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MARINE FISHERY RESOURCES
DEVELOPMENT AND MANAGEMENT
DEPARTMENT OF SEAFDEC

KUALA TERENGGANU, MALAYSIA



SEAFDEC MFRDMD/ST/3

**THE CATCH-EFFORT STATISTICS
FOR THE SOUTH CHINA SEA AREA**

1994

Marine Fishery Resources Development and Management Department

Southeast Asian Fisheries Development Center

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REPORT OF STATISTICAL BULLETIN
ISSN 1511-1709

FOREWORD

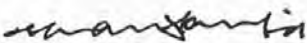
The SEAFDEC programs of statistics can be divided into two components i.e., the general production statistics and the catch-effort statistics. The catch-effort statistics for the South China Sea area was first produced in November 1981 as a supplement to the Fishery Statistical Bulletin which was first issued in 1978. This catch-effort statistics was later incorporated as part of the Statistical Bulletin from 1981 till 1983 and continued to be published independently by the Secretariat. The last publication was the catch-effort statistics for 1991.

At the Technical Working Group Meeting, held in Bangkok in January 1990, it was agreed that MFRDMD could embark on the compilation of the catch-effort statistics. The recommendation of the Technical Working Group Meeting was then included in MFRDMD'S three year Operation Plan (1992 - 1994) which was approved by the Council at its twenty-fourth annual meeting held in Manila in 1991. Hence with the establishment of MFRDMD as the fourth Department of SEAFDEC the responsibility of producing the catch-effort statistics for the South China Sea area was eventually taken over by the Department in 1993.

MFRDMD has revised the format for the collection and compilation of the catch-effort statistics, and discussed this matter with the Secretariat, TD and other people concerned. The revised format was submitted to the Regional Workshop on Fishery Information and Statistics in Asia, held in January 1994, Bangkok. The workshop accepted the revised format for the catch-effort statistics for the region.

The first issue of the catch-effort statistics for 1992 was published by MFRDMD in August 1997, followed by the second issue in 1998. This catch-effort statistics for 1994 is the third in the series which is still based on the original returns of the questionnaire.

On behalf of SEAFDEC, we would like to express our sincere appreciation to the Departments of Fisheries of Taiwan, Hong Kong, Brunei Darussalam, and Malaysia for the cooperation given in enabling us to compile and produce the catch-effort statistics for the region.



Ismail Taufid Md. Yusoff
Chief, SEAFDEC/MFRDMD
Kuala Terengganu.

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EXPLANATORY NOTES

1. General Notes

1-1 Data Collection

The data compiled in this Bulletin are, in principle, based upon the returns from the authority concerned in each country to a questionnaire prepared by the Marine Fishery Resources Development and Management Department, Southeast Asian Fisheries Development Center (SEAFDEC/MFRDMD).

1-2 Time Reference

Data in this Bulletin refer to the year 1994.

1-3 Unit of Catch

Catch quantity is shown in metric ton. However, there are some exceptions in the section of "III. Specific Data on catch-effort".

2. Notes on Statistics

2-1 Category of Statistics

- 1) Annual Catch-effort Statistics --- Annual catch and effort data broken down into fishing gear and boat size category are described (whole country and sub-areas).
- 2) Monthly Catch-effort Statistics --- Monthly catch and effort data broken down into fishing gear and boat size category are described (whole country and sub-areas).
- 3) Specific Data on Catch-effort --- Data which cannot be applied for above two categories are described.

2-2 Classification and Coverage of Fishing Gears

Catch-effort data of five types of fishing gear {(1)-(5)} as shown in the following table are compiled in this issue. # , Names of fishing gear recorded in the previous issue.

Major Group	Particular Name
1. Surrounding Net	(1) One boat purse seine ----- # Anchovy purse seine # Thai purse seine # Fish purse seine
2. Seine Net	-
3. Trawl	(2) Otter trawl (3) Pair trawl ----- # Beam trawl
4. Gill Net	(4) Drift gill net ----- # Spanish mackerel drift gill net # Mackerel encircling gill net
5. Lift Net	-
6. Trap	# Bamboo stake trap
7. Hook-and-line	(5) Longline
8. Push Net	# Engine boat push net
9. Shellfish and Seaweed Collecting Gear	-
10. Others	-

2-3 Classification of Fishing Boats

In Taiwan, fishing boats are classified into classes by their tonnage (GRT class), which comprise five categories i.e., (1) less than 10 tons, (2) from 10 to 20 tons, (3) from 20 to 50 tons, (4) from 50 to 100 tons, and (5) over 100 tons.

In Malaysia, fishing boats are classified into classes by their tonnage (GRT class), which comprise five categories i.e., (1) less than 10 tons, (2) from 10 to 25 tons, (3) from 25 to 40 tons, (4) from 40 to 70 tons, and (5) over 70 tons.

2-4 Coverage of Fishing Efforts

The units of fishing effort are classified for each class boat size.

- 1) Number of fishing units
- 2) Number of trips
- 3) Number of days
- 4) Number of hauls
- 5) Number of hours (operating hours are from start shooting until start hauling in trawling, and excluding searching hours for fish schools in purse seining)
- 6) Number of hooks (Longline only)

2-5 Others

Countries and sub-areas for the statistics, classification and code number of species, and list of marine species with codes of SEAFDEC and ISSCAAP (FAO) are shown in ANNEX.

DATA AVAILABILITY

1. Annual Catch-effort Statistics 1994

Catch and Fishing Effort by Type of Fishing Gear

One Boat Purse Seine: *Brunei* and *Malaysia*
Otter Trawl: *Brunei* and *Malaysia*
Drift Gill Net: *Malaysia*
Longline: *Malaysia*

Catch and Fishing Effort by Type of Fishing Gear and Size of Management

One Boat Purse Seine: *Taiwan* (Unit only)
Fish Purse Seine: *Malaysia*
Otter Trawl: *Taiwan* (Unit only) and *Malaysia*
Pair Trawl: *Taiwan* (Unit only)
Longline: *Taiwan* (Unit only)

2. Monthly Catch-effort Statistics 1994

Catch and Fishing Effort by Type of Fishing Gear and by Month

One Boat Purse Seine: *Taiwan* (Catch only) and *Brunei*
Otter Trawl: *Taiwan* (Catch only) and *Brunei*
Pair Trawl: *Taiwan* (Catch only)
Longline: *Taiwan* (Catch only)
All gear: *Malaysia* (Catch Only)

3. Specific Data on Catch-effort 1994

Hong Kong

Annual Catch and Effort by Type of Fishing Gear:

Purse Seine, Stern Trawl, Pair Trawl, Shrimp Trawl, Gill Net and Line.

ANNEX

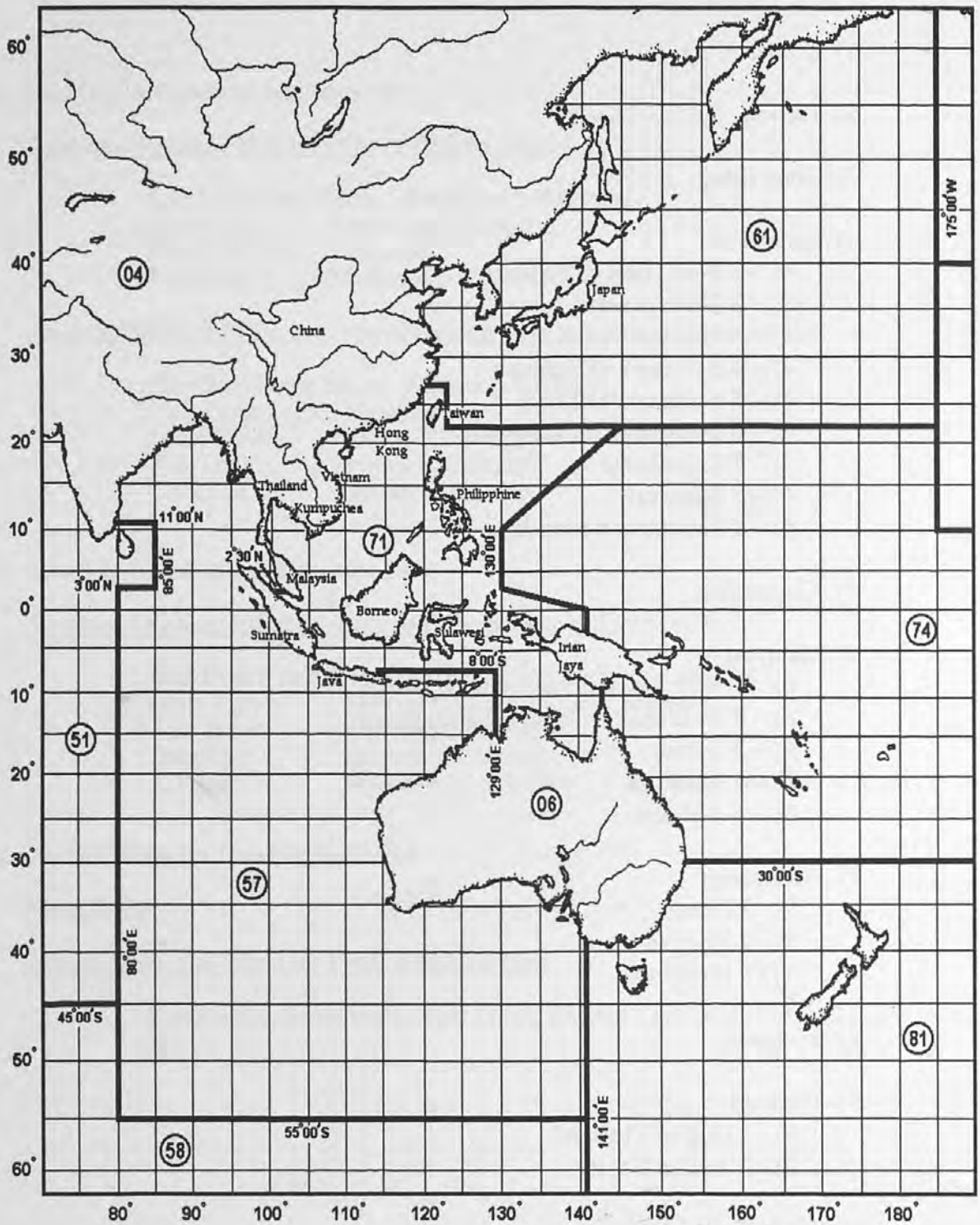
1. Countries and Sub-areas for the Statistics

Countries and sub-areas to be used in catch-effort statistics are as follows:

- 1) Brunei
- 2) Taiwan
- 3) Hong Kong
- 4) Indonesia
 - 4) - 1 West coast of Sumatra
 - 4) - 2 South coast of Java
 - 4) - 3 Malacca Straits
 - 4) - 4 East coast of Sumatra
 - 4) - 5 North coast of Java
 - 4) - 6 Bali and Nusa Tenggara
 - 4) - 7 Kalimantan
 - 4) - 8 Sulawesi
 - 4) - 9 Maluku and Irian Jaya
- 5) Kampuchea
- 6) Malaysia
 - 6) - 1 West coast of Peninsular Malaysia
 - 6) - 2 East coast of Peninsular Malaysia
 - 6) - 3 Sabah
 - 6) - 4 Sarawak
 - 6) - 5 Labuan
- 7) Philippines
 - 7) - 1 Luzon
 - 7) - 2 Visayas
 - 7) - 3 Mindanao
- 8) Singapore
- 9) Thailand
 - 9) - 1 Gulf of Thailand
 - 9) - 2 Indian Ocean
- 10) Viet Nam

In Specific Data on Catch-effort, some particular areas which are defined in the remarks are applied.

