

FOREWORD

This issue of the **Fisheries Statistics of the Philippines, 1997 – 2001** contains five-year data series on fish production and value, 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 are also disaggregated by region. Information on exports and imports of fish and fishery products include fish and fish preparations (fresh, chilled or frozen, dried, salted or in brine, prepared or preserved fish, crustaceans and mollusks), shells and by-products, and miscellaneous fishery products and by-products.

This handbook was designed to provide relevant fisheries data required by policy makers, producers, traders and other end-users for sound planning and development.

Production data were generated by the Bureau of Agricultural Statistics (BAS) while secondary data on foreign trade were obtained from the National Statistics Office (NSO).

This handbook was prepared by the Fisheries Statistics Division of the Bureau of Agricultural Statistics of the Department of Agriculture.



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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 while aquaculture production surveys are conducted semestraly in major fish producing provinces. Non-probability sample surveys are also conducted quarterly in the three (3) subsectors in minor producing provinces and inland municipal fisheries in all provinces.

The commercial and municipal fishery surveys aim to provide quarterly statistics primarily on fish production and value. Estimates on volume of production and value are computed quarterly.

The aquaculture surveys are geared towards providing quarterly statistics mainly on production and value of cultured species by environment or type of aqua farm and by province and region.

Scope and Coverage

Fishery production statistics for commercial and municipal fisheries were generated for 52 and 63 provinces, respectively while aquaculture fishery statistics were generated for 78 provinces/cities.

Sampling Frames

The statistical frames for the surveys of commercial/municipal fisheries were the 1995 lists of landing centers by province nationwide which were last updated in 2000. The design used was 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 were stratified based on volume of fish landed.

For inland fisheries, the list of fishing households is stratified by fishing ground such as lakes, rivers and dams. The new frame was updated in 2001.

In 1997, the 1992 lists of brackishwater fishponds freshwater fishponds, freshwater fishpens/fishcages, marine fishpens/fishcages, oyster/mussel and seaweed farms were updated. These served as the sampling frame for the conduct of semestral aquaculture surveys from 1998-2000. The aquafarms were stratified according to management system and system of culture. Simple random sampling was employed in the selection of sample aquafarms from each stratum. The respondents of the survey were either aquafarm operators, technicians or any knowledgeable household member.

Sample Sizes

In 1993, the highest national sample size for Municipal Fishery Survey was 737 landing centers (lcs) or 9.6 percent of the total lcs (7,716) while 146 landing centers or 29 percent of 496 lcs were sampled for Commercial Fishery Survey. For the Aquaculture Production Survey the national sample size was 9,245 aquafarms or 15 percent of the total 61,203 aquafarms.

For inland fish producing provinces, about 2,123 fishing households were interviewed in 1997 out of the 34,000 inland fishing households listed nationwide.

In 2001, a total of 68 commercial fish landing centers (out of 436 nationwide) and 217 municipal fish landing centers (out of 8003 nationwide) were surveyed. For Aquaculture, 1,697 aquafarms were interviewed out of about 50,923 aquafarms.

Since 1995 to date, estimates have been generated based on surveys with reduced sample sizes and/or monitoring activities with key informants as respondents due to insufficiency and delay in the release of funds. The results of the probability and non-probability surveys were the bases in generating fishery statistics for the province.

Method of Enumeration

Probability Surveys – In each BAS Provincial Operation Center (POC), Contractual Data Collectors (CDCs) were hired to collect data. For commercial and municipal fishery surveys, data collection were conducted by CDCs at the sample fish landing center every other day during the unloading time. Data on volume of catch, price per kilo and other related information were 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.) was used for enumeration.

For aquaculture survey, sample survey covering operations involving all forms of raising and culturing fish and other fishery species in marine, brackish and freshwater under controlled conditions was also conducted by hired CDCs using a structured form.

Prior to the conduct of a survey, the CDCs were trained on how to accomplish the survey instruments and the general mechanics of the survey. The CDCs were supervised by regular POC staff during the survey operation.

Non-probability sample survey – Non-probability sample or monitoring surveys using reduced sample size and lesser survey questions were conducted due to delayed release of and/or very limited funds. Data gathering was conducted by regular field staff using a separate form prepared at the Central Office.

Data Review

Data review is being conducted quarterly to ascertain the accuracy of the data gathered from surveys and monitoring activities. The data review process starts at the Provincial Operation Center, then at the Regional Operating Center and finally a review session at the national level. Data are generally reviewed in terms of levels and changes compared to previous data. Specific concerns are levels of estimates with reasons for increase and decrease in levels and presence of additional information like closure of farms or additional landing centers or boats that operated during the reference quarter.

Moreover, quarterly fishery production is included in the regular data review process of the Bureau at the provincial, regional and national levels. After the data validation, preliminary estimates are released to users.

Data Revision

Revised data are results of new information resulting 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.

Concepts and Terms Used

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.

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

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

Aquaculture Fishing – covers fishing operations involving all forms of raising and culturing fish and other fishery species in marine, brackish and freshwater environment. Examples are fishponds, fishpens, fishcages, mussel, oyster, seaweed farms and hatcheries.

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.

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

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

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

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

HIGHLIGHTS

- ❖ Total fish production continuously increased from 1997 to 2001. Growth rate was registered at 3.20 percent. The total fish produced grew by 5.79 percent from almost 3.0 million metric tons in 2000 to 3.2 million metric tons in 2001. Of the total fish production, aquaculture accounted for 38 percent while commercial and municipal fisheries contributed an equal share of 31 percent.
- ❖ An upsurge of 3.17 percent from 946,485 metric tons in 2000 to 976,539 metric tons in 2001 in commercial fisheries was noted. The abundance of migratory fishes, use of fish finders and the prevalent good weather that resulted in more frequent fishing operations contributed to the growth in the commercial sector.
- ❖ Similarly, the combined production of marine municipal and inland municipal fisheries reached 969,535 metric tons in 2001 or an equivalent of 2.49 percent increase over the previous year. The increment was realized since municipal fishermen improved their catch as a result of the increase in volume of unloadings of sardines, roundscad, big-eyed scads and other species from rehabilitated fish sanctuaries.
- ❖ The production from aquaculture registered a growth of 10.86 percent in 2001 compared with 2000. The major contributors to the hefty increase in aquaculture came from freshwater and brackishwater fishponds. The upsurge of 57.99 percent was attained from marine fish cages due to newly opened areas in Davao del Sur and Negros Occidental. On the other hand, operators from Bulacan produced more oysters in 2001 with the usage of productive spats that enabled them to harvest bigger sizes of oyster. Oyster culture in 2001 increased by 33.89 percent against 2000.

- ❖ Total milkfish production rose by 7.29 percent in 2001 over the 2000 production level. Bulacan was the top producer of milkfish over a span of five years whose share to the total production was 13.68 percent.
- ❖ Retail prices of selected fish species increased over the years. Likewise, the same trend was observed at the wholesale level except for milkfish and tilapia. Milkfish was sold at a wholesale price of P66.74 per kilogram in 2001 compared with P67.36 in 2000. Likewise, wholesale price of tilapia dropped from P46.75 in 2000 to P45.80 per kilogram in 2001.
- ❖ The top fishery exports were tuna, seaweeds, shrimps and prawns. The processed form of these fishery products were exported to Japan, U. S. A., United Kingdom, Korea, Hong Kong, Germany, South Africa, France and Denmark.
- ❖ The top imported fish product was fish meal which was sourced from Peru, Chile and U. S. A. Other imported fish products were sardines, mackerel, tuna, squid and cuttlefish.

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PART I. FISHERY RESOURCES

Table 1. Total Aquatic Resources, Philippines, 2001

RESOURCES	AREA
A. Marine Resources	
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. Inland Resources	
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.

Table 2. Ten Major Lakes of the Philippines, 2001

NAME OF LAKES	LOCATION	AREA (HA)
TOTAL		189,046
1. Laguna de Bay	Laguna and Rizal	89,076
2. Lake Lanao	Lanao del Sur	34,000
3. Taal Lake	Batangas	24,356
4. Lake Mainit	Surigao del Norte	
	Agusan	17,430
5. Naujan Lake	Oriental Mindoro	7,899
6. Lake Buluan	South Cotabato	6,134
7. Lake Bato	Camarines Sur	3,792
8. Lake Pagusi	Agusan	2,532
9. Lake Labas	South Cotabato	2,141
10. Lake Lumao	Agusan	1,686

Source: Lakes and Reservoirs, State of the Art Series, Report No. 1, PCARRD.

Table 3. Location of Major Fishing Grounds in the Philippines

FISHING GROUND	LOCATION
A. SEAS	
1. West Sulu Sea	Palawan
2. South Sulu Sea	Zamboanga del Sur/Sulu/Tawi-Tawi
3. East Sulu Sea	Zamboanga del Norte/Negros
4. Sibuyan Sea	Aklan/Masbate/Romblon
5. Bohol Sea	Bohol
6. Samar Sea	Samar/Masbate/Leyte
7. Visayan Sea	Panay/Negros/Cebu/Masbate
8. Camotes Sea	Cebu/Leyte/Bohol
B. BAYS	
1. Lamon Bay	Quezon/Camarines Norte
2. Tayabas Bay	Quezon
3. Illana Bay	Lanao del Sur/Maguindanao
4. Manila Bay	Manila/Bataan/Cavite
5. Sibugay Bay	Zamboanga del Sur
6. Iligan Bay	Misamis Occidental/Lanao del Norte
7. Imuruan Bay	Palawan
8. San Miguel Bay	Camarines Sur
9. Tawi-Tawi Bay	Tawi-Tawi
10. Butuan Bay	Agusan del Norte
C. GULFS	
1. Moro Gulf	Zamboanga del Sur/Maguindanao/Sultan Kudarat
2. Davao Gulf	Davao del Sur/Davao del Norte/Davao Oriental
3. Ragay Gulf	Camarines Sur/Quezon
4. Leyte Gulf	Leyte Island/Samar Island
5. Panay Gulf	Iloilo/Negros Occidental
6. Lingayen Gulf	Pangasinan
7. Lagonoy Gulf	Albay/Camarines Sur/Catanduanes
8. Asid Gulf	Masbate
9. Albay Gulf	Albay
D. CHANNELS	
1. Babuyan Channel	Cagayan/Babuyan Island
2. Jintotolo Channel	Capiz/Masbate
3. Maqueda Channel	Camarines Sur/Catanduanes
E. STRAITS	
1. Tablas Strait	Tablas Island/Mindoro Oriental
2. Mindoro Strait	Palawan/Mindoro Occidental
3. Tañon Strait	Cebu/Negros
4. Cebu Strait	Cebu/Bohol
5. Iloilo Strait	Iloilo/Guimaras
F. PASSAGES	
1. Burias Pass	Burias Island/Camarines Sur
2. Ticao Pass	Ticao Island/Sorsogon

PART II. FISH SUPPLY AND USE

Table 4. Fish Supply and Use, Philippines, 1997 - 2001

(Metric Tons)

ITEM	1997	1998	1999	2000	2001
TOTAL FISH SUPPLY	2,254,333	2,196,077	2,348,246	2,406,473	2,449,123
Production	2,136,264	2,144,184	2,227,660	2,286,293	2,380,735
Commercial	884,651	940,533	948,754	946,485	976,539
Municipal	924,466	591,146	926,339	945,945	969,535
Aquaculture*	327,147	312,505	352,567	393,863	434,661
Food Fish Import	118,069	51,893	120,586	120,180	68,388
TOTAL FISH USE	2,254,333	2,196,077	2,348,246	2,406,473	2,449,123
Apparent Food Use	1,894,210	1,837,612	1,984,944	2,034,235	2,088,499
Per Capita in Kg.	26.62	25.32	26.81	26.59	26.80
Exported Production	253,534	264,382	271,908	282,836	287,971
Non-food use	106,589	94,083	91,394	89,402	72,653
POPULATION	71,145,556	72,581,223	74,045,637	76,498,735	77,925,894

*Excluding seaweed.

PART III. FISH PRODUCTION AND
VALUE BY SECTOR AND BY REGION

Figure 1. Volume of Fish Production by Sector, Philippines, 1997 - 2001

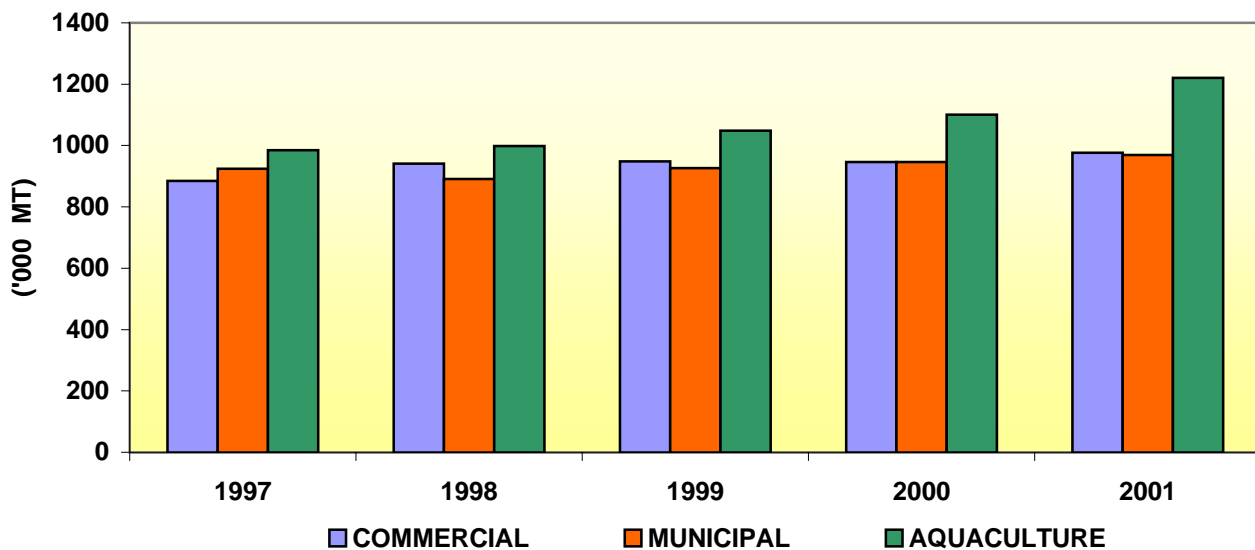


Figure 2. Value of Fish Production by Sector, Philippines, 1997 - 2001

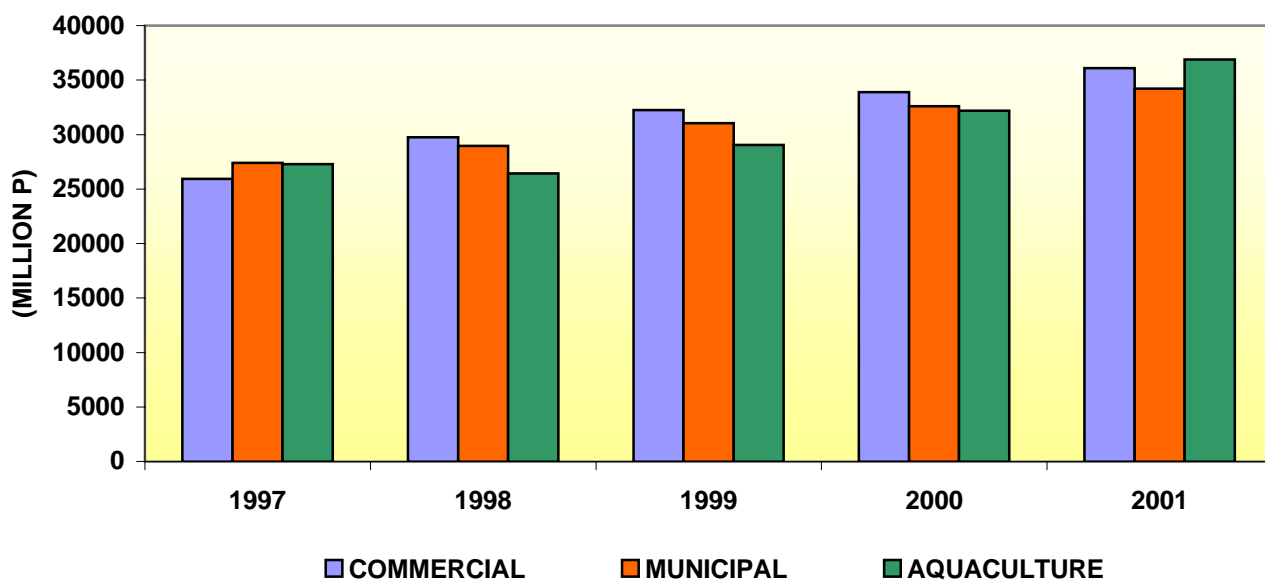


Figure 3. Percentage Contribution of Fishery Sectors to Total Production, Philippines, 1997

