,878	7,673,153
V	5,005,254	6,015,127	6,522,177
VI	12,792,718	12,886,873	13,453,129
VII	4,874,237	6,146,042	5,630,585
VIII	3,337,243	4,240,147	5,081,296
IX	12,027,553	12,144,568	11,602,250
X	4,332,616	4,505,410	4,991,226
XI	1,950,109	2,255,235	2,483,976
XII	6,349,063	7,248,074	9,049,013
ARMM	5,153,806	5,549,267	6,875,939
CARAGA	3,347,492	3,538,550	3,746,330

Figures may not add up to total due to rounding off.



## Fisheries Statistics of the Philippines 2001-2003

Table 6. COMMERCIAL FISHERIES: Volume and Value of Production  
by Region, Philippines, 2001 - 2003

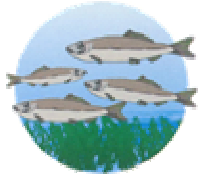
REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>976,539</b>	<b>1,042,193</b>	<b>1,109,636</b>
I	2,525	3,470	4,137
II	14,297	16,151	16,019
III	14,091	11,506	11,067
NCR	140,933	160,551	153,245
IV-A	94,967	92,631	88,783
IV-B	33,441	36,149	42,128
V	32,585	35,520	41,936
VI	122,120	117,924	120,728
VII	61,361	59,918	58,143
VIII	36,169	37,668	46,015
IX	156,008	196,313	211,953
X	34,264	37,397	39,528
XI	11,355	12,472	12,415
XII	142,425	143,708	179,001
ARMM	75,224	76,146	79,862
CARAGA	4,774	4,669	4,676
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>36,088,640</b>	<b>39,681,164</b>	<b>42,002,900</b>
I	112,722	185,215	247,367
II	403,536	814,456	828,064
III	454,413	474,427	529,421
NCR	8,993,908	9,683,211	9,018,051
IV-A	4,546,792	4,667,507	4,887,360
IV-B	1,188,906	1,164,639	1,221,425
V	951,732	1,231,924	1,373,091
VI	4,029,651	4,177,954	4,543,010
VII	2,300,152	2,160,667	2,170,210
VIII	1,096,707	1,535,247	2,047,907
IX	4,323,243	5,259,430	4,565,203
X	1,134,633	1,095,378	1,379,585
XI	418,679	513,426	632,027
XII	4,455,934	5,019,833	6,339,160
ARMM	1,477,381	1,536,551	2,054,409
CARAGA	200,251	161,299	166,610

## Volume and Value of Fish Production by Sector and by Region



**Table 7. MUNICIPAL FISHERIES: Volume and Value of Production  
by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>969,535</b>	<b>988,938</b>	<b>1,055,143</b>
CAR	1,150	1,090	1,018
I	22,414	26,895	29,222
II	19,157	21,601	21,507
III	16,082	18,202	20,818
NCR	4,166	2,767	2,341
IV-A	135,542	121,071	116,585
IV-B	103,053	130,766	160,760
V	87,478	92,233	100,929
VI	135,928	127,406	129,672
VII	44,736	51,673	50,375
VIII	42,270	42,519	50,962
IX	120,923	120,440	125,818
X	27,477	28,619	30,354
XI	27,927	28,362	29,869
XII	36,621	37,145	39,820
ARMM	76,570	76,241	78,922
CARAGA	68,041	61,908	66,171
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>34,221,731</b>	<b>38,158,871</b>	<b>40,664,303</b>
CAR	74,563	68,982	65,645
I	1,254,219	1,672,815	1,785,918
II	873,471	1,103,868	1,179,476
III	736,160	1,038,099	1,208,352
NCR	255,791	186,621	154,769
IV-A	3,278,172	3,742,469	3,486,858
IV-B	4,076,984	3,876,760	4,864,993
V	3,226,941	3,823,177	4,198,335
VI	5,315,916	5,633,189	5,711,721
VII	1,434,161	2,745,190	2,441,585
VIII	1,976,398	2,378,073	2,639,223
IX	4,226,089	3,592,947	3,465,065
X	888,015	1,068,044	1,196,207
XI	1,038,687	1,173,317	1,279,953
XII	1,088,880	1,188,324	1,408,285
ARMM	2,160,758	2,407,701	2,961,978
CARAGA	2,316,526	2,459,295	2,615,940



## Fisheries Statistics of the Philippines 2001-2003

**Table 8. MARINE MUNICIPAL FISHERIES: Volume and Value of Production by Region, Philippines, 2001 - 2003**

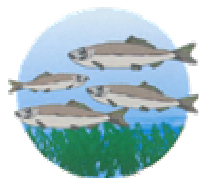
REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>833,188</b>	<b>857,294</b>	<b>921,851</b>
I	21,583	25,338	27,498
II	14,176	16,002	15,338
III	13,071	11,925	13,707
NCR	4,166	2,767	2,341
IV-A	48,637	45,254	43,321
IV-B	102,432	130,085	160,063
V	86,408	90,839	99,233
VI	134,247	125,913	127,562
VII	44,653	51,563	50,261
VIII	41,640	41,708	49,505
IX	120,574	120,043	125,378
X	26,616	27,412	29,042
XI	27,705	28,114	29,652
XII	23,528	23,917	25,608
ARMM	58,816	57,978	60,947
CARAGA	64,936	58,436	62,395
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>31,314,181</b>	<b>34,829,753</b>	<b>37,085,545</b>
I	1,192,374	1,561,591	1,666,570
II	541,503	769,471	818,875
III	563,917	705,088	829,928
NCR	255,791	186,621	154,769
IV-A	2,425,520	2,729,295	2,441,977
IV-B	4,043,925	3,840,279	4,828,736
V	3,182,289	3,764,725	4,127,419
VI	5,216,124	5,544,790	5,594,577
VII	1,430,937	2,740,779	2,436,711
VIII	1,944,286	2,334,779	2,551,410
IX	4,215,587	3,581,702	3,451,692
X	846,674	1,019,821	1,138,371
XI	1,030,462	1,163,794	1,270,541
XII	742,963	842,268	1,013,242
ARMM	1,464,602	1,689,966	2,267,486
CARAGA	2,217,227	2,354,784	2,493,241

## Volume and Value of Fish Production by Sector and by Region



**Table 9. INLAND MUNICIPAL FISHERIES: Volume and Value of Production  
by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>136,347</b>	<b>131,644</b>	<b>133,292</b>
CAR	1,150	1,090	1,018
I	831	1,557	1,724
II	4,981	5,599	6,169
III	3,011	6,277	7,111
IV-A	86,905	75,817	73,264
IV-B	621	681	697
V	1,070	1,394	1,696
VI	1,681	1,493	2,110
VII	83	110	114
VIII	630	811	1,457
IX	349	397	440
X	861	1,207	1,312
XI	222	248	217
XII	13,093	13,228	14,212
ARMM	17,754	18,263	17,975
CARAGA	3,105	3,472	3,776
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,907,550</b>	<b>3,329,118</b>	<b>3,578,758</b>
CAR	74,563	68,982	65,645
I	61,845	111,224	119,348
II	331,968	334,397	360,601
III	172,243	333,011	378,424
IV-A	852,652	1,013,174	1,044,881
IV-B	33,059	36,481	36,257
V	44,652	58,452	70,916
VI	99,792	88,399	117,144
VII	3,224	4,411	4,874
VIII	32,112	43,294	87,813
IX	10,502	11,245	13,373
X	41,341	48,223	57,836
XI	8,225	9,523	9,412
XII	345,917	346,056	395,043
ARMM	696,156	717,735	694,492
CARAGA	99,299	104,511	122,699



## Fisheries Statistics of the Philippines 2001-2003

Table 10. AQUACULTURE: Volume and Value of Production by Region, Philippines, 2001 - 2003

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>1,220,456.0</b>	<b>1,338,393.0</b>	<b>1,454,503.4</b>
CAR	2,422.0	2,426.0	2,073.9
I	38,678.0	43,002.0	46,573.3
II	4,963.0	5,303.6	5,446.8
III	155,073.0	152,517.6	149,905.7
NCR	1,388.0	4,725.0	3,429.3
IV-A	96,219.0	97,012.5	112,725.0
IV-B	152,752.0	196,549.0	269,806.4
V	30,451.0	30,757.8	32,886.6
VI	99,548.0	104,597.5	118,209.2
VII	85,434.0	91,503.6	84,840.0
VIII	12,879.0	16,046.0	18,441.0
IX	121,152.0	124,717.0	120,999.0
X	22,446.0	23,837.2	31,400.6
XI	9,898.0	11,430.7	11,554.2
XII	13,462.0	19,468.6	23,017.1
ARMM	353,302.0	386,677.9	400,580.2
CARAGA	20,389.0	27,821.0	22,615.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>36,634,345</b>	<b>35,418,183</b>	<b>37,199,123</b>
CAR	149,511	146,895	130,478
I	2,414,605	2,341,826	2,656,906
II	325,273	345,435	324,093
III	14,051,168	12,504,650	12,172,601
NCR	73,397	178,546	149,930
IV-A	3,398,106	3,243,025	3,931,963
IV-B	1,112,928	1,289,479	1,586,735
V	826,581	960,026	950,751
VI	3,447,151	3,075,730	3,198,398
VII	1,139,924	1,240,185	1,018,790
VIII	264,138	326,827	394,166
IX	3,478,221	3,292,191	3,571,982
X	2,309,968	2,341,988	2,415,434
XI	492,743	568,492	571,996
XII	804,249	1,039,917	1,301,568
ARMM	1,515,667	1,605,015	1,859,552
CARAGA	830,715	917,956	963,780

Figures may not add up to total due to rounding off.

## Volume and Value of Fish Production by Sector and by Region



**Table 11. Top Fisheries Producing Provinces by Sector, Philippines, 2001 - 2003**

SECTOR/PROVINCE	Average Annual Production (M.T.)	Percent Share	Cumulative %Share
<b>A. COMMERCIAL</b>	<b>1,042,789</b>	<b>100.00</b>	
1. South Cotabato	151,634	14.54	14.54
2. Navotas (PFDA)	145,938	13.99	28.54
3. Zamboanga City	136,236	13.06	41.60
4. Quezon	84,153	8.07	49.67
5. Iloilo	63,048	6.05	55.72
6. Sulu	57,480	5.51	61.23
7. Cebu	45,284	4.34	65.57
8. Negros Occidental	31,614	3.03	68.60
9. Zamboanga del Norte	26,922	2.58	71.18
10. Palawan	25,920	2.49	73.67
11. Other Provinces	274,560	26.33	100.00
<b>B. MARINE MUNICIPAL</b>	<b>870,778</b>	<b>100.00</b>	
1. Palawan	111,402	12.79	12.79
2. Iloilo	58,888	6.76	19.56
3. Zamboanga del Norte	57,325	6.58	26.14
4. Surigao del Norte	43,826	5.03	31.17
5. Negros Occidental	40,395	4.64	35.81
6. Masbate	30,231	3.47	39.28
7. Zamboanga City	27,657	3.18	42.46
8. Zamboanga del Sur	26,677	3.06	45.52
9. Quezon	25,999	2.99	48.51
10. Cebu	23,635	2.71	51.22
11. Other Provinces	424,743	48.78	100.00
<b>C. INLAND MUNICIPAL</b>	<b>133,761</b>	<b>100.00</b>	
1. Rizal	63,499	47.47	47.47
2. Laguna	14,141	10.57	58.04
3. Sultan Kudarat	11,715	8.76	66.80
4. Maguindanao	10,027	7.50	74.30
5. Lanao del Sur	7,962	5.95	80.25
6. Pampanga	3,935	2.94	83.19
7. Cagayan	3,333	2.49	85.68
8. Isabela	1,499	1.12	86.80
9. North Cotabato	1,211	0.91	87.71
10. Agusan del Norte	1,181	0.88	88.59
11. Other Provinces	15,258	11.41	100.00
<b>D. AQUACULTURE</b>	<b>1,337,784.1</b>	<b>100.00</b>	
1. Palawan	198,552.1	14.84	14.84
2. Tawi-Tawi	187,263.0	14.00	28.84
3. Sulu	179,785.0	13.44	42.28
4. Bohol	79,710.6	5.96	48.24
5. Pampanga	71,960.5	5.38	53.62
6. Bulacan	57,211.6	4.28	57.89
7. Antique	39,075.6	2.92	60.81
8. Quezon	40,768.0	3.05	63.86
9. Pangasinan	40,089.7	3.00	66.86
10. Zamboanga del Sur*	40,338.0	3.02	69.87
11. Other Provinces	403,030.0	30.13	100.00

\*Data of Zamboanga del Sur in 2001 includes data from Sibugay.