2. Major Fishing Areas for Statistical Purposes



3. Classification and Code Number of Species

1) Catch by Species

The catch should be broken down by species (group). The standard statistical classification of marine species was amended based on proposal made during the Seventh Regional Workshop on Fishery Statistics (1989) which were revised by taking comments into account from the countries after the Workshop.

2) Species Code Number

The species code number previously assigned by SEAFDEC Bulletin was changed from a “three-digit number” to “four-digit number”. The four-digit number will be added to the list to allow for further sub-division of the species groups when required.

3) Definition of Species Code Number

The first two digits show the group number taken from ISSCAAP (FAO Yearbook). This group number should not be changed, even if the ISSCAAP grouping has changed. The last two digits show the particular species within a group, starting from 01.

4) Names of Family

In all cases the family names of fish species have been taken from a single reference (Greenwood, P. H., D. E. Rosen, S. H. Weitzman and G. S. Myers. 1966. Phyletic studies of teleostean fishes, with a provisional classification of living forms. Bull. Amer. Mus. Nat. Hist., 131 (4): 339-456) to allow clear selection, without taxonomical confusion, of teleostean fishes.

5) English and Scientific Name

As the English names for species vary quite considerably, the species codes have been based on the scientific name of the species.

4. List of Marine Species with Species Codes of SEAFDEC and ISSCAAP (FAO)

ISSCAAP			SEAFDEC		
Div.	Group	Code	Name	Code No.	Family / Scientific name
2.	24. Shad, milkfish, etc.	CHG	1. Shads	2401	Clupeidae - <i>Anodontostoma chacunda</i>
		PEO			<i>Pellona ditchela</i>
	MIL	2. Milkfish	2402	Chanidae - <i>Chanos chanos</i>	
	25. Miscellaneous	GIP	1. Barramundi	2501	Centropomidae - <i>Lates calcalifer</i>
3.	31. Flounders, halibut, soles	LEF	1. Flounders	3101	Bothidae
		HPX	2. Indian halibuts	3102	Psettodidae
		TOX	3. Tongue soles	3103	Cynoglossidae
		SOX	4. Soles	3104	Soleidae
	33. Red fishes, bass, congers, etc.	CAX	1. Marine catfishes	3301	Ariidae
		CAE	2. Catfish eels	3302	Plotosidae - <i>Plotosus</i> spp.
		LSS	3. Lizard fishes	3303	Synodontidae - <i>Saurida</i> spp.
		PCX	4. Sharp-toothed pike eels and conger eels	3304	Muraenesocidae - <i>Muraenesox</i> spp. (including Congridae, Muraenidae and Synbranchidae)
		GPX	5. Groupers	3305	Serranidae - <i>Epinephelus</i> spp.
		WHS	6. Sillago whittings	3306	Sillaginide
		SNA	7. Red snappers	3307	Lutjanidae - <i>Lutjanus</i> spp. (<i>L. argentimaculatus</i> , <i>L. Sabae</i> , <i>L. malabaricus</i> , <i>L. sanguineus</i> , <i>L. altifrontalis</i>)
		SNX	8. Other snappers	3308	Lutjanidae - <i>Lutjanus</i> spp. (<i>L. johni</i> , <i>L. vitta</i> , <i>L. russelli</i> , <i>L. lineolatus</i> , <i>L. lutjanus</i> , <i>L. fulviflamma</i> , <i>L. monostigma</i>) <i>Pristipomoides</i> spp.
		FUS	9. Fusiliers	3309	Lutjanidae - <i>Caesio</i> spp.
		THB	10. Threadfin breams	3310	Nemipteridae - <i>Nemipterus</i> spp. (including <i>Scolopsis</i> spp.)
		PON	11. Pony fishes	3311	Leiognathidae
		GRX	12. Grunters and sweetlips	3312	Pomadasyidae
		CDX	13. Drums and croakers	3313	Sciaenidae
		GOX	14. Goatfishes	3314	Mullidae - <i>Upeneus</i> spp. (including <i>Parupeneus</i> spp.)
		ELL	15. Emperor breams	3315	Lethrinidae - <i>Lethrinus</i> spp. (including <i>Gymnocranius</i> spp.)
		BIG	16. Big-eye snappers	3316	Priacanthidae - <i>Priacanthus</i> spp.
SBX	17. Breams	3317	Sparidae		
TIS	18. Horseheads	3318	Branchiostegidae		
SPI	19. Rabbitfishes	3319	Siganidae - <i>Siganus</i> spp.		
DPX	20. Other species	3320	Main groups to be identified, if possible.		

ISSCAAP			SEAFDEC														
Div.	Group	Code	Name	Code No.	Family / Scientific name												
3.	34. Jacks, mullets, sauries, etc.	HAX	1. Half beaks and needlefishes	3401	Exocoetidae - <i>Hemirhamphus</i> spp.												
		NED				2. Barracudas	3402	Belonidae - <i>Tylosurus</i> spp.									
		BAR							3. Mulletts	3403	Sphyraenidae - <i>Sphyraena</i> spp.						
		MUL										4. Threadfins	3404	Mugilidae			
		THF													5. Round scads	3405	Polynemidae
		SDX																6. Jacks, cavalla and trevallies	3406	Carangidae - Decapterus spp.
		TRE	7. Selar scads	3407	Carangidae - <i>Caranx</i> spp. <i>Gnathanodon speciosus</i> (including <i>Alectis</i> spp. <i>Atropus atropus</i> , <i>Caranx chrysophrys</i> , <i>C. malabaricus</i> , <i>C. ignobilis</i>)												
		GLT				8. Hardtail scad	3408	Carangidae - <i>Selar crumenophthalmus</i> <i>Selaroides leptolepis</i> (including <i>Alepes</i> spp., <i>Selar</i> spp.)									
		BIS							9. Queenfishes	3409	Carangidae - <i>Megalaspis cordyla</i>						
		TRY										10. Black pomfret	3410	Carangidae - <i>Scomberoides</i> (= <i>Chorinemus</i>) spp.			
		HAS													11. White pomfrets	3411	Formionidae - <i>Formio niger</i>
		QUE																12. Other species	3412	Stromateidae - Pampus argenteus (including Pampus chinensis)
POB	Main groups to be identified, if possible.	3501	Clupeidae - <i>Sardinella</i> spp.														
SIP				35. Herrings, sardines, anchovies	3502	Clupeidae - <i>Dussumieria acute</i>											
PPX							3503	Engraulidae - <i>Stolephorus</i> spp.									
SIX									3504	Clupeoidei							
RAS											3505	Chirocentridae - <i>Chirocentrus dorab</i>					
STO													3601	Scombridae - <i>Katsuwonus pelamis</i>			
CLU	3602	Scombridae - <i>Thunnus albacares</i>															
DOB			3603	Scombridae - <i>Thunnus obesus</i>													
36. Tunas					3604	Scombridae - <i>Thunnus tonggol</i>											
							3605	Scombridae - <i>Thunnus alalunga</i>									
									3606	Scombridae - <i>Euthynnus affinis</i>							
	3607	Scombridae - <i>Auxis thazard</i> <i>Auxis rochei</i>															
			3608	Istiophoridae - <i>Istiophorus</i> spp. <i>Makaira</i> spp.													
					3609	Xiphiidae - <i>Xiphias</i> spp.											
							3610	Scombridae - <i>Scomberomorus commerson</i>									
									3701	Scombridae - <i>Scomberomorus guttatus</i> <i>Scomberomorus lineolatus</i>							
	3702	Scombridae - <i>Rastrelliger kanagurta</i> (including <i>Rastrelliger faughni</i>)															
			3703	Scombridae - <i>Rastrelliger brachysoma</i>													
Trichiuridae																	
					37. Mackerels	RAG	1. Indian mackerels	3701			Scombridae - <i>Rastrelliger kanagurta</i> (including <i>Rastrelliger faughni</i>)						
									RAB	2. Indo-Pacific mackerel		3702	Scombridae - <i>Rastrelliger brachysoma</i>				
	CUT	3. Hairtails												3703	Trichiuridae		

ISSCAAP			SEAFDEC		
Div.	Group	Code	Name	Code No.	Family / Scientific name
3.	38. Sharks and rays	SKH	1. Sharks	3801	Carcharhinidae, Sphyrnidae, Orectolobidae, etc.
		BAI	2. Rays	3802	Trygonidae, Sphyrnidae, Myliobatidae, etc.
	39. Miscellaneous	MZZ	1. Miscellaneous	3901	Mixed species
		MZZ	2. Trash fishes	3902	Mixed species
4.	42. Crabs	CRS	1. Swimming crabs	4201	Portunidae - <i>Portunus</i> spp.
		MUD	2. Mangrove crab	4202	Portunidae - <i>Scylla serrata</i>
	43. Lobsters	SLV	1. Spiny lobsters	4301	Palinuridae - <i>Panulirus</i> spp.
		SST	2. Slipper lobster	4302	Scyllaridae - <i>Thenus orientalis</i>
	45. Shrimps, prawns, etc.	GIT	1. Tiger prawn	4501	Penaenidae - <i>Penaeus monodon</i>
		PEN MET	2. Penaeid prawns	4502	Penaenidae - <i>Penaeus</i> spp. <i>Metapenaeus</i> spp.
		-	3. Other prawns	4503	Penaenidae - <i>Parapenaeopsis</i> spp. Other family (genus) names will be added.
	47. Miscellaneous maine crustaceans	CRU	1. Miscellaneous	4701	Mixed species
5.	55. Scallops, pectens, etc.	SCX	1. Scallops	5501	Pectinidae
	56. Cockles, clams	BLS	1. Blood cockle	5601	Arcidae - <i>Anadara</i> spp. <i>Anadara granosa</i>
		BLC MAT	2. Clams and cone shell	5602	Mactridae Other family names will be added.
	57. Cuttlefish, squid and octopus	CTL	1. Cuttlefishes	5701	Sepiidae, Sepiolidae
		SQC	2. Squids	5702	Loliginidae - <i>Loligo</i> spp.
		OCZ	3. Octopuses	5703	Octopodidae - <i>Octopus</i> spp.
	58. Miscellaneous marine molluscs	MOL	1. Miscellaneous	5801	Other molluscs
7.	76. Miscellaneous aquatic animals	JEL	1. Jellyfishes	7601	<i>Rhopilema</i> spp.