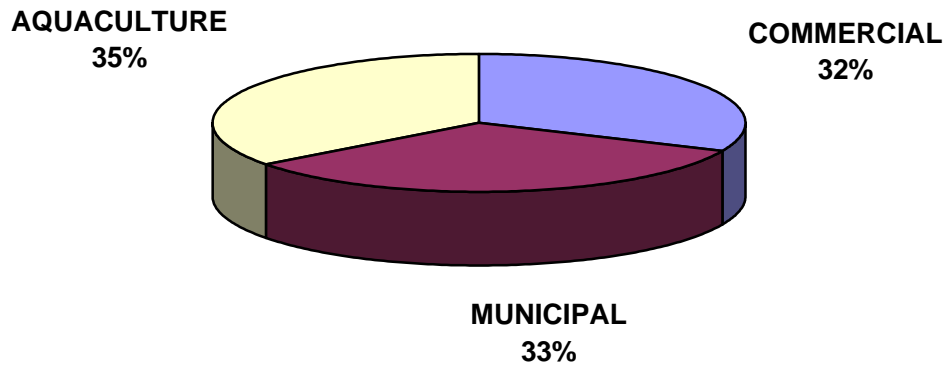


Figure 4. Percentage Contribution of Fishery Sectors to Total Production, Philippines, 2001

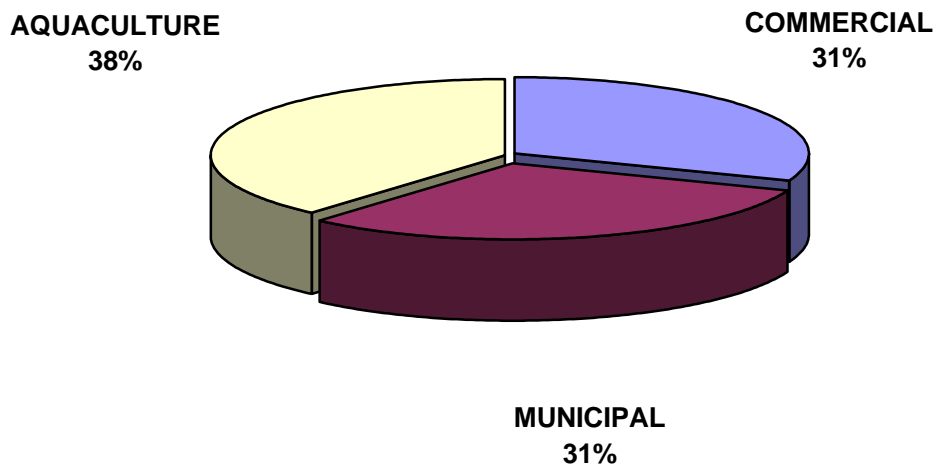


Table 5. Total Fish Production and Value by Sector, Philippines, 1997 - 2001

SECTOR	1997	1998	1999	2000	2001
QUANTITY (MT)					
ALL SECTORS	2,793,556.0	2,829,520.0	2,923,772.2	2,993,332.3	3,166,530.0
COMMERCIAL	884,651	940,533	948,754	946,485	976,539
MUNICIPAL	924,466	891,146	926,339	945,945	969,535
Marine	764,727	744,675	779,820	793,824	833,188
Inland	159,739	146,471	146,519	152,121	136,347
AQUACULTURE	984,439.0	997,841.0	1,048,679.2	1,100,902.3	1,220,456.0
Brackishwater Fishcage	-	-	240.0	2,485.0	2,943.0
Brackishwater Fishpen	-	-	-	3,241.0	3,909.0
Brackishwater Fishpond	195,669.0	188,952.0	207,512.0	235,729.0	261,268.0
Freshwater Fishcage	42,680.0	29,678.0	35,533.2	38,595.0	42,061.0
Freshwater Fishpen	19,952.0	21,856.0	30,103.0	27,529.0	23,927.0
Freshwater Fishpond	42,793.0	35,346.0	39,754.0	45,909.2	57,678.0
Marine Fishcage	321.0	2,727.0	2,918.0	2,900.1	4,582.0
Marine Fishpen	177.0	4,995.0	6,049.0	6,296.0	5,738.0
Oyster	13,897.0	13,418.0	14,804.0	14,222.0	19,042.0
Mussel	11,658.0	15,533.0	15,654.0	16,957.0	13,513.0
Seaweed	657,292.0	685,336.0	696,112.0	707,039.0	785,795.0
VALUE ('000 P)					
ALL SECTORS	80,617,090	85,133,055	92,322,324	98,657,631	107,193,786
COMMERCIAL	25,935,331	29,737,074	32,242,140	33,878,677	36,088,640
MUNICIPAL	27,392,911	28,966,456	31,034,130	32,595,564	34,221,731
Marine	25,235,558	26,634,610	28,830,648	29,975,760	31,314,181
Inland	2,157,353	2,331,846	2,203,482	2,619,804	2,907,550
AQUACULTURE	27,288,848	26,429,525	29,046,054	32,183,390	36,883,415
Brackishwater Fishcage	-	-	13,520.0	159,357	189,945
Brackishwater Fishpen	-	-	-	210,765	253,986
Brackishwater Fishpond	20,717,926	19,547,020	20,642,094	23,260,010	26,819,962
Freshwater Fishcage	1,898,478	1,554,871	1,727,257	1,815,570	2,054,620
Freshwater Fishpen	881,825	924,292	1,195,013	1,164,355	621,329
Freshwater Fishpond	2,064,519	1,823,550	2,023,530	2,240,979	2,762,353
Marine Fishcage	53,578	210,052	259,431	257,346	370,061
Marine Fishpen	27,452	313,405	456,045	484,714	384,578
Oyster	71,737	124,932	151,059	97,962	146,372
Mussel	44,113	66,299	101,153	114,137	100,562
Seaweed	1,529,220	1,865,104	2,476,952	2,378,195	3,179,647

Table 6. Total Fish Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	2,793,556.0	2,829,520.0	2,923,772.2	2,993,332.3	3,166,530.0
CAR	1,417.0	1,650.0	3,318.0	3,279.0	3,570.0
I	41,308.0	48,871.0	52,972.0	60,805.1	63,617.0
II	21,542.0	22,187.0	30,475.0	35,202.0	38,417.0
III	121,752.0	112,333.0	116,138.0	136,810.0	181,364.0
NCR	215,114.0	220,395.0	165,517.0	147,959.0	146,487.0
IV	607,184.0	588,866.0	613,107.0	643,315.0	619,858.0
V	119,352.0	113,282.0	111,947.0	115,065.0	150,514.0
VI	320,961.0	309,174.0	337,070.0	356,998.2	357,596.0
VII	153,970.0	152,332.0	159,243.0	164,545.0	191,531.0
VIII	73,707.0	72,312.0	76,200.0	78,728.0	91,318.0
IX	392,526.0	409,750.0	405,181.0	407,220.0	398,083.0
X	56,949.0	57,539.0	63,746.0	67,738.0	84,187.0
XI	41,996.0	41,141.0	44,481.2	45,170.0	49,180.0
XII	100,256.0	142,805.0	180,927.0	188,323.0	192,508.0
ARMM	455,893.0	468,790.0	482,907.0	453,912.0	505,096.0
CARAGA	69,629.0	68,093.0	80,543.0	88,263.0	93,204.0
VALUE ('000 P)					
PHILIPPINES	80,617,090	85,133,055	92,322,324	98,657,631	107,193,786
CAR	79,212	78,806	201,603	209,360	224,074
I	2,208,363	2,613,275	3,056,463	3,656,641	3,781,509
II	851,474	840,317	1,035,365	1,292,336	1,602,280
III	11,346,575	10,473,678	10,510,804	11,722,938	15,031,313
NCR	10,481,602	11,935,350	9,905,215	9,508,100	9,323,096
IV	14,093,460	16,035,917	17,723,661	18,262,397	17,838,222
V	3,760,439	3,525,758	4,148,047	4,183,401	5,005,254
VI	10,278,759	10,089,156	11,762,431	12,796,420	12,792,718
VII	3,928,677	4,005,358	4,076,489	4,307,279	5,094,829
VIII	2,350,604	2,437,905	2,735,697	2,838,357	3,337,243
IX	8,087,231	8,518,459	10,170,115	10,999,004	12,027,553
X	3,487,495	3,497,620	3,593,128	3,788,806	4,332,616
XI	1,568,922	1,525,385	1,652,479	1,733,842	1,952,718
XII	2,739,695	3,571,468	5,090,022	6,115,332	6,349,063
ARMM	2,798,646	3,377,683	3,987,908	4,157,445	5,153,806
CARAGA	2,555,936	2,606,920	2,672,897	3,085,973	3,347,492

Table 7. Commercial Fish Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	884,651	940,533	948,754	946,485	976,539
I	1,899	1,963	1,863	2,250	2,525
II	6,920	8,413	12,660	14,130	14,297
III	9,432	10,383	10,950	12,286	14,091
NCR	207,337	210,710	160,098	142,849	140,933
IV	109,723	118,526	145,143	134,849	128,408
V	25,708	23,883	22,364	21,732	32,585
VI	121,984	112,824	123,299	130,486	122,120
VII	60,599	62,446	62,547	64,109	61,361
VIII	29,465	28,733	30,688	32,497	36,169
IX	169,540	174,859	147,425	152,261	156,008
X	26,896	27,120	27,760	29,766	34,264
XI	8,981	10,732	11,174	9,762	11,355
XII	61,090	97,125	133,633	140,134	142,425
ARMM	40,952	48,147	54,438	54,549	75,224
CARAGA	4,125	4,669	4,712	4,825	4,774
VALUE ('000 P)					
PHILIPPINE	25,935,331	29,737,074	32,242,140	33,878,677	36,088,640
I	69,924	80,174	82,699	101,602	112,722
II	130,096	149,166	212,688	279,915	403,536
III	255,144	325,727	335,616	352,641	454,413
NCR	10,078,072	11,346,561	9,591,110	9,211,013	8,993,908
IV	3,643,658	4,077,326	5,520,888	5,800,944	5,735,698
V	529,274	590,402	637,180	669,502	951,732
VI	2,992,287	3,430,913	3,923,328	4,122,346	4,029,651
VII	1,214,219	1,392,206	1,509,486	1,586,847	2,300,152
VIII	687,294	764,132	828,503	879,150	1,096,707
IX	3,091,401	3,544,555	3,735,000	3,924,464	4,323,243
X	779,171	860,060	932,511	979,815	1,134,633
XI	256,684	325,827	364,367	348,744	418,679
XII	1,464,834	1,960,544	3,418,040	4,412,598	4,455,934
ARMM	596,209	723,413	971,811	1,021,108	1,477,381
CARAGA	147,064	166,068	178,913	187,988	200,251

Table 8. Municipal Fish Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	924,466	891,146	926,339	945,945	969,535
CAR	254	763	1,071	1,075	1,150
I	18,811	23,182	23,006	23,392	22,414
II	12,171	11,571	15,056	17,636	19,157
III	10,760	11,242	10,220	11,176	12,795
NCR	3,529	4,605	4,156	3,982	4,166
IV	266,418	255,912	259,580	257,835	241,882
V	73,373	72,968	72,393	73,805	87,478
VI	136,536	126,695	132,625	134,227	135,928
VII	44,881	41,257	45,323	47,482	44,736
VIII	37,282	36,026	37,639	37,915	42,270
IX	121,141	106,828	109,557	115,289	120,923
X	20,946	20,648	20,504	21,832	27,477
XI	26,615	24,068	26,537	26,838	27,927
XII	31,873	36,058	36,209	36,818	36,621
ARMM	57,622	59,070	68,169	70,044	76,570
CARAGA	62,254	60,253	64,294	66,599	68,041
VALUE ('000 P)					
PHILIPPINES	27,392,911	28,966,456	31,034,130	32,595,564	34,221,731
CAR	9,973	33,454	68,277	70,658	74,563
I	873,177	1,092,716	1,178,838	1,269,122	1,254,219
II	572,733	552,775	631,864	779,835	873,471
III	484,341	585,598	454,442	503,858	584,181
NCR	176,017	238,125	249,007	236,650	255,791
IV	6,491,807	7,461,461	7,586,000	7,729,849	7,507,135
V	2,448,773	2,377,712	2,660,757	2,738,590	3,226,941
VI	4,184,306	4,340,640	5,079,913	5,213,595	5,315,916
VII	1,411,258	1,337,741	1,400,165	1,500,092	1,434,161
VIII	1,496,054	1,507,849	1,718,297	1,760,718	1,976,398
IX	3,440,555	3,256,438	3,578,904	3,832,657	4,226,089
X	632,431	621,254	641,082	721,414	888,015
XI	961,691	900,712	959,469	992,375	1,038,687
XII	804,208	1,037,377	1,049,953	1,054,322	1,088,880
ARMM	1,389,552	1,597,921	1,714,667	1,906,124	2,160,758
CARAGA	2,016,035	2,024,683	2,062,495	2,285,705	2,316,526

Table 9. Marine Municipal Fish Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	764,727	744,675	779,820	793,824	833,188
I	17,731	22,461	22,482	22,844	21,583
II	7,409	8,622	11,776	13,809	14,176
III	6,765	7,458	8,213	8,867	9,893
NCR	3,529	4,605	4,156	3,982	4,166
IV	146,333	145,775	154,893	153,004	154,247
V	72,991	72,622	72,002	73,247	86,408
VI	134,248	125,620	131,191	132,838	134,247
VII	44,822	41,217	45,268	47,424	44,653
VIII	37,278	36,022	36,922	37,199	41,640
IX	120,885	106,642	109,300	114,980	120,574
X	19,769	19,606	19,634	20,953	26,616
XI	26,544	24,027	26,393	26,628	27,705
XII	25,290	24,100	23,519	22,751	23,528
ARMM	44,106	48,085	52,556	51,589	58,816
CARAGA	57,027	57,813	61,515	63,709	64,936
VALUE ('000 P)					
PHILIPPINES	25,235,558	26,634,610	28,830,648	29,975,760	31,314,181
I	806,310	1,042,245	1,141,258	1,225,939	1,192,374
II	314,630	379,611	443,254	532,329	541,503
III	300,362	345,779	348,822	382,420	421,384
NCR	176,017	238,125	249,007	236,650	255,791
IV	5,685,544	6,620,696	6,909,358	6,842,421	6,611,978
V	2,433,809	2,364,759	2,645,692	2,715,435	3,182,289
VI	4,100,780	4,296,381	5,017,314	5,141,322	5,216,124
VII	1,409,439	1,336,949	1,398,850	1,498,148	1,430,937
VIII	1,495,753	1,507,534	1,696,127	1,738,135	1,944,286
IX	3,435,092	3,251,124	3,571,648	3,822,777	4,215,587
X	577,652	585,042	597,661	679,145	846,674
XI	959,349	899,459	954,776	985,136	1,030,462
XII	635,837	627,800	664,013	694,191	742,963
ARMM	1,026,429	1,178,843	1,202,365	1,278,661	1,464,602
CARAGA	1,878,555	1,960,263	1,990,503	2,203,051	2,217,227