PART III

**AQUACULTURE: VOLUME and VALUE of  
PRODUCTION by TYPE of AQUAFARM  
by REGION**

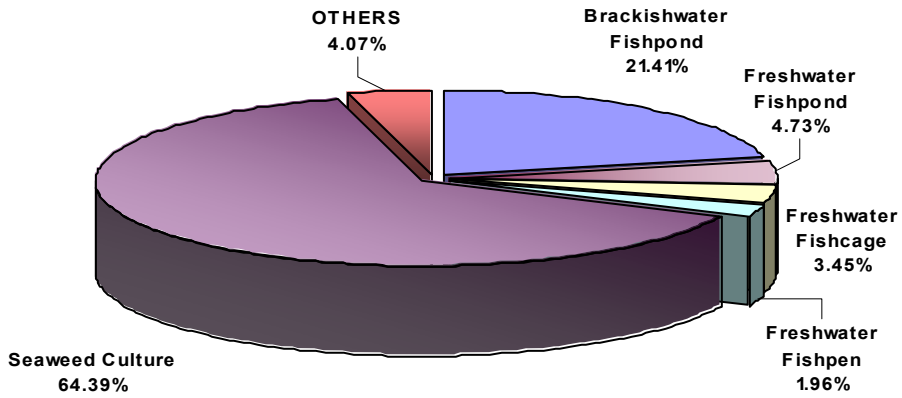
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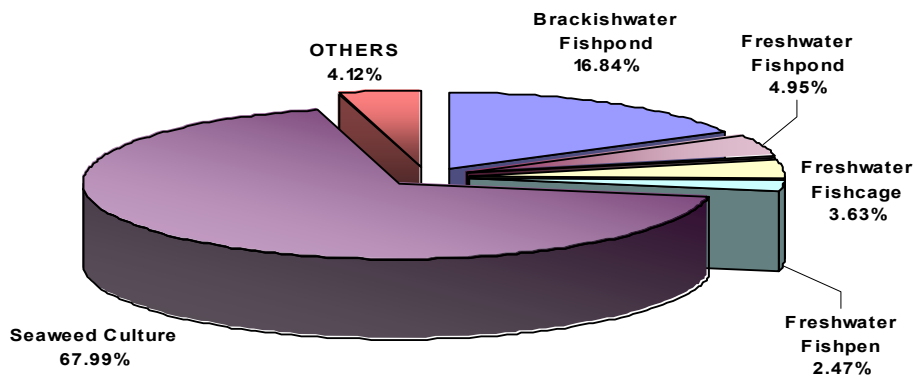


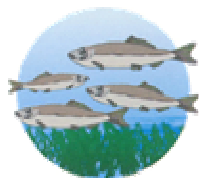


**Figure 15. Percent Contribution of Different Types of Culture to Total Volume of Aquaculture Production, 2001**



**Figure 16. Percent Contribution of Different Types of Culture to Total Volume of Aquaculture Production, 2003**





## Fisheries Statistics of the Philippines 2001-2003

Table 12. BRACKISHWATER FISHPOND: Volume and Value of Production by Region, Philippines, 2001 - 2003

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>268,120.0 *</b>	<b>254,167.0 *</b>	<b>254,743.9 *</b>
I	24,880.0	25,694.0	25,840.7
II	1,025.0	1,041.0	1,068.3
III	98,179.0	87,534.0	80,987.4
NCR	635.0	497.0	473.9
IV-A	13,462.0	14,455.0	14,523.6
IV-B	3,656.0	3,978.0	5,342.4
V	3,862.0	3,726.0	3,863.2
VI	57,934.0	53,914.0	57,123.1
VII	8,279.0	8,396.0	8,750.5
VIII	1,967.0	2,371.0	2,529.5
IX	20,544.0	18,546.0	19,179.7
X	11,797.0	11,700.0	11,827.7
XI	7,332.0	7,474.0	7,483.4
XII	8,053.0	7,805.0	7,792.5
ARMM	2,635.0	2,846.0	2,464.3
CARAGA	3,880.0	4,190.0	5,493.7
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>27,264,280 *</b>	<b>25,037,629 *</b>	<b>24,791,748 *</b>
I	1,733,336	1,510,224	1,560,853
II	102,786	103,269	107,372
III	11,689,503	9,953,861	9,351,691
NCR	35,819	45,039	26,410
IV-A	1,053,319	995,105	883,649
IV-B	451,152	500,196	601,828
V	520,269	603,474	563,963
VI	3,304,212	2,849,573	2,910,710
VII	846,542	937,517	916,738
VIII	192,247	246,657	273,002
IX	3,190,671	2,968,615	3,199,266
X	2,230,311	2,251,733	2,260,035
XI	399,191	402,608	401,853
XII	572,932	619,497	637,479
ARMM	245,892	280,434	234,544
CARAGA	696,098	769,827	862,355

\*Includes data on brackishwater fishcage and fishpen.

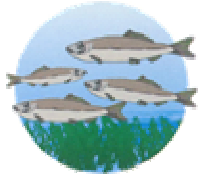
## Aquaculture: Volume and Value of Production by Type of Aquafarm by Region



Table 13. FRESHWATER FISH CAGE: Volume and Value of Production by Region, Philippines, 2001 - 2003

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>42,061.0</b>	<b>49,657.0</b>	<b>52,832.4</b>
CAR	1,907.0	1,965.0	1,610.5
I	9.0	12.0	28.5
II	1,483.0	1,706.0	1,375.5
III	59.0	46.0	68.5
NCR	77.0	471.0	456.1
IV-A	30,000.0	30,639.0	37,886.1
V	4,595.0	4,866.0	5,453.5
VII		a/	0.2
VIII		8.0	11.5
XI	4.0	3.0	2.5
XII	3,876.0	9,766.0	5,646.8
ARMM	36.0	94.0	103.5
CARAGA	15.0	81.0	189.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,054,620</b>	<b>2,338,016</b>	<b>2,597,983</b>
CAR	115,001	115,797	98,551
I	625	777	1,997
II	80,406	100,116	80,332
III	2,890	2,057	3,267
NCR	2,347	16,064	17,529
IV-A	1,507,751	1,544,516	1,917,613
V	204,984	226,463	250,708
VII		11	9
VIII		379	555
XI	228	158	65
XII	139,059	326,194	217,815
ARMM	805	2,368	2,680
CARAGA	524	3,116	6,862

a/ - Quantity less than 1 metric ton.



## Fisheries Statistics of the Philippines 2001-2003

Table 14. FRESHWATER FISH PEN: Volume and Value of Production by Region, Philippines, 2001 - 2003

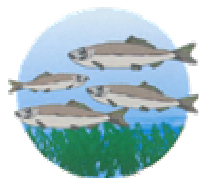
REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>23,927.0</b>	<b>27,468.0</b>	<b>35,875.7</b>
III	27.0	6.0	-
NCR	676.0	3,757.0	2,499.3
IV-A	23,196.0	23,665.0	25,646.0
VIII		8.0	9.1
XI			7,688.0
ARMM	28.0	32.0	33.3
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>595,139</b>	<b>597,048</b>	<b>1,327,973</b>
III	1,485	330	-
NCR	35,231	117,443	105,991
IV-A	557,827	478,094	877,168
VIII		400	445
XI	-	-	343,450
ARMM	596	781	919

## Aquaculture: Volume and Value of Production by Type of Aquafarm by Region



Table 15. FRESHWATER FISHPOND: Volume and Value of Production by Region, Philippines, 2001 - 2003

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>57,678.0</b>	<b>70,249.9</b>	<b>71,970.0</b>
CAR	515.0	461.0	463.4
I	2,503.0	2,480.4	3,061.5
II	2,215.0	2,269.6	2,179.9
III	48,547.0	60,650.6	61,261.8
IV-A	576.0	537.0	809.8
IV-B	380.0	511.0	517.9
V	129.0	229.0	314.5
VI	290.0	246.0	295.0
VII	28.0	51.7	31.3
VIII	66.0	87.4	127.9
IX	87.0	86.0	94.0
X	582.0	576.2	641.3
XI	520.0	575.0	601.5
XII	1,111.0	1,210.0	1,255.1
ARMM	37.0	94.0	164.8
CARAGA	92.0	185.0	150.3
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,762,287</b>	<b>2,988,312</b>	<b>3,258,015</b>
CAR	34,510	31,098	31,927
I	130,954	119,255	146,598
II	141,027	140,688	133,694
III	2,277,634	2,488,913	2,695,784
IV-A	34,187	29,774	45,270
IV-B	24,199	34,060	34,079
V	6,816	12,290	16,476
VI	15,882	14,194	18,133
VII	1,357	2,455	1,463
VIII	3,223	4,873	7,505
IX	3,232	2,479	2,771
X	28,295	29,901	33,848
XI	19,165	21,538	23,350
XII	37,445	46,035	52,826
ARMM	1,469	4,045	8,541
CARAGA	2,892	6,714	5,750



## Fisheries Statistics of the Philippines 2001-2003

**Table 16. MARINE FISH CAGE: Volume and Value of Production  
by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>4,582.0</b>	<b>8,664.9</b>	<b>12,120.5</b>
I	3,185.0	5,557.2	8,164.5
II	8.0	9.0	9.1
III	26.0	516.0	1,368.0
IV-A	2.0	51.7	103.0
V	42.0	65.8	75.7
VI	19.0	63.8	21.8
VII	300.0	431.5	411.1
VIII	26.0	36.6	52.7
IX	52.0	21.4	-
X	29.0	22.0	32.5
XI	444.0	1,173.1	1,200.2
XII	420.0	687.2	634.7
ARMM	1.0	-	-
CARAGA	28.0	29.5	47.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>366,311</b>	<b>553,674</b>	<b>812,295</b>
I	211,952	329,079	513,126
II	525	633	722
III	1,565	33,000	84,593
IV-A	72	3,638	7,680
V	4,483	5,371	6,394
VI	5,188	9,334	6,537
VII	19,510	26,893	26,681
VIII	9,914	15,840	24,304
IX	10,448	1,177	-
X	1,978	1,466	2,234
XI	29,221	67,951	72,002
XII	54,680	48,104	49,998
ARMM	950	-	-
CARAGA	15,825	11,188	18,024

Figures may not add up to total due to rounding off.

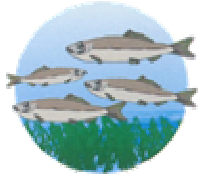
## Aquaculture: Volume and Value of Production by Type of Aquafarm by Region



Table 17. MARINE FISH PEN: Volume and Value of Production by Region, Philippines, 2001 - 2003

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>5,738.0</b>	<b>9,113.2</b>	<b>10,073.0</b>
I	4,744.0	6,263.4	7,096.7
III	70.0	-	3.0
IV-A	22.0	265.8	414.0
VI	45.0	1,235.7	1,268.0
VII	47.0	54.4	11.7
IX	41.0	26.6	19.0
X	12.0	14.0	23.0
XI	721.0	1,234.6	1,201.5
XII	2.0	0.4	-
ARMM	5.0	3.9	3.3
CARAGA	29.0	14.5	32.8
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>384,578</b>	<b>536,050</b>	<b>588,742</b>
I	318,014	364,072	417,901
III	4,185	-	150
IV-A	2,146	18,282	25,027
VI	3,150	66,925	59,195
VII	3,144	3,336	545
IX	4,866	4,833	4,343
X	1,231	780	1,420
XI	40,164	71,017	69,265
XII	133	87	-
ARMM	2,535	4,846	3,430
CARAGA	5,010	1,872	7,466

Figures may not add up to total due to rounding off.



## Fisheries Statistics of the Philippines 2001-2003

**Table 18. OYSTER: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>19,042.0</b>	<b>12,570.0</b>	<b>14,509.6</b>
I	3,357.0	2,658.0	2,381.4
II	232.0	276.0	330.0
III	8,165.0	3,765.0	5,827.0
IV-A	1,722.0	164.0	322.0
V	35.0	53.0	55.3
VI	4,557.0	4,644.0	4,769.3
VII	133.0	166.0	154.9
IX	232.0	220.0	241.0
XI	609.0	624.0	428.7
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>146,372</b>	<b>68,401</b>	<b>78,229</b>
I	19,724	16,734	16,431
II	529	679	872
III	73,906	26,489	35,288
IV-A	32,675	3,906	4,965
V	150	247	309
VI	13,503	14,077	15,146
VII	1,749	2,252	1,876
IX	1,230	1,186	1,406
XI	2,906	2,831	1,936

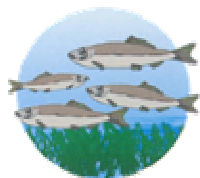


## Aquaculture: Volume and Value of Production by Type of Aquafarm by Region



**Table 19. MUSSEL: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>13,513.0</b>	<b>11,646.0</b>	<b>13,490.1</b>
I	-	337.0	-
III	-	-	390.0
IV-A	4,322.0	1,938.0	3,043.0
V	710.0	686.0	793.0
VI	5,943.0	6,241.0	6,461.0
VIII	2,524.0	2,438.0	2,796.3
IX	14.0	6.0	6.8
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>100,562</b>	<b>62,406</b>	<b>72,141</b>
I	-	1,685	-
III	-	-	1,828
IV-A	63,189	27,525	31,275
V	11,037	7,544	9,619
VI	16,895	16,285	18,213
VIII	9,088	9,223	11,036
IX	353	144	170



## Fisheries Statistics of the Philippines 2001-2003

**Table 20. SEAWEED: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>785,795.0</b>	<b>894,857.0</b>	<b>988,888.2</b>
I	-	2.0	-
II	-	-	484.0
IV-A	22,917.0	25,297.0	29,977.5
IV-B	148,716.0	192,060.0	263,946.1
V	21,078.0	21,132.0	22,331.4
VI	30,760.0	38,253.0	48,270.9
VII	76,647.0	82,404.0	75,480.3
VIII	8,296.0	11,097.0	12,914.0
IX	100,182.0	105,811.0	101,458.5
X	10,026.0	11,525.0	18,876.1
XI	268.0	347.0	636.4
ARMM	350,560.0	383,608.0	397,811.0
CARAGA	16,345.0	23,321.0	16,702.0
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,960,196</b>	<b>3,236,647</b>	<b>3,671,997</b>
I	-	50	-
II	-	-	1,101
IV-A	146,940	142,185	139,316
IV-B	637,577	755,223	950,828
V	78,842	104,637	103,282
VI	88,321	105,342	170,464
VII	267,622	267,721	71,478
VIII	49,666	49,455	77,319
IX	267,421	313,757	364,026
X	48,153	58,108	117,897
XI	1,868	2,389	3,525
ARMM	1,263,420	1,312,541	1,609,438
CARAGA	110,366	125,239	63,323

PART IV

# VOLUME and VALUE of FISH PRODUCTION by SPECIES

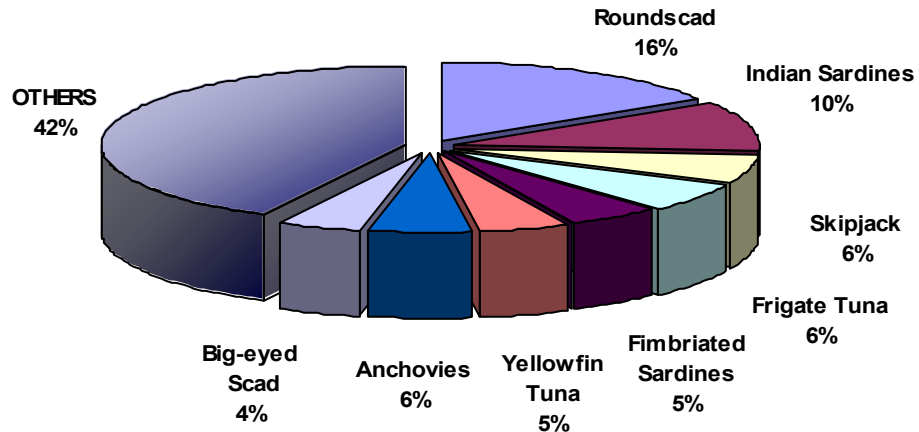
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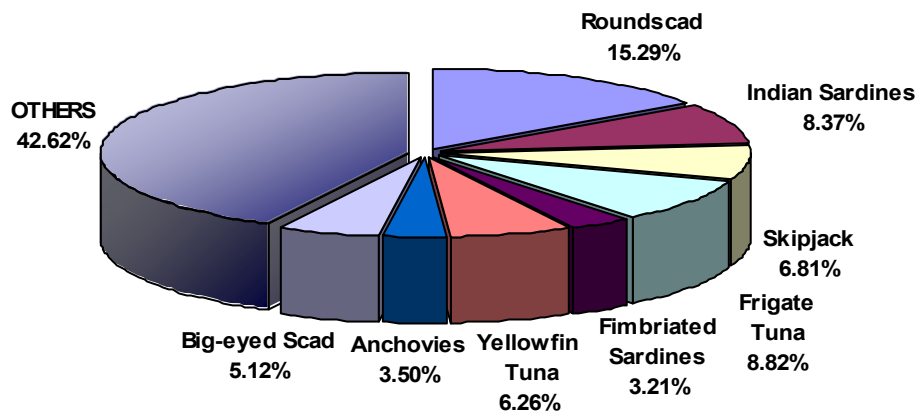
**Volume and Value of Fish Production by Species**