Species	Weight	Length	Sex	Age	Notes
Bluegill	1.2	100	M	1	
Bluegill	1.5	110	F	1	
Bluegill	1.8	120	M	1	
Bluegill	2.1	130	F	1	
Bluegill	2.4	140	M	1	
Bluegill	2.7	150	F	1	
Bluegill	3.0	160	M	1	
Bluegill	3.3	170	F	1	
Bluegill	3.6	180	M	1	
Bluegill	3.9	190	F	1	
Bluegill	4.2	200	M	1	
Bluegill	4.5	210	F	1	
Bluegill	4.8	220	M	1	
Bluegill	5.1	230	F	1	
Bluegill	5.4	240	M	1	
Bluegill	5.7	250	F	1	
Bluegill	6.0	260	M	1	
Bluegill	6.3	270	F	1	
Bluegill	6.6	280	M	1	
Bluegill	6.9	290	F	1	
Bluegill	7.2	300	M	1	
Bluegill	7.5	310	F	1	
Bluegill	7.8	320	M	1	
Bluegill	8.1	330	F	1	
Bluegill	8.4	340	M	1	
Bluegill	8.7	350	F	1	
Bluegill	9.0	360	M	1	
Bluegill	9.3	370	F	1	
Bluegill	9.6	380	M	1	
Bluegill	9.9	390	F	1	
Bluegill	10.2	400	M	1	
Bluegill	10.5	410	F	1	
Bluegill	10.8	420	M	1	
Bluegill	11.1	430	F	1	
Bluegill	11.4	440	M	1	
Bluegill	11.7	450	F	1	
Bluegill	12.0	460	M	1	
Bluegill	12.3	470	F	1	
Bluegill	12.6	480	M	1	
Bluegill	12.9	490	F	1	
Bluegill	13.2	500	M	1	
Bluegill	13.5	510	F	1	
Bluegill	13.8	520	M	1	
Bluegill	14.1	530	F	1	
Bluegill	14.4	540	M	1	
Bluegill	14.7	550	F	1	
Bluegill	15.0	560	M	1	
Bluegill	15.3	570	F	1	
Bluegill	15.6	580	M	1	
Bluegill	15.9	590	F	1	
Bluegill	16.2	600	M	1	
Bluegill	16.5	610	F	1	
Bluegill	16.8	620	M	1	
Bluegill	17.1	630	F	1	
Bluegill	17.4	640	M	1	
Bluegill	17.7	650	F	1	
Bluegill	18.0	660	M	1	
Bluegill	18.3	670	F	1	
Bluegill	18.6	680	M	1	
Bluegill	18.9	690	F	1	
Bluegill	19.2	700	M	1	
Bluegill	19.5	710	F	1	
Bluegill	19.8	720	M	1	
Bluegill	20.1	730	F	1	
Bluegill	20.4	740	M	1	
Bluegill	20.7	750	F	1	
Bluegill	21.0	760	M	1	
Bluegill	21.3	770	F	1	
Bluegill	21.6	780	M	1	
Bluegill	21.9	790	F	1	
Bluegill	22.2	800	M	1	
Bluegill	22.5	810	F	1	
Bluegill	22.8	820	M	1	
Bluegill	23.1	830	F	1	
Bluegill	23.4	840	M	1	
Bluegill	23.7	850	F	1	
Bluegill	24.0	860	M	1	
Bluegill	24.3	870	F	1	
Bluegill	24.6	880	M	1	
Bluegill	24.9	890	F	1	
Bluegill	25.2	900	M	1	
Bluegill	25.5	910	F	1	
Bluegill	25.8	920	M	1	
Bluegill	26.1	930	F	1	
Bluegill	26.4	940	M	1	
Bluegill	26.7	950	F	1	
Bluegill	27.0	960	M	1	
Bluegill	27.3	970	F	1	
Bluegill	27.6	980	M	1	
Bluegill	27.9	990	F	1	
Bluegill	28.2	1000	M	1	
Bluegill	28.5	1010	F	1	
Bluegill	28.8	1020	M	1	
Bluegill	29.1	1030	F	1	
Bluegill	29.4	1040	M	1	
Bluegill	29.7	1050	F	1	
Bluegill	30.0	1060	M	1	
Bluegill	30.3	1070	F	1	
Bluegill	30.6	1080	M	1	
Bluegill	30.9	1090	F	1	
Bluegill	31.2	1100	M	1	
Bluegill	31.5	1110	F	1	
Bluegill	31.8	1120	M	1	
Bluegill	32.1	1130	F	1	
Bluegill	32.4	1140	M	1	
Bluegill	32.7	1150	F	1	
Bluegill	33.0	1160	M	1	
Bluegill	33.3	1170	F	1	
Bluegill	33.6	1180	M	1	
Bluegill	33.9	1190	F	1	
Bluegill	34.2	1200	M	1	
Bluegill	34.5	1210	F	1	
Bluegill	34.8	1220	M	1	
Bluegill	35.1	1230	F	1	
Bluegill	35.4	1240	M	1	
Bluegill	35.7	1250	F	1	
Bluegill	36.0	1260	M	1	
Bluegill	36.3	1270	F	1	
Bluegill	36.6	1280	M	1	
Bluegill	36.9	1290	F	1	
Bluegill	37.2	1300	M	1	
Bluegill	37.5	1310	F	1	
Bluegill	37.8	1320	M	1	
Bluegill	38.1	1330	F	1	
Bluegill	38.4	1340	M	1	
Bluegill	38.7	1350	F	1	
Bluegill	39.0	1360	M	1	
Bluegill	39.3	1370	F	1	
Bluegill	39.6	1380	M	1	
Bluegill	39.9	1390	F	1	
Bluegill	40.2	1400	M	1	
Bluegill	40.5	1410	F	1	
Bluegill	40.8	1420	M	1	
Bluegill	41.1	1430	F	1	
Bluegill	41.4	1440	M	1	
Bluegill	41.7	1450	F	1	
Bluegill	42.0	1460	M	1	
Bluegill	42.3	1470	F	1	
Bluegill	42.6	1480	M	1	
Bluegill	42.9	1490	F	1	
Bluegill	43.2	1500	M	1	
Bluegill	43.5	1510	F	1	
Bluegill	43.8	1520	M	1	
Bluegill	44.1	1530	F	1	
Bluegill	44.4	1540	M	1	
Bluegill	44.7	1550	F	1	
Bluegill	45.0	1560	M	1	
Bluegill	45.3	1570	F	1	
Bluegill	45.6	1580	M	1	
Bluegill	45.9	1590	F	1	
Bluegill	46.2	1600	M	1	
Bluegill	46.5	1610	F	1	
Bluegill	46.8	1620	M	1	
Bluegill	47.1	1630	F	1	
Bluegill	47.4	1640	M	1	
Bluegill	47.7	1650	F	1	
Bluegill	48.0	1660	M	1	
Bluegill	48.3	1670	F	1	
Bluegill	48.6	1680	M	1	
Bluegill	48.9	1690	F	1	
Bluegill	49.2	1700	M	1	
Bluegill	49.5	1710	F	1	
Bluegill	49.8	1720	M	1	
Bluegill	50.1	1730	F	1	
Bluegill	50.4	1740	M	1	
Bluegill	50.7	1750	F	1	
Bluegill	51.0	1760	M	1	
Bluegill	51.3	1770	F	1	
Bluegill	51.6	1780	M	1	
Bluegill	51.9	1790	F	1	
Bluegill	52.2	1800	M	1	
Bluegill	52.5	1810	F	1	
Bluegill	52.8	1820	M	1	
Bluegill	53.1	1830	F	1	
Bluegill	53.4	1840	M	1	
Bluegill	53.7	1850	F	1	
Bluegill	54.0	1860	M	1	
Bluegill	54.3	1870	F	1	
Bluegill	54.6	1880	M	1	
Bluegill	54.9	1890	F	1	
Bluegill	55.2	1900	M	1	
Bluegill	55.5	1910	F	1	
Bluegill	55.8	1920	M	1	
Bluegill	56.1	1930	F	1	
Bluegill	56.4	1940	M	1	
Bluegill	56.7	1950	F	1	
Bluegill	57.0	1960	M	1	
Bluegill	57.3	1970	F	1	
Bluegill	57.6	1980	M	1	
Bluegill	57.9	1990	F	1	
Bluegill	58.2	2000	M	1	
Bluegill	58.5	2010	F	1	
Bluegill	58.8	2020	M	1	
Bluegill	59.1	2030	F	1	
Bluegill	59.4	2040	M	1	
Bluegill	59.7	2050	F	1	
Bluegill	60.0	2060	M	1	
Bluegill	60.3	2070	F	1	
Bluegill	60.6	2080	M	1	
Bluegill	60.9	2090	F	1	
Bluegill	61.2	2100	M	1	
Bluegill	61.5	2110	F	1	
Bluegill	61.8	2120	M	1	
Bluegill	62.1	2130	F	1	
Bluegill	62.4	2140	M	1	
Bluegill	62.7	2150	F	1	
Bluegill	63.0	2160	M	1	
Bluegill	63.3	2170	F	1	
Bluegill	63.6	2180	M	1	
Bluegill	63.9	2190	F	1	
Bluegill	64.2	2200	M	1	
Bluegill	64.5	2210	F	1	
Bluegill	64.8	2220	M	1	
Bluegill	65.1	2230	F	1	
Bluegill	65.4	2240	M	1	
Bluegill	65.7	2250	F	1	
Bluegill	66.0	2260	M	1	
Bluegill	66.3	2270	F	1	
Bluegill	66.6	2280	M	1	
Bluegill	66.9	2290	F	1	
Bluegill	67.2	2300	M	1	
Bluegill	67.5	2310	F	1	
Bluegill	67.8	2320	M	1	
Bluegill	68.1	2330	F	1	
Bluegill	68.4	2340	M	1	
Bluegill	68.7	2350	F	1	
Bluegill	69.0	2360	M	1	
Bluegill	69.3	2370	F	1	
Bluegill	69.6	2380	M	1	
Bluegill	69.9	2390	F	1	
Bluegill	70.2	2400	M	1	
Bluegill	70.5	2410	F	1	
Bluegill	70.8	2420	M	1	
Bluegill	71.1	2430	F	1	
Bluegill	71.4	2440	M	1	
Bluegill	71.7	2450	F	1	
Bluegill	72.0	2460	M	1	
Bluegill	72.3	2470	F	1	
Bluegill	72.6	2480	M	1	
Bluegill	72.9	2490	F	1	
Bluegill	73.2	2500	M	1	
Bluegill	73.5	2510	F	1	
Bluegill	73.8	2520	M	1	
Bluegill	74.1	2530	F	1	
Bluegill	74.4	2540	M	1	
Bluegill	74.7	2550	F	1	
Bluegill	75.0	2560	M	1	
Bluegill	75.3	2570	F	1	
Bluegill	75.6	2580	M	1	
Bluegill	75.9	2590	F	1	
Bluegill	76.2	2600	M	1	
Bluegill	76.5	2610	F	1	
Bluegill	76.8	2620	M	1	
Bluegill	77.1	2630	F	1	
Bluegill	77.4	2640	M	1	
Bluegill	77.7	2650	F	1	
Bluegill	78.0	2660	M	1	
Bluegill	78.3	2670	F	1	
Bluegill	78.6	2680	M	1	
Bluegill	78.9	2690	F	1	
Bluegill	79.2	2700	M	1	
Bluegill	79.5	2710	F	1	
Bluegill	79.8	2720	M	1	
Bluegill	80.1	2730	F	1	
Bluegill	80.4	2740	M	1	
Bluegill	80.7	2750	F	1	
Bluegill	81.0	2760	M	1	
Bluegill	81.3	2770	F	1	
Bluegill	81.6	2780	M	1	
Bluegill	81.9</				

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-1 Catch and Fishing Effort by Type of Fishing Gear

1-1-1 One Boat Purse Seine

(1) Brunei Darussalam

Sub-area : Zones 2-3

Units of fishing effort		Total
No. of fishing units		14
No. of trips		309
No. of days		309
No. of hauls		618
No. of hours		2,472
Total catch		66.54
Species (group)	Code No.	Total
Shads	2401	
Indian halibuts	3102	
Marine catfishes	3301	
Sharp-toothed p. & c. eels	3304	
Groupers	3305	
Red snappers	3307	
Other snappers	3308	
Fusiliers	3309	
Pony fishes	3311	
Grunters and sweetlips	3312	
Drums and croakers	3313	
Goatfishes	3314	
Breams	3317	
Other species	3320	
Barracudas	3402	
Mullets	3403	
Round scads	3405	3.92
Jack, cavalla, trevallies	3406	
Selar scads	3407	25.90
Hardtail scad	3408	
Queenfishes	3409	
Black pomfret	3410	4.04
White pomfret	3411	
Other species	3412	
Sardines	3501	1.51
Clupeoids	3504	
Wolf herring	3505	
Skipjack tuna	3601	0.21
Longtail tuna	3604	
Eastern little tuna	3606	0.38
Narrow-barrred king mackerel	3609	
Indian mackerels	3701	30.13
Indo-Pacific mackerel	3702	
Hairtails	3703	0.09
Sharks	3801	
Rays	3802	
Swimming crabs	4201	
Mangrove crabs	4202	
Tiger prawn	4501	
Panaeid prawns	4502	
Others prawn	4503	
Cuttlefishes	5701	
Squids	5702	
Octopus	5703	
OTHERS		0.36
TOTAL (Tonnes)		66.54