Table 10 . Inland Municipal Fish Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	159,739	146,471	146,519	152,121	136,347
CAR	254	763	1,071	1,075	1,150
I	1,080	721	524	548	831
II	4,762	2,949	3,280	3,827	4,981
III	3,995	3,784	2,007	2,309	2,902
IV	120,085	110,137	104,687	104,831	87,635
V	382	346	391	558	1,070
VI	2,288	1,075	1,434	1,389	1,681
VII	59	40	55	58	83
VIII	4	4	717	716	630
IX	256	186	257	309	349
X	1,177	1,042	870	879	861
XI	71	41	144	210	222
XII	6,583	11,958	12,690	14,067	13,093
ARMM	13,516	10,985	15,613	18,455	17,754
CARAGA	5,227	2,440	2,779	2,890	3,105
VALUE ('000 P)					
PHILIPPINES	2,157,353	2,331,846	2,203,482	2,619,804	2,907,550
CAR	9,973	33,454	68,277	70,658	74,563
I	66,867	50,471	37,580	43,183	61,845
II	258,103	173,164	188,610	247,506	331,968
III	183,979	239,819	105,620	121,438	162,797
IV	806,263	840,765	676,642	887,428	895,157
V	14,964	12,953	15,065	23,155	44,652
VI	83,526	44,259	62,599	72,273	99,792
VII	1,819	792	1,315	1,944	3,224
VIII	301	315	22,170	22,583	32,112
IX	5,463	5,314	7,256	9,880	10,502
X	54,779	36,212	43,421	42,269	41,341
XI	2,342	1,253	4,693	7,239	8,225
XII	168,371	409,577	385,940	360,131	345,917
ARMM	363,123	419,078	512,302	627,463	696,156
CARAGA	137,480	64,420	71,992	82,654	99,299

Table 11. Aquaculture Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	984,439.0	997,841.0	1,048,679.2	1,100,902.3	1,220,456.0
CAR	1,163.0	887.0	2,247.0	2,204.0	2,420.0
I	20,598.0	23,726.0	28,103.0	35,163.1	38,678.0
II	2,451.0	2,203.0	2,759.0	3,436.0	4,963.0
III	101,560.0	90,708.0	94,968.0	113,348.0	154,478.0
NCR	4,248.0	5,080.0	1,263.0	1,128.0	1,388.0
IV	231,043.0	214,428.0	208,384.0	250,631.0	249,568.0
V	20,271.0	16,431.0	17,190.0	19,528.0	30,451.0
VI	62,441.0	69,655.0	81,146.0	92,285.2	99,548.0
VII	48,490.0	48,629.0	51,373.0	52,954.0	85,434.0
VIII	6,960.0	7,553.0	7,873.0	8,316.0	12,879.0
IX	101,845.0	128,063.0	148,199.0	139,670.0	121,152.0
X	9,107.0	9,771.0	15,482.0	16,140.0	22,446.0
XI	6,400.0	6,341.0	6,770.2	8,570.0	9,898.0
XII	7,293.0	9,622.0	11,085.0	11,371.0	13,462.0
ARMM	357,319.0	361,573.0	360,300.0	329,319.0	353,302.0
CARAGA	3,250.0	3,171.0	11,537.0	16,839.0	20,389.0
VALUE ('000 P)					
PHILIPPINES	27,288,848	26,429,525	29,046,054	32,183,390	36,883,415
CAR	69,239	45,352	133,326	138,702	149,511
I	1,265,262	1,440,385	1,794,926	2,285,917	2,414,568
II	148,645	138,376	190,813	232,586	325,273
III	10,607,090	9,562,353	9,720,746	10,866,439	13,992,719
NCR	227,513	350,664	65,098	60,437	73,397
IV	3,957,995	4,497,130	4,616,773	4,731,604	4,595,389
V	782,392	557,644	850,110	775,309	826,581
VI	3,102,166	2,317,603	2,759,190	3,460,479	3,447,151
VII	1,303,200	1,275,411	1,166,838	1,220,340	1,360,516
VIII	167,256	165,924	188,897	198,489	264,138
IX	1,555,275	1,717,466	2,856,211	3,241,883	3,478,221
X	2,075,893	2,016,306	2,019,535	2,087,577	2,309,968
XI	350,547	298,846	328,643	392,723	495,352
XII	470,653	573,547	622,029	648,412	804,249
ARMM	812,885	1,056,349	1,301,430	1,230,213	1,515,667
CARAGA	392,837	416,169	431,489	612,280	830,715

Table 12. Top Fisheries Producing Provinces by Sector, Philippines, 1997 - 2001

SECTOR/PROVINCE	Average Annual Production (M.T.)	Percent Share	Cumulative % Share
A. COMMERCIAL	939,392	100.0	
1. Navotas (PFDA)	165,188	17.58	17.58
2. South Cotabato	111,611	11.88	29.47
3. Zamboanga City	109,239	11.63	41.09
4. Quezon	86,172	9.17	50.27
5. Iloilo	65,374	6.96	57.23
6. Cebu	48,719	5.19	62.41
7. Sulu	36,413	3.88	66.29
8. Negros Occidental	36,181	3.85	70.14
9. Zamboanga del Sur	27,770	2.96	73.10
10. Zamboanga del Norte	23,009	2.45	75.55
Other Provinces	229,716	24.45	100.00
B. MARINE MUNICIPAL	783,247	100.0	
1. Palawan	75,486	9.64	9.64
2. Zamboanga del Norte	57,872	7.39	17.03
3. Iloilo	52,834	6.75	23.77
4. Negros Occidental	52,789	6.74	30.51
5. Surigao del Norte	43,691	5.58	36.09
6. Zamboanga del Sur	39,271	5.01	41.10
7. Quezon	35,360	4.51	45.62
8. Masbate	24,883	3.18	48.80
9. Cebu	19,771	2.52	51.32
10. Batangas	18,962	2.42	53.74
Other Provinces	362,328	46.26	100.00
C. INLAND MUNICIPAL	148,239	100.0	
1. Rizal	81,990	55.31	55.31
2. Laguna	21,346	14.40	69.71
3. Sultan Kudarat	10,617	7.16	76.87
4. Maguindanao	9,025	6.09	82.96
5. Lanao del Sur	6,223	4.20	87.16
6. Cagayan	2,506	1.69	88.85
7. Pampanga	2,236	1.51	90.36
8. Surigao del Norte	1,401	0.95	91.30
9. Negros Occidental	1,399	0.94	92.24
10. Batangas	1,356	0.91	93.16
Other Provinces	10,140	6.84	100.00
D. AQUACULTURE	1,070,464	100.0	
1. Tawi-Tawi	176,360	16.48	16.48
2. Sulu	171,482	16.02	32.49
3. Palawan	143,828	13.44	45.93
4. Zamboanga City	85,063	7.95	53.88
5. Pampanga	55,676	5.20	59.08
6. Bohol	51,656	4.83	63.90
7. Bulacan	34,779	3.25	67.15
8. Zamboanga del Sur	34,052	3.18	70.33
9. Pangasinan	26,876	2.51	72.84
10. Rizal	24,702	2.31	75.15
Other Provinces	265,990	24.85	100.00

PART IV. AQUACULTURE PRODUCTION
AND VALUE BY TYPE OF AQUAFARM
BY REGION

Table 13. Brackishwater Fishpond Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	195,669.0	188,952.0	207,752.0 *	241,455.0 *	268,120.0 *
I	15,012.0	12,540.0	15,473.0	22,487.0 *	24,880.0
II	599.0	559.0	650.0	771.0 *	1,025.0
III	62,429.0	57,796.0	59,652.0	71,987.0	98,073.0
NCR	3,908.0	4,680.0	509.0	450.0	635.0
IV	13,553.0	19,077.0	15,536.0	15,484.0	17,224.0
V	2,685.0	2,564.0	3,970.0	3,850.0	3,862.0
VI	50,882.0	46,479.0	51,520.0	61,538.0	57,934.0
VII	11,385.0	9,157.0	8,704.0	8,413.0	8,279.0
VIII	1,527.0	1,597.0	1,691.0	1,812.0	1,967.0
IX	11,298.0	9,163.0	21,903.0	24,888.0	20,544.0
X	8,810.0	9,444.0	10,336.0	10,764.0	11,797.0
XI	5,158.0	4,788.0	5,256.0	5,897.0	7,332.0
XII	4,138.0	6,997.0	7,615.0	7,562.0	8,053.0
ARMM	1,710.0	1,586.0	2,475.0	2,419.0	2,635.0
CARAGA	2,575.0	2,525.0	2,462.0 *	3,133.0 *	3,880.0
VALUE ('000 P)					
PHILIPPINES	20,717,926	19,547,020	20,655,614 *	23,630,132 *	27,263,893 *
I	1,149,627	926,068	1,099,702	1,581,080 *	1,733,299
II	61,915	62,998	73,837	83,533 *	102,786
III	8,830,374	7,981,093	8,023,519	9,011,668	11,665,298
NCR	214,286	331,884	28,578	28,414	35,819
IV	1,243,908	1,856,319	1,411,814	1,346,402	1,528,326
V	336,305	281,950	606,262	552,171	520,269
VI	3,050,924	2,243,315	2,661,866	3,360,320	3,304,212
VII	1,139,414	1,087,881	896,811	1,005,320	846,542
VIII	143,681	135,075	147,004	155,665	192,247
IX	1,322,020	1,390,919	2,438,424	2,973,956	3,190,671
X	2,067,755	2,006,831	1,975,910	2,038,040	2,230,311
XI	290,643	239,777	275,092	307,299	399,191
XII	357,825	475,455	488,427	513,542	572,932
ARMM	132,871	131,903	188,270	199,187	245,892
CARAGA	376,378	395,552	340,098 *	473,535 *	696,098

* Includes data on brackishwater fishcage and fishpen.

Table 14. Freshwater Fishcage Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	42,680.0	29,678.0	35,533.2	38,595.0	42,061.0
CAR	849.0	705.0	1,792.0	1,734.0	1,907.0
I	1.0	4.0	7.0	7.0	9.0
II	530.0	497.0	458.0	779.0	1,483.0
III	90.0	93.0	60.0	59.0	59.0
NCR	162.0	157.0	134.0	56.0	77.0
IV	25,715.0	20,918.0	26,711.0	28,886.0	30,000.0
V	13,188.0	5,468.0	3,958.0	4,189.0	4,595.0
XI		a/	4.2	3.0	4.0
XII	2,132.0	1,825.0	2,386.0	2,841.0	3,876.0
ARMM	13.0	11.0	23.0	25.0	36.0
CARAGA				16.0	15.0
VALUE ('000 P)					
PHILIPPINES	1,898,478	1,554,871	1,727,257	1,815,570	2,054,620
CAR	48,413	33,432	103,539	107,854	115,001
I	45	302	475	459	625
II	18,145	21,988	23,307	39,831	80,406
III	4,411	4,485	3,375	3,245	2,890
NCR	6,350	6,230	6,103	2,400	2,347
IV	1,316,245	1,174,361	1,302,342	1,383,923	1,507,751
V	428,356	244,671	195,268	172,814	204,984
XI		8	183	188	228
XII	75,951	68,929	91,884	103,653	139,059
ARMM	562	465	781	735	805
CARAGA				468	524

a/ - Quantity less than 1.0 metric ton.

Table 15. Freshwater Fishpen Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	19,952.0	21,856.0	30,103.0	27,529.0	23,927.0
I	5.0				
III	21.0	6.0	12.0	28.0	27.0
NCR	177.0	243.0	620.0	622.0	676.0
IV	19,745.0	21,592.0	29,464.0	26,862.0	23,196.0
VIII		1.0			
XII		10.0			
ARMM	4.0	4.0	7.0	17.0	28.0
VALUE ('000 P)					
PHILIPPINES	881,825	924,292	1,195,013	1,164,355	621,329
I	661				
III	1,040	276	505	1,580	1,485
NCR	6,870	12,550	30,417	29,623	35,231
IV	873,088	910,811	1,163,855	1,132,733	584,017
VIII		44			
XII		450			
ARMM	166	161	236	419	596

Table 16. Freshwater Fishpond Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	42,793.0	35,346.0	39,754.0	45,909.2	57,678.0
CAR	314.0	182.0	455.0	470.0	513.0
I	1,831.0	1,520.0	1,555.0	1,635.0	2,503.0
II	1,222.0	907.0	1,511.0	1,726.0	2,215.0
III	36,444.0	30,306.0	33,317.0	38,282.0	48,058.0
IV	916.0	837.0	665.0	1,247.0	1,447.0
V	35.0	55.0	72.0	92.0	129.0
VI	174.0	100.0	179.0	263.2	290.0
VII	1.0	1.0	7.0	9.0	28.0
VIII	65.0	54.0	63.0	57.0	66.0
IX	62.0	66.0	61.0	65.0	87.0
X	240.0	289.0	481.0	559.0	582.0
XI	428.0	207.0	261.0	477.0	520.0
XII	1,023.0	790.0	1,049.0	952.0	1,111.0
ARMM	16.0	21.0	30.0	36.0	37.0
CARAGA	22.0	11.0	48.0	39.0	92.0
VALUE ('000 P)					
PHILIPPINES	2,064,519	1,823,550	2,023,530	2,240,979	2,762,353
CAR	20,826	11,920	29,787	30,848	34,510
I	89,928	79,897	89,323	93,613	130,954
II	68,485	53,150	93,389	108,902	141,027
III	1,752,806	1,567,823	1,676,041	1,826,275	2,243,390
IV	56,471	51,298	44,091	80,394	92,696
V	1,575	2,506	3,365	4,381	6,816
VI	10,304	5,753	10,996	15,626	15,882
VII	54	54	130	218	1,357
VIII	2,125	2,257	3,018	2,537	3,223
IX	1,686	1,535	1,659	1,994	3,232
X	7,640	8,660	20,845	26,508	28,295
XI	14,465	8,830	9,354	17,823	19,165
XII	36,877	28,713	38,960	29,721	37,445
ARMM	529	800	1,129	1,190	1,469
CARAGA	748	354	1,443	949	2,892

Table 17. Marine Fishcage Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	321.0	2,727.0	2,918.0	2,900.1	4,582.0
I	2.0	2,013.0	2,258.0	2,299.1	3,185.0
II					8.0
III	39.0	15.0	20.0		26.0
IV	a/	80.0	80.0	20.0	2.0
V			a/	2.0	42.0
VI	14.0	19.0	22.0	16.0	19.0
VII		a/	12.0	57.0	300.0
VIII	10.0	5.0	19.0	23.0	26.0
IX	32.0	8.0	18.0	62.0	52.0
X	a/	1.0	18.0	23.0	29.0
XI	208.0	561.0	393.0	348.0	444.0
XII			35.0	16.0	420.0
ARMM					1.0
CARAGA	16.0	25.0	43.0	34.0	28.0
VALUE ('000P)					
PHILIPPINES	53,578	210,052	259,431	257,346	370,061
I	725	130,065	163,791	169,889	211,952
II					525
III	2,925	1,025	1,100		1,565
IV	200	28,000	20,000	8,000	72
V			144	924	4,483
VI	4,500	3,349	4,441	3,890	5,188
VII		190	1,052	4,784	19,510
VIII	2,700	1,550	6,050	8,050	9,914
IX	4,520	1,780	7,175	11,535	10,448
X	200	460	1,940	1,433	1,978
XI	27,058	28,283	22,260	28,185	32,971
XII			2,758	1,496	54,680
ARMM					950
CARAGA	10,750	15,350	28,720	19,160	15,825

a/ Quantity less than 1.0 metric ton.

Table 18. Marine Fishpen Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	177.0	4,995.0	6,049.0	6,296.0	5,738.0
I	9.0	4,598.0	5,581.0	5,474.0	4,744.0
III	46.0	14.0	62.0	82.0	70.0
IV				11.0	22.0
VI		a/			45.0
VII		a/		2.0	47.0
IX	24.0	19.0	26.0	41.0	41.0
X		2.0	2.0	6.0	12.0
XI	96.0	356.0	368.0	634.0	721.0
XII					2.0
ARMM			a/	3.0	5.0
CARAGA	2.0	6.0	10.0	43.0	29.0
VALUE ('000P)					
PHILIPPINES	27,452	313,405	456,045	484,714	384,578
I	1,471	286,694	423,124	421,176	318,014
III	3,360	950	4,230	5,340	4,185
IV				1,000	2,146
VI		120			3,150
VII		64		335	3,144
IX	4,270	3,411	6,165	10,190	4,866
X		115	115	360	1,231
XI	16,451	20,186	18,674	33,556	40,164
XII					133
ARMM			549	2,663	2,535
CARAGA	1,900	1,865	3,188	10,094	5,010

a/ Quantity less than 1.0 metric ton.