**Figure 17. Percent Contribution of Top Species to Total Volume of Marine Production, Philippines, 2001**



**Figure 18. Percent Contribution of Top Species to Total Volume of Marine Production, Philippines, 2003**



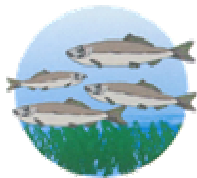


Figure 19. Percent Contribution of Top Species to Total Volume of Inland Fish Production, Philippines, 2001

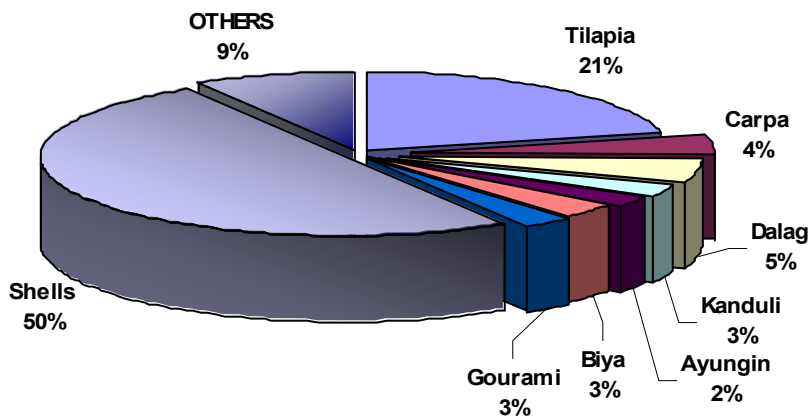
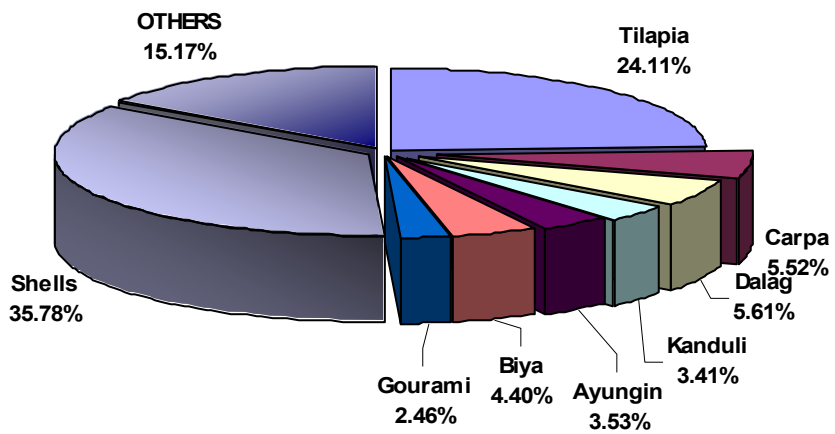


Figure 20. Percent Contribution of Top Species to Total Volume of Inland Fish Production, Philippines, 2003

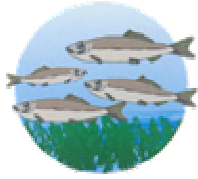


## Volume and Value of Fish Production by Species



**Table 21. COMMERCIAL FISHERIES: Volume of Production of Top 30 Species,  
Philippines, 2001 - 2003  
(Metric Tons)**

SPECIES	2001	2002	2003
<b>ALL SPECIES</b>	<b>976,539</b>	<b>1,042,193</b>	<b>1,109,636</b>
<b>TOTAL 30 SPECIES</b>	<b>914,225</b>	<b>959,525</b> <sup>†</sup>	<b>1,032,441</b>
<b>% Share of 30 Species</b>	<b>93.62</b>	<b>92.07</b>	<b>93.04</b>
1. Roundscad (Galunggong)	250,679	234,230	254,659
2. Indian sardines (Tamban)	153,741	145,879	130,024
3. Skipjack (Gulyasan)	80,766	83,385	114,077
4. Frigate tuna (Tulingan)	60,032	100,958	114,760
5. Fimbriated sardines (Tunsoy)	50,935	35,110	36,358
6. Yellowfin tuna (Tambakol)	49,055	63,051	87,473
7. Anchovies (Dilis)	39,191	33,706	28,654
8. Slipmouth (Sapsap)	38,722	37,768	36,313
9. Big-eyed scad (Matang-baka)	36,596	38,889	39,621
10. Indian mackerel (Alumahan)	31,804	30,846	32,037
11. Eastern little tuna (Katchorita)	20,634	26,811	27,036
12. Indo-pacific mackerel (Hasa-hasa)	15,605	18,389	20,502
13. Squid (Pusit)	14,177	16,616	15,365
14. Crevalle (Salay-salay)	11,128	14,628	14,077
15. Round herring (Tulis)	10,785	7,655	7,973
16. Acetes (Alamang)	9,031	7,907	5,890
17. Flying fish (Bolador)	7,060	12,539	14,678
18. Threadfin bream (Bisugo)	6,931	12,834	13,817
19. Caesio (Dalagang-bukid)	6,047	5,841	6,062
20. Goatfish (Saramulyete)	5,992	11,262	10,389
21. Cavalla (Talakitok)	3,098	2,370	3,150
22. Hairtail (Balila)	2,640	3,319	3,427
23. Mullet (Kapak, Banak)	1,992	1,954	2,179
24. Spanish mackerel (Tanigue)	1,735	2,429	2,790
25. Grouper (Lapu-lapu)	1,746	3,441	3,359
26. Snapper (Maya-maya)	1,202	2,132	2,067
27. Siganid (Samaral)	1,194	947	1,103
28. Blue crab (Alimasag)	1,053	1,444	1,587
29. Parrot fish (Loro)	395	620	656
30. Porgies (Pargo)	259	2,565	2,358
31. Other Species	62,314	82,668	77,195



## Fisheries Statistics of the Philippines 2001-2003

**Table 22. MARINE MUNICIPAL FISHERIES: Volume of Production of Top 30 Species, Philippines, 2001 - 2003 (Metric Tons)**

SPECIES	2001	2002	2003
<b>ALL SPECIES</b>	<b>833,188</b>	<b>857,294</b>	<b>921,851</b>
<b>TOTAL 30 SPECIES</b>	<b>657,404</b> <sup>▼</sup>	<b>679,180</b> <sup>▼</sup>	<b>732,988</b>
<b>% Share of 30 Species</b>	<b>78.90</b>	<b>79.22</b>	<b>79.51</b>
1. Frigate tuna (Tulingan)	51,687	62,174	64,326
2. Yellowfin tuna (Tambakol)	34,505	36,743	39,767
3. Fimbriated sardines (Tunsoy)	39,806	25,161	28,863
4. Anchovies (Dilis)	61,708	40,389	42,447
5. Big-eyed scad (Matang-baka)	44,262	61,897	64,354
6. Indian sardines (Tamban)	31,630	30,547	40,051
7. Blue crab (Alimasag)	37,030	31,503	31,433
8. Squid (Pusit)	27,787	33,996	37,735
9. Roundscad (Galunggong)	35,525	43,273	55,980
10. Skipjack (Gulyasan)	24,718	26,592	24,242
11. Flying fish (Bolador)	26,152	22,111	22,893
12. Slipmouth (Sapsap)	26,285	28,048	33,528
13. Indian mackerel (Alumahan)	28,905	39,433	45,083
14. Threadfin bream (Bisugo)	20,148	36,423	26,697
15. Siganid (Samaral)	19,142	16,634	17,424
16. Snapper (Maya-maya)	13,169	11,498	9,772
17. Cavalla (Talakitok)	11,981	12,383	12,290
18. Mullet (Kapak, Banak)	13,344	12,642	11,456
19. Indo-pacific mackerel (Hasa-hasa)	12,486	14,268	17,792
20. Parrot fish (Loro)	12,269	6,486	7,893
21. Grouper (Lapu-lapu)	9,593	10,472	10,450
22. Acetes (Alamang)	10,915	5,713	7,197
23. Goatfish (Saramulyete)	8,299	13,178	14,855
24. Crevalle (Salay-salay)	16,235	24,638	26,576
25. Caesio (Dalagang-bukid)	7,630	6,321	6,636
26. Porgies (Pargo)	6,405	5,472	5,703
27. Spanish mackerel (Tanigue)	7,350	6,601	6,641
28. Eastern little tuna (Katchorita)	6,646	7,870	11,639
29. Hairtail (Balila)	5,675	5,868	6,750
30. Round herring (Tulis)	6,117	846	2,515
31. Other Species	175,784	178,114	188,863

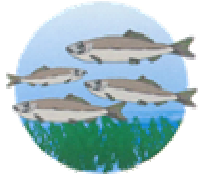
## Volume and Value of Fish Production by Species



**Table 23. INLAND MUNICIPAL FISHERIES: Volume of Production by Species,  
Philippines, 2001 - 2003  
(Metric Tons)**

SPECIES	2001	2002	2003
<b>TOTAL</b>	<b>136,347</b>	<b>131,644</b>	<b>133,292</b>
<b>FISH</b>	<b>62,163</b>	<b>72,907</b>	<b>76,557</b>
Bangus	201	329	1,114
Tilapia	28,881	30,586	32,136
Carpa	5,562	7,615	7,361
Big-head carp		1,512	1,646
Ayungin	3,070	4,765	4,699
Biya	4,280	5,920	5,871
Kanduli	3,868	4,394	4,548
Dalag	6,698	7,388	7,476
Hito	2,366	2,601	2,629
Gourami	3,536	2,830	3,279
Martiniko	1,970	1,193	1,900
Kapak	667	474	526
Dulong	246	190	189
Tawilis	431	348	391
Igat	201	181	287
Ludong	17	15	37
Kitang	55	30	40
Buan-buan	22	38	68
Other Species	92	2,498	2,360
<b>CRUSTACEANS</b>	<b>5,226</b>	<b>5,936</b>	<b>6,898</b>
Hipon	3,967	4,379	4,554
Ulang	262	291	414
Hipon puti	328	341	466
Suahe	174	192	237
Talangka	270	427	490
Alimango	150	219	421
Alimasag	67	69	216
Sugpo	7	13	19
Other Species	1	5	81
<b>MOLLUSCS</b>	<b>68,958</b>	<b>52,571</b>	<b>49,832</b>
Tulya	251	826	1,239
Kabibi	53	71	238
Kuhol	102	82	147
Suso	68,552	51,365	47,698
Other Species		227	510
<b>OTHERS</b>		<b>230</b>	<b>5</b>





## Fisheries Statistics of the Philippines 2001-2003

**Table 24. BRACKISHWATER FISHPOND: Volume and Value of Production by Species, Philippines, 2001 - 2003**

SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>268,120.0 *</b>	<b>254,167.0 *</b>	<b>254,743.9 *</b>
Milkfish (Bangus)	211,594.0 *	203,517.0 *	202,973.3 *
Tiger prawn (Sugpo)	40,698.0	35,490.0 *	34,997.0 *
Tilapia	9,499.0 *	8,393.0 *	9,536.4 *
White shrimp (Hipong puti)	1,276.0	1,541.0	1,517.2
Mud crab (Alimango)	4,585.0	4,726.0	4,784.7
Endeavor prawn (Suahe)	416.0	445.0	517.7
Grouper (Lapu-lapu)	39.0	30.0 *	329.1 *
Siganid (Samaral)	13.0 *	25.0	85.5 *
Others	-	-	3.0 *
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>27,264,280 R</b>	<b>25,037,629</b>	<b>24,791,748</b>
Milkfish (Bangus)	12,173,152 *	11,092,968 *	10,920,587 *
Tiger prawn (Sugpo)	13,600,021 *	12,355,857 *	12,135,555 *
Tilapia	438,057 *	355,168 *	413,963 *
White shrimp (Hipong puti)	120,464	135,728	139,583
Mud crab (Alimango)	849,266	1,011,397	1,046,229
Endeavor prawn (Suahe)	69,120	72,215	86,088
Grouper (Lapu-lapu)	11,945	10,500 *	24,383 *
Siganid (Samaral)	2,255 *	3,796 *	24,886 *
Others	-	-	474 *

R - Revised

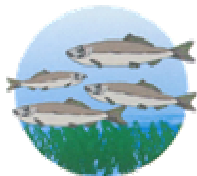
\* - Includes data on brackishwater fish cage and fish pen.