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-1 Catch and Fishing Effort by Type of Fishing Gear

1-1-2 Fish Purse Seine

(1) Malaysia

Sub-area		Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Units of fishing effort							
No. of fishing units		5,873	2,332	3,541			
No. of trips		64,891	29,199	35,692			
No. of days		97,404	43,619	53,785			
No. of hauls		223,819	82,683	141,136			
Total catch		156,246	39,749	84,515	24,467	2,197	5,318
Species (group)	Code No.	Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Shads	2401	168	168				
Milkfish	2501						
Barramundi	3101						
Tongue soles	3103						
Marine catfishes	3301	48	6	41	1		
Catfish eels	3302	2				2	
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Sillago whiting	3306						
Red snappers	3307	18	11	6	1		
Other snappers	3308						
Fusiliers	3309						
Threadfin breams	3310						
Pony fishes	3311	5		4	1		
Grunters and sweetlips	3312						
Drums and croakers	3313	10	7			3	
Goatfishes	3314						
Rabbitfishes	3319						
Other species	3320	4		4			
Barracudas	3402	184	4	45	37		98
Mulletts	3403	181	180			1	
Threadfins	3404	2	1			1	
Round scads	3405	49,681	6,738	35,980	6,405	40	518
Jack, cavalla, trevallies	3406	931	433	458	40		
Selar scads	3407	26,146	5,506	19,297	372	391	580
Hardtail Scad	3408	5,810	3,224	1,582	694	23	287
Queenfishes	3409	22	6	15		1	
Black pomfret	3410	1,230	623	203	9	166	229
Others species	3412	6	6				
Sardines	3501	22,563	1,725	11,964	7,898	194	782
Anchovies	3503						
Clupeoids	3504	30		12	18		
Wolf herring	3505	78	6	72			
Eastern little tuna	3606	9,043	2,532	3,364	1,918	84	1,145
Swordfishes, sail. & marl	3608						
King mackerels	3610	529	184	251	46	10	38
Indian mackerels	3701	30,518	14,429	9,831	4,206	463	1,589
Hairtails	3703	261	11	245	5		
Sharks	3801						
Rays	3802	2			2		
Miscellaneous fishes	3901	3,773	581	188	2,188	815	1
Trash fishes	3902	3,921	3,183	150	588		
Mangrove crab	4202						
Spiny lobsters	4301						
Tiger prawn	4501						
Penaeid prawns	4502	2	1			1	
Other prawns	4503	28	26			2	
Clams and cone shell	5602						
Cuttlefishes	5701	3			3		
Squids	5702	1,046	158	803	34		51
Octopuses	5703						
Miscellaneous m. molluscs	5801	1			1		
TOTAL (Tonnes)		156,246	39,749	84,515	24,467	2,197	5,318

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-1 Catch and Fishing Effort by Type of Fishing Gear

1-1-3 Otter Trawl (Demersal Trawl)

Size of boat : 64 ton

(1) Brunei Darussalam

Sub-area : Zones 2-3

Units of fishing effort		Total
No. of fishing units		204
No. of trips		3,123
No. of days		3,123
No. of hauls		11,920
No. of hours		23,554
Total catch		916.37
Species (group)	Code No.	Total
Shads	2401	4.43
Indian halibuts	3102	3.72
Marine catfishes	3301	0.90
Sharp-toothed p. & c. eels	3304	0.72
Groupers	3305	7.60
Red snappers	3307	24.00
Other snappers	3308	0.07
Fusiliers	3309	0.01
Pony fishes	3311	56.85
Grunters and sweetlips	3312	13.01
Drums and croakers	3313	32.35
Goatfishes	3314	5.74
Breams	3317	33.10
Other species	3320	154.02
Barracudas	3402	0.65
Mullets	3403	0.34
Round scads	3405	18.63
Jack, cavalla, trevallies	3406	39.27
Selar scads	3407	2.64
Hardtail scad	3408	12.18
Queenfishes	3409	15.33
Black pomfret	3410	1.25
White pomfret	3411	2.25
Other species	3412	160.88
Sardines	3501	0.27
Clupeoids	3504	1.84
Wolf herring	3505	
Skipjack tuna	3601	
Longtail tuna	3604	
Eastern little tuna	3606	0.13
Narrow-barred king mackerel	3609	10.99
Indian mackerels	3701	68.27
Indo-Pacific mackerel	3702	0.61
Hairtails	3703	5.77
Sharks	3801	35.73
Rays	3802	65.23
Swimming crabs	4201	0.08
Mangrove crabs	4202	0.02
Tiger prawn	4501	
Penaeid prawns	4502	62.08
Other prawns	4503	
Cuttlefishes	5701	0.89
Squids	5702	33.66
Octopus	5703	
OTHERS		40.86
TOTAL (Tonnes)		916.37

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-1 Catch and Fishing Effort by Type of Fishing Gear

1-1-3 Otter Trawl

(2) Malaysia

Month		Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Units of fishing effort		62,974	47,414	15,560			
No. of fishing units		886,225	737,458	148,767			
No. of trips		1,157,095	903,777	253,318			
No. of days		3,579,164	2,622,247	956,917			
No. of hauls		587,928	275,330	187,995	53,037	59,222	12,344
Total catch							
Species (group)	Code No.	Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Shads	2401	5,454	3,132	281	877	1,069	95
Barramundi	2501	7	3	3		1	
Flounders	3101	1,471	279	494	489	77	132
Tongue soles	3103	2,408	1,961	297	4	117	29
Marine catfishes	3301	6,349	2,295	1,979	588	1,289	198
Catfish eels	3302	158	146	3	1	8	
Lizard fishes	3303	8,091	5,430	2,068	593		
Sharp-toothed p. & c. eels	3304	2,027	888	139	421	578	1
Groupers	3305	2,371	1,291	628	186	94	172
Sillago whiting	3306	1,483	916	567			
Red snappers	3307	1,968	520	755	71	470	152
Othrs snappers	3308	3,909	710	2,425	234	106	434
Fusiliers	3309	103		11	4		88
Threadfin breams	3310	22,507	9,192	7,974	4,598	330	413
Pony fishes	3311	1,374	37	692	422	14	209
Grunters and sweetlips	3312	859	305	151	312	10	81
Drums and croakers	3313	12,202	6,831	1,692	1,047	2,341	291
Goatfishes	3314	7,059	2,139	3,258	622	770	270
Rabbitfishes	3319	309	44	193	10		62
Other species	3320	1,281	169	414	29	409	260
Barracudas	3402	2,087	549	567	640	162	169
Mulletts	3403	240	236	1	3		
Threadfins	3404	302	236	6	3	18	39
Round scads	3405	6,268	3,239	733	2,223	18	55
Jack, cavalla, trevallies	3406	2,944	644	855	777	151	517
Selar scads	3407	10,879	3,926	5,609	400	302	642
Hardtail scad	3408	8,391	6,175	1,162	608	318	128
Queenfishes	3409	479	223	47	122	87	
Black pomfret	3410	4,549	3,607	154	106	576	106
Others species	3412	307	83	224			
Sardines	3501	1,856	1,820	20		16	
Anchovies	3503	383	322	29	31	1	
Clupeoids	3504	17	8	6	3		
Wolf herring	3505	1,904	1,249	523	6	84	42
Eastern little tuna	3606	134	36	30	1	64	3
Swordfishes, sail. & marl	3608	7		7			
King mackerels	3610	3,345	1,718	762	168	579	118
Indian mackerels	3701	22,973	18,322	1,113	2,500	854	184
Hairtails	3703	4,827	2,707	1,208	87	825	
Sharks	3801	3,188	594	914	610	838	232
Rays	3802	9,632	3,565	3,536	877	1,410	244
Miscellaneous fishes	3901	32,636	7,052	11,384	4,684	8,497	10,119
Trash fishes	3902	290,641	139,891	107,799	14,508	24,704	3,739
Mangrove crab	4202	4,032	1,633	977	1,104	130	188
Spiny lobsters	4301	1,076	33	666	209	12	156
Tiger prawn	4501	698	135	150	221	9	183
Penaeid prawns	4502	10,978	3,368	1,905	3,568	1,584	553
Other prawns	4503	36,241	20,995	3,381	2,859	8,525	481
Clams and cone shell	5602	270		8	262		
Cuttlefishes	5701	14,162	5,454	6,762	1,480	101	365
Squids	5702	29,943	10,948	13,341	3,693	1,667	294
Octopuses	5703	518	274	92	152		
Miscellaneous m. molluscs	5801	631			624	7	
TOTAL (Tonnes)		587,928	275,330	187,995	53,037	59,222	12,344

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-1 Catch and Fishing Effort by Type of Fishing Gear

1-1-4 Drift Gill Net

(1) Malaysia

Month		Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
No. of fishing units		263,570	124,207	139,363			
No. of trips		2,071,261	1,844,086	227,175			
No. of days		2,141,139	1,908,977	232,162			
No. of hauls		5,869,077	5,103,806	765,271			
Total catch		145,657	73,171	11,927	33,659	23,101	3,799
Species (group)	Code No.	Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Shads	2401	9,633	7,019	39	1,462	1,042	71
Barramundi	2501	1,198	30		1,117	51	
Flounders	3101	297	5	15	102	64	111
Tongue soles	3103	852	754	57	11	30	
Marine catfishes	3301	5,013	1,933	296	1,140	1,455	189
Catfish eels	3302	1,338	177		1,148	13	
Lizard fishes	3303	38	38				
Sharp-toothed p. & c. eels	3304	631	313	3	66	249	
Groupers	3305	883	22	6	760	16	79
Sillago whiting	3306	501	207	259	35		
Red snappers	3307	1,272	5	1	1,210	56	
Othrs snappers	3308	1,298	73	117	931	17	160
Fusiliers	3309	195	8	1	62		124
Threadfin breams	3310	2,505	80	866	1,511	44	4
Pony fishes	3311	308	1	58	118	3	128
Grunters and sweetlips	3312	528	26	6	405	17	74
Drums and croakers	3313	4,901	3,771	518	308	302	2
Goatfishes	3314	2		2			
Rabbitfishes	3319	415	15	5	187		208
Other species	3320	372	46	7	69	19	231
Barracudas	3402	540	264	60	124	26	66
Mulletts	3403	3,774	1,133	43	2,503	15	80
Threadfins	3404	4,024	985	32	2,509	490	8
Round scads	3405	63	2	9		52	
Jack, cavalla, trevallies	3406	1,015	146	83	422	31	333
Selar scads	3407	1,856	101	1,059	415	252	29
Hardtail scad	3408	1,159	271	142	296	73	377
Queenfishes	3409	2,339	305	16	1,452	437	129
Black pomfret	3410	3,909	1,569	17	1,555	768	
Others species	3412	32	27	5			
Sardines	3501	2,752	308	57		2,387	
Anchovies	3503	231				231	
Clupeoids	3504	5			1	4	
Wolf herring	3505	2,135	1,049	698	13	347	28
Eastern little tuna	3606	6,187	371	1,174	3,362	963	317
Swordfishes, sail. & marl	3608	146	2		102		42
King mackerels	3610	8,302	3,292	688	2,793	1,281	248
Indian mackerels	3701	36,817	31,019	3,090	288	1,924	496
Hairtails	3703	972	122	472	70	302	6
Sharks	3801	2,786	98	324	1,112	1,170	82
Rays	3802	1,964	333	898	249	484	
Miscellaneous fishes	3901	7,371	2,521	299	904	3,472	175
Trash fishes	3902	5,786	5,783			3	
Mangrove crab	4202	1,492	1,227	53	105	105	2
Spiny lobsters	4301	108		107		1	
Tiger prawn	4501	31	9	6	16		
Penaeid prawns	4502	11,250	4,271	225	3,988	2,766	
Other prawns	4503	4,992	3,298	110	734	850	
Clams and cone shell	5602						
Cuttlefishes	5701	96	94		2		
Squids	5702	71	48	4	2	17	
Octopuses	5703						
Miscellaneous m. molluscs	5801	1,272				1,272	
TOTAL (Tonnes)		145,657	73,171	11,927	33,659	23,101	3,799