Table 19. Oyster Culture Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	13,897.0	13,418.0	14,804.0	14,222.0	19,042.0
I	3,738.0	3,051.0	3,229.0	3,261.0	3,357.0
II	100.0	240.0	140.0	160.0	232.0
III	2,491.0	2,478.0	1,845.0	2,910.0	8,165.0
IV	4,096.0	4,452.0	5,143.0	2,737.0	1,722.0
V	57.0	44.0	32.0	37.0	35.0
VI	3,147.0	2,830.0	4,075.0	4,046.0	4,557.0
VII	63.0	48.0	70.0	127.0	133.0
IX	142.0	192.0	222.0	247.0	232.0
XI	51.0	73.0	48.0	697.0	609.0
CARAGA	12.0	10.0			
VALUE ('000P)					
PHILIPPINES	71,737	124,932	151,059	97,962	146,372
I	22,805	17,359	18,511	19,700	19,724
II	100	240	280	320	529
III	12,174	6,701	11,976	18,331	73,906
IV	21,000	89,095	106,282	41,938	32,675
V	301	146	122	104	150
VI	13,439	9,431	11,695	11,284	13,503
VII	465	516	821	1,579	1,749
IX	1,079	1,011	1,172	1,310	1,230
XI	284	358	200	3,396	2,906
CARAGA	90	75			

Table 20. Mussel Culture Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	11,658.0	15,533.0	15,654.0	16,957.0	13,513.0
NCR	1.0				
IV	2,021.0	4,430.0	5,100.0	6,628.0	4,322.0
V	1,072.0	980.0	693.0	611.0	710.0
VI	6,137.0	7,510.0	7,467.0	7,243.0	5,943.0
VII		29.0	1.0		
VIII	2,423.0	2,580.0	2,381.0	2,462.0	2,524.0
IX	4.0	4.0	12.0	13.0	14.0
VALUE ('000P)					
PHILIPPINES	44,113	66,299	101,153	114,137	100,562
NCR	7				
IV	17,751	39,702	71,792	77,872	63,189
V	7,002	3,369	4,090	8,136	11,037
VI	12,870	16,648	18,750	19,329	16,895
VII		260	10		
VIII	6,423	6,240	6,226	8,475	9,088
IX	60	80	285	325	353

Table 21. Seaweed Culture Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	657,292.0	685,336.0	696,112.0	707,039.0	785,795.0
IV	164,997.0	143,042.0	125,685.0	168,756.0	171,633.0
V	3,234.0	7,320.0	8,465.0	10,747.0	21,078.0
VI	2,087.0	12,717.0	17,883.0	19,179.0	30,760.0
VII	37,041.0	39,394.0	42,579.0	44,346.0	76,647.0
VIII	2,935.0	3,316.0	3,719.0	3,962.0	8,296.0
IX	90,283.0	118,611.0	125,957.0	114,354.0	100,182.0
X	57.0	35.0	4,645.0	4,788.0	10,026.0
XI	459.0	356.0	440.0	514.0	268.0
ARMM	355,576.0	359,951.0	357,765.0	326,819.0	350,560.0
CARAGA	623.0	594.0	8,974.0	13,574.0	16,345.0
VALUE ('000P)					
PHILIPPINES	1,529,220	1,865,104	2,476,952	2,378,195	3,179,647
IV	429,332	347,544	496,597	659,342	784,517
V	8,853	25,002	40,859	36,779	78,842
VI	10,129	38,987	51,442	50,030	88,321
VII	163,267	186,446	268,014	208,104	488,214
VIII	12,327	20,758	26,599	23,762	49,666
IX	221,640	318,730	401,331	242,573	267,421
X	298	240	20,725	21,236	48,153
XI	1,646	1,404	2,880	2,276	727
ARMM	678,757	923,020	1,110,465	1,026,019	1,263,420
CARAGA	2,971	2,973	58,040	108,074	110,366

PART V. FISH PRODUCTION
BY SPECIES

Figure 5. Percentage Contribution of Top Species to Total Marine Production, Philippines, 1997

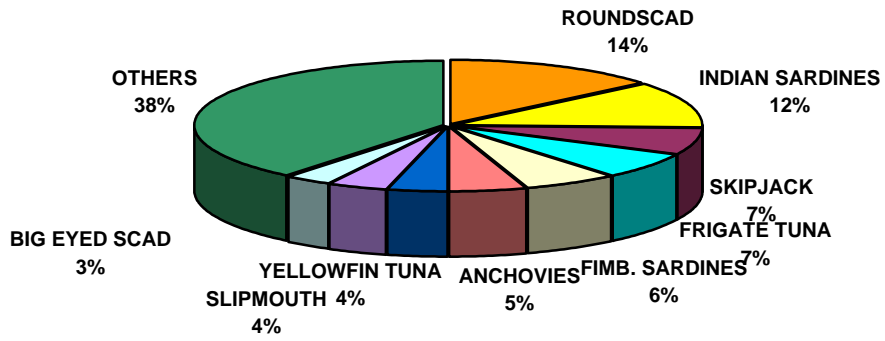


Figure 6. Percentage Contribution of Top Species to Total Marine Production, Philippines, 2001

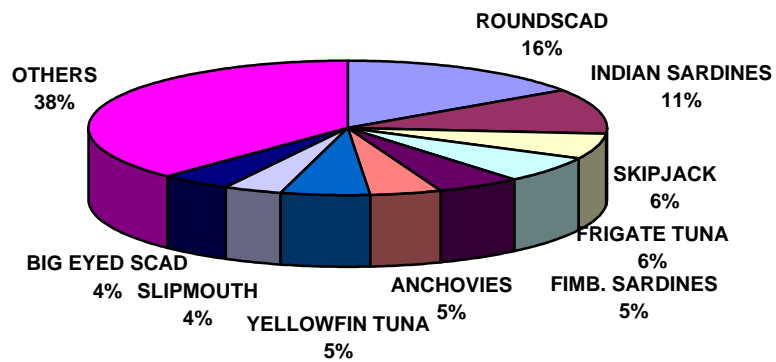


Figure 7. Percentage Contribution of Top Species to Total Inland Production, Philippines, 1997

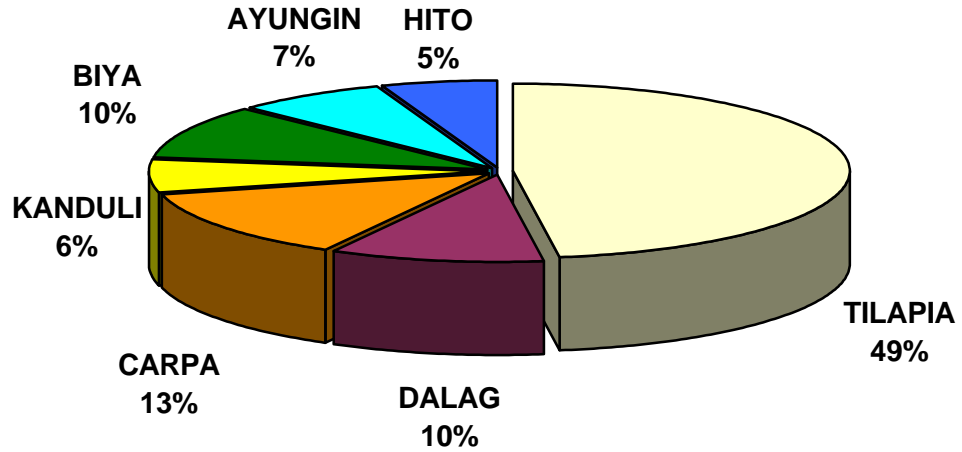


Figure 8. Percentage Contribution of Top Species to Total Inland Production, Philippines, 2001

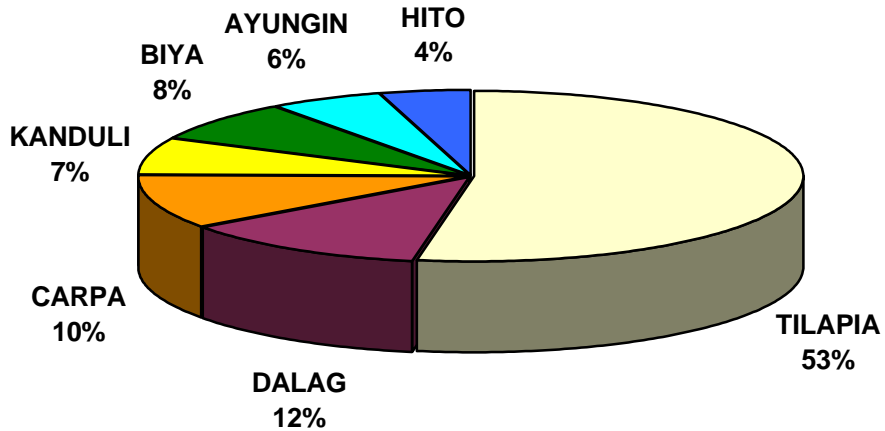


Figure 9. Percentage Contribution of Top Species to Total Aquaculture Production, Philippines, 1997

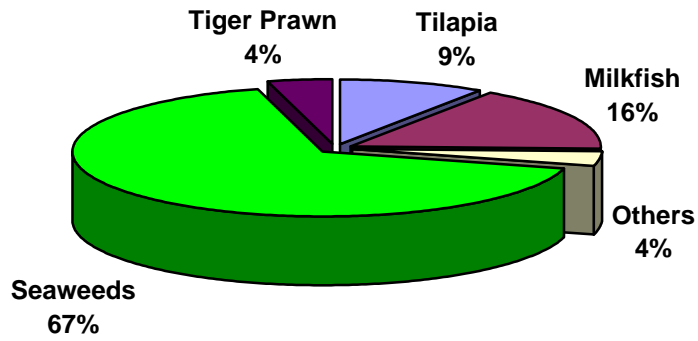


Figure 10. Percentage Contribution of Top Species to Total Aquaculture Production, Philippines, 2001

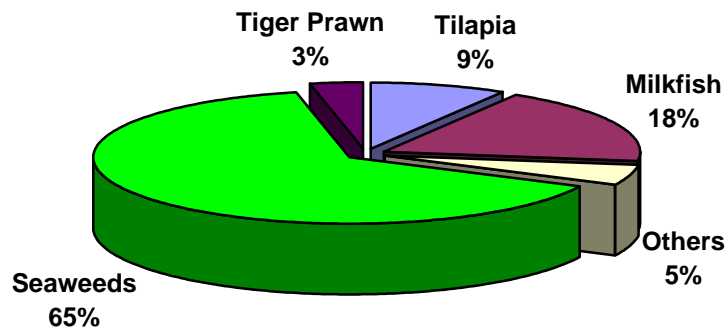


Figure 11. Percentage Contribution of Top Species to Total Value of Aquaculture, Philippines, 1997

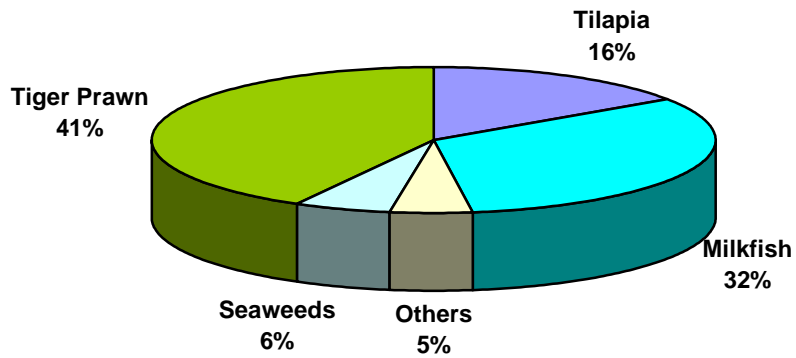


Figure 12. Percentage Contribution of Top Species to Total Value of Aquaculture, Philippines, 2001

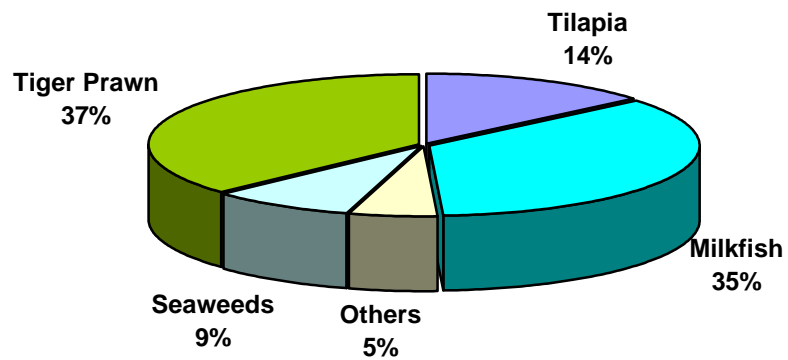


Table 22. Commercial Fish Production of Top 30 Species, Philippines, 1997 - 2001**(Metric Tons)**

SPECIES	1997	1998	1999	2000	2001 P
ALL SPECIES	884,651	940,533	948,754	946,485	976,539
TOTAL 30 SPECIES	824,583	878,780	883,782	889,523	914,225
% Share of 30 Species	0.93	0.93	0.93	0.94	0.94
1. Roundscad (Galunggong)	196,588	216,821	219,519	225,861	250,679
2. Indian sardines (Tamban)	153,523	158,030	143,228	163,066	153,741
3. Skipjack (Gulyasan)	85,359	88,686	79,434	83,376	80,766
4. Frigate tuna (Tulingan)	56,595	60,313	60,702	59,737	60,032
5. Fimbriated sardines (Tunsoy)	58,610	58,437	54,559	49,473	50,935
6. Yellowfin tuna (Tambakol)	30,955	39,030	46,356	45,071	49,055
7. Anchovies (Dilis)	35,518	36,550	38,039	38,348	39,191
8. Slipmouth (Sapsap)	35,410	35,912	41,137	40,015	38,722
9. Big-eyed scad (Matang-baka)	25,402	27,731	29,082	31,760	36,596
10. Indian mackerel (Alumahan)	25,765	27,220	28,364	29,866	31,804
11. Eastern little tuna (Katchorita)	18,507	17,911	18,328	21,019	20,634
12. Indo-pacific mackerel (Hasa-l)	12,661	13,075	13,992	14,640	15,605
13. Squid (Pusit)	12,948	13,277	14,584	14,522	14,177
14. Crevalle (Salay-salay)	10,836	10,513	11,401	11,661	11,128
15. Round herring (Tulis)	13,788	17,589	21,254	10,437	10,785
16. Acetes (Alamang)	5,629	6,033	7,828	9,072	9,031
17. Flying fish (Bolador)	7,806	11,128	14,324	6,949	7,060
18. Threadfin bream (Bisugo)	7,287	7,018	7,230	7,238	6,931
19. Caesio (Dalagang-bukid)	7,937	8,434	7,370	5,753	6,047
20. Goatfish (Saramulyete)	5,551	5,758	6,144	6,081	5,992
21. Cavalla (Talakitok)	3,074	3,256	3,378	2,781	3,098
22. Hairtail (Balila)	3,610	3,778	4,245	2,878	2,640
23. Mullet (Kapak, Banak)	2,145	2,234	2,319	2,080	1,992
24. Spanish mackerel (Tanigue)	1,901	2,016	2,047	1,674	1,735
25. Grouper (Lapu-lapu)	1,863	2,310	2,883	1,641	1,746
26. Snapper (Maya-maya)	1,339	1,688	2,085	1,161	1,202
27. Siganid (Samaral)	1,556	1,604	1,614	1,257	1,194
28. Blue crab (Alimasag)	1,572	1,568	1,547	1,442	1,053
29. Parrot fish (Loro)	559	572	492	410	395
30. Porgies (Pargo)	289	288	297	254	259
31. Other Species	60,068	61,753	64,972	56,962	62,314