## Volume and Value of Fish Production by Species



**Table 25. FRESHWATER FISH CAGE: Volume and Value of Production  
by Species, Philippines, 2001 - 2003**

SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>42,061.0</b>	<b>49,657.0</b>	<b>52,832.4</b>
Milkfish (Bangus)	951.0	2,863.0	2,144.7
Tilapia	40,779.0	46,338.0	50,178.9
Carp (Carpa)	331.0	454.0	506.8
Other Species	-	2.0	2.0
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,054,620</b>	<b>2,338,016</b>	<b>2,597,983</b>
Milkfish (Bangus)	48,828	144,939	113,688
Tilapia	1,999,186	2,186,862	2,476,536
Carp (Carpa)	6,606	6,103	7,647
Other Species	-	112	112



## Fisheries Statistics of the Philippines 2001-2003

**Table 26. FRESHWATER FISH PEN: Volume and Value of Production by Species, Philippines, 2001 - 2003**

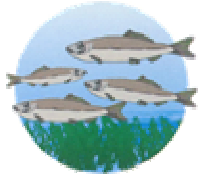
SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>23,927.0</b>	<b>27,468.0</b>	<b>35,875.7</b>
Milkfish (Bangus)	2,835.0	8,274.0	19,539.3
Tilapia	2,147.0	1,713.0	8,207.4
Carp (Carpa)	18,945.0	17,481.0	8,129.0
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>595,139</b>	<b>597,048</b>	<b>1,327,973</b>
Milkfish (Bangus)	123,607	305,752	850,435
Tilapia	88,282	64,983	305,115
Carp (Carpa)	383,250	226,313	172,423

## Volume and Value of Fish Production by Species



**Table 27. FRESHWATER FISHPOND: Volume and Value of Production  
by Species, Philippines, 2001 - 2003**

SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>57,678.0</b>	<b>70,249.9</b>	<b>71,970.0</b>
Milkfish (Bangus)	16.0	27.0	30.1
Tilapia	54,312.0	65,943.4	68,056.5
Carp (Carpa)	292.0	216.3	259.5
Mudfish (Dalag)	1,439.0	1,343.9	1,388.2
Catfish (Hito)	1,525.0	2,634.3	2,163.3
Gourami	44.0	44.0	49.2
Other Species	50.0	41.0	23.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,762,287</b>	<b>2,988,312</b>	<b>3,258,015</b>
Milkfish (Bangus)	975	1,500	1,622
Tilapia	2,582,023	2,763,880	3,038,462
Carp (Carpa)	15,127	11,699	14,210
Mudfish (Dalag)	87,907	77,715	84,155
Catfish (Hito)	73,612	130,848	117,487
Gourami	1,030	1,118	1,328
Other Species	1,613	1,552	751



## Fisheries Statistics of the Philippines 2001-2003

**Table 28. MARINE FISH CAGE: Volume and Value of Production by Species, Philippines, 2001 - 2003**

SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>4,582.0</b>	<b>8,664.9</b>	<b>12,120.5</b>
Milkfish (Bangus)	4,282.0	8,410.5	11,814.3
Grouper (Lapu-lapu)	82.0	78.2	102.7
Siganid (Samaral)	24.0	47.6	62.6
Red snapper (Maya-maya)	-	1.4	-
Tiger prawn (Sugpo)	-	2.5	-
Mud crab (Alimango)	4.0	5.3	7.6
Spiny lobsters (Banagan)	15.0	7.7	9.1
Tilapia	7.0	12.0	16.6
Other Species	168.0	99.7	107.6
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>366,311</b>	<b>553,674</b>	<b>812,295</b>
Milkfish (Bangus)	277,929	500,101	733,860
Grouper (Lapu-lapu)	24,716	27,587	42,840
Siganid (Samaral)	3,345	5,570	6,747
Red snapper (Maya-maya)	-	126	-
Tiger prawn (Sugpo)	-	196	-
Mud crab (Alimango)	400	563	848
Spiny lobsters (Banagan)	14,630	7,631	9,314
Tilapia	511	790	1,488
Other Species	44,780	11,110	17,198

## Volume and Value of Fish Production by Species

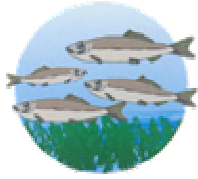


**Table 29. MARINE FISH PEN: Volume and Value of Production by Species,  
Philippines, 2001 - 2003**

SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>5,738.0</b>	<b>9,113.2</b>	<b>10,073.0</b>
Milkfish (Bangus)	5,659.0	9,070.7	10,002.9
Grouper (Lapu-lapu)	15.0	9.6	17.1
Siganid (Samaral)	27.0	11.9	21.3
Red snapper (Maya-maya)	7.0	2.0	-
Tiger prawn (Sugpo)	a/	a/	0.5
Mud crab (Alimango)	19.0	15.4	16.9
Spiny lobsters (Banagan)	2.0	2.1	8.9
White shrimp (Hipong Puti)	-	-	-
Tilapia	2.0	-	-
Other Species	7.0	1.5	5.3
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>384,578</b>	<b>536,050</b>	<b>588,742</b>
Milkfish (Bangus)	370,553	523,743	570,750
Grouper (Lapu-lapu)	4,228	5,958	7,741
Siganid (Samaral)	1,901	839	1,866
Red snapper (Maya-maya)	597	164	-
Tiger prawn (Sugpo)	36	40	105
Mud crab (Alimango)	2,559	2,575	3,071
Spiny lobsters (Banagan)	3,099	2,257	3,876
White shrimp (Hipong Puti)	-	-	-
Tilapia	160	-	-
Other Species	1,445	474	1,333

a/ - Quantity less than 1.0 metric ton.

Figures may not add up to total due to rounding off.



## Fisheries Statistics of the Philippines 2001-2003

Table 30. MARICULTURE: Volume and Value of Production by Species, Philippines, 2001 - 2003

SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>818,350.0</b>	<b>919,073.0</b>	<b>1,016,887.9</b>
Oyster (Talaba)	19,042.0	12,570.0	14,509.6
Mussel (Tahong)	13,513.0	11,646.0	13,490.1
Seaweed	785,795.0	894,857.0	988,888.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>3,207,130</b>	<b>3,367,454</b>	<b>3,822,367</b>
Oyster (Talaba)	146,372	68,401	78,229
Mussel (Tahong)	100,562	62,406	72,141
Seaweed	2,960,196	3,236,647	3,671,997

PART V

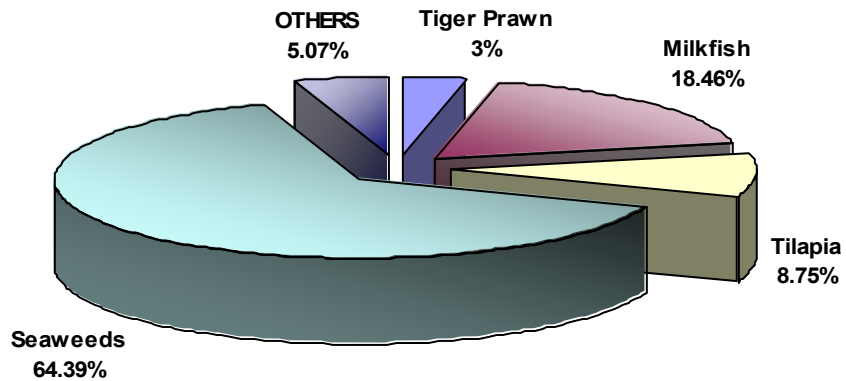
# AQUACULTURE: VOLUME and VALUE of PRODUCTION of MAJOR SPECIES



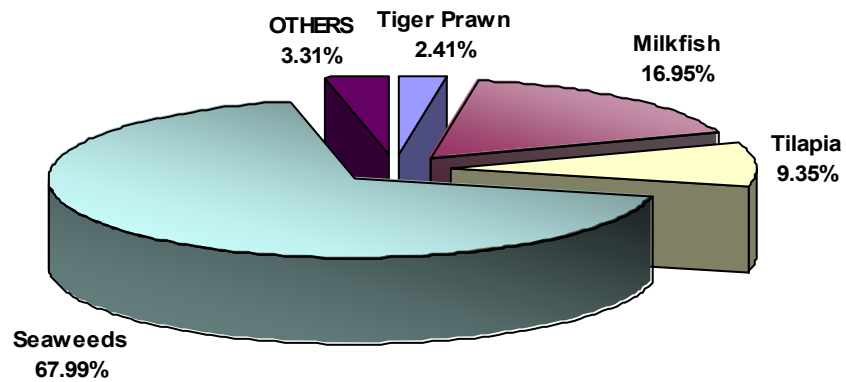


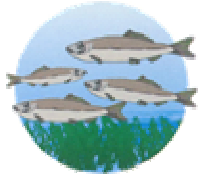


**Figure 21. Percent Contribution of Top Species to Total Volume of Aquaculture Production, Philippines, 2001**



**Figure 22. Percent Contribution of Top Species to Total Volume of Aquaculture Production, Philippines, 2003**





## Fisheries Statistics of the Philippines 2001-2003

Table 31. AQUACULTURE: Volume and Value of Production by Species, Philippines, 2001 - 2003

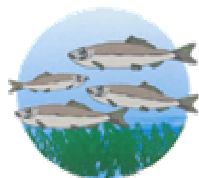
SPECIES	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>1,220,456.0</b>	<b>1,338,393.0</b>	<b>1,454,503.4</b>
Tiger prawn (Sugpo)	40,698.0	35,492.5	34,997.5
Milkfish (Bangus)	225,337.0	232,162.2	246,504.6
Tilapia	106,746.0	122,399.4	135,995.8
Seaweed	785,795.0	894,857.0	988,888.2
Mud crab (Alimango)	4,608.0	4,746.7	4,809.2
Carp (Carpa)	19,568.0	18,151.3	8,895.3
White shrimp (Hipong puti)	1,276.0	1,541.0	1,517.2
Oyster (Talaba)	19,042.0	12,570.0	14,509.6
Mussel (Tahong)	13,513.0	11,646.0	13,490.1
Catfish (Hito)	1,525.0	2,634.3	2,163.3
Other Species	2,348.0	2,192.6	2,732.6
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>36,634,345</b>	<b>35,418,183</b>	<b>37,199,123</b>
Tiger prawn (Sugpo)	13,600,057	12,356,093	12,135,660
Milkfish (Bangus)	12,995,044	12,569,003	13,190,942
Tilapia	5,108,219	5,371,683	6,235,564
Seaweed	2,960,196	3,236,647	3,671,997
Mud crab (Alimango)	852,225	1,014,535	1,050,148
Carp (Carpa)	404,983	244,115	194,280
White shrimp (Hipong puti)	120,464	135,728	139,583
Oyster (Talaba)	146,372	68,401	78,229
Mussel (Tahong)	100,562	62,406	72,141
Catfish (Hito)	73,612	130,848	117,487
Other Species	272,611	228,724	313,092

## Aquaculture: Volume and Value of Production of Major Species



**Table 32. AQUACULTURE: Tiger Prawn: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>40,698.0</b>	<b>35,492.5</b>	<b>34,997.5</b>
I	221.0	219.5	201.7
II	70.0	66.0	62.0
III	19,758.0	15,161.0	14,806.8
NCR	-	37.0	-
IV - A	564.0	432.0	338.0
IV - B	957.0	910.0	864.1
V	512.0	507.0	569.1
VI	1,796.0	767.0	736.5
VII	1,668.0	1,609.0	1,651.5
VIII	228.0	247.0	272.3
IX	6,628.0	7,083.0	7,291.7
X	5,811.0	5,674.0	5,182.3
XI	65.0	91.0	122.5
XII	489.0	634.0	693.5
ARMM	278.0	314.0	229.0
CARAGA	1,653.0	1,741.0	1,976.5
<b>VALUE ( '000 P)</b>			
<b>PHILIPPINES</b>	<b>13,600,057</b>	<b>12,356,093</b>	<b>12,135,660</b>
I	75,083	78,624	73,566
II	22,786	21,495	21,830
III	6,563,523	5,444,558	5,108,952
NCR	-	21,360	-
IV - A	186,366	136,980	119,209
IV - B	285,879	302,907	315,166
V	156,190	156,285	173,739
VI	488,050	240,354	239,029
VII	496,533	578,667	542,565
VIII	62,924	80,244	93,021
IX	2,553,344	2,447,210	2,638,237
X	1,915,236	1,904,789	1,846,173
XI	19,662	30,569	33,549
XII	129,705	197,836	224,346
ARMM	95,025	107,101	75,946
CARAGA	549,751	607,114	630,332



## Fisheries Statistics of the Philippines 2001-2003

**Table 33. AQUACULTURE: Milkfish: Volume and Value of Production by Region, Philippines, 2001 - 2003**

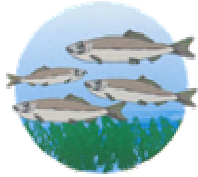
REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>225,337.0</b>	<b>232,162.2</b>	<b>246,504.6</b>
I	31,746.0	36,393.1	39,995.7
II	374.0	368.0	359.9
III	70,466.0	66,102.0	59,599.4
NCR	1,301.0	4,166.0	2,910.6
IV - A	14,773.0	18,727.5	28,116.4
IV - B	2,688.0	3,053.0	4,133.6
V	1,561.0	1,614.0	1,741.3
VI	55,490.0	53,640.6	56,821.7
VII	6,920.0	7,190.1	7,407.1
VIII	1,713.0	2,077.0	2,178.4
IX	12,322.0	9,357.4	9,722.4
X	5,589.0	5,584.0	6,200.1
XI	8,164.0	9,497.8	9,445.5
XII	8,376.0	10,043.7	12,651.7
ARMM	1,899.0	2,144.0	1,916.6
CARAGA	1,955.0	2,204.0	3,304.2
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>12,995,044</b>	<b>12,569,003</b>	<b>13,190,942</b>
I	2,105,292	2,048,282	2,344,648
II	25,741	25,524	25,238
III	4,386,918	3,795,967	3,427,685
NCR	70,614	138,702	129,164
IV - A	902,357	1,024,672	1,324,544
IV - B	164,723	196,253	262,443
V	95,651	98,617	105,775
VI	2,761,291	2,600,341	2,645,556
VII	370,545	384,335	394,646
VIII	126,081	160,588	170,450
IX	529,710	421,896	451,283
X	276,701	303,439	362,100
XI	435,966	499,935	495,336
XII	493,584	580,115	705,539
ARMM	127,223	150,640	138,492
CARAGA	122,648	139,697	208,043

## Aquaculture: Volume and Value of Production of Major Species



**Table 34. AQUACULTURE: Tilapia: Volume and Value of Production  
by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>106,746.0</b>	<b>122,399.4</b>	<b>135,995.8</b>
CAR	2,414.0	2,414.0	2,063.8
I	2,991.0	3,088.0	3,743.4
II	3,946.0	4,305.0	3,959.9
III	52,093.0	61,909.1	64,168.9
NCR	47.0	450.0	460.9
IV - A	32,419.0	32,324.0	42,049.4
IV - B	380.0	512.0	525.4
V	4,693.0	5,055.0	5,716.5
VI	616.0	568.0	616.0
VII	63.0	123.7	136.2
VIII	66.0	103.4	148.5
IX	962.0	1,175.0	1,191.9
X	568.0	582.2	631.3
XI	632.0	648.0	671.6
XII	4,298.0	8,433.0	9,216.2
ARMM	418.0	433.0	378.1
CARAGA	140.0	276.0	317.8
<b>VALUE ( '000 P)</b>			
<b>PHILIPPINES</b>	<b>5,108,219</b>	<b>5,371,683</b>	<b>6,235,564</b>
CAR	149,107	146,329	129,966
I	163,564	157,424	187,289
II	236,152	261,911	241,066
III	2,408,383	2,515,160	2,787,289
NCR	2,091	17,487	20,080
IV - A	1,623,885	1,623,633	2,079,352
IV - B	24,199	34,095	34,547
V	210,139	236,478	264,583
VI	25,764	24,698	29,723
VII	2,556	5,266	6,293
VIII	3,221	5,652	8,505
IX	60,591	35,970	36,955
X	23,780	26,813	31,170
XI	19,900	18,456	19,891
XII	136,634	238,321	334,602
ARMM	13,610	14,223	12,957
CARAGA	4,643	9,767	11,296