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-1 Catch and Fishing Effort by Type of Fishing Gear

1-1-5 Longline

(1) Malaysia

Month		Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Units of fishing effort							
No. of fishing units		21,822	9,430	12,392			
No. of trips		147,542	2,267	145,275			
No. of days		319,323	117,116	202,207			
No. of hauls		205,037	202,364	2,673			
Total catch		38,664	3,163	15,755	16,617	1,651	1,478
Species (group)	Code No.	Total	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Shads	2401						
Barramundi	2501	307	10		297		
Flounders	3101						
Tongue soles	3103						
Marine catfishes	3301	1,546	557	216	732	41	
Catfish eels	3302	228	76		142	10	
Lizard fishes	3303	2	1	1			
Sharp-toothed p. & c. eels	3304	750	524	8	188	30	
Groupers	3305	2,958	138	403	2,093	167	157
Sillago whiting	3306	64	64				
Red snappers	3307	2,266	42	655	947	383	239
Othrs snappers	3308	2,879	194	214	1,880	216	375
Fusiliers	3309	766		13	654		99
Threadfin breams	3310	1,448		832	556	49	11
Pony fishes	3311						
Grunters and sweetlips	3312	183	120	8	3		52
Drums and croakers	3313	65	49	16			
Goatfishes	3314	2		2			
Rabbitfishes	3319	24	5	2	9		8
Other species	3320	179	1	34	50	8	86
Barracudas	3402	945	59	72	814		
Mulletts	3403						
Threadfins	3404	324	38	1	285		
Round scads	3405	628		628			
Jack, cavalla, trevallies	3406	2,217	17	516	1469	34	181
Selar scads	3407	2,046		1,349	697		
Hardtail scad	3408	664		591	73		
Queenfishes	3409	164	22	4	136	2	
Black pomfret	3410	2		2			
Others species	3412	122	5	117			
Sardines	3501	66		44	22		
Anchovies	3503						
Clupeoids	3504						
Wolf herring	3505	30	1	29			
Eastern little tuna	3606	4,703		3,461	836	406	
Swordfishes, sail. & marl	3608	79		11	68		
King mackerels	3610	3,417	28	1,809	1,318	153	109
Indian mackerels	3701	1,105		592	419		94
Hairtails	3703	5		5			
Sharks	3801	876	64	150	651	10	1
Rays	3802	2,230	1,120	509	551	50	
Miscellaneous fishes	3901	1,532	28	68	1278	92	66
Trash fishes	3902						
Mangrove crab	4202						
Spiny lobsters	4301						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Clams and cone shell	5602						
Cuttlefishes	5701	197		1	196		
Squids	5702	3,538		3,392	146		
Octopuses	5703	80			80		
Miscellaneous m. molluscs	5801	27			27		
TOTAL (Tonnes)		38,664	3,163	15,755	16,617	1,651	1,478

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and by Size of Management

1-2-1 One Boat Purse Seine (Purse Seine for Tuna +Purse Seine for Mackerel)

(1) Taiwan

Size of boat		Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
No. of fishing units		241	110	42		17	72
No. of trips							
No. of days							
No. of hauls							
Total catch		253,672					
Species (group)	Code No.	Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
Barramundi	3101						
Marine catfishes	3301						
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Sillago whiting	3306						
Red snappers	3307						
Threadfin breems	3310						
Drums and croakers	3313						
Goatfishes	3314						
Empror breems	3315						
Big-eye snappers	3316						
Breems	3317						
Horseheads	3318						
Barracudas	3402						
Mulletts	3403						
Threadfins	3404						
Jack, cavalla, trevallies	3406	18,949					
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410						
White pomfret	3411	1					
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601	135,438					
Yellowfin tuna	3602	45,840					
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607	34					
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609						
King mackerels	3610						
Indo-Pacific mackerel	3702	52,993					
Hairtails	3703						
Sharks	3801						
Rays	3802						
Miscellaneous fishes	3901	354					
Swimming crabs	4201						
Slipper lobster	4302						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Miscellaneous	4701						
Cuttlefishes	5701						
Squids	5702	63					
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		253,672					

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and by Size of Management

1-2-2 Fish Purse Seine

(1) Malaysia

Sub-area : West Coast of Peninsular

Size of boat		Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
No. of fishing units		2,332	60	12	677	1,290	293
No. of trips		29,199	1,165	224	12,100	14,588	1,122
No. of days		43,619	1,165	224	12,100	24,963	5,167
No. of hauls		82,683	9,705	672	28,262	40,679	3,365
Total catch		39,749	1,816	121	11,096	19,084	7,632
Species (group)	Code No.	Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Shads	2401	168		13	142	10	3
Barramundi	2501						
Flounders	3101						
Tongue soles	3103						
Marine catfishes	3301	6	1		5		
Catfish eels	3302						
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Sillago whiting	3306						
Red snappers	3307	11				11	
Other snappers	3308						
Fusiliers	3309						
Threadfin breams	3310						
Pony fishes	3311						
Grunters and sweetlips	3312						
Drums and croakers	3313	7	4			3	
Goatfishes	3314						
Rabbitfishes	3319						
Other species	3320						
Barracudas	3402	4				4	
Mulletts	3403	180	133	4	43		
Threadfins	3404	1	1				
Round scads	3405	6,738			2003	2422	2313
Jack, cavalla, trevallies	3406	433			44	297	92
Selar scads	3407	5,506			725	3738	1043
Hardtail scad	3408	3,224			515	1990	719
Queenfishes	3409	6			6		
Black pomfret	3410	623	3		181	352	87
Others species	3412	6			6		
Sardines	3501	1,725		9	803	534	379
Anchovies	3503						
Clupeoids	3504						
Wolf herring	3505	6			1		5
Eastern little tuna	3606	2,532			169	1798	565
Swordfishes, sail. & marl.	3608						
King mackerels	3610	184	1		37	26	120
Indian mackerels	3701	14,429	125	58	5438	7386	1422
Hairtails	3703	11					11
Sharks	3801						
Rays	3802						
Miscellaneous fishes	3901	581	3		200	136	242
Trash fishes	3902	3,183	1,544	37	707	291	604
Mangrove crab	4202						
Spiny lobsters	4301						
Tiger prawn	4501						
Penaeid prawns	4502	1	1				
Other prawns	4503	26				26	
Clams and cone shell	5602						
Cuttlefishes	5701						
Squids	5702	158			71	60	27
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		39,749	1,816	121	11,096	19,084	7,632

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and by Size of Management

1-2-2 Fish Purse Seine

(1) Malaysia

Sub-area : East Coast of Peninsular

Size of boat		Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Units of fishing effort							
No. of fishing units		3,541		1,134	505	1,056	846
No. of trips		35,692		17,390	6,065	9,868	2,369
No. of days		53,785		17,596	7,421	14,962	13,806
No. of hauls		141,136		51,500	25,919	38,512	25,205
Total catch		84,515		20,609	14,022	24,856	25,028
Species (group)	Code No.	Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Shads	2401						
Barramundi	2501						
Flounders	3101						
Tongue soles	3103						
Marine catfishes	3301	41			41		
Catfish eels	3302						
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Sillago whiting	3306						
Red snappers	3307	6				1	5
Other snappers	3308						
Fusiliers	3309						
Threadfin breams	3310						
Pony fishes	3311	4					4
Grunters and sweetlips	3312						
Drums and croakers	3313						
Goatfishes	3314						
Rabbitfishes	3319						
Other species	3320	4		4			
Barracudas	3402	45		20	9	15	1
Mulletts	3403						
Threadfins	3404						
Round scads	3405	35,980		5422	4416	8995	17147
Jack, cavalla, trevallies	3406	458		75	58	187	138
Selar scads	3407	19,297		5888	3843	6091	3475
Hardtail scad	3408	1,582		137	181	541	723
Queenfishes	3409	15		7	3		5
Black pomfret	3410	203		64	3	20	116
Others species	3412						
Sardines	3501	11,964		4265	2511	4006	1182
Anchovies	3503						
Clupeoids	3504	12		4	3	5	
Wolf herring	3505	72		48	14	10	
Eastern little tuna	3606	3,364		584	522	1090	1168
Swordfishes, sail. & marl.	3608						
King mackerels	3610	251		89	152	8	2
Indian mackerels	3701	9,831		3514	1942	3464	911
Hairtails	3703	245		98	86	60	1
Sharks	3801						
Rays	3802						
Miscellaneous fishes	3901	188		11	15	135	27
Trash fishes	3902	150			3	25	122
Mangrove crab	4202						
Spiny lobsters	4301						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Clams and cone shell	5602						
Cuttlefishes	5701						
Squids	5702	803		379	220	203	1
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		84,515		20,609	14,022	24,856	25,028

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and by Size of Management

1-2-3 Otter Trawl

(1) Taiwan

Size of boat		Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
No. of fishing units		2,357	315	426	534	600	482
No. of trips							
No. of days							
No. of hauls							
Total catch		112,129					
Species (group)	Code No.	Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
Barramundi	3101	94					
Marine catfishes	3301	292					
Lizard fishes	3303	1,714					
Sharp-toothed p. & c. eels	3304	4,194					
Groupers	3305	525					
Sillago whiting	3306	208					
Red snappers	3307	949					
Threadfin breams	3310	1,846					
Drums and croakers	3313	6,151					
Goatfishes	3314	448					
Empror breams	3315	65					
Big-eye snappers	3316	1,928					
Breams	3317	2,010					
Horseheads	3318	542					
Barracudas	3402	308					
Mulletts	3403	32					
Threadfins	3404	1,717					
Jack, cavalla, trevallies	3406	2,179					
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	480					
White pomfret	3411	1,630					
Sardines	3501	1					
Anchovies	3503						
Skipjack tuna	3601						
Yellowfin tuna	3602						
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607	104					
Swordfishes, sail. & marl.	3608	10					
Narrow-barred king mackerel	3609	421					
King mackerels	3610	314					
Indo-Pacific mackerel	3702	254					
Hairtails	3703	9,469					
Sharks	3801	3,465					
Rays	3802	126					
Miscellaneous fishes	3901	35,425					
Swimming crabs	4201	1,580					
Slipper lobster	4302	128					
Tiger prawn	4501	23					
Penaeid prawns	4502	2,155					
Other prawns	4503	18,389					
Miscellaneous	4701	2,522					
Cuttlefishes	5701	5,084					
Squids	5702	4,611					
Octopuses	5703	440					
Miscellaneous m. molluscs	5801	296					
TOTAL (Tonnes)		112,129					