P - Preliminary

Table 23. Marine Municipal Fish Production of Top 30 Species, Philippines, 1997 - 2001**(Metric Tons)**

SPECIES	1997	1998	1999	2000	2001 P
ALL SPECIES	764,727	744,675	779,820	793,824	833,188
TOTAL 30 SPECIES	622,693	600,443	630,736	647,688	680,080
% Share of 30 Species	0.81	0.81	0.81	0.82	0.82
1. Frigate tuna (Tulingan)	51,899	46,120	50,599	52,490	55,873
2. Yellowfin tuna (Tambakol)	36,387	40,185	43,997	45,257	47,395
3. Fimbriated sardines (Tunsoy)	45,978	44,284	40,072	43,380	44,336
4. Anchovies (Dilis)	43,160	40,499	40,048	41,282	42,921
5. Big-eyed scad (Matang-baka)	28,765	34,267	36,694	39,605	42,711
6. Indian sardines (Tamban)	38,639	36,029	36,023	37,451	39,916
7. Blue crab (Alimasag)	28,786	22,351	32,529	34,861	35,920
8. Squid (Pusit)	41,207	35,401	32,531	32,256	33,677
9. Roundscad (Galunggong)	32,290	28,322	28,943	30,115	32,108
10. Skipjack (Gulyasan)	24,738	27,987	29,344	29,635	31,472
11. Flying fish (Bolador)	19,995	25,007	29,137	29,101	30,438
12. Slipmouth (Sapsap)	25,844	23,949	27,234	27,240	28,168
13. Indian mackerel (Alumahan)	27,418	22,938	23,356	23,851	25,676
14. Threadfin bream (Bisugo)	22,552	23,491	22,071	22,249	22,939
15. Siganid (Samaral)	14,164	16,642	18,363	18,851	19,420
16. Snapper (Maya-maya)	17,039	13,753	17,107	17,993	18,401
17. Cavalla (Talakitok)	12,301	11,379	12,498	12,486	13,381
18. Mullet (Kapak, Banak)	11,219	11,357	12,488	12,103	12,958
19. Indo-pacific mackerel (Hasa-	10,317	10,275	11,721	12,131	12,684
20. Parrot fish (Loro)	14,548	12,817	11,826	11,974	12,650
21. Grouper (Lapu-lapu)	10,334	10,849	10,792	10,851	11,539
22. Acetes (Alamang)	7,329	8,242	8,901	8,488	8,896
23. Goatfish (Saramulyete)	10,333	8,424	8,383	8,637	8,883
24. Crevalle (Salay-salay)	5,964	6,324	7,927	7,785	8,282
25. Caesio (Dalagang-bukid)	8,817	7,494	7,582	7,763	8,039
26. Porgies (Pargo)	8,038	7,639	7,458	7,375	7,878
27. Spanish mackerel (Tanigue)	9,336	8,756	7,090	7,215	7,517
28. Eastern little tuna (Katchorit)	8,066	6,513	7,078	6,944	7,256
29. Hairtail (Balila)	5,802	6,099	6,118	5,763	6,157
30. Round herring (Tulis)	1,428	3,050	2,826	2,556	2,589
31. Other Species	142,034	144,232	149,084	146,139	153,108

P - Preliminary

Table 24. Inland Municipal Fish Production by Species, Philippines, 1997 - 2001

(Metric Tons)

SPECIES	1997	1998	1999	2000	2001
TOTAL	159,739	146,471	146,519	152,121	136,347
FISH	52,929	53,762	55,013	62,086	62,163
Bangus	34	3,000	83	163	201
Tilapia	20,935	23,477	25,278	28,874	28,881
Carpa	5,717	6,453	4,677	5,032	5,562
Ayungin	3,235	2,958	2,994	3,237	3,070
Biya	4,300	3,803	4,027	4,563	4,280
Kanduli	2,701	3,207	3,785	4,046	3,868
Dalag	4,547	4,856	5,789	6,386	6,698
Hito	2,396	1,628	2,058	2,200	2,366
Gourami	2,065	1,628	2,619	3,736	3,536
Martiniko	1,401	1,084	1,996	2,147	1,970
Kapak	1,675	474	853	768	667
Dulong	324	332	93	286	246
Tawilis	2,234	346	562	339	431
Igat	116	73	114	193	201
Ludong	29	139	20	10	17
Kitang	95	20	40	61	55
Buan-buan	11	3	2	14	22
Other Species	1,114	281	23	31	92
CRUSTACEANS	4,969	2,555	4,247	4,460	5,226
Hipon	3,481	1,381	3,608	3,624	3,967
Ulang	514	397	200	252	262
Hipon puti	292	422	169	232	328
Suahe	94	45	116	136	174
Talangka	31	198	105	141	270
Alimango	267	42	46	67	150
Alimasag	34	32	1	5	67
Other Species	256	38	2	3	8
MOLLUSCS	101,841	90,154	87,259	85,575	68,958
Tulya	411	10	3	34	251
Kabibi	49	18	10	15	53
Kuhol		131	1	66	102
Talaba	51				
Suso	101,330	89,995	87,245	85,460	68,552

Table 25. Brackishwater Fishpond Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	195,669.0	188,952.0	207,752.0	241,455.0	268,120.0
Milkfish (Bangus)	144,076.0	141,131.0	155,833.0	186,599.0	211,594.0
Tiger prawn (Sugpo)	40,079.0	36,854.0	37,906.0	40,459.0	40,698.0
Tilapia	5,942.0	5,949.0	7,828.0	8,091.0	9,499.0
White shrimp (Hipong puti)	687.0	741.0	1,038.0	1,014.0	1,276.0
Mud crab (Alimango)	3,710.0	3,996.0	4,802.0	4,945.0	4,585.0
Endeavor prawn (Suahe)	665.0	258.0	337.0	329.0	416.0
Grouper (Lapu-lapu)	496.0	20.0	6.0	16.0	39.0
Siganid (Samaral)	2.0	3.0	2.0	2.0	13.0
Grunt	12.0				
VALUE ('000P)					
PHILIPPINES	20,717,926	19,547,020	20,655,614	23,630,132	27,263,893
Milkfish (Bangus)	8,053,503	7,465,377	8,374,412	10,418,701	12,173,152
Tiger prawn (Sugpo)	11,426,729	11,006,867	10,860,177	11,791,303	13,599,984
Tilapia	295,803	274,693	354,722	361,314	437,707
White shrimp (Hipong puti)	52,064	71,093	86,571	80,324	120,464
Mud crab (Alimango)	644,112	688,769	925,517	923,636	849,266
Endeavor prawn (Suahe)	100,862	33,425	52,177	50,748	69,120
Grouper (Lapu-lapu)	143,838	6,140	1,575	3,653	11,945
Siganid (Samaral)	295	656	463	453	2,255
Grunt	720				

* Includes data on brackishwater fishcage and fishpen.

Table 26. Freshwater Fishcage Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	42,680.0	29,678.0	35,533.2	38,595.0	42,061.0
Milkfish (Bangus)		53.0	253.0	918.0	951.0
Tilapia	42,615.0	29,544.0	35,207.2	37,622.0	40,779.0
Carp (Carpa)	64.0	81.0	72.0	55.0	331.0
Other Species	1.0		1.0		
VALUE ('000 P)					
PHILIPPINES	1,898,478	1,554,871	1,727,257	1,815,570	2,054,620
Milkfish (Bangus)		2,680	10,600	43,933	48,828
Tilapia	1,896,955	1,549,105	1,714,467	1,770,012	1,999,186
Carp (Carpa)	1,457	3,086	2,130	1,625	6,606
Other Species	66		60		

Table 27. Freshwater Fishpen Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	19,952.0	21,856.0	30,103.0	27,529.0	23,927.0
Milkfish (Bangus)	14,168.0	13,729.0	15,973.0	13,605.0	2,835.0
Tilapia	4,272.0	3,748.0	4,059.0	3,688.0	2,147.0
Carp (Carpa)	1,510.0	4,379.0	10,071.0	10,236.0	18,945.0
Other Species	2.0				
VALUE ('000 P)					
PHILIPPINES	881,825	924,292	1,195,013	1,164,355	621,329
Milkfish (Bangus)	697,239	676,000	814,269	732,608	123,607
Tilapia	160,903	157,292	169,829	172,422	114,472
Carp (Carpa)	23,233	91,000	210,915	259,325	383,250
Other Species	450				

Table 28. Freshwater Fishpond Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	42,793.0	35,346.0	39,754.0	45,909.2	57,678.0
Milkfish (Bangus)	7.0		20.0		16.0
Tilapia	39,005.0	32,780.0	36,705.0	43,174.0	54,312.0
Carp (Carpa)	291.0	295.0	431.0	391.0	292.0
Mudfish (Dalag)	2,144.0	1,343.0	1,352.0	1,290.2	1,439.0
Catfish (Hito)	1,052.0	743.0	1,112.0	935.0	1,523.0
Gourami	132.0	43.0	94.0	84.0	44.0
Other Species	162.0	142.0	40.0	35.0	52.0
VALUE ('000 P)					
PHILIPPINES	2,064,519	1,823,550	2,023,530	2,240,979	2,762,353
Milkfish (Bangus)	460		1,100		975
Tilapia	1,906,593	1,682,955	1,854,587	2,083,720	2,582,005
Carp (Carpa)	12,137	13,812	20,344	19,351	15,127
Mudfish (Dalag)	91,567	83,221	82,462	79,130	87,907
Catfish (Hito)	45,833	37,620	60,313	54,790	73,630
Gourami	3,196	1,356	3,258	2,515	1,030
Other Species	4,733	4,586	1,466	1,473	1,679

Table 29. Marine Fishcage Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	321.0	2,727.0	2,918.0	2,900.1	4,582.0
Milkfish (Bangus)	144.0	2,588.0	2,726.0	2,690.0	4,282.0
Grouper (Lapu-lapu)	101.0	113.0	138.0	136.0	82.0
Siganid (Samaral)	40.0	2.0	6.0	23.0	24.0
Red snapper (Maya-maya)	1.0	1.0	1.0	3.0	
Tiger prawn (Sugpo)		5.0	3.0	4.0	
Mud crab (Alimango)	25.0	7.0	6.0	4.0	4.0
Spiny lobsters (Banagan)	5.0	9.0	16.0	16.0	15.0
Tilapia				3.1	7.0
Other Species	5.0	2.0	22.0	21.0	168.0
VALUE ('000P)					
PHILIPPINES	53,578	210,052	259,431	257,346	370,061
Milkfish (Bangus)	9,758	156,899	189,199	191,909	281,679
Grouper (Lapu-lapu)	25,650	38,227	35,792	37,362	24,716
Siganid (Samaral)	6,000	351	1,092	2,429	3,345
Red snapper (Maya-maya)	350	225	170	275	
Tiger prawn (Sugpo)		1,850	1,500	2,000	
Mud crab (Alimango)	1,970	900	710	450	400
Spiny lobsters (Banagan)	6,700	10,000	15,330	15,260	14,630
Tilapia				109	511
Other Species	3,150	1,600	15,638	7,552	44,780

Table 30. Marine Fishpen Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	177.0	4,995.0	6,049.0	6,296.0	5,738.0
Milkfish (Bangus)	77.0	4,957.0	5,966.0	6,182.0	5,659.0
Grouper (Lapu-lapu)	48.0	2.0	7.0	15.0	15.0
Siganid (Samaral)		2.0	13.0	43.0	27.0
Red snapper (Maya-maya)	26.0	1.0	1.0	11.0	7.0
Tiger prawn (Sugpo)	1.0	a/	4.0	4.0	a/
Mud crab (Alimango)	24.0	30.0	18.0	19.0	19.0
Spiny lobsters (Banagan)	a/	1.0	3.0	11.0	2.0
White shrimp (Hipong Puti)			1.0	2.0	
Tilapia		2.0	33.0	1.0	2.0
Other Species	1.0		3.0	8.0	7.0
VALUE ('000P)					
PHILIPPINES	27,452	313,405	456,045	484,714	384,578
Milkfish (Bangus)	5,557	306,532	441,593	457,029	370,553
Grouper (Lapu-lapu)	12,150	622	1,608	5,181	4,228
Siganid (Samaral)		340	1,870	4,414	1,901
Red snapper (Maya-maya)	3,725	80	80	948	597
Tiger prawn (Sugpo)	200	200	800	832	36
Mud crab (Alimango)	4,270	4,221	2,785	2,767	2,559
Spiny lobsters (Banagan)	800	1,250	3,614	10,595	3,099
White shrimp (Hipong Puti)			100	252	
Tilapia		160	2,075	116	160
Other Species	750		1,520	2,580	1,445

a/ Quantity less than 1.0 metric ton.

Table 31. Mariculture Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	682,847.0	714,287.0	726,570.0	738,218.0	818,350.0
Oyster (Talaba)	13,897.0	13,418.0	14,804.0	14,222.0	19,042.0
Mussel (Tahong)	11,658.0	15,533.0	15,654.0	16,957.0	13,513.0
Seaweed	657,292.0	685,336.0	696,112.0	707,039.0	785,795.0
VALUE ('000P)					
PHILIPPINES	1,645,070	2,056,335	2,729,164	2,590,294	3,426,581
Oyster (Talaba)	71,737	124,932	151,059	97,962	146,372
Mussel (Tahong)	44,113	66,299	101,153	114,137	100,562
Seaweed	1,529,220	1,865,104	2,476,952	2,378,195	3,179,647

PART VI. AQUACULTURE PRODUCTION
AND VALUE OF MAJOR SPECIES

Table 32. Aquaculture Production and Value by Species, Philippines, 1997 - 2001

SPECIES	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	984.4	997.8	1,048.7	1,100.9	1,220.5
Tiger prawn (Sugpo)	40.1	36.9	37.9	40.5	40.7
Milkfish (Bangus)	158.5	162.5	180.8	210.0	225.3
Tilapia	91.8	72.0	83.8	92.6	106.7
Seaweed	657.3	685.3	696.1	707.0	785.8
Mud crab (Alimango)	3.8	4.0	4.8	5.0	4.6
Carp (Carpa)	1.9	4.8	10.6	10.7	19.6
White shrimp (Hipong puti)	0.7	0.7	1.0	1.0	1.3
Oyster (Talaba)	13.9	13.4	14.8	14.2	19.0
Mussel (Tahong)	11.7	15.5	15.7	17.0	13.5
Catfish (Hito)	1.1	0.7	1.1	0.9	1.5
Other Species	3.6	2.0	2.1	2.0	2.5
VALUE ('000P)					
PHILIPPINES	27,289	26,430	29,046	32,183	36,883
Tiger prawn (Sugpo)	11,427	11,009	10,862	11,794	13,600
Milkfish (Bangus)	8,767	8,607	9,831	11,844	12,999
Tilapia	4,260	3,664	4,096	4,388	5,134
Seaweed	1,529	1,865	2,477	2,378	3,180
Mud crab (Alimango)	650	694	929	927	852
Carp (Carpa)	37	108	233	280	405
White shrimp (Hipong puti)	52	71	87	81	120
Oyster (Talaba)	72	125	151	98	146
Mussel (Tahong)	44	66	101	114	101
Catfish (Hito)	46	38	60	55	74
Other Species	405	183	219	224	272