## Fisheries Statistics of the Philippines 2001-2003

**Table 35. AQUACULTURE: Seaweed: Volume and Value of Production by Region, Philippines, 2001 - 2003**

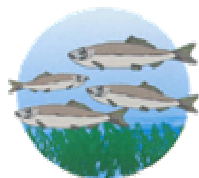
REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>785,795.0</b>	<b>894,857.0</b>	<b>988,888.2</b>
I	-	2.0	-
II	-	-	484.0
IV-A	22,917.0	25,297.0	29,977.5
IV-B	148,716.0	192,060.0	263,946.1
V	21,078.0	21,132.0	22,331.4
VI	30,760.0	38,253.0	48,270.9
VII	76,647.0	82,404.0	75,480.3
VIII	8,296.0	11,097.0	12,914.0
IX	100,182.0	105,811.0	101,458.5
X	10,026.0	11,525.0	18,876.1
XI	268.0	347.0	636.4
ARMM	350,560.0	383,608.0	397,811.0
CARAGA	16,345.0	23,321.0	16,702.0
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>2,960,196</b>	<b>3,236,647</b>	<b>3,671,997</b>
I	-	50	-
II	-	-	1,101
IV-A	146,940	142,185	139,316
IV-B	637,577	755,223	950,828
V	78,842	104,637	103,282
VI	88,321	105,342	170,464
VII	267,622	267,721	71,478
VIII	49,666	49,455	77,319
IX	267,421	313,757	364,026
X	48,153	58,108	117,897
XI	1,868	2,389	3,525
ARMM	1,263,420	1,312,541	1,609,438
CARAGA	110,366	125,239	63,323

## Aquaculture: Volume and Value of Production of Major Species



**Table 36. AQUACULTURE: Mud Crab: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>4,608.0</b>	<b>4,746.7</b>	<b>4,809.2</b>
I	151.0	41.0	35.0
II	28.0	32.0	35.2
III	2,235.0	2,510.0	2,617.2
IV - A	36.0	40.0	47.7
IV - B	11.0	11.0	2.0
V	1,629.0	1,474.0	1,384.7
VI	122.0	203.0	197.7
VII	-	8.2	0.6
VIII	26.0	47.0	81.0
IX	168.0	164.0	168.9
X	73.0	84.0	96.0
XI	12.0	12.0	13.7
ARMM	12.0	10.0	10.0
CARAGA	105.0	110.5	119.5
<b>VALUE ( '000 P)</b>			
<b>PHILIPPINES</b>	<b>852,225</b>	<b>1,014,535</b>	<b>1,050,148</b>
I	27,330	7,675	6,810
II	4,438	5,127	5,686
III	491,800	564,085	652,600
IV - A	4,470	3,990	4,833
IV - B	550	619	102
V	241,576	323,410	252,930
VI	23,147	42,045	44,638
VII	-	1,117	142
VIII	3,242	5,825	9,795
IX	25,630	25,280	28,089
X	15,600	19,900	25,800
XI	1,165	1,128	1,450
ARMM	1,950	1,730	1,667
CARAGA	11,327	12,604	15,606



## Fisheries Statistics of the Philippines 2001-2003

Table 37. AQUACULTURE: Carp: Volume and Value of Production by Region, Philippines, 2001 - 2003

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>19,568.0</b>	<b>18,151.3</b>	<b>8,895.3</b>
CAR	6.0	8.0	6.1
I	8.0	10.0	10.0
II	5.0	8.3	7.2
III	121.0	35.0	41.3
NCR	40.0	72.0	57.8
IV - A	19,242.0	17,863.0	8,597.0
V	a/	a/	7.2
VI	a/	-	0.1
X	131.0	143.0	154.5
XI	7.0	7.0	7.2
CARAGA	8.0	5.0	6.9
<b>VALUE ( '000 P)</b>			
<b>PHILIPPINES</b>	<b>404,983</b>	<b>244,115</b>	<b>194,280</b>
CAR	285	381	272
I	386	370	406
II	348	529	393
III	5,280	1,073	1,475
NCR	692	997	686
IV - A	389,751	231,419	180,394
V	11	12	196
VI	6	-	6
X	7,629	8,907	9,991
XI	328	251	226
CARAGA	267	176	235

a/ - Quantity less than 1.0 metric ton.

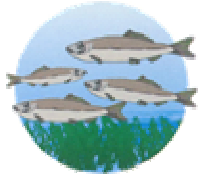


## Aquaculture: Volume and Value of Production of Major Species



**Table 38. AQUACULTURE: White Shrimp: Volume and Value of Production  
by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>1,276.0</b>	<b>1,541.0</b>	<b>1,517.2</b>
I	94.0	104.0	65.2
II	17.0	19.0	10.0
III	22.0	24.0	25.2
IV-A	102.0	106.0	107.0
IV-B	-	-	0.1
V	130.0	100.0	105.0
VI	44.0	41.0	44.5
VII	-	-	6.0
IX	600.0	883.0	898.3
X	1.0	-	5.0
ARMM	129.0	130.0	127.9
CARAGA	137.0	134.0	123.0
<b>VALUE ( '000 P)</b>			
<b>PHILIPPINES</b>	<b>120,464</b>	<b>135,728</b>	<b>139,583</b>
I	13,418	16,072	12,999
II	2,280	2,430	1,282
III	1,430	1,638	1,877
IV-A	24,643	24,315	22,884
IV-B	-	-	9
V	22,056	18,100	21,126
VI	5,040	4,827	5,694
VII	-	-	720
IX	28,805	44,504	50,008
X	122	-	500
ARMM	10,954	12,317	11,567
CARAGA	11,716	11,525	10,917



## Fisheries Statistics of the Philippines 2001-2003

**Table 39. AQUACULTURE: Oyster: Volume and Value of Production by Region, Philippines, 2001 - 2003**

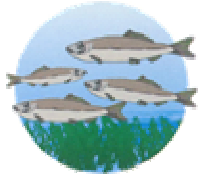
REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>19,042.0</b>	<b>12,570.0</b>	<b>14,509.6</b>
I	3,357.0	2,658.0	2,381.4
II	232.0	276.0	330.0
III	8,165.0	3,765.0	5,827.0
IV-A	1,722.0	164.0	322.0
V	35.0	53.0	55.3
VI	4,557.0	4,644.0	4,769.3
VII	133.0	166.0	154.9
IX	232.0	220.0	241.0
XI	609.0	624.0	428.7
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>146,372</b>	<b>68,401</b>	<b>78,229</b>
I	19,724	16,734	16,431
II	529	679	872
III	73,906	26,489	35,288
IV-A	32,675	3,906	4,965
V	150	247	309
VI	13,503	14,077	15,146
VII	1,749	2,252	1,876
IX	1,230	1,186	1,406
XI	2,906	2,831	1,936

## Aquaculture: Volume and Value of Production of Major Species



**Table 40. AQUACULTURE: Mussel: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>13,513.0</b>	<b>11,646.0</b>	<b>13,490.1</b>
I	-	337.0	-
III	-	-	390.0
IV-A	4,322.0	1,938.0	3,043.0
V	710.0	686.0	793.0
VI	5,943.0	6,241.0	6,461.0
VIII	2,524.0	2,438.0	2,796.3
IX	14.0	6.0	6.8
<b>VALUE ('000 P)</b>			
<b>PHILIPPINES</b>	<b>100,562</b>	<b>62,406</b>	<b>72,141</b>
I	-	1,685	-
III	-	-	1,828.0
IV-A	63,189	27,525	31,275.0
V	11,037	7,544	9,619.0
VI	16,895	16,285	18,213.0
VIII	9,088	9,223	11,036.0
IX	353	144	170.0



## Fisheries Statistics of the Philippines 2001-2003

**Table 41. AQUACULTURE: Catfish: Volume and Value of Production by Region, Philippines, 2001 - 2003**

REGION	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>PHILIPPINES</b>	<b>1,525.0</b>	<b>2,634.3</b>	<b>2,163.3</b>
CAR	2.0	4.0	4.0
I	20.0	19.0	17.5
II	172.0	110.3	104.7
III	995.0	1,941.0	1,221.2
V	33.0	46.0	64.5
VI	124.0	138.0	191.7
VIII	a/	-	-
X	16.0	17.0	23.6
XI	91.0	142.0	151.7
XII	72.0	184.0	279.4
ARMM	-	33.0	105.0
<b>VALUE ( '000 P)</b>			
<b>PHILIPPINES</b>	<b>73,612</b>	<b>130,848</b>	<b>117,487</b>
CAR	119	185	240
I	1,208	1,017	967
II	11,606	7,014	6,730
III	41,549	90,135	60,761
V	1,720	2,524	3,447
VI	8,339	9,150	13,076
VIII	2	-	-
X	1,090	1,260	1,748
XI	4,713	7,693	8,310
XII	3,266	10,365	16,265
ARMM	-	1,505	5,943

a/ - Quantity less than 1.0 metric ton.

## Aquaculture: Volume and Value of Production of Major Species



**Table 42. AQUACULTURE: Top Producing Provinces by Major Species, Philippines, 2001 -2003**

SPECIES/PROVINCES	Average Annual Production (M.T.)	Percent Share	Cumulative %Share
<b>MILKFISH</b>	<b>234,667.9</b>	<b>100.00</b>	
1. Bulacan	41,250.0	17.58	17.58
2. Pangasinan	34,952.0	14.89	32.47
3. Capiz	16,492.2	7.03	39.50
4. Iloilo	15,822.3	6.74	46.24
5. Negros Occidental	14,266.6	6.08	52.32
6. Quezon	13,286.0	5.66	57.98
7. Pampanga	13,377.8	5.70	63.68
8. Aklan	7,384.3	3.15	66.83
9. Bataan	7,478.3	3.19	70.02
10. Rizal	6,730.7	2.87	72.89
Other Provinces	63,627.7	27.11	100.00
<b>TILAPIA</b>	<b>121,713.7</b>	<b>100.00</b>	
1. Pampanga	41,648.0	34.22	34.22
2. Batangas	24,625.0	20.23	54.45
3. Bulacan	8,540.0	7.02	61.47
4. Laguna	6,882.0	5.65	67.12
5. Nueva Ecija	5,264.5	4.33	71.45
6. Camarines Sur	4,088.3	3.36	74.80
7. Sultan Kudarat	4,902.8	4.03	78.83
8. Rizal	2,712.7	2.23	81.06
9. Isabela	2,368.3	1.95	83.01
10. Tarlac	2,279.6	1.87	84.88
Other Provinces	18,402.5	15.12	100.00
<b>TIGER PRAWN</b>	<b>37,062.6</b>	<b>100.00</b>	
1. Pampanga	14,375.8	38.79	38.79
2. Lanao del Norte	4,881.7	13.17	51.96
3. Zamboanga Sibugay	4,076.2	11.00	62.96
4. Zamboanga del Sur	4,179.3	11.28	74.23
5. Bulacan	1,821.3	4.91	79.15
Other Provinces	7,728.3	20.85	100.00
<b>SEAWEED</b>	<b>889,846.7</b>	<b>100.00</b>	
1. Palawan	198,471.3	22.30	22.30
2. Tawi-Tawi	187,263.0	21.04	43.35
3. Sulu	179,785.0	20.20	63.55
4. Bohol	75,529.0	8.49	72.04
5. Antique	38,815.7	4.36	76.40
Other Provinces	209,982.7	23.60	100.00
<b>OYSTER</b>	<b>15,373.9</b>	<b>100.00</b>	
1. Bulacan	5,919.0	38.50	38.50
2. Capiz	2,855.7	18.57	57.08
3. Pangasinan	2,523.3	16.41	73.49
4. Negros Occidental	1,052.0	6.84	80.33
5. Iloilo	627.7	4.08	84.41
Other Provinces	2,396.2	15.59	100.00
<b>MUSSEL</b>	<b>12,883.0</b>	<b>100.00</b>	
1. Capiz	4,008.0	31.11	31.11
2. Cavite	3,101.0	24.07	55.18
3. Western Samar	2,586.1	20.07	75.25
4. Negros Occidental	1,330.7	10.33	85.58
5. Aklan	862.9	6.70	92.28
Other Provinces	994.3	7.72	100.00

# PART VI

# FISH PRICES

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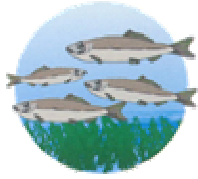




**Table 43. Average Wholesale Prices of Selected Fish Species,  
Philippines, 2001 - 2003  
(Pesos per Kilogram)**

SPECIES	2001	2002	2003
1. Indian mackerel (Alumahan)	60.30	61.53	60.52
2. Milkfish (Bangus)	66.69	61.83	59.87
3. Threadfin bream (Bisugo)	68.29	67.18	67.01
4. Caesio (Dalagang-bukid)	67.99	64.20	61.51
5. Anchovies (Dilis)	35.96	32.95	33.48
6. Roundscad (Galonggong)	44.50	43.80	43.87
7. Slipmouth (Sapsap)	35.95	38.68	39.43
8. Tiger prawn (Sugpo)	341.36	329.06	328.69
9. Tilapia	45.80	43.53	44.01
10. Frigate tuna (Tulingan)	48.01	46.84	46.55
11. Blue crab (Alimasag)	63.15	63.14	72.12

Source: Agricultural Marketing Statistics Analysis Division (AMSAD), BAS.