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and Size of Management

1-2-3 Otter Trawl

(2) Malaysia

Sub-area : West Coast of Peninsular

Size of boat		Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Units of fishing effort							
No. of fishing units		47,414	8,078	24,945	7,875	5,542	974
No. of trips		737,458	134,709	466,400	93,178	40,414	2,757
No. of days		903,777	134,709	480,645	154,195	115,972	18,256
No. of hauls		2,622,247	300,999	1,373,127	485,694	405,034	57,393
Total catch		275,330	13,661	67,859	79,577	93,495	20,738
Species (group)	Code No.	Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Shads	2401	3,132	27	950	1,030	977	148
Barramundi	2501	3		2	1		
Flounders	3101	279	9	18	87	140	25
Tongue soles	3103	1,961	133	824	435	488	81
Marine catfishes	3301	2,295	34	221	1,193	657	190
Catfish eels	3302	146	12	53	31	29	21
Lizard fishes	3303	5,430	41	100	670	3,353	1,266
Sharp-toothed p. & c. eels	3304	888	51	311	235	249	42
Groupers	3305	1,291	36	170	361	581	143
Sillago whiting	3306	916	16	103	269	457	71
Red snappers	3307	520	1	11	70	388	50
Other snappers	3308	710	1	50	131	483	45
Fusiliers	3309						
Threadfin breams	3310	9,192	84	501	2,209	5,153	1,245
Pony fishes	3311	37		1	24	11	1
Grunters and sweetlips	3312	305	1	29	138	118	19
Drums and croakers	3313	6,831	276	1,938	2,768	1,627	222
Goatfishes	3314	2,139	4	100	799	1,049	187
Rabbitfishes	3319	44			6	31	7
Other species	3320	169		15	41	91	22
Barracudas	3402	549	17	72	237	169	54
Mulletts	3403	236	70	100	51	14	1
Threadfins	3404	236	9	78	103	40	6
Round scads	3405	3,239			293	2881	65
Jack, cavalla, trevallies	3406	644	4	48	227	300	65
Selar scads	3407	3,926	9	163	1037	2368	349
Hardtail scad	3408	6,175	9	203	1940	3637	386
Queenfishes	3409	223	1	53	114	51	4
Black pomfret	3410	3,607	123	930	1464	919	171
Others species	3412	83	1	14	22	38	8
Sardines	3501	1,820	16	426	888	471	19
Anchovies	3503	322	5	309	8		
Clupeoids	3504	8			3	5	
Wolf herring	3505	1,249	30	338	485	355	41
Eastern little tuna	3606	36			17	16	3
Swordfishes, sail. & marl.	3608						
King mackerels	3610	1,718	13	284	677	650	94
Indian mackerels	3701	18,322	65	1866	8369	7150	872
Hairtails	3703	2,707	22	227	1,082	1,007	369
Sharks	3801	594	15	63	214	247	55
Rays	3802	3,565	201	585	948	1,316	515
Miscellaneous fishes	3901	7,052	371	1328	983	2954	1416
Trash fishes	3902	139,891	7,480	33,782	42,002	45,512	11,115
Mangrove crab	4202	1,633	138	803	393	251	48
Spiny lobsters	4301	33		1	12	16	4
Tiger prawn	4501	135	7	23	45	47	13
Penaeid prawns	4502	3,368	700	2,212	329	103	24
Other prawns	4503	20,995	3,279	16,420	846	363	87
Clams and cone shell	5602						
Cuttlefishes	5701	5,454	198	1,164	1,724	1,947	421
Squids	5702	10,948	85	904	4501	4718	740
Octopuses	5703	274	67	66	65	68	8
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		275,330	13,661	67,859	79,577	93,495	20,738

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and Size of Management

1-2-3 Otter Trawl

(2) Malaysia

Sub-area : East Coast of Peninsular

Size of boat		Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Units of fishing effort							
No. of fishing units		15,560	3,161	5,627	2,923	2,226	1,623
No. of trips		148,767	46,913	78,311	12,122	7,216	4,205
No. of days		253,318	47,416	85,317	52,151	41,959	31,475
No. of hauls		956,917	141,183	366,538	215,141	155,385	108,670
Total catch		187,995	8,057	33,796	51,475	50,189	44,478
Species (group)	Code No.	Total	Less than 10 tons	10-25 tons	25-40 tons	40-70 tons	More than 70 tons
Shads	2401	281	1	5	8	7	260
Barramundi	2501	3			2	1	
Flounders	3101	494	17	169	130	103	75
Tongue soles	3103	297	52	162	53	23	7
Marine catfishes	3301	1,979	47	630	485	441	376
Catfish eels	3302	3			1		2
Lizard fishes	3303	2,068	17	456	497	304	794
Sharp-toothed p. & c. eels	3304	139	8	29	40	34	28
Groupers	3305	628	2	82	134	150	260
Sillago whiting	3306	567	46	170	173	127	51
Red snappers	3307	755	1	53	115	179	407
Other snappers	3308	2,425	27	770	494	462	672
Fusiliers	3309	11			1	3	7
Threadfin breams	3310	7,974	35	1,632	1,894	2,021	2,392
Pony fishes	3311	692	15	437	157	43	40
Grunters and sweetlips	3312	151	1	68	29	23	30
Drums and croakers	3313	1,692	107	694	541	287	63
Goatfishes	3314	3,258	24	1,693	731	396	414
Rabbitfishes	3319	193	2	11	42	66	72
Others species	3320	414	3	55	93	117	146
Barracudas	3402	567	7	160	194	119	87
Mullets	3403	1					1
Threadfins	3404	6		2	2		2
Round scads	3405	733		120	93	194	326
Jack, cavalla, trevallies	3406	855	2	101	254	226	272
Selar scads	3407	5,609	28	573	1731	1900	1377
Hardtail scad	3408	1,162	1	9	375	407	370
Queenfishes	3409	47	1		28	14	4
Black pomfret	3410	154	9	29	48	42	26
Other species	3412	224		4	71	94	55
Sardines	3501	20		3	3	2	12
Anchovies	3503	29		10	9	8	2
Clupeoids	3504	6					6
Wolf herring	3505	523	19	126	180	137	61
Eastern little tuna	3606	30			3	9	18
Swordfishes, sail. & marl.	3608	7			5	1	1
King mackerels	3610	762	2	37	265	263	195
Indian mackerels	3701	1,113	1	18	411	378	305
Hairtails	3703	1,208	25	343	269	294	277
Sharks	3801	914	31	181	275	269	158
Rays	3802	3,536	199	1,014	1,104	824	395
Miscellaneous fishes	3901	11,384	86	2447	1894	2640	4317
Trash fishes	3902	107,799	5,096	15,249	31,312	30,834	25,308
Mangrove crab	4202	977	142	246	287	225	77
Spiny lobsters	4301	666	27	170	176	172	121
Tiger prawn	4501	150	28	57	42	23	
Penaeid prawns	4502	1,905	620	1,025	212	44	4
Other prawns	4503	3,381	865	1,505	602	375	34
Clams and cone shell	5602	8			7	1	
Cuttlefishes	5701	6,762	228	990	1,960	2,007	1,577
Squids	5702	13,341	215	2237	4036	3881	2972
Octopuses	5703	92	20	24	7	19	22
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		187,995	8,057	33,796	51,475	50,189	44,478

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and by Size of Management

1-2-4 Pair Trawl

(1) Taiwan

Size of boat		Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
Units of fishing effort							
No. of fishing units		125					
No. of trips							
No. of days							
No. of hauls							
Total catch		59,952					
Species (group)	Code No.	Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
Barramundi	3101						
Marine catfishes	3301						
Lizard fishes	3303	2,481					
Sharp-toothed p. & c. eels	3304	757					
Groupers	3305	1,830					
Sillago whiting	3306	202					
Red snappers	3307	2,394					
Threadfin breams	3310	1,991					
Drums and croakers	3313	2,029					
Goatfishes	3314	164					
Empror breams	3315	158					
Big-eye snappers	3316	336					
Breams	3317	144					
Horseheads	3318	15					
Barracudas	3402	243					
Mulletts	3403						
Threadfins	3404	2,467					
Jack, cavalla, trevallies	3406						
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	2,059					
White pomfret	3411	6					
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601						
Yellowfin tuna	3602						
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607						
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609						
King mackerels	3610						
Indo-Pacific mackerel	3702						
Hairtails	3703	6,602					
Sharks	3801	5,507					
Rays	3802	109					
Miscellaneous fishes	3901	18,922					
Swimming crabs	4201						
Slipper lobster	4302	105					
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503	514					
Miscellaneous	4701	137					
Cuttlefishes	5701	4,392					
Squids	5702	5,977					
Octopuses	5703	411					
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		59,952					

1 ANNUAL CATCH-EFFORT STATISTICS 1994

1-2 Catch and Fishing Effort by Type of Fishing Gear and Size of Management

1-2-5 Longline

(1) Taiwan

Size of boat		Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
No. of fishing units		4,453	1,399	849	1,158	565	482
No. of trips							
No. of days							
No. of hauls							
Total catch		52,296					
Species (group)	Code No.	Total	Less than 10 tons	10-20 tons	20-50 tons	50-100 tons	More than 100 tons
Barramundi	3101	1					
Marine catfishes	3301	10					
Lizard fishes	3303	87					
Sharp-toothed p. & c. eels	3304	6					
Groupers	3305	113					
Sillago whiting	3306						
Red snappers	3307	2					
Threadfin breams	3310	140					
Drums and croakers	3313	2,020					
Goatfishes	3314						
Empror breams	3315	13					
Big-eye snappers	3316	123					
Breams	3317	3,013					
Horseheads	3318	695					
Barracudas	3402	7					
Mullets	3403						
Threadfins	3404	20					
Jack, cavalla, trevallies	3406	185					
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	57					
White pomfret	3411	1,040					
Sardines	3501	1					
Anchovies	3503						
Skipjack tuna	3601	274					
Yellowfin tuna	3602	14,381					
Big-eye tuna	3603	2,123					
Albacore	3605	2,795					
Frigate and bullet tuna	3607	155					
Swordfishes, sail. & marl.	3608	8,397					
Narrow-barred king mackerel	3609	147					
King mackerels	3610	20					
Indo-Pacific mackerel	3702						
Hairtails	3703						
Sharks	3801	5,841					
Rays	3802	99					
Miscellaneous fishes	3901	10,381					
Swimming crabs	4201						
Slipper lobster	4302						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Miscellaneous	4701						
Cuttlefishes	5701						
Squids	5702	150					
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		52,296					

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-1 One Boat Purse Seine

(1) Taiwan

Units of fishing effort		Month					
		January	February	March	April	May	June
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		21,045	17,368	18,005	20,766	24,376	21,100
Species (group)	Code No.	January	February	March	April	May	June
Barramundi	3101						
Marine catfishes	3301						
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Sillago whiting	3306						
Red snappers	3307						
Threadfin breams	3310						
Drums and croakers	3313						
Goatfishes	3314						
Empror breams	3315						
Big-eye snappers	3316						
Breams	3317						
Horseheads	3318						
Barracudas	3402						
Mulletts	3403						
Threadfins	3404						
Jack, cavalla, trevallies	3406	32		1,890	2,706	2,504	2,175
Hardtail Scad	3408						
Queenfishes	3409						
Black pomfret	3410						
White pomfret	3411						1
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601	12,580	11,723	10,305	9,836	12,300	11,400
Yellowfin tuna	3602	3,772	3,740	3,755	3,747	3,910	3,798
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607	2	2	3	3	3	3
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609						
King mackerels	3610						
Indo-Pacific mackerel	3702	4,635	1,883	2,012	4,442	5,623	3,685
Hairtails	3703						
Sharks	3801						
Rays	3802						
Miscellaneous fishes	3901	24	20	40	32	36	38
Swimming crabs	4201						
Slipper lobster	4302						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Miscellaneous	4701						
Cuttlefishes	5701						
Squids	5702						
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		21,045	17,368	18,005	20,766	24,376	21,100