Table 33. AQUACULTURE: Tiger Prawn Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	40,080.0	36,859.0	37,913.0	40,467.0	40,698.0
I	337.0	209.0	174.0	168.0	221.0
II	151.0	130.0	65.0	65.0	70.0
III	18,421.0	19,467.0	18,458.0	19,061.0	19,686.0
NCR	63.0	12.0	1.0	1.0	
IV	1,828.0	1,739.0	1,853.0	1,639.0	1,593.0
V	412.0	326.0	448.0	460.0	512.0
VI	3,381.0	1,579.0	995.0	1,338.0	1,796.0
VII	3,436.0	2,769.0	2,055.0	2,128.0	1,668.0
VIII	218.0	207.0	215.0	212.0	228.0
IX	4,244.0	3,368.0	6,635.0	8,188.0	6,717.0
X	1,382.0	666.0	738.0	466.0	709.0
XI	839.0	698.0	432.0	440.0	549.0
XII	4,107.0	4,414.0	4,775.0	4,942.0	5,107.0
ARMM	199.0	184.0	189.0	178.0	189.0
CARAGA	1,062.0	1,091.0	880.0	1,181.0	1,653.0
VALUE ('000 P)					
PHILIPPINES	11,426,929	11,008,917	10,862,477	11,794,135	13,600,020
I	99,206	62,238	51,037	54,817	75,046
II	32,250	31,280	19,421	21,020	22,786
III	5,745,809	5,506,097	5,257,909	5,452,607	6,541,923
NCR	19,530	3,150	280	300	
IV	494,287	584,497	548,903	452,562	493,845
V	100,517	90,357	114,126	125,419	156,190
VI	772,379	428,139	264,742	388,483	488,050
VII	711,527	807,597	590,051	696,888	496,533
VIII	56,435	50,870	51,942	51,046	62,924
IX	1,028,049	1,156,980	1,825,085	2,259,969	2,584,879
X	309,674	165,214	199,230	145,219	262,196
XI	168,552	137,404	101,772	120,661	148,226
XII	1,552,300	1,625,584	1,540,060	1,619,684	1,654,181
ARMM	47,650	49,530	53,040	54,260	63,490
CARAGA	288,764	309,980	244,879	351,200	549,751

Table 34. AQUACULTURE: Milkfish Production and Value by Region, Philippines, 1997-2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	158,472.0	162,458.0	180,771.0	209,994.0	225,337.0
I	13,542.0	17,750.0	22,471.0	29,371.0	31,746.0
II	192.0	170.0	211.0	249.0	374.0
III	37,583.0	32,121.0	34,245.0	46,030.0	70,445.0
NCR	4,000.0	4,885.0	1,126.0	1,069.0	1,301.0
IV	25,654.0	30,467.0	28,772.0	26,533.0	17,482.0
V	1,323.0	1,180.0	1,370.0	1,303.0	1,561.0
VI	47,007.0	44,497.0	49,970.0	59,562.0	55,490.0
VII	7,479.0	6,378.0	6,635.0	6,309.0	6,920.0
VIII	1,299.0	1,377.0	1,463.0	1,580.0	1,713.0
IX	6,131.0	5,042.0	14,098.0	15,526.0	12,322.0
X	3,294.0	4,307.0	4,595.0	5,090.0	5,589.0
XI	5,085.0	5,586.0	5,828.0	6,541.0	8,164.0
XII	3,289.0	6,282.0	6,948.0	7,502.0	8,376.0
ARMM	1,371.0	1,272.0	1,713.0	1,640.0	1,899.0
CARAGA	1,223.0	1,144.0	1,326.0	1,689.0	1,955.0
VALUE ('000 P)					
PHILIPPINES	8,766,517	8,607,488	9,831,173	11,844,180	12,998,794
I	931,644	1,133,021	1,575,630	2,053,381	2,105,292
II	12,655	11,900	15,692	16,824	25,741
III	2,337,169	1,854,522	2,107,342	2,866,638	4,385,223
NCR	200,406	340,014	58,655	57,647	70,614
IV	1,435,250	1,882,954	1,611,893	1,552,675	1,068,775
V	79,908	69,843	79,544	77,004	95,651
VI	2,247,402	1,781,177	2,345,068	2,916,064	2,761,291
VII	343,398	279,994	306,868	311,300	370,545
VIII	86,105	82,981	93,460	102,180	126,081
IX	262,791	202,278	560,652	671,334	529,710
X	204,430	207,385	214,428	249,890	276,701
XI	268,390	274,962	296,683	338,878	439,715
XII	211,142	345,007	386,805	423,368	493,584
ARMM	77,746	75,700	100,644	103,684	127,223
CARAGA	68,081	65,750	77,809	103,313	122,648

Table 35. AQUACULTURE: Tilapia Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	91,834.0	72,023.0	83,832.2	92,579.1	106,746.0
CAR	1,141.0	879.0	2,239.0	2,197.0	2,414.0
I	2,164.0	1,927.0	2,013.0	2,143.1	2,991.0
II	1,705.0	1,488.0	1,971.0	2,529.0	3,946.0
III	37,368.0	32,380.0	36,042.0	41,291.0	51,595.0
NCR	170.0	168.0	122.0	55.0	47.0
IV	30,837.0	25,499.0	31,425.0	33,810.0	33,297.0
V	13,238.0	5,519.0	4,023.0	4,257.0	4,693.0
VI	323.0	253.0	367.0	516.0	616.0
VII	14.0	11.0	33.0	39.0	63.0
VIII	60.0	58.0	60.0	57.0	66.0
IX	750.0	527.0	638.0	669.0	962.0
X	234.0	286.0	416.0	481.0	568.0
XI	431.0	230.0	289.2	601.0	632.0
XII	3,213.0	2,606.0	3,669.0	3,350.0	4,298.0
ARMM	167.0	159.0	482.0	506.0	418.0
CARAGA	19.0	33.0	43.0	78.0	140.0
VALUE ('000 P)					
PHILIPPINES	4,260,254	3,664,205	4,095,680	4,387,693	5,134,041
CAR	67,940	44,783	132,837	138,277	149,107
I	112,228	104,840	123,252	129,140	163,564
II	83,502	79,167	114,637	150,796	236,152
III	1,847,583	1,654,957	1,787,975	1,945,425	2,373,523
NCR	7,220	7,125	5,813	2,430	2,091
IV	1,531,433	1,382,561	1,516,215	1,637,628	1,708,784
V	430,484	247,119	198,272	175,998	210,139
VI	10,853	7,669	13,002	20,604	25,746
VII	359	344	822	1,080	2,556
VIII	1,970	2,421	2,900	2,533	3,221
IX	21,011	11,854	14,258	18,468	60,591
X	7,474	8,641	14,228	18,849	23,780
XI	14,825	9,206	9,302	19,837	19,900
XII	114,866	95,336	140,962	107,833	136,634
ARMM	7,810	7,044	19,945	16,590	13,610
CARAGA	696	1,138	1,260	2,205	4,643

Table 36. AQUACULTURE: Seaweed Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	657,292.0	685,336.0	696,112.0	707,039.0	785,795.0
IV	164,997.0	143,042.0	125,685.0	168,756.0	171,633.0
V	3,234.0	7,320.0	8,465.0	10,747.0	21,078.0
VI	2,087.0	12,717.0	17,883.0	19,179.0	30,760.0
VII	37,041.0	39,394.0	42,579.0	44,346.0	76,647.0
VIII	2,935.0	3,316.0	3,719.0	3,962.0	8,296.0
IX	90,283.0	118,611.0	125,957.0	114,354.0	100,182.0
X	57.0	35.0	4,645.0	4,788.0	10,026.0
XI	459.0	356.0	440.0	514.0	268.0
ARMM	355,576.0	359,951.0	357,765.0	326,819.0	350,560.0
CARAGA	623.0	594.0	8,974.0	13,574.0	16,345.0
VALUE ('000P)					
PHILIPPINES	1,529,220	1,865,104	2,476,952	2,378,195	3,179,647
IV	429,332	347,544	496,597	659,342	784,517
V	8,853	25,002	40,859	36,779	78,842
VI	10,129	38,987	51,442	50,030	88,321
VII	163,267	186,446	268,014	208,104	488,214
VIII	12,327	20,758	26,599	23,762	49,666
IX	221,640	318,730	401,331	242,573	267,421
X	298	240	20,725	21,236	48,153
XI	1,646	1,404	2,880	2,276	727
ARMM	678,757	923,020	1,110,465	1,026,019	1,263,420
CARAGA	2,971	2,973	58,040	108,074	110,366

Table 37. AQUACULTURE: Mud Crab Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	3,759.0	4,033.0	4,826.0	4,968.0	4,608.0
I	643.0	656.0	72.0	72.0	151.0
II	16.0	21.0	22.0	29.0	28.0
III	2,086.0	2,105.0	2,238.0	2,302.0	2,235.0
IV	3.0	57.0	33.0	31.0	47.0
V	784.0	910.0	1,998.0	2,043.0	1,629.0
VI	77.0	84.0	147.0	152.0	122.0
VIII	10.0	8.0	13.0	20.0	26.0
IX	61.0	58.0	126.0	136.0	168.0
X	a/	27.0	46.0	55.0	73.0
XI	a/	2.0	10.0	9.0	12.0
XII			a/		
ARMM			15.0	13.0	12.0
CARAGA	79.0	105.0	106.0	106.0	105.0
VALUE ('000 P)					
PHILIPPINES	650,352	693,890	929,012	926,853	852,225
I	81,783	107,776	12,480	13,350	27,330
II	1,530	3,800	4,120	5,337	4,438
III	401,822	419,093	439,699	484,381	491,800
IV	261	13,920	4,260	4,778	5,020
V	139,100	105,321	394,972	344,323	241,576
VI	10,644	18,031	30,384	27,242	23,147
VIII	1,136	1,024	1,602	2,439	3,242
IX	7,455	8,835	17,975	20,978	25,630
X	17	6,610	11,120	10,920	15,600
XI	5	275	794	965	1,165
XII			41		
ARMM			2,025	1,795	1,950
CARAGA	6,599	9,205	9,540	10,345	11,327

a/ Quantity less than 1.0 metric ton.

Table 38. AQUACULTURE: Carp Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	1,865.0	4,755.0	10,574.0	10,682.0	19,568.0
CAR	10.0	8.0	8.0	7.0	6.0
I	2.0	2.0	8.0	9.0	8.0
II	18.0	14.0	17.0	18.0	5.0
III	213.0	213.0	252.0	212.0	121.0
NCR	14.0	15.0	14.0	3.0	40.0
IV	1,571.0	4,462.0	10,141.0	10,296.0	19,242.0
V	a/	7.0	1.0	2.0	a/
VI	2.0	2.0	1.0		a/
VIII	1.0				
X	8.0	9.0	111.0	120.0	131.0
XI	6.0	13.0	15.0	7.0	7.0
XII	13.0	7.0			
ARMM	1.0	1.0	1.0	1.0	
CARAGA	6.0	2.0	5.0	7.0	8.0
VALUE ('000 P)					
PHILIPPINES	36,827	107,898	233,389	280,301	404,983
CAR	558	537	455	410	285
I	100	110	405	441	386
II	1,053	878	1,035	1,130	348
III	8,305	9,464	9,989	8,976	5,280
NCR	350	375	350	60	692
IV	25,240	95,206	213,700	261,549	389,751
V	18	295	40	99	11
VI	88	85	40		6
VIII	45				
X	240	165	6,687	7,272	7,629
XI	150	434	507	197	328
XII	462	245			
ARMM	25	28	28	27	
CARAGA	193	76	153	140	267

a/ Quantity less than 1.0 metric ton.

Table 39. AQUACULTURE: White Shrimp Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	687.0	741.0	1,039.0	1,016.0	1,276.0
I	86.0	84.0	76.0	73.0	94.0
II	6.0	9.0	12.0	15.0	17.0
III	18.0	20.0	21.0	23.0	22.0
IV	19.0	104.0	71.0	95.0	102.0
V	105.0	89.0	85.0	9.0	130.0
VI	29.0	14.0	31.0	29.0	44.0
VII	2.0				
IX	215.0	247.0	495.0	522.0	600.0
X					1.0
ARMM	a/	a/	114.0	113.0	129.0
CARAGA	207.0	174.0	134.0	137.0	137.0
VALUE ('000 P)					
PHILIPPINES	52,064	71,093	86,671	80,576	120,464
I	10,353	10,416	7,375	7,606	13,418
II	680	1,423	1,810	2,364	2,280
III	870	1,140	1,260	1,483	1,430
IV	1,436	15,891	12,745	18,880	24,643
V	12,666	11,850	11,870	1,800	22,056
VI	1,894	1,251	3,480	3,670	5,040
VII	300				
IX	10,610	16,523	29,549	26,098	28,805
X					122
ARMM	52	17	9,157	8,350	10,954
CARAGA	13,203	12,582	9,425	10,325	11,716

a/ Quantity less than 1.0 metric ton.

Table 40. AQUACULTURE: Oyster Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	13,897.0	13,418.0	14,804.0	14,222.0	19,042.0
I	3,738.0	3,051.0	3,229.0	3,261.0	3,357.0
II	100.0	240.0	140.0	160.0	232.0
III	2,491.0	2,478.0	1,845.0	2,910.0	8,165.0
IV	4,096.0	4,452.0	5,143.0	2,737.0	1,722.0
V	57.0	44.0	32.0	37.0	35.0
VI	3,147.0	2,830.0	4,075.0	4,046.0	4,557.0
VII	63.0	48.0	70.0	127.0	133.0
IX	142.0	192.0	222.0	247.0	232.0
XI	51.0	73.0	48.0	697.0	609.0
CARAGA	12.0	10.0			
VALUE ('000P)					
PHILIPPINES	71,737	124,932	151,059	97,962	146,372
I	22,805	17,359	18,511	19,700	19,724
II	100	240	280	320	529
III	12,174	6,701	11,976	18,331	73,906
IV	21,000	89,095	106,282	41,938	32,675
V	301	146	122	104	150
VI	13,439	9,431	11,695	11,284	13,503
VII	465	516	821	1,579	1,749
IX	1,079	1,011	1,172	1,310	1,230
XI	284	358	200	3,396	2,906
CARAGA	90	75			

Table 41. AQUACULTURE: Mussel Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	11,658.0	15,533.0	15,654.0	16,957.0	13,513.0
NCR	1.0				
IV	2,021.0	4,430.0	5,100.0	6,628.0	4,322.0
V	1,072.0	980.0	693.0	611.0	710.0
VI	6,137.0	7,510.0	7,467.0	7,243.0	5,943.0
VII		29.0	1.0		
VIII	2,423.0	2,580.0	2,381.0	2,462.0	2,524.0
IX	4.0	4.0	12.0	13.0	14.0
VALUE ('000P)					
PHILIPPINES	44,113	66,299	101,153	114,137	100,562
NCR	7				
IV	17,751	39,702	71,792	77,872	63,189
V	7,002	3,369	4,090	8,136	11,037
VI	12,870	16,648	18,750	19,329	16,895
VII		260	10		
VIII	6,423	6,240	6,226	8,475	9,088
IX	60	80	285	325	353

Table 42. AQUACULTURE: Catfish Production and Value by Region, Philippines, 1997 - 2001

REGION	1997	1998	1999	2000	2001
QUANTITY (MT)					
PHILIPPINES	1,052.0	743.0	1,112.0	935.0	1,523.0
CAR	8.0	a/	a/	a/	a/
I	13.0	11.0	19.0	17.0	20.0
II	140.0	69.0	171.0	215.0	172.0
III	727.0	558.0	722.0	393.0	995.0
IV	5.0				
V		3.0	14.0	21.0	33.0
VI	107.0	63.0	114.0	122.0	124.0
VIII		a/			a/
X				39.0	16.0
XI	20.0	13.0	34.0	77.0	91.0
XII	26.0	25.0	29.0	50.0	72.0
ARMM	1.0	1.0	1.0	1.0	
CARAGA	5.0		8.0		
VALUE ('000 P)					
PHILIPPINES	45,833	37,620	60,313	54,790	73,630
CAR	474	17	34	15	119
I	726	629	1,086	981	1,208
II	9,146	4,812	11,268	14,115	11,606
III	26,272	26,256	35,915	21,188	41,549
IV	265				
V		132	696	1,056	1,720
VI	7,066	4,060	8,153	8,760	8,357
VIII		1			2
X				2,475	1,090
XI	682	525	1,580	3,938	4,713
XII	1,027	1,163	1,328	2,237	3,266
ARMM	25	25	25	25	
CARAGA	150		228		

a/ Quantity less than 1.0 metric ton.