## Fisheries Statistics of the Philippines 2001-2003

**Table 44. Average Retail Prices of Selected Fish Species,  
Philippines, 2001 - 2003  
(Pesos per Kilogram)**

SPECIES	2001	2002	2003
1. Indian mackerel (Alumahan)	70.72	72.69	72.90
2. Milkfish (Bangus)	82.50	78.92	75.24
3. Threadfin bream (Bisugo)	91.34	93.27	94.99
4. Caesio (Dalagang-bukid)	93.08	93.96	94.20
5. Anchovies (Dilis)	50.21	49.45	50.65
6. Roundscad (Galonggong)	59.44	60.61	59.81
7. Slipmouth (Sapsap)	71.58	75.36	75.04
8. Tiger prawn (Sugpo)	351.29	360.55	360.49
9. Tilapia	59.17	57.71	58.80
10. Frigate tuna (Tulingan)	57.30	57.96	60.05
11. Blue crab (Alimasag)	97.96	100.33	106.52

Source: Agricultural Marketing Statistics Analysis Division (AMSAD), BAS.

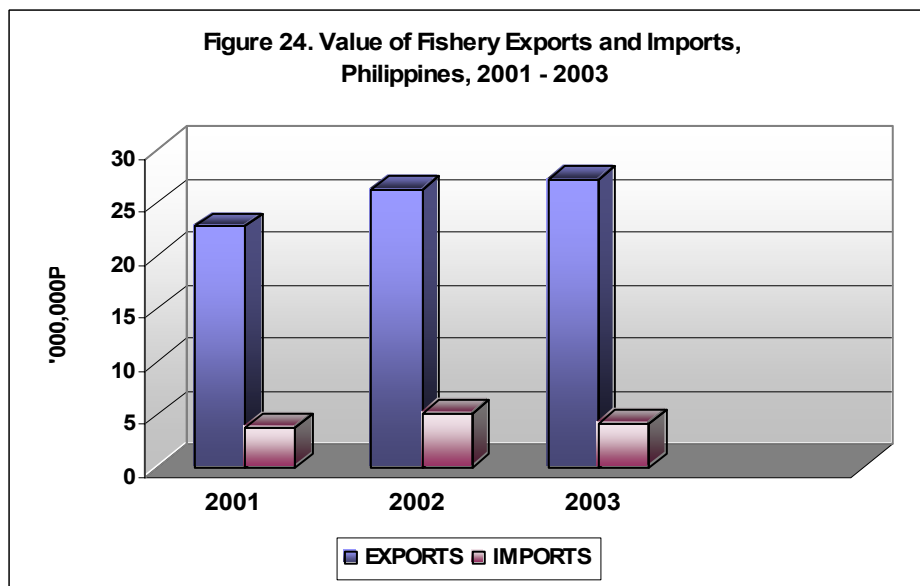
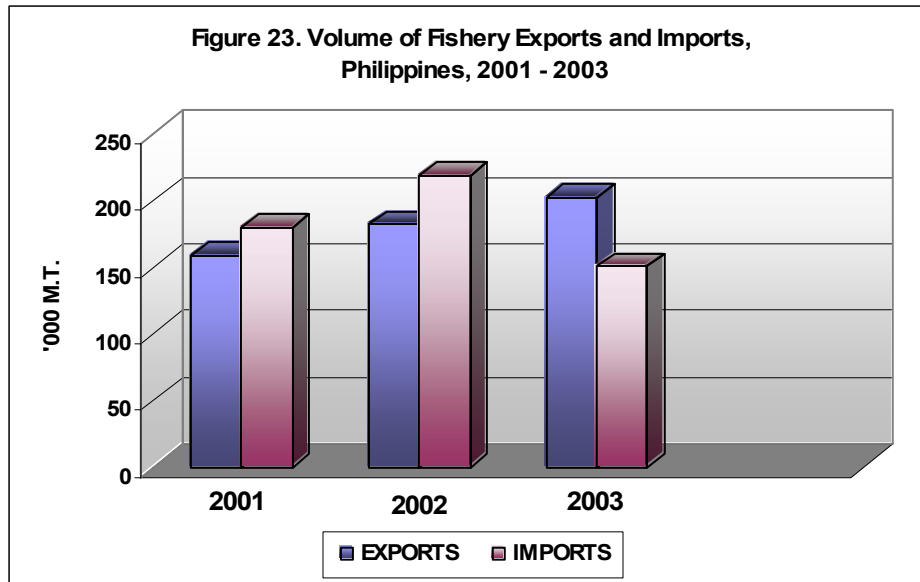


# PART VII

## FOREIGN TRADE

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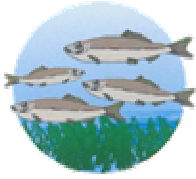


Figure 25. Percent Contribution of Top Fishery Exports to Total Export Value, Philippines, 2001

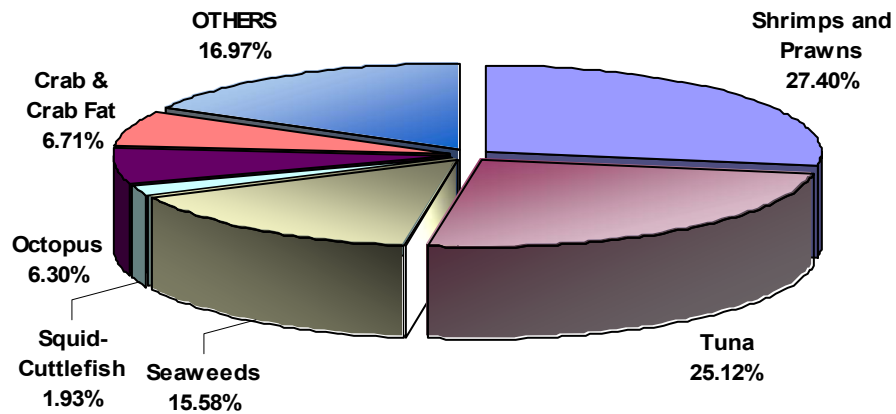


Figure 26. Percent Contribution of Top Fishery Exports to Total Export Value, Philippines, 2003

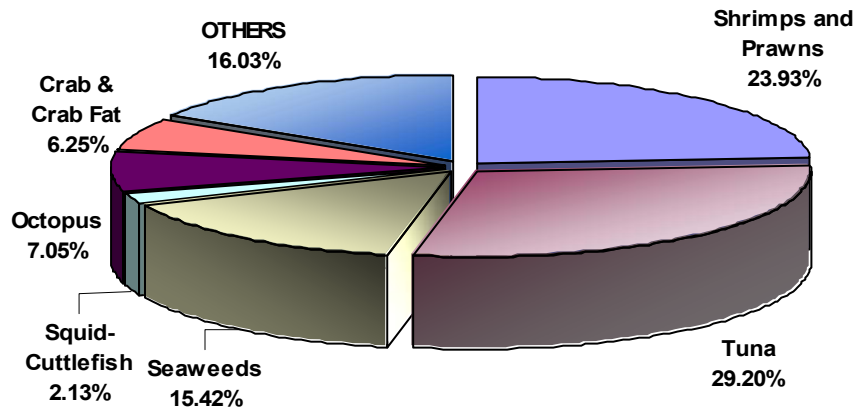




Figure 27. Percent Contribution of Top Fishery Imports to Total Import Value, Philippines, 2001

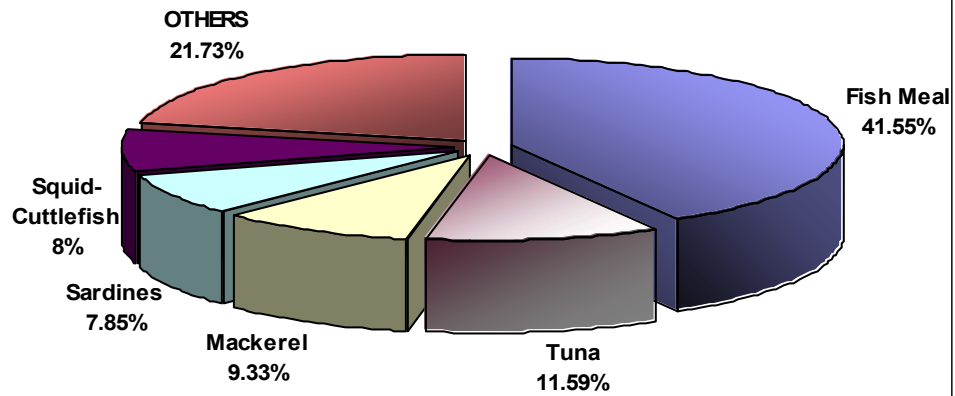
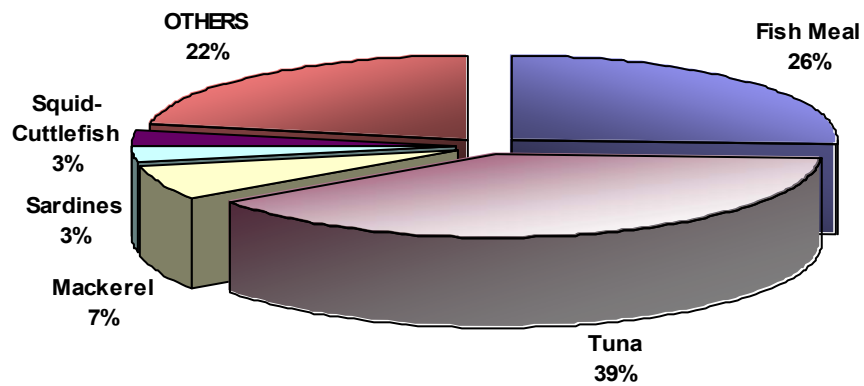
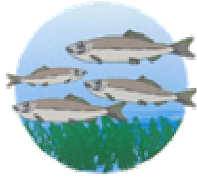


Figure 28. Percent Contribution of Top Fishery Imports to Total Import Value, Philippines, 2003





## Fisheries Statistics of the Philippines 2001-2003

Table 45. Volume and Value of Export of Fish and Fishery Products, Philippines, 2001 - 2003

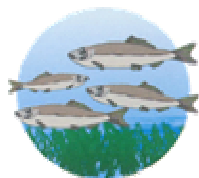
ITEM	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>TOTAL EXPORTS</b>	<b>159,069</b>	<b>182,032</b>	<b>202,016</b>
<b>I. FISH, CRUSTACEANS, MOLLUSCS, ETC. AND PREPARATIONS</b>	<b>114,791</b>	<b>135,518</b>	<b>155,129</b>
1. Fish, Fresh (Live/Dead), Chilled/Frozen	41,397	42,300	49,612
2. Fish, Dried, Salted/In Brine; Smoked Fish	1,534	2,057	1,672
3. Crustaceans, Molluscs and Aquatic Invertebrates	34,042	38,236	41,464
4. Fish and Other Aquatic Invertebrates, Prepared/Preserved	37,818	52,925	62,381
<b>II. SHELLS AND BY-PRODUCTS</b>	<b>2,233</b>	<b>2,714</b>	<b>3,224</b>
<b>III. MISCELLANEOUS FISHERY PRODUCTS AND BY-PRODUCTS</b>	<b>42,045</b>	<b>43,800</b>	<b>43,663</b>
1. Seaweeds	41,267	40,259	42,594
2. Other fishery products	778	3,541	1,069
<b>VALUE ('000 P)</b>			
<b>TOTAL EXPORTS</b>	<b>22,723,208</b>	<b>26,177,760</b>	<b>27,127,083</b>
<b>I. FISH, CRUSTACEANS, MOLLUSCS, ETC. AND PREPARATIONS</b>	<b>18,479,850</b>	<b>21,319,561</b>	<b>22,179,076</b>
1. Fish, Fresh (Live/Dead), Chilled/Frozen	4,295,247	4,313,862	4,274,711
2. Fish, Dried, Salted/In Brine; Smoked Fish	230,090	235,357	252,202
3. Crustaceans, Molluscs and Aquatic Invertebrates	9,666,784	10,862,225	10,517,925
4. Fish and Other Aquatic Invertebrates, Prepared/Preserved	4,287,729	5,908,117	7,134,238
<b>II. SHELLS AND BY-PRODUCTS</b>	<b>649,878</b>	<b>952,920</b>	<b>710,861</b>
<b>III. MISCELLANEOUS FISHERY PRODUCTS AND BY-PRODUCTS</b>	<b>3,593,480</b>	<b>3,905,279</b>	<b>4,237,146</b>
1. Seaweeds	3,540,460	3,759,618	4,182,926
2. Other fishery products	53,020	145,661	54,220

Source: National Statistics Office (NSO).



Table 46. Volume and Value of Major Fishery Exports by Kind, Philippines, 2001 - 2003

KIND	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>TOTAL EXPORTS</b>	<b>159,069</b>	<b>182,032</b>	<b>202,016</b>
<b>Total Major Exports</b>	<b>145,066</b>	<b>164,165</b>	<b>181,629</b>
<b>% Contribution to Total Exports</b>	<b>91.20</b>	<b>90.18</b>	<b>89.91</b>
1. Tuna	56,329	71,171	84,288
2. Shrimps and Prawns	12,757	16,919	19,080
3. Seaweeds	41,267	40,259	42,594
4. Octopus	11,806	11,821	11,441
5. Crab and Crab Fat	5,652	5,296	5,206
6. Grouper, Live	4,905	6,608	6,753
7. Squid and Cuttlefish	1,687	2,419	2,656
8. Ornamental fish, Live	5,535	5,632	5,912
9. Roundscad	3,858	2,633	2,690
10. Sea cucumber, Dried	1,270	1,407	1,009
<b>VALUE ('000 P)</b>			
<b>TOTAL EXPORTS</b>	<b>22,723,208</b>	<b>26,177,760</b>	<b>27,127,083</b>
<b>Total Major Exports</b>	<b>20,373,132</b>	<b>23,224,522</b>	<b>24,003,650</b>
<b>% Contribution to Total Exports</b>	<b>89.66</b>	<b>88.72</b>	<b>88.49</b>
1. Tuna	5,707,428	7,194,216	7,921,002
2. Shrimps and Prawns	6,226,503	7,287,333	6,490,951
3. Seaweeds	3,540,460	3,759,618	4,182,926
4. Octopus	1,430,478	1,664,988	1,911,417
5. Crab and Crab Fat	1,524,925	1,555,145	1,695,005
6. Grouper, Live	574,978	549,427	471,280
7. Squid and Cuttlefish	437,859	447,786	578,642
8. Ornamental fish, Live	320,500	333,130	348,169
9. Roundscad	325,052	204,178	235,361
10. Sea cucumber, Dried	284,949	228,701	168,897



## Fisheries Statistics of the Philippines 2001-2003

Table 47. Volume and Value of Major Fishery Exports by Kind and Form, Philippines, 2001 - 2003

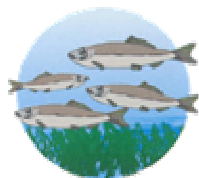
KIND/Form	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>TOTAL EXPORTS</b>	<b>159,069</b>	<b>182,032</b>	<b>202,016</b>
<b>Total Major Exports</b>	<b>145,066</b>	<b>164,165</b>	<b>181,629</b>
<b>% Contribution to Total Exports</b>	<b>91.20</b>	<b>90.18</b>	<b>89.91</b>
1. Tuna	56,329	71,171	84,288
Fresh/Chilled/Frozen	21,649	22,496	27,206
Dried/Smoked	771	705	228
Prepared/Preserved	33,909	47,970	56,854
2. Shrimps and Prawns	12,757	16,919	19,080
Fresh/Chilled/Frozen	12,513	16,562	18,937
Other than Frozen	244	356	137
Prepared/Preserved		1	6
3. Seaweeds	41,267	40,259	42,594
Seaweeds and other algae, nes	31,644	31,098	31,324
Seaweeds and algae used for food	28	143	127
Carrageenan	8,648	7,928	10,108
Kelp powder	947	1,090	1,035
4. Octopus	11,806	11,821	11,441
Fresh/Chilled	176	116	
Dried/Salted	11,630	11,705	11,441
5. Crab and Crab Fat	5,652	5,296	5,206
Fresh/Chilled/Frozen	96	100	315
Other than Frozen	4,815	4,188	3,674
Prepared and Preserved	741	1,008	1,217
6. Grouper, Live	4,905	6,608	6,753
7. Squid and Cuttlefish	1,687	2,419	2,656
Fresh/Chilled	33	40	
Dried/Salted	1,612	2,338	2,631
Prepared/Preserved	42	41	25
8. Ornamental Fish, Live	5,535	5,632	5,912
9. Roundscad	3,858	2,633	2,690
Fresh/Chilled/Frozen	3,712	2,471	2,552
Dried/Smoked/Salted	146	162	138
10. Sea Cucumber, Dried	1,270	1,407	1,009



Table 47. Volume and Value of Major Fishery Exports by Kind and Form, Philippines, 2001 - 2003  
(Cont'n.)