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-1 One Boat Purse Seine

(1) Taiwan

		Month					
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		19,749	22,108	23,507	22,944	21,739	20,965
Species (group)	Code No.	July	August	September	October	November	December
Barramundi	3101						
Marine catfishes	3301						
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Sillago whiting	3306						
Red snappers	3307						
Threadfin breams	3310						
Drums and croakers	3313						
Goatfishes	3314						
Empror breams	3315						
Big-eye snappers	3316						
Breams	3317						
Horseheads	3318						
Barracudas	3402						
Mullets	3403						
Threadfins	3404						
Jack, cavalla, trevallies	3406	604	541	4,624	864	2,310	699
Hardtail Scad	3408						
Queenfishes	3409						
Black pomfret	3410						
White pomfret	3411						
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601	10,027	13,850	13,650	12,786	9,985	6,996
Yellowfin tuna	3602	3,806	3,982	3,904	3,838	3,741	3,847
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607	3	3	3	3	3	3
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609						
King mackerels	3610						
Indo-Pacific mackerel	3702	5,272	3,729	1,264	5,395	5,668	9,385
Hairtails	3703						
Sharks	3801						
Rays	3802						
Miscellaneous fishes	3901	37	3	29	28	32	35
Swimming crabs	4201						
Slipper lobster	4302						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Miscellaneous	4701						
Cuttlefishes	5701						
Squids	5702			33	30		
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		19,749	22,108	23,507	22,944	21,739	20,965

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-1 One Boat Purse Seine

(2) Brunei Darussalam

Sub-area : Zones 2-3

		Month					
		January	February	March	April	May	June
Units of fishing effort							
No. of fishing units		2	2	2	2	2	2
No. of trips		53	25	54	55	53	48
No. of days		53	25	54	55	53	48
No. of hauls		106	50	108	110	106	96
No. of hours		424	200	432	440	424	384
Total catch		10.83	9.65	11.35	18.50	8.37	6.64
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401						
Indian halibuts	3102						
Marine catfishes	3301						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Red snappers	3307						
Other snappers	3308						
Fusiliers	3309						
Pony fishes	3311						
Grunters and sweetlips	3312						
Drums and croakers	3313						
Goatfishes	3314						
Breams	3317						
Other species	3320						
Barracudas	3402						
Mulletts	3403						
Round scads	3405		0.02	1.47	0.32	0.90	0.98
Jack, cavalla, trevallies	3406						
Selar scads	3407	5.76	4.09	3.31	9.78	1.66	0.93
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	0.09	0.05	3.90			
White pomfret	3411						
Other species	3412						
Sardines	3501	0.88		0.05		0.51	0.07
Clupeoids	3504						
Wolf herring	3505						
Skipjack tuna	3601	0.05	0.07			0.09	
Longtail tuna	3604						
Eastern little tuna	3606	0.11			0.02		0.23
Narrow-barred king mackerel	3609						
Indian mackerels	3701	3.94	5.42	2.62	8.02	5.21	4.34
Indo-Pacific mackerel	3702						
Hairtails	3703						0.09
Sharks	3801						
Rays	3802						
Swimming crabs	4201						
Mangrove crab	4202						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4502						
Cuttlefishes	5701						
Squids	5702						
Octopus	5703						
OTHERS					0.36		
TOTAL (Tonnes)		10.83	9.65	11.35	18.50	8.37	6.64

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-1 One Boat Purse Seine

(2) Brunei Darussalam

Sub-area : Zones 2-3

		Month					
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units		2					
No. of trips		21					
No. of days		21					
No. of hauls		42					
No. of hours		168					
Total catch		1.20					
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401						
Indian halibuts	3102						
Marine catfishes	3301						
Sharp-toothed p. & c. eels	3304						
Groupers	3305						
Red snappers	3307						
Other snappers	3308						
Fusiliers	3309						
Pony fishes	3311						
Grunters and sweetlips	3312						
Drums and croakers	3313						
Goatfishes	3314						
Breams	3317						
Other species	3320						
Barracudas	3402						
Mullets	3403						
Round scads	3405	0.23					
Jack, cavalla, trevallies	3406						
Selar scads	3407	0.37					
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410						
White pomfret	3411						
Other species	3412						
Sardines	3501						
Clupeoids	3504						
Wolf herring	3505						
Skipjack tuna	3601						
Longtail tuna	3604						
Eastern little tuna	3606	0.02					
Narrow-barred king mackerel	3609						
Indian mackerels	3701	0.58					
Indo-Pacific mackerel	3702						
Hairtails	3703						
Sharks	3801						
Rays	3802						
Swimming crabs	4201						
Mangrove crab	4202						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4505						
Cuttlefishes	5701						
Squids	5702						
Octopus	5703						
OTHERS							
TOTAL (Tonnes)		1.20					

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-2 Otter Trawl

(1) Taiwan

		Month					
		January	February	March	April	May	June
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		9,825	8,012	8,274	10,256	10,554	8,340
Species (group)	Code No.	January	February	March	April	May	June
Barramundi	3101		9	6	9	10	7
Marine catfishes	3301	29	23	29	60	55	16
Lizard fishes	3303	290	162	130	234	191	169
Sharp-toothed p. & c. eels	3304	231	455	197	230	216	477
Groupers	3305	66	56	48	91	128	23
Sillago whiting	3306	17	40	36	43	29	43
Red snappers	3307	55	46	66	159	240	207
Threadfin breams	3310	165	76	176	219	502	191
Drums and croakers	3313	366	354	578	549	994	526
Goatfishes	3314	31	32	45	54	49	37
Empror breams	3315	2		2	3	15	12
Big-eye snappers	3316	181	109	190	207	239	99
Breams	3317	124	107	104	136	860	120
Horseheads	3318	8	6	45	16	257	44
Barracudas	3402	35	18	29	53	51	27
Mulletts	3403	8	3	2	2	2	1
Threadfins	3404	175	131	144	162	137	197
Jack, cavalla, trevallies	3406	149	524	133	202	237	179
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	30	19	45	45	50	41
White pomfret	3411	153	148	27	174	170	142
Sardines	3501					1	
Anchovies	3503						
Skipjack tuna	3601						
Yellowfin tuna	3602						
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607		6	6	7	8	8
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609		52	39	31	33	39
King mackerels	3610		24	26	24	29	28
Indo-Pacific mackerel	3702		14	35	53	17	26
Hairtails	3703	873		857	1,009	674	773
Sharks	3801	273	177	229	347	391	305
Rays	3802	27	18	3	6	16	15
Miscellaneous fishes	3901	2,840	2,951	2,777	3,761	3,170	2,893
Swimming crabs	4201		93	44	61	28	42
Slipper lobster	4302	8	7		11	25	33
Tiger prawn	4501	1		1	2		
Penaeid prawns	4502	336	142	122	151	75	98
Other prawns	4503	2,155	1,429	1,368	1,231	810	703
Miscellaneous	4701	170	216	211	163	196	178
Cuttlefishes	5701	508	406	315	305	332	315
Squids	5702	470	159	170	373	282	286
Octopuses	5703	43		24	31	16	18
Miscellaneous m. molluscs	5801	6		15	42	19	22
TOTAL (Tonnes)		9,825	8,012	8,274	10,256	10,554	8,340

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-2 Otter Trawl

(1) Taiwan

Month		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls		8,490	7,677	8,414	8,258	10,963	13,066
Total catch							
Species (group)	Code No.	July	August	September	October	November	December
Barramundi	3101	9	7	8	10	10	9
Marine catfishes	3301	13	17	16	12	10	12
Lizard fishes	3303	56	51	123	59	75	174
Sharp-toothed p. & c. eels	3304	403	229	181	232	583	760
Groupers	3305	5	61	30	2	2	13
Sillago whiting	3306						
Red snappers	3307	34	12	41	6	28	55
Threadfin breams	3310	104	60	86	93	79	95
Drums and croakers	3313	423	426	423	706	346	460
Goatfishes	3314	37	33	29	48	25	28
Empror breams	3315	2	1	21	2	3	2
Big-eye snappers	3316	111	139	115	103	223	212
Breams	3317	135	84	90	86	92	72
Horseheads	3318	34	21	21	30	45	15
Barracudas	3402	15	10	13	13	29	15
Mullets	3403				2	5	7
Threadfins	3404	118	75	62	90	193	233
Jack, cavalla, trevallies	3406	61	106	106	146	181	155
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	50	13	42	46	46	53
White pomfret	3411	124	111	149	122	152	158
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601						
Yellowfin tuna	3602						
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607	11	14	8	9	12	15
Swordfishes, sail. & marl.	3608					7	3
Narrow-barred king mackerel	3609	39	32	38	44	35	39
King mackerels	3610	22	25	25	38	39	34
Indo-Pacific mackerel	3702	6	4	4	23	25	47
Hairtails	3703	587	665	638	623	859	1,911
Sharks	3801	267	263	233	229	427	324
Rays	3802	17	16	3	1	2	2
Miscellaneous fishes	3901	2,842	2,685	2,647	2,681	3,279	2,899
Swimming crabs	4201	149	58	177	308	424	196
Slipper lobster	4302	12	11	2	6	3	10
Tiger prawn	4501			8	4	2	5
Penaeid prawns	4502	123	104	111	120	223	550
Other prawns	4503	1,945	1,482	1,640	1,404	2,247	1,975
Miscellaneous	4701	249	242	258	185	216	238
Cuttlefishes	5701	170	228	259	306	656	1,284
Squids	5702	252	336	693	400	291	899
Octopuses	5703	31	29	88	45	38	77
Miscellaneous m. molluscs	5801	34	27	26	24	51	30
TOTAL (Tonnes)		8,490	7,677	8,414	8,258	10,963	13,066

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-2 OtterTrawl (Demersal Trawl)