Table 43. Top Aquaculture Producing Provinces by Species, Philippines, 1997 - 2001

SPECIES/PROVINCES	Average Annual Production (M.T.)	Percent Share	Cumulative % Share
MILKFISH	187,405	100.00	
1. Bulacan	25,630	13.68	13.68
2. Pangasinan	21,917	11.69	25.38
3. Iloilo	13,648	7.28	32.66
4. Capiz	11,481	6.13	38.79
5. Negros Occidental	16,563	8.84	47.63
6. Pampanga	9,552	5.10	52.73
7. Quezon	11,369	6.07	58.70
8. Zamboanga del Sur	9,041	4.82	63.62
9. Bataan	6,887	3.67	67.29
10. Aklan	8,176	4.36	71.65
Other Provinces	53,140	28.35	100.00
TILAPIA	89,404	100.00	
1. Pampanga	28,273	31.62	31.62
2. Batangas	20,685	23.14	54.76
3. Camarines Sur	5,496	6.15	60.91
4. Nueva Ecija	4,917	5.50	66.41
5. Laguna	4,504	5.04	71.45
6. Bulacan	4,202	4.70	76.15
7. Rizal	3,987	4.46	80.61
8. South Cotabato	2,373	2.65	83.26
9. Tarlac	1,399	1.57	84.83
10. Quezon	1,362	1.52	86.35
Other Provinces	12,206	13.65	100.00
TIGER PRAWN	39,202	100.00	
1. Pampanga	15,695	40.04	40.04
2. Zamboanga del Sur	5,699	14.54	54.58
3. Lanao del Norte	4,665	11.90	66.48
4. Bataan	2,571	6.56	73.04
5. Bohol	1,562	3.98	77.02
Other Provinces	9,010	22.98	100.00
SEAWEED	706,308	100.00	
1. Tawi-tawi	176,360	24.97	24.97
2. Sulu	171,482	24.28	49.25
3. Palawan	143,794	20.36	69.61
4. Zamboanga City	84,055	11.90	81.51
5. Bohol	46,925	6.64	88.15
Other Provinces	83,692	11.85	100.00
OYSTER	15,077	100.00	
1. Cavite	3,630	24.08	24.08
2. Bulacan	3,578	23.73	47.81
3. Pangasinan	3,062	20.31	68.12
4. Capiz	1,849	12.26	80.38
5. Negros Occidental	1,195	7.93	88.31
Other Provinces	1,763	11.69	100.00
MUSSEL	14,662	100.00	
1. Cavite	4,500	30.69	30.69
2. Capiz	4,250	28.99	59.68
3. Western Samar	2,474	16.87	76.55
4. Negros Occidental	1,623	11.07	87.62
5. Aklan	981	6.69	94.31
Other Provinces	834	5.69	100.00

PART VII. FISH PRICES

Table 44. Wholesale Prices of Selected Fish Species, Philippines, 1997 - 2001
(Peso per Kilogram)

SPECIES	1997	1998	1999	2000	2001
1. Indian mackerel (Alumahan)	47.90	49.34	53.60	56.79	60.24
2. Milkfish (Bangus)	59.55	57.08	65.75	67.36	66.74
3. Threadfin bream (Bisugo)	53.25	56.79	61.22	62.73	68.29
4. Caesio (Dalagang-bukid)	54.70	53.24	59.50	64.83	67.99
5. Anchovies (Dilis)	28.12	31.25	32.65	35.75	35.96
6. Roundscad (Galonggong)	31.93	34.45	40.03	41.49	44.39
7. Slipmouth (Sapsap)	28.30	30.46	31.98	34.87	35.77
8. Tiger prawn (Sugpo)	233.06	305.58	288.27	306.26	342.04
9. Tilapia	41.37	42.98	50.16	46.75	45.80
10. Frigate tuna (Tulingan)	35.27	36.36	42.41	43.47	47.99
11. Blue crab (Alimasag)	51.60	58.35	61.61	61.46	62.38

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

Table 45. Retail Prices of Selected Fish Species, Philippines, 1997 - 2001**(Peso per Kilogram)**

SPECIES	1997	1998	1999	2000	2001
1. Indian mackerel (Alumahan)	60.88	61.68	64.76	67.46	70.72
2. Milkfish (Bangus)	74.55	79.58	79.58	81.45	82.50
3. Threadfin bream (Bisugo)	75.66	77.81	82.45	85.78	91.34
4. Caesio (Dalagang-bukid)	76.43	78.63	85.26	87.90	93.08
5. Anchovies (Dilis)	44.14	44.94	46.72	47.96	50.21
6. Roundscad (Galonggong)	44.97	47.42	53.41	54.90	59.44
7. Slipmouth (Sapsap)	58.93	59.92	60.64	68.39	71.58
8. Tiger prawn (Sugpo)	274.04	310.83	317.90	330.75	351.25
9. Tilapia	58.62	59.71	68.27	58.58	59.17
10. Frigate tuna (Tulingan)	46.29	48.97	51.29	52.65	57.30
11. Blue crab (Alimasag)	74.22	77.35	82.24	88.75	97.96

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

PART VIII. FOREIGN TRADE

Table 46. Export of Fish and Fishery Products, Philippines, 1997 - 2001

ITEM	1997	1998	1999	2000	2001
QUANTITY (MT)					
TOTAL	173,887	185,758	172,845	199,719	159,069
I. FISH AND FISH PREPARATIONS	130,368	148,047	128,807	139,600	114,791
1. Fish, fresh (live or dead), chilled or frozen	38,355	62,374	57,221	65,665	41,397
2. Fish, dried, salted or in brine, smoked fish (whether or not cooked before or during smoking)	754	592	820	1,322	1,534
3. Crustaceans, mollusks, whether in shell or not, fresh (live or dead), chilled, frozen, salted in brine or dried; crustaceans in shells, simply boiled in water	30,817	28,289	30,530	32,408	34,042
4. Fish, crustaceans and mollusks, prepared or preserved, n.e.s.	60,442	56,792	40,236	40,205	37,818
II. SHELLS AND BY-PRODUCTS	2,226	1,978	1,765	1,654	2,233
III. MISCELLANEOUS FISHERY PRODUCTS AND BY-PRODUCTS	41,293	35,733	42,273	58,465	42,045
VALUE ('000 P)					
TOTAL	16,337,349	20,553,378	19,337,504	20,422,791	22,723,208
I. FISH AND FISH PREPARATIONS	13,027,518	17,287,928	15,049,346	16,169,195	18,479,850
1. Fish, fresh (live or dead), chilled or frozen	2,006,088	4,059,091	3,618,836	4,470,746	4,295,247
2. Fish, dried, salted or in brine, smoked fish (whether or not cooked before or during smoking)	113,695	117,284	122,130	161,012	230,090
3. Crustaceans, mollusks, whether in shell or not, fresh (live or dead), chilled, frozen, salted in brine or dried; crustaceans in shells, simply boiled in water	6,614,592	7,682,142	7,843,420	8,570,537	9,666,784
4. Fish, crustaceans and mollusks, prepared or preserved, n.e.s.	4,293,143	5,429,411	3,464,960	2,966,900	4,287,729
II. SHELLS AND BY-PRODUCTS	514,298	700,389	762,754	736,090	649,878
III. MISCELLANEOUS FISHERY PRODUCTS AND BY-PRODUCTS	2,795,533	2,565,061	3,525,404	3,517,506	3,593,480

Source: National Statistics Office (NSO).

Table 47. Major Fishery Exports by Kind, Philippines, 1997 - 2001

KIND	1997	1998	1999	2000	2001
QUANTITY (MT)					
TOTAL EXPORTS	173,887	185,758	172,845	199,719	159,069
Total Major Exports	159,705	170,367	158,706	183,258	146,019
% Contribution to Total Exports	91.84	91.71	91.82	91.76	91.80
1. Shrimps and Prawns	10,533	10,649	11,058	12,062	13,301
2. Tuna	79,115	99,461	78,237	79,117	56,752
3. Seaweeds	40,849	35,060	41,831	56,841	41,253
4. Squid and Cuttlefish	2,495	2,712	1,311	1,625	1,687
5. Octopus	10,416	8,349	11,127	10,240	11,806
6. Crab and Crab Fat	3,451	2,848	3,398	4,578	5,652
7. Ornamental fish, Live	5,843	5,445	5,558	5,749	5,535
8. Sea cucumber, Dried	1,297	1,040	1,125	1,692	1,270
9. Grouper, Live	3,639	3,299	3,721	6,645	4,905
10. Roundscad	2,067	1,504	1,340	4,709	3,858
VALUE ('000 P)					
TOTAL EXPORTS	16,337,349	20,553,378	19,337,504	20,422,791	22,723,208
Total Major Exports	14,441,176	18,145,765	16,698,397	17,674,441	20,600,890
% Contribution to Total Exports	88.39	88.29	86.35	86.54	90.66
1. Shrimps and Prawns	3,894,376	5,052,988	5,142,229	5,830,710	6,291,498
2. Tuna	5,103,104	7,938,351	5,267,565	4,842,890	5,871,128
3. Seaweeds	2,761,647	2,515,914	3,486,105	3,430,108	3,539,523
4. Squid and Cuttlefish	511,118	577,562	290,361	352,926	437,859
5. Octopus	1,160,905	965,624	1,273,375	985,706	1,430,478
6. Crab and Crab Fat	420,685	470,521	536,993	771,210	1,524,925
7. Ornamental fish, Live	214,262	248,041	260,919	271,580	320,500
8. Sea cucumber, Dried	134,735	99,192	147,198	266,295	284,949
9. Grouper, Live	121,822	168,131	186,282	548,996	574,978
10. Roundscad	118,522	109,441	107,370	374,020	325,052

Table 48. Major Fishery Exports by Kind and Form, Philippines, 1997 - 2001

KIND/Form	1997	1998	1999	2000	2001
QUANTITY (MT)					
TOTAL EXPORTS	173,887	185,758	172,845	199,719	159,069
Total Major Exports	159,705	170,367	158,706	183,258	146,019
% Contribution to Total Exports	91.84	91.71	91.82	91.76	91.80
1. Shrimps and Prawns	10,533	10,649	11,058	12,062	13,301
Fresh/Chilled/Frozen	10,274	10,527	10,925	12,059	12,757
Other than Frozen	259	122	133	-	5
Prepared/Preserved		a/		3	539
2. Tuna	79,115	99,461	78,237	79,117	56,752
Fresh/Chilled/Frozen	22,755	46,154	41,127	42,068	22,072
Dried/Smoked	196	187	253	591	771
Prepared/Preserved	56,164	53,120	36,857	36,458	33,909
3. Seaweeds	40,849	35,060	41,831	56,841	41,253
Seaweeds and other algae, nes	27,663	26,722	32,311	48,383	31,644
Seaweeds and algae used for food	111	185	555	-	14
Carrageenan	12,575	7,555	8,184	7,703	8,648
Kelp powder	500	598	781	755	947
Seaweeds and other algae for dyeing, tanning	-	-	-	-	-
4. Squid and Cuttlefish	2,495	2,712	1,311	1,625	1,687
Fresh/Chilled	24	22	19	7	33
Dried/Salted	2,443	2,682	1,272	1,598	1,612
Prepared/Preserved	28	8	20	20	42
5. Octopus	10,416	8,349	11,127	10,240	11,806
Fresh/Chilled	0	18	-	70	176
Dried/Salted	10,416	8,331	11,127	10,170	11,630
6. Crab and Crab Fat	3,451	2,848	3,398	4,578	5,652
Fresh/Chilled/Frozen	3,377	1,662	129	353	96
Other than Frozen	-	1,099	3,084	4,140	4,815
Prepared and Preserved	74	87	185	85	741
7. Ornamental Fish, Live	5,843	5,445	5,558	5,749	5,535
8. Sea Cucumber, Dried	1,297	1,040	1,125	1,692	1,270
9. Grouper, Live	3,639	3,299	3,721	6,645	4,905
10. Roundscad	2,067	1,504	1,340	4,709	3,858
Fresh/Chilled/Frozen	1,943	1,431	1,249	4,546	3,712
Dried/Smoked	124	73	91	163	146

a/ Quantity less than 1.0 metric ton.

Table 48. Major Fishery Exports by Kind and Form, Philippines, 1997 - 2001 (Cont'd.)

KIND/Form	1997	1998	1999	2000	2001
VALUE ('000 P)					
TOTAL EXPORTS	16,337,349	20,553,378	19,337,504	20,422,791	22,723,208
Total Major Exports	14,441,176	18,145,765	16,698,397	17,674,441	20,600,890
% Contribution to Total Exports	88.39	88.29	86.35	86.54	90.66
1. Shrimps and Prawns	3,894,376	5,052,988	5,142,229	5,830,710	6,291,498
Fresh/Chilled/Frozen	3,818,046	5,015,890	5,091,511	5,829,067	6,226,503
Other than Frozen	76,330	36,935	50,718	-	1,463
Prepared/Preserved		163		1,643	63,532
2. Tuna	5,103,104	7,938,351	5,267,565	4,842,890	5,871,128
Fresh/Chilled/Frozen	1,094,074	2,829,926	2,076,949	2,166,613	2,351,090
Dried/Smoked	53,608	62,345	42,867	77,403	112,789
Prepared/Preserved	3,955,422	5,046,080	3,147,749	2,598,874	3,407,249
3. Seaweeds	2,761,647	2,515,914	3,486,105	3,430,108	3,539,523
Seaweeds and other algae, nes	958,478	1,189,644	1,774,865	1,874,409	1,612,057
Seaweeds and algae used for food	6,806	20,086	28,015	-	968
Carrageenan	1,791,687	1,299,589	1,674,073	1,545,560	1,912,428
Kelp powder	4,676	6,595	9,152	10,139	14,070
Seaweeds and other algae for dyeing, tanning	-	-	-	-	-
4. Squid and Cuttlefish	511,118	577,562	290,361	352,926	437,859
Fresh/Chilled	1,619	2,912	2,878	783	7,559
Dried/ Salted	505,993	573,649	283,398	349,198	422,925
Prepared/Preserved	3,506	1,001	4,085	2,945	7,375
5. Octopus	1,160,905	965,624	1,273,375	985,706	1,430,478
Fresh/Chilled	48	3,061	-	9,001	19,072
Dried/Salted	1,160,857	962,563	1,273,375	976,705	1,411,406
6. Crab and Crab Fat	420,685	470,521	536,993	771,210	1,524,925
Fresh/Chilled/Frozen	392,704	245,526	17,674	43,609	14,914
Other than Frozen	-	170,502	473,209	675,622	945,693
Prepared/Preserved	27,981	54,493	46,110	51,979	564,318
7. Ornamental Fish, Live	214,262	248,041	260,919	271,580	320,500
8. Sea Cucumber, Dried	134,735	99,192	147,198	266,295	284,949
9. Grouper, Live	121,822	168,131	186,282	548,996	574,978
10. Roundscad	118,522	109,441	107,370	374,020	325,052
Fresh/Chilled/Frozen	107,628	100,135	96,421	352,857	302,136
Dried/Smoked	10,894	9,306	10,949	21,163	22,916

Table 49. Major Destinations of Top Three Fishery Exports, Philippines, 1997 - 2001