KIND/Form	2001	2002	2003
<b>VALUE ('000 P)</b>			
<b>TOTAL EXPORTS</b>	<b>22,723,208</b>	<b>26,177,760</b>	<b>27,127,083</b>
<b>Total Major Exports</b>	<b>20,373,132</b>	<b>23,224,522</b>	<b>24,003,650</b>
<b>% Contribution to Total Exports</b>	<b>89.66</b>	<b>88.72</b>	<b>88.49</b>
1. Tuna	5,707,428	7,194,216	7,921,002
Fresh/Chilled/Frozen	2,187,390	2,304,525	2,114,129
Dried/Smoked	112,789	69,092	25,016
Prepared/Preserved	3,407,249	4,820,599	5,781,857
2. Shrimps and Prawns	6,226,503	7,287,333	6,490,951
Fresh/Chilled/Frozen	6,118,526	7,184,216	6,445,029
Other than Frozen	107,977	102,715	44,158
Prepared/Preserved		402	1,764
3. Seaweeds	3,540,460	3,759,618	4,182,926
Seaweeds and other algae, nes	1,612,057	1,766,097	1,716,504
Seaweeds and algae used for food	1,905	8,929	10,616
Carrageenan	1,912,428	1,970,259	2,440,228
Kelp powder	14,070	14,333	15,578
4. Octopus	1,430,478	1,664,988	1,911,417
Fresh/Chilled	19,072	14,773	
Dried/Salted	1,411,406	1,650,215	1,911,417
5. Crab and Crab Fat	1,524,925	1,555,145	1,695,005
Fresh/Chilled/Frozen			
Fresh/Chilled/Frozen	14,914	13,804	53,511
Other than Frozen	945,693	836,005	722,002
Prepared and Preserved	564,318	705,336	919,492
6. Grouper, Live	574,978	549,427	471,280
7. Squid and Cuttlefish	437,859	447,786	578,642
Fresh/Chilled	7,559	7,057	
Dried/Salted	422,925	431,917	573,716
Prepared/Preserved	7,375	8,812	4,926
8. Ornamental Fish, Live	320,500	333,130	348,169
9. Roundscad	325,052	204,178	235,361
Fresh/Chilled/Frozen	302,136	177,793	215,086
Dried/Smoked/Salted	22,916	26,385	20,275
Dried/Smoked/Salted			
10. Sea Cucumber, Dried	284,949	228,701	168,897





## Fisheries Statistics of the Philippines 2001-2003

Table 48. TUNA: Volume and Value of Exports by Kind and by Major Destinations, Philippines, 2001 - 2003

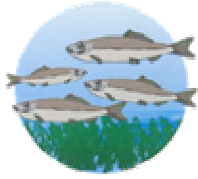
KIND/MAJOR DESTINATIONS	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>1. Fresh/Chilled ,Frozen</b>			
Japan	4,115	8,846	14,446
U S A	3,297	4,386	3,054
Indonesia	4,025	3,982	2,003
Thailand	5,604	2,414	1,488
Hong Kong	1,002	1,284	822
Taiwan	2,346	963	404
Switzerland	249	225	37
Germany	146	16	88
United Arab Emirates	76	142	90
Hawaii	231	44	75
<b>2. Prepared/Preserved in Airtight Containers</b>			
U S A	8,028	10,318	18,766
Singapore	4,240	4,943	5,726
Japan	2,258	3,765	4,280
South Africa	2,984	2,008	3,056
Canada	3,469	7,404	5,638
Germany	4,623	5,450	6,302
Taiwan	1,196	4,221	3,334
United Kingdom	2,031	4,121	2,844
Netherlands	771	1,025	1,046
Kuwait	1,036	389	638
<b>3. Dried/Smoked</b>			
Japan	673	413	40
U S A	23	101	162
Taiwan	53	109	9
<b>VALUE ( 000 P)</b>			
<b>1. Fresh/Chilled, Frozen</b>			
Japan	404,066	637,016	809,046
U S A	903,457	990,468	695,435
Indonesia	164,499	141,621	106,981
Thailand	216,706	102,473	43,501
Hong Kong	193,095	259,901	168,044
Taiwan	124,644	62,135	31,677
Switzerland	48,061	45,297	8,671
Germany	11,825	1,377	8,858
United Arab Emirates	14,559	27,072	14,078
Hawaii	61,655	10,280	18,813
<b>2. Prepared/Preserved in Airtight Containers</b>			
U S A	722,859	942,602	1,893,529
Singapore	485,409	577,419	589,116
Japan	204,480	395,336	434,299
South Africa	275,958	175,544	277,418
Canada	340,899	672,602	549,198
Germany	439,274	519,836	598,441
Taiwan	133,500	497,705	383,880
United Kingdom	217,162	437,636	299,440
Netherlands	88,002	110,935	94,537
Kuwait	128,365	49,110	79,758
<b>3. Dried/Smoked</b>			
Japan	102,570	42,423	4,017
U S A	6,869	14,228	17,069
Taiwan	2,181	5,273	338



**Table 49. SHRIMPS & PRAWNS: Volume and Value of Export by Kind and by Major Destinations, Philippines, 2001 - 2003**

KIND/MAJOR DESTINATIONS	2001	2002	2003
<b>VOLUME (MT)</b>			
1. Frozen			
Japan	8,491	8,325	6,596
Spain		1,886	3,457
U S A	1,621	1,107	1,371
Korea	511	713	866
Belgium	10	103	540
Hong Kong	97	311	257
Netherlands	38		224
Portugal	3	67	175
Guam	131	191	167
Trust Territory	97	211	152
Italy		39	322
Canada	186	152	129
Taiwan	297	322	98
China, People's Rep. of		21	79
United Kingdom	45	8	131
Thailand	54	55	37
2. Fresh/Chilled			
Korea	695	2,634	3,873
Japan	102	236	118
Spain			70
Hong Kong	18	16	27
Taiwan	a/	8	23
Guam	10	2	37
Belgium			22
Canada	a/		16
U S A	a/	35	8
United Arab Emirates	10		
3. Other than Fresh/Chilled or Frozen			
Japan	195	181	82
Spain		167	49
Malaysia			2
Taiwan		6	2
Australia			1
4. Prepared/Preserved			
Japan			3
U S A		1	3

a/ Quantity less than half metric ton.



## Fisheries Statistics of the Philippines 2001-2003

**Table 49. SHRIMPS & PRAWNS: Volume and Value of Export by Kind and by Major Destinations, Philippines, 2001 - 2003 (Cont'd.)**

KIND/MAJOR DESTINATIONS	2001	2002	2003
<b>VALUE ('000 P)</b>			
1. Frozen			
Japan	4,349,740	4,280,971	2,741,500
Spain		419,603	714,989
U S A	749,327	546,842	583,776
Korea	293,764	369,421	384,588
Belgium	4,359	24,767	108,978
Hong Kong	18,790	80,106	62,015
Netherlands	17,686		60,268
Portugal	561	13,667	44,886
Guam	78,457	114,251	101,160
Trust Territory	43,420	82,550	59,362
Italy		11,658	73,617
Canada	97,263	98,541	92,381
Taiwan	89,477	61,228	5,747
China, People's Rep. of		2,264	16,518
United Kingdom	19,609	3,324	41,595
Thailand	21,727	12,302	9,185
2. Fresh/Chilled			
Korea	239,477	872,851	1,194,885
Japan	34,693	124,092	39,507
Spain			17,060
Hong Kong	6,335	6,683	9,147
Taiwan	101	2,110	5,220
Guam	1,681	527	12,811
Belgium			4,269
Canada	1		3,566
U S A	77	12,858	2,874
United Arab Emirates	4,423		
3. Other than Fresh/Chilled or Frozen			
Japan	79,778	64,984	32,171
Spain		36,939	10,218
Malaysia			968
Taiwan		179	259
Australia			161
4. Prepared/Preserved			
Japan			1,328
U S A		402	378

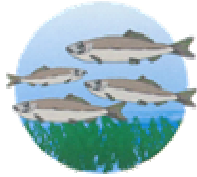
a/ Quantity less than half metric ton.



**Table 50. SEaweeds: Volume and Value of Export by Kind and by Major Destinations, Philippines, 2001 - 2003**

KIND/MAJOR DESTINATIONS	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>1. Seaweeds and Other Algae, nes</b>			
France	5,477	6,837	7,520
Korea	4,416	5,258	4,557
China, People's Rep.	2,415	4,500	4,320
U S A	4,740	3,881	4,837
Hong Kong	5,521	2,932	1,294
Spain	2,218	2,015	2,232
Denmark	1,287	1,599	1,383
Brazil	726	1,046	540
Thailand	432	353	477
Chile	1,246	502	474
Argentina	182	256	646
Canada	194	292	285
<b>2. Carrageenan</b>			
Denmark	1,502	1,593	2,074
United Kingdom	1,161	1,223	740
France	1,496	957	1,022
Canada	539	621	494
U S A	642	618	1,192
Netherlands	442	374	644
Mexico	112	222	285
Belgium	444	439	487
Australia	570	279	565
Germany	457	362	406
China, People's Rep.	143	132	185
New Zealand	218	165	199
Brazil	166	93	187
Chile	32	9	317
Japan	73	64	233
Thailand	22	128	225
<b>3. Seaweeds used for food</b>			
Denmark		90	
Japan	9	21	27
Hong Kong		19	a/
Okinawa	4	10	17
France	a/		80
<b>4. Kelp Powder</b>			
Japan	879	1,075	1,035
Spain	21		
Thailand	20		
U S A	27		
China, People's Rep. of		15	

a/ Quantity less than half metric ton.



## Fisheries Statistics of the Philippines 2001-2003

**Table 50. SEaweEDS: Volume and Value of Export by Kind and by Major Destinations, Philippines, 2001 - 2003 (Cont'n.)**

KIND/MAJOR DESTINATIONS	2001	2002	2003
<b>VALUE ('000 P)</b>			
<b>1. Seaweeds and Other Algae, nes</b>			
France	214,552	282,984	296,683
Korea	104,246	162,015	156,501
China, People's Rep.	100,454	143,370	112,679
U S A	251,072	263,110	345,378
Hong Kong	178,771	101,353	45,331
Spain	82,207	92,978	88,075
Denmark	138,845	207,312	159,745
Brazil	27,371	42,679	19,429
Thailand	60,092	59,288	97,371
Chile	71,131	69,054	22,672
Argentina	6,572	9,962	25,176
Canada	39,012	56,896	49,575
<b>2. Carrageenan</b>			
Denmark	609,370	595,566	632,069
United Kingdom	196,799	207,442	129,886
France	285,506	278,679	247,343
Canada	104,053	133,422	108,923
U S A	133,218	143,197	308,744
Netherlands	103,416	86,184	156,217
Mexico	33,755	61,786	83,683
Belgium	66,623	69,560	89,812
Australia	80,594	38,507	100,121
Germany	89,401	56,297	83,097
China, People's Rep.	17,354	27,729	55,625
New Zealand	37,060	27,798	31,697
Brazil	8,950	25,719	36,917
Chile	12,205	3,176	52,439
Japan	15,468	12,701	35,060
Thailand	9,033	33,980	89,487
<b>3. Seaweeds used for food</b>			
Denmark		2,698	
Japan	418	3,162	4,699
Hong Kong		735	52
Okinawa	456	1,988	2,900
France	9		2,877
<b>4. Kelp Powder</b>			
Japan	11,640	14,271	15,578
Spain	1,150		
Thailand	921		
U S A	358		
China, People's Rep. of		62	

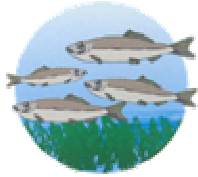
a/ Quantity less than half metric ton.