Size of boat : 64 ton

(2) Brunei Darussalam

Sub-area : Zones 2-3

Month		January	February	March	April	May	June
		January	February	March	April	May	June
Units of fishing effort							
No. of fishing units		17	17	17	17	17	17
No. of trips		267	232	156	317	256	256
No. of days		267	232	156	317	256	256
No. of hauls		1068	928	624	1268	1024	1024
No. of hours		2136	1856	1248	2536	2048	2048
Total catch		95.84	100.32	78.03	110.25	95.11	16.12
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401	0.49	0.29	0.04	1.93	0.39	
Indian halibuts	3102	0.32	0.38	0.14	0.37	0.28	
Marine catfishes	3301	0.18	0.53		0.13		
Sharp-toothed p. & c. eels	3304	0.09					0.04
Groupers	3305	0.71	0.77	0.56	1.74	0.74	0.07
Red snappers	3307	1.10	1.00	0.98	5.72	1.28	0.09
Others snappers	3308						
Fusiliers	3309				0.01		
Pony fishes	3311	6.70	6.94	3.98	9.93	5.76	
Grunters and sweetlips	3312	1.59	2.31	0.93	1.67	1.70	
Drums and croakers	3313	3.50	3.49	3.81	6.79	3.45	1.08
Goatfishes	3314	0.34	0.15		4.21	0.09	
Breams	3317	3.34	0.97	1.21	6.26	2.49	0.85
Other species	3320	25.97	30.84	24.70	11.36	10.78	0.25
Barracudas	3402	0.02	0.07	0.04	0.16	0.03	0.02
Mulletts	3403	0.28	0.06				
Round scads	3405	2.37	2.85	0.88	3.08	0.84	1.62
Jack, cavalla, trevallies	3406	4.14	4.13	1.83	4.71	4.90	0.66
Selar scads	3407	0.05	0.22	0.33	1.60	0.04	
Hardtail scad	3408	0.91	3.90	2.22	1.87	0.34	0.04
Queenfishes	3409	1.13	1.34	0.33	2.03	3.59	
Black pomfret	3410	0.10	0.21	0.34	0.02	0.05	
White pomfret	3411	0.33	0.40	0.46	0.35	0.10	
Other species	3412	3.24	0.40	6.42	7.96	28.11	1.62
Sardines	3501						
Clupeoids	3504						
Wolf herring	3505						
Skipjack tuna	3601						
Longtail tuna	3604						
Eastern little tuna	3606						
Narrow-barred king mackerel	3609	1.96	1.66	1.71	1.07	0.34	
Indian mackerels	3701	13.03	3.48	2.18	0.92	2.06	3.76
Indo-Pacific mackerel	3702	0.23	0.10	0.04			
Hairtails	3703	0.39	0.66	1.77	0.57	1.10	0.25
Sharks	3801	2.05	3.13	2.58	3.57	5.36	
Rays	3802	8.33	10.03	4.37	5.84	4.97	0.20
Swimming crabs	4201	0.04				0.01	
Mangrove crab	4202						0.02
Tiger prawn	4501						
Penaeid prawns	4502	6.44	6.38	1.24	16.60	2.69	2.45
Other prawns	4503						
Cuttlefishes	5701	0.28	0.01		0.01	0.08	0.11
Squids	5702	2.42	1.72	13.55	4.48	2.13	1.59
Octopus	5703						
OTHERS		3.77	11.90	1.39	5.29	11.41	1.40
TOTAL (Tonnes)		95.84	100.32	78.03	110.25	95.11	16.12

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-2 OtterTrawl (Demersal Trawl)

Size of boat : 64 ton

(2) Brunei Darussalam

Sub-area : Zones 2-3

		Month					
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units		17	17	17	17	17	17
No. of trips		276	287	274	285	278	239
No. of days		276	287	274	285	278	239
No. of hauls		1104	576	1096	1140	1112	956
No. of hours		2208	1152	2192	2280	2224	1626
Total catch		82.86	78.01	71.72	58.73	68.25	61.13
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401	0.33	0.08	0.40	0.02	0.46	
Indian halibuts	3102	0.51	0.56	0.38	0.39	0.21	0.18
Marine catfishes	3301	0.06					
Sharp-toothed p. & c. eels	3304	0.12		0.15	0.14	0.13	0.05
Groupers	3305	0.76	0.56	0.39	0.45	0.47	0.38
Red snappers	3307	2.36	1.87	3.54	2.03	1.94	2.09
Other snapper	3308		0.03	0.04			
Fusiliers	3309						
Pony fishes	3311	4.77	6.77	5.28	2.52	2.33	1.87
Grunters and sweetlips	3312	1.04	1.27	0.96	0.72	0.44	0.38
Drums and croakers	3313	2.01	2.21	2.30	1.11	1.68	0.92
Goatfishes	3314	0.07	0.04	0.57		0.19	0.08
Breams	3317	3.31	3.33	2.50	2.63	2.94	3.27
Other species	3320	5.97	24.30	5.88	6.07	4.82	3.08
Barracudas	3402	0.03	0.07	0.13	0.04	0.02	0.02
Mullets	3403						
Round scads	3405	0.57	1.13	1.73	0.64	0.58	2.34
Jack, cavalla, trevallies	3406	4.63	4.25	2.70	1.93	2.12	3.27
Selar scads	3407	0.10	0.18	0.03	0.02		0.07
Hardtail scad	3408	0.64	0.57	0.23	0.42	0.49	0.55
Queenfishes	3409	0.86	1.46	1.20	1.51	1.38	0.50
Black pomfret	3410	0.05	0.10	0.09	0.14	0.11	0.04
White pomfret	3411	0.11	0.12	0.11	0.09	0.09	0.09
Other species	3412	24.02	6.39	19.65	18.90	21.43	22.74
Sardines	3501	0.03	0.10	0.14			
Clupeoids	3504		0.16	0.18	0.07	1.24	0.19
Wolf herring	3505						
Skipjack tuna	3601						
Longtail tuna	3604						
Eastern little tuna	3606			0.09	0.04		
Narrow-barred king mackerel	3609	0.62	0.58	0.65	0.59	0.92	0.89
Indian mackerels	3701	12.82	4.15	5.13	3.98	10.48	6.28
Indo-Pacific mackerel	3702				0.04	0.10	0.10
Hairtails	3703	0.06	0.36	0.31	0.23		0.07
Sharks	3801	3.89	4.20	2.68	2.02	3.38	2.87
Rays	3802	6.12	5.96	5.16	5.04	4.80	4.41
Swimming crabs	4201		0.01				0.02
Mangrove crab	4202						
Tiger prawn	4501						
Penaeid prawns	4502	3.37	5.56	6.41	5.66	3.34	1.94
Others prawns	4503						
Cuttlefishes	5701	0.05	0.05	0.05		0.02	0.23
Squids	5702	1.03	1.05	0.91	1.03	2.03	1.72
Octopus	5703						
OTHERS		2.55	0.54	1.75	0.26	0.11	0.49
TOTAL (Tonnes)		82.86	78.01	71.72	58.73	68.25	61.13

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-3 Pair Trawl

(1) Taiwan

Units of fishing effort		Month					
		January	February	March	April	May	June
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		4,417	4,017	3,171	6,687	6,945	2,401
Species (group)	Code No.	January	February	March	April	May	June
Barramundi	3101						
Marine catfishes	3301						
Lizard fishes	3303	466	211	129	316	298	300
Sharp-toothed p. & c. eels	3304	29		27	116	178	77
Groupers	3305	157	137	100	221	320	180
Sillago whiting	3306	38	20	6	14	17	10
Red snappers	3307	142	117	169	410	604	517
Threadfin breams	3310	246	179	91	240	444	283
Drums and croakers	3313	72	73	302		208	242
Goatfishes	3314	4	3	12	8	33	31
Empror breams	3315	6		5	8	33	31
Big-eye snappers	3316	9	2	31	35	169	51
Breams	3317	5	6	9	21	1	1
Horseheads	3318	1	1	1	2	1	1
Barracudas	3402	18	11	15	47	57	26
Mullets	3403						
Threadfins	3404	303	239	225	310	125	206
Jack, cavalla, trevallies	3406						
Hardtail Scad	3408						
Queenfishes	3409						
Black pomfret	3410	414	199	192	238	100	92
White pomfret	3411			1	1		1
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601						
Yellowfin tuna	3602						
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607						
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609						
King mackerels	3610						
Indo-Pacific mackerel	3702						
Hairtails	3703	436	345	338	513		
Sharks	3801	423	393	478	679	774	
Rays	3802	37	13		1	31	
Miscellaneous fishes	3901	841	1,410	916	2,473	2,878	
Swimming crabs	4201						
Slipper lobster	4302	18	4	5	9	12	3
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503	18	14	3	17	11	4
Miscellaneous	4701	1	1	1	1	41	42
Cuttlefishes	5701	172	313	27	184	229	
Squids	5702	510	317	71	798	358	288
Octopuses	5703	51	9	17	25	23	15
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		4,417	4,017	3,171	6,687	6,945	2,401

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-3 Pair Trawl

(1) Taiwan

Month		July	August	September	October	November	December
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		2,933	3,329	5,496	4,245	4,655	11,656
Species (group)	Code No.	July	August	September	October	November	December
Barramundi	3101						
Marine catfishes	3301						
Lizard fishes	3303	38	49	154	33	102	385
Sharp-toothed p. & c. eels	3304	270		37		8	15
Groupers	3305	59	152	71		146	287
Sillago whiting	3306	15	4	40	5	5	28
Red snappers	3307	88	25	105	10	68	139
Threadfin breams	3310	93	52	90	25	92	156
Drums and croakers	3313	226	123	134	161	181	307
Goatfishes	3314	6	3	3	56	3	2
Empror breams	3315	5	3	52	1	8	6
Big-eye snappers	3316	9	1	2	15	10	2
Breams	3317	42	5	10	34	4	6
Horseheads	3318	2	2	1	1	1	1
Barracudas	3402	9	6	12	11	12	19
Mulletts	3403						
Threadfins	3404	84	84	107	131	238	415
Jack, cavalla, trevallies	3406						
Hardtail Scad	3408						
Queenfishes	3409						
Black pomfret	3410	43	126	77	51	154	373
White pomfret	3411			1	1	1	
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601						
Yellowfin tuna	3602						
Big-eye tuna	3603						
Albacore	3605						
Frigate and bullet tuna	3607						
Swordfishes, sail. & marl.	3608						
Narrow-barred king mackerel	3609						
King mackerels	3610						
Indo-Pacific mackerel	3702						
Hairtails	3703	358	300	807	980	950	1,575
Sharks	3801	460	454	635	299	360	552
Rays	3802	15			3	6	3
Miscellaneous fishes	3901	928	1,743	1,622	1,530	1,308	3,273
Swimming crabs	4201						
Slipper lobster	4302	3	4		13	8	26
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503	25	64	182	106	35	35
Miscellaneous	4701	1	3	4		2	40
Cuttlefishes	5701	39	6	171	303	636	2,312
Squids	5702	108	114	1,156	432	301	1,524
Octopuses	5703	7	6	23	44	16	175
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		2,933	3,329	5,496	4,245	4,655	11,656

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-4 Longline

(1) Taiwan

		Month					
		January	February	March	April	May	June
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		3,917	4,314	4,838	4,726	3,164	4,238
Species (group)	Code No.	January	February	March	April	May	June
Barramundi	3101						
Marine catfishes	3301	1	1	1	1	1	1
Lizard fishes	3303	13	9	9	14	11	6
Sharp-toothed p. & c. eels	3304						
Groupers	3305	3	1	3	12	15	17
Sillago whiting	3306						
Red snappers	3307						
Threadfin breams	3310	19	5	75	21	15	
Drums and croakers	3313	102	292	270	116	119	77
Goatfishes	3314						
Empror breams	3315						
Big-eye snappers	3316	19	5	7	7	5	5
Breams	3317	115	138	232	282	314	307
Horseheads	3318	4	3	1	6	4	43
Barracudas	3402			1		2	2
Mullets	3403						
Threadfins	3404	2	2	2	2	2	2
Jack, cavalla, trevallies	3406	14	15	21	25	22	20
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	4	5	4	6	7	5
White pomfret	3411	9	10	11	12	13	88
Sardines	3501					1	
Anchovies	3503						
Skipjack tuna	3601	20	23	20	25	16	14
Yellowfin tuna	3602	1,170	1,424	1,681	1,790	118	1,220
Big-eye tuna	3603	180	195	202	141	172	185
Albacore	3605	283	310	349	403	29	222
Frigate and bullet tuna	3607	14	7	45	13	7	3
Swordfishes, sail. & marl.	3608	501	421	487	628	1,136	732
Narrow-barred king mackerel	3609	14	12	13	12	13	11
King mackerels	3610	1	2	2	2	2	2
Indo-Pacific mackerel	3702						
Hairtails	3703						
Sharks	3801	688	683	679	468	311	343
Rays	3802	5	3	2	3	5	3
Miscellaneous fishes	3901	736	748	721	737	824	780
Swimming crabs	4201						
Slipper lobster	4302						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Miscellaneous	4701						
Cuttlefishes	5701						
Squids	5702						150
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		3,917	4,314	4,838	4,726	3,164	4,238

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-4 Longline