DESTINATIONS	1997	1998	1999	2000	2001
QUANTITY (MT)					
Shrimps and Prawns	9,982	9,964	10,439	11,170	12,268
Japan	7,463	7,691	8,351	8,171	8,809
U. S. A.	952	1,581	1,375	1,993	1,910
Korea	1,059	125	324	687	1,283
Hong Kong	314	429	262	127	121
Guam	194	138	127	192	145
Tuna	54,151	53,580	46,797	37,640	28,507
Japan	16,608	18,459	24,106	15,392	7,075
U. S. A.	18,389	16,551	13,079	16,456	11,555
Germany	10,552	7,774	3,448	1,639	4,861
United Kingdom	4,697	5,490	2,868	1,788	2,032
South Africa	3,905	5,306	3,296	2,365	2,984
Seaweeds	18,904	15,726	18,736	29,928	17,011
United Kingdom	3,954	3,034	3,123	2,802	1,837
U. S. A.	5,077	2,931	4,061	4,675	5,410
France	5,998	7,762	6,545	17,890	6,975
Denmark	3,875	1,999	5,007	4,561	2,789
VALUE ('000 P)					
Shrimps and Prawns	3,724,739	4,791,761	4,900,052	5,479,111	5,914,141
Japan	2,920,014	3,787,188	3,945,960	4,173,383	4,468,018
U. S. A.	381,485	785,883	674,919	869,935	799,721
Korea	290,874	58,586	165,252	308,371	539,756
Hong Kong	70,448	104,352	64,119	29,826	25,890
Guam	61,918	55,752	49,802	97,596	80,756
Tuna	3,569,772	5,020,610	3,240,473	2,775,239	3,405,451
Japan	908,199	1,612,969	1,053,060	834,672	727,884
U. S. A.	1,302,458	1,637,769	1,360,397	1,539,920	1,711,253
Germany	729,510	732,112	306,652	119,728	473,194
United Kingdom	341,378	498,597	218,127	127,108	217,162
South Africa	288,227	539,163	302,237	153,811	275,958
Seaweeds	1,427,192	1,296,945	1,883,924	1,861,097	1,921,356
United Kingdom	386,699	339,151	488,190	428,283	288,301
U. S. A.	463,630	365,528	449,922	420,070	384,764
France	321,875	423,348	439,319	447,948	500,076
Denmark	254,988	168,918	506,493	564,796	748,215

Table 50. Import of Fish and Fishery Products, Philippines, 1997 - 2001

ITEM	1997	1998	1999	2000	2001
QUANTITY (MT)					
TOTAL	295,016	165,989	255,066	242,464	179,994
Canned	1,932	672	1,351	1,054	1,179
Fresh/Chilled/Frozen/ Salted/Dried/Smoked	169,953	120,563	176,496	153,609	86,333
Fish Meal	120,056	42,989	73,178	81,237	84,546
Miscellaneous Fishery Products	3,075	1,765	4,041	6,564	7,936
VALUE ('000 P)					
TOTAL	4,020,376	3,287,760	4,399,002	3,847,460	3,815,210
Canned	69,135	39,817	74,803	55,453	68,390
Fresh/Chilled/Frozen/ Salted/Dried/Smoked	1,979,469	2,211,212	2,997,018	2,272,266	1,769,235
Fish Meal	1,864,471	952,384	1,150,557	1,190,494	1,585,071
Miscellaneous Fishery Products	107,301	84,347	176,624	329,247	392,514

Source: National Statistics Office (NSO).

Table 51. Major Fishery Imports by Kind, Philippines, 1997 - 2001

KIND	1997	1998	1999	2000	2001
QUANTITY (MT)					
TOTAL IMPORTS	295,016	165,989	255,066	242,464	179,994
Total Major Imports	287,182	160,339	242,110	225,914	164,061
% Contribution to Total Imports	97.34	96.60	94.92	93.17	91.15
1. Fish Meal	120,056	42,989	73,178	81,237	84,546
2. Tuna	53,865	69,402	57,287	34,547	19,340
3. Mackerel	94,422	41,150	61,074	44,499	23,123
4. Sardines	9,457	3,440	38,965	47,804	24,292
5. Squid and Cuttlefish	9,382	3,358	11,606	17,827	12,760
VALUE ('000 P)					
TOTAL IMPORTS	4,020,376	3,287,760	4,399,002	3,847,460	3,815,210
Total Major Imports	3,747,797	3,027,656	3,949,442	3,252,754	2,986,024
% Contribution to Total Imports	93.22	92.09	89.78	84.54	78.27
1. Fish Meal	1,864,471	952,384	1,150,557	1,190,494	1,585,071
2. Tuna	889,432	1,526,994	1,427,851	714,014	442,296
3. Mackerel	806,247	465,556	753,326	527,962	355,861
4. Sardines	81,212	41,841	443,417	485,817	299,551
5. Squid and Cuttlefish	106,435	40,881	174,291	334,467	303,245

Table 52. Major Fishery Imports by Kind and Form, Philippines, 1997 - 2001

KIND/Form	1997	1998	1999	2000	2001
QUANTITY (MT)					
TOTAL IMPORTS	295,016	165,989	255,066	242,464	179,994
Total Major Imports	287,182	160,339	242,110	225,914	164,061
% Contribution to Total Imports	97.34	96.60	94.92	93.17	91.15
1. Fish Meal	120,056	42,989	73,178	81,237	84,546
2. Tuna	53,865	69,402	57,287	34,547	19,340
Fresh/Chilled/Frozen	53,816	69,343	57,261	34,482	19,125
Salted/Smoked	-	18	-	21	19
Prepared/Preserved	49	41	26	44	196
3. Mackerel	94,422	41,150	61,074	44,499	23,123
Fresh/Chilled/Frozen	94,418	41,148	60,980	44,420	23,122
Salted/Smoked	1	-	82	24	-
Prepared/Preserved	3	2	12	55	1
4. Sardines	9,457	3,440	38,965	47,804	24,292
Fresh/Chilled/Frozen	9,138	3,373	38,547	47,546	24,012
Prepared/Preserved	319	67	418	258	280
5. Squid and Cuttlefish	9,382	3,358	11,606	17,827	12,760
Fresh/Chilled/Frozen	-	16	-	-	-
Dried/Salted	8,330	3,315	11,389	17,617	12,580
Prepared/Preserved	1,052	27	217	210	180
VALUE ('000 P)					
TOTAL IMPORTS	4,020,376	3,287,760	4,399,002	3,847,460	3,815,210
Total Major Imports	3,747,797	3,027,656	3,949,442	3,252,754	2,986,024
% Contribution to Total Imports	93.22	92.09	89.78	84.54	78.27
1. Fish Meal	1,864,471	952,384	1,150,557	1,190,494	1,585,071
2. Tuna	889,432	1,526,994	1,427,851	714,014	442,296
Fresh/Chilled/Frozen	887,116	1,525,628	1,422,861	711,251	431,008
Salted/Smoked	-	463	-	527	693
Prepared/Preserved	2,316	903	4,990	2,236	10,595
3. Mackerel	806,247	465,556	753,326	527,962	355,861
Fresh/Chilled/Frozen	806,108	465,495	752,155	524,402	355,814
Salted/Smoked	18	-	801	1,199	-
Prepared/Preserved	121	61	370	2,361	47
4. Sardines	81,212	41,841	443,417	485,817	299,551
Fresh/Chilled/Frozen	67,301	35,662	410,500	473,206	284,968
Prepared/Preserved	13,911	6,179	32,917	12,611	14,583
5. Squid and Cuttlefish	106,435	40,881	174,291	334,467	303,245
Fresh/Chilled/Frozen	-	146	-	-	-
Dried/Salted	80,645	39,680	163,305	325,038	296,344
Prepared/Preserved	25,790	1,055	10,986	9,429	6,901

Table 53. Major Sources of Top Three Fishery Imports, Philippines, 1997 - 2001

SOURCES	1997	1998	1999	2000	2001
QUANTITY (MT)					
Fish Meal	117,309	33,994	69,362	77,800	78,603
Peru	95,241	17,215	60,127	64,292	69,277
Chile	12,130	2,214	2,482	6,357	5,233
U. S. A.	9,938	14,565	6,753	7,151	4,093
Tuna	32,467	44,429	41,698	29,482	12,123
Papua, New Guinea	10,890	14,156	2,204	2,110	1,795
Trust Territory of the P. I.	9,987	7,056	6,276	-	840
Taiwan	6,633	3,665	8,162	9,098	2,292
Indonesia	4,317	15,010	23,360	14,483	7,058
Singapore	413	3,824	531	3,741	110
U. S. A.	227	718	1,165	50	28
Mackerel	72,917	30,735	37,176	25,812	11,788
Japan	28,683	1,685	119	104	229
Taiwan	37,301	25,736	14,841	5,820	5,379
Korea	6,660	3,314	22,216	19,888	5,312
United Kingdom	273	-	-	-	868
VALUE ('000 P)					
Fish Meal	1,818,387	774,464	1,051,270	1,128,466	1,439,231
Peru	1,471,443	416,161	916,721	942,092	1,215,587
Chile	183,405	59,247	46,325	108,081	146,454
U. S. A.	163,539	299,056	88,224	78,293	77,190
Tuna	473,809	945,671	1,035,004	613,531	296,085
Papua, New Guinea	165,330	266,815	20,004	54,524	14,283
Trust Territory of the P. I.	159,095	100,991	162,172	-	25,399
Taiwan	101,760	118,187	222,038	162,275	66,366
Indonesia	36,046	367,630	580,440	336,089	179,138
Singapore	6,334	75,956	15,628	59,504	8,036
U. S. A.	5,244	16,092	34,722	1,139	2,863
Mackerel	607,546	338,972	427,822	300,306	182,154
Japan	253,756	15,064	1,651	2,065	3,316
Taiwan	300,496	285,985	177,426	63,633	91,670
Korea	51,425	37,923	248,745	234,608	75,385
United Kingdom	1,869	-	-	-	11,783

Figure 13. Volume of Fishery Export and Import, Philippines, 1997-2001

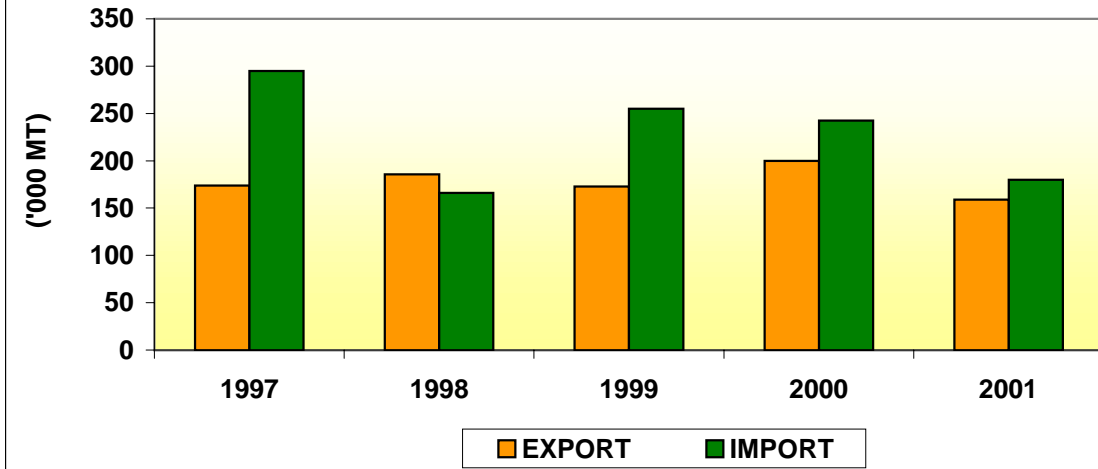


Figure 14. Value of Fishery Export and Import, Philippines, 1997-2001

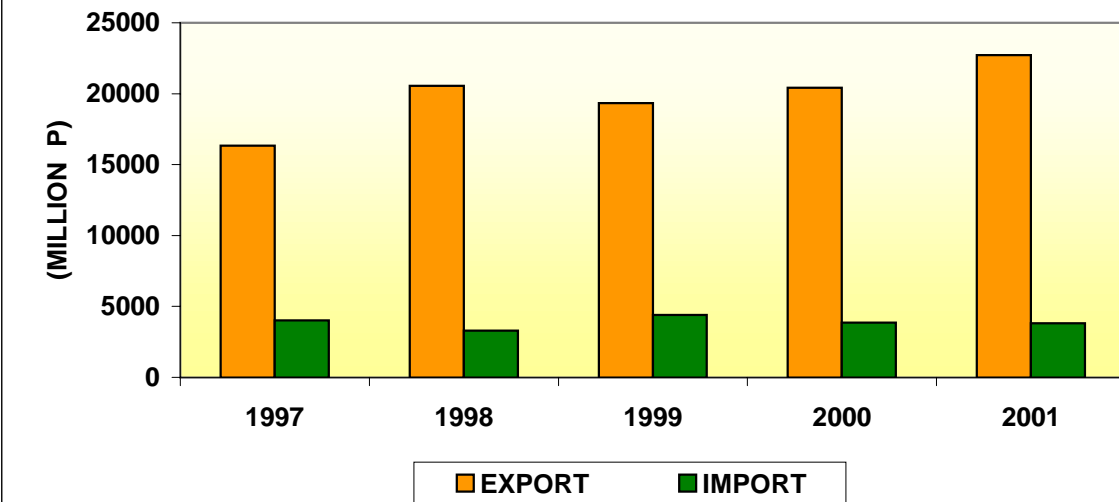


Figure 15. Percentage Contribution of Top Fishery Export to Total Export Value, Philippines, 1997

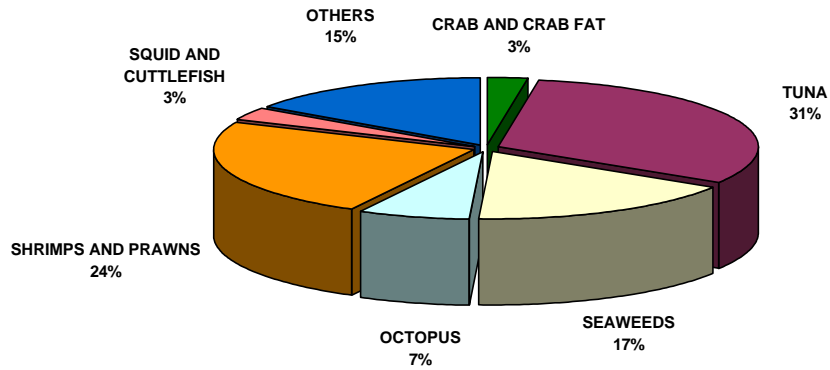


Figure 16. Percentage Contribution of Top Fishery Export to Total Export Value, Philippines, 2001

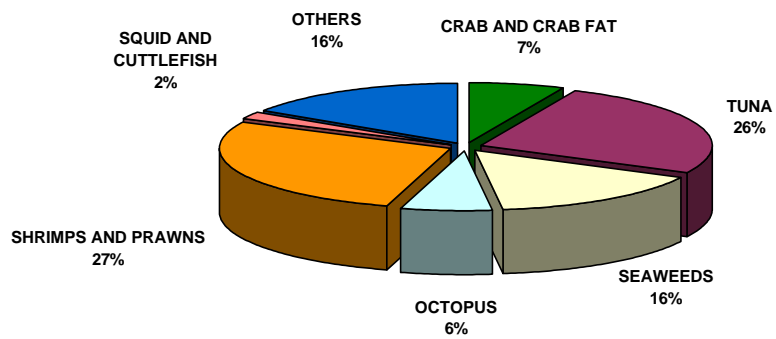


Figure 17. Percentage Contribution of Top Fishery Import to Total Import Value, Philippines, 1997

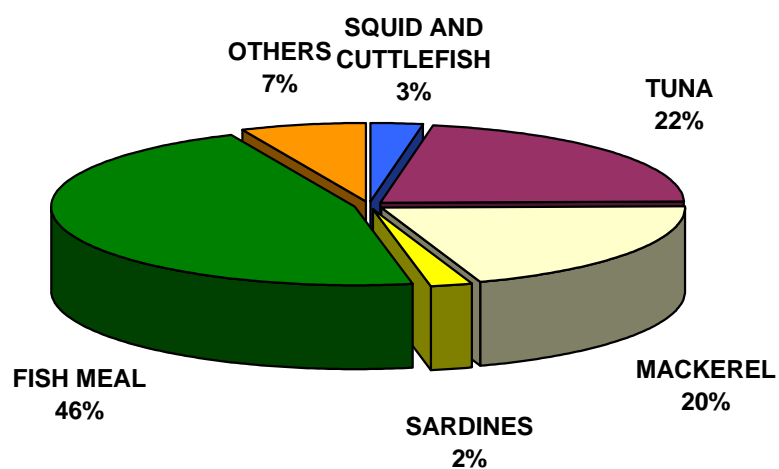


Figure 18. Percentage Contribution of Top Fishery Import to Total Import Value, Philippines, 2001