Table 51. Volume and Value of Import of Fish and Fishery Products, Philippines, 2001 - 2003

ITEM	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>TOTAL</b>	<b>179,994</b>	<b>218,585</b>	<b>150,533</b>
<b>I. FISH AND FISH PREPARATIONS</b>	<b>87,512</b>	<b>141,591</b>	<b>96,944</b>
1. Fish, Fresh (Live/Dead), Chilled/Frozen	72,711	125,632	86,774
2. Fish, Dried, Salted/In Brine; Smoked Fish	284	652	260
3. Crustaceans, Mollusks and Aquatic Invertebrates	13,338	13,154	9,178
4. Fish and Other Aquatic Invertebrates, Prepared/Preserved	1,179	2,153	732
<b>II. SHELLS AND BY-PRODUCTS</b>	<b>2,867</b>	<b>1,573</b>	<b>1,554</b>
<b>III. MISCELLANEOUS FISHERY PRODUCTS AND BY-PRODUCTS</b>	<b>89,615</b>	<b>75,421</b>	<b>52,035</b>
1. Fish meal	84,546	71,500	44,567
2. Other fishery products	5,069	3,921	7,468
<b>VALUE ('000 P)</b>			
<b>TOTAL</b>	<b>3,815,210</b>	<b>5,073,338</b>	<b>4,150,865</b>
<b>I. FISH AND FISH PREPARATIONS</b>	<b>1,837,625</b>	<b>2,985,969</b>	<b>2,575,420</b>
1. Fish, Fresh (Live/Dead), Chilled/Frozen	1,393,541	2,472,770	2,283,394
2. Fish, Dried, Salted/In Brine; Smoked Fish	16,932	30,100	24,470
3. Crustaceans, Mollusks and Aquatic Invertebrates	358,762	402,113	210,797
4. Fish and Other Aquatic Invertebrates, Prepared/Preserved	68,390	80,986	56,759
<b>II. SHELLS AND BY-PRODUCTS</b>	<b>49,735</b>	<b>35,996</b>	<b>32,696</b>
<b>III. MISCELLANEOUS FISHERY PRODUCTS AND BY-PRODUCTS</b>	<b>1,927,850</b>	<b>2,051,373</b>	<b>1,542,749</b>
1. Fish meal	1,585,071	1,725,862	1,077,005
2. Other fishery products	342,779	325,511	465,744

Source: National Statistics Office (NSO).



## Fisheries Statistics of the Philippines 2001-2003

**Table 52. Volume and Value of Major Fishery Imports by Kind, Philippines, 2001 - 2003**

KIND	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>TOTAL IMPORTS</b>	<b>179,994</b>	<b>218,585</b>	<b>150,533</b>
<b>Total Major Imports</b>	<b>164,011</b>	<b>196,949</b>	<b>129,460</b>
<b>% Contribution to Total Imports</b>	<b>91.12</b>	<b>90.10</b>	<b>86.00</b>
1. Fish Meal	84,546	71,500	44,567
2. Tuna	19,290	30,483	51,945
3. Mackerel	23,123	27,390	18,353
4. Sardines	24,292	56,429	7,597
5. Squid and Cuttlefish	12,760	11,147	6,998
<b>VALUE ('000 P)</b>			
<b>TOTAL IMPORTS</b>	<b>3,815,210</b>	<b>5,073,338</b>	<b>4,150,865</b>
<b>Total Major Imports</b>	<b>2,985,055</b>	<b>4,182,669</b>	<b>3,245,301</b>
<b>% Contribution to Total Imports</b>	<b>78.24</b>	<b>82.44</b>	<b>78.18</b>
1. Fish Meal	1,585,071	1,725,862	1,077,005
2. Tuna	441,327	903,649	1,634,840
3. Mackerel	355,861	420,078	270,661
4. Sardines	299,551	870,689	122,075
5. Squid and Cuttlefish	303,245	262,391	140,720

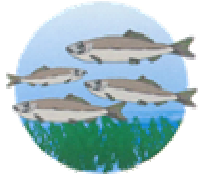


**Table 53. Volume and Value of Major Fishery Imports by Kind and Form, Philippines, 2001 - 2003**

KIND/Form	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>TOTAL IMPORTS</b>	<b>179,994</b>	<b>218,585</b>	<b>150,533</b>
<b>Total Major Imports</b>	<b>164,011</b>	<b>196,949</b>	<b>129,460</b>
<b>% Contribution to Total Imports</b>	<b>91.12</b>	<b>90.10</b>	<b>86.00</b>
1. Fish Meal	84,546	71,500	44,567
2. Tuna	19,290	30,483	51,945
Fresh/Chilled/Frozen	19,075	30,197	51,892
Salted/Smoked	19	21	31
Prepared/Preserved	196	265	22
3. Mackerel	23,123	27,390	18,353
Frozen	23,122	27,365	18,341
Dried, Salted/in Brine		a/	8
Prepared/Preserved	1	25	4
4. Sardines	24,292	56,429	7,597
Fresh/Chilled/Frozen	24,012	56,173	7,454
Prepared/Preserved	280	256	143
5. Squid and Cuttlefish	12,760	11,147	6,998
Dried/Salted	12,580	11,045	6,993
Prepared/Preserved	180	102	5
<b>VALUE ('000 P)</b>			
<b>TOTAL IMPORTS</b>	<b>3,815,210</b>	<b>5,073,338</b>	<b>4,150,865</b>
<b>Total Major Imports</b>	<b>2,985,055</b>	<b>4,182,669</b>	<b>3,245,301</b>
<b>% Contribution to Total Imports</b>	<b>78.24</b>	<b>82.44</b>	<b>78.18</b>
1. Fish Meal	1,585,071	1,725,862	1,077,005
2. Tuna	441,327	903,649	1,634,840
Fresh/Chilled/Frozen	430,039	895,767	1,630,799
Salted/Smoked	693	912	2,141
Prepared/Preserved	10,595	6,970	1,900
3. Mackerel	355,861	420,078	270,661
Fresh/Chilled/Frozen	355,814	418,969	268,615
Salted/Smoked	-	11	1,946
Prepared/Preserved	47	10,989	100
4. Sardines	299,551	870,689	122,075
Fresh/Chilled/Frozen	284,968	856,096	113,955
Prepared/Preserved	14,583	14,593	8,120
5. Squid and Cuttlefish	303,245	262,391	140,720
Dried/Salted	296,344	257,929	140,353
Prepared/Preserved	6,901	4,462	367

a/ Less than 1 metric ton (510 kgs.)





## Fisheries Statistics of the Philippines 2001-2003

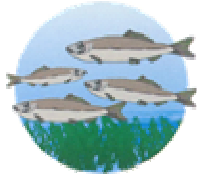
**Table 54. FISH MEAL: Volume and Value of Import by Kind and by Major Origin, Philippines, 2001 - 2003**

KIND/MAJOR ORIGIN	2001	2002	2003
<b>VOLUME (MT)</b>			
1. Fish meal and pellets of <b>fish</b> unfit for human consumption			
Peru	69,113	23,620	18,345
Chile	4,926	3,820	3,692
Taiwan	1,418	1,194	701
U S A	3,832	20,903	13,450
Thailand	920	7,801	680
Argentina	353		1,146
Australia	397	940	548
Denmark	427	349	238
Malaysia	200	3,274	418
China, People's Rep.		974	126
New Zealand		616	464
Seychelles Republic		746	713
South Africa		220	360
Vietnam		4,590	1,100
2. Fish meal and pellets of <b>crustaceans</b> unfit for human consumption			
Chile	307		237
Taiwan	310	50	141
Korea	105		69
Netherlands	101		14
New Zealand	46	101	
Peru	164	183	159
Thailand	60	96	
U S A	261	260	498
Malaysia		113	4
Vietnam		74	
Australia			40
Canada			25
Ecuador			35
South Africa			140



**Table 54. FISH MEAL: Volume and Value of Import by Kind and by Major Origin, Philippines, 2001 - 2003 (Cont'n.)**

KIND/MAJOR ORIGIN	2001	2002	2003
<b>VALUE ( '000P)</b>			
1. Fish meal and pellets of <b>fish</b> unfit for human consumption			
Peru	1,211,165	588,673	459,426
Chile	138,022	133,885	118,145
Taiwan	41,020	33,249	18,688
U S A	71,418	440,753	274,399
Thailand	18,346	202,925	18,392
Argentina	8,591		33,185
Australia	5,358	20,001	12,282
Denmark	13,310	13,786	10,401
Malaysia	2,232	67,533	9,425
China, People's Rep.		13,009	3,104
New Zealand		17,336	10,146
Seychelles Republic		20,060	16,738
South Africa		5,750	9,872
Vietnam		108,698	21,516
2. Fish meal and pellets of <b>crustaceans</b> unfit for human consumption			
Chile	8,432		7,880
Taiwan	8,048	714	3,340
Korea	2,620		1,792
Netherlands	3,452		1,142
New Zealand	683	1,581	
Peru	4,422	5,602	2,660
Thailand	1,349	1,109	
U S A	5,772	5,400	11,207
Malaysia		2,627	71
Vietnam		1,358	
Australia			884
Canada			423
Ecuador			1,050
South Africa			4,226



## Fisheries Statistics of the Philippines 2001-2003

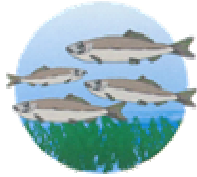
**Table 55. TUNA: Volume and Value of Import by Kind and by Major Origin, Philippines, 2001 - 2003**

KIND/MAJOR ORIGIN	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>1. Fresh, Chilled/Frozen</b>			
Indonesia	7,015	4,729	27,154
Marshall Islands	4,820	3,965	3,000
Taiwan	2,248	3,834	5,126
Papua New Guinea	1,795	3,640	4,000
Japan	1,782	6,211	2,764
Trust Territory	840		
Malaysia	10		
Korea	1	2,438	
Guam		1,976	
Portugal		1,500	
Micronesia		1,000	2,990
Singapore		121	3,811
Solomon Island			2,770
<b>2. Smoked, Salted not Dried</b>			
Taiwan	19		
United Kingdom		21	
Netherlands			19
Singapore			11
<b>3. Prepared/Preserved in Airtight Containers</b>			
Singapore	101	6	9
Canada	55		
Taiwan	26	250	
U S A	9	4	1
Spain	2	1	1
Japan	2		
Indonesia		2	
Korea		2	7
Thailand			4



**Table 55. TUNA: Volume and Value of Import by Kind and by Major Origin, Philippines, 2001 - 2003 (Cont'n.)**

KIND/MAJOR ORIGIN	2001	2002	2003
<b>VALUE ( '000P)</b>			
<b>1. Fresh, Chilled/Frozen</b>			
Indonesia	178,423	148,470	843,763
Marshall Islands	102,605	125,255	94,771
Taiwan	64,119	117,713	168,855
Papua New Guinea	14,283	114,997	126,361
Japan	33,130	197,003	87,248
Trust Territory	25,399		
Malaysia	302		
Korea	17	27,003	
Guam		62,422	
Portugal		47,385	
Micronesia		31,590	94,455
Singapore		4,024	120,397
Solomon Island			87,505
<b>2. Smoked, Salted not Dried</b>			
Taiwan	593		
United Kingdom		912	
Netherlands			621
Singapore			1,335
<b>3. Prepared/Preserved in Airtight Containers</b>			
Singapore	7,780	631	800
Canada	600		
Taiwan	1,653	5,519	
U S A	307	236	88
Spain	188	93	302
Japan	66		
Indonesia		436	
Korea		55	321
Thailand			328



## Fisheries Statistics of the Philippines 2001-2003

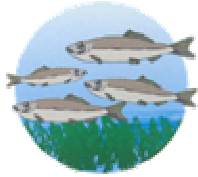
**Table 56. SARDINES: Volume and Value of Import by Kind and by Major Origin, Philippines, 2001 - 2003**

KIND/MAJOR ORIGIN	2001	2002	2003
<b>VOLUME (MT)</b>			
<b>1. Frozen</b>			
Canary Island	8,045	30,455	
Mexico	410	2,753	1,336
U S A	188	597	1,820
Spain	15,218		
China, People's Rep. of	52		
Taiwan	45		
Korea	46		
Mauritania		14,949	4,276
Morocco		7,240	
United Kingdom		159	
<b>2. Prepared/Preserved in Airtight Containers</b>			
Singapore	60	24	19
U S A	2	20	85
Peru	134	40	
Portugal	18	15	
Taiwan	24		
Morocco	16		
China, People's Rep. of		87	2
Netherlands		19	
Vietnam		31	
Panama			27
<b>VALUE ('000 P)</b>			
<b>1. Frozen</b>			
Canary Island	94,464	465,008	
Mexico	5,740	39,382	18,228
U S A	5,532	9,924	35,487
Spain	177,428		
China, People's Rep. of	666		
Taiwan	120		
Korea	807		
Mauritania		228,256	57,628
Morocco		110,544	
United Kingdom		2,421	
<b>2. Prepared/Preserved in Airtight Containers</b>			
Singapore	2,865	1,452	1,306
U S A	349	1,880	2,894
Peru	7,527	2,323	
Portugal	496	502	
Taiwan	746		
Morocco	1,592		
China, People's Rep. of		2,879	32
Netherlands		2,827	
Vietnam		426	
Panama			2,782



Table 57. MACKEREL: Volume and Value of Import by Kind and by Major Origin, Philippines, 2001 - 2003

KIND/MAJOR ORIGIN	2001	2002	2003
<b>VOLUME</b>			
<b>1. Frozen</b>			
China, People's Rep. of	3,841	10,340	6,176
Mexico	3,475	4,601	3,369
Taiwan	5,379	3,433	5,022
Korea	5,312	3,839	318
New Zealand	2,831	1,644	1,162
Hong Kong	517	151	
U S A	868	925	850
Netherlands	288	255	
Japan	228	26	373
Australia	14	24	609
Singapore	15	638	62
Belgium		125	7
Canary Island		1,064	
Germany		22	75
Morocco		92	
Pakistan		25	156
United Arab Emirates		78	
Canada			78
Mauritania			50
<b>2. Dried, Salted/in Brine</b>			
U S A			8
<b>3. Prepared/Preserved in Airtight Containers</b>			
China, People's Rep. of		24	
<b>VALUE ('000 P)</b>			
<b>1. Frozen</b>			
China, People's Rep. of	53,600	142,101	81,988
Mexico	46,739	68,367	54,236
Taiwan	91,670	50,664	71,195
Korea	75,385	55,095	4,020
New Zealand	59,135	46,379	24,341
Hong Kong	5,768	1,675	
U S A	11,783	13,465	10,337
Netherlands	3,002	3,807	
Japan	3,299	328	4,562
Australia	351	277	9,149
Singapore	230	10,624	1,818
Belgium		1,974	154
Canary Island		19,051	
Germany		876	1,185
Morocco		1,644	
Pakistan		399	3,373
United Arab Emirates		1,163	
Canada			876
Mauritania			896
<b>2. Dried, Salted/in Brine</b>			
U S A			1,946
<b>3. Prepared/Preserved in Airtight Containers</b>			
China, People's Rep. of		1,075	



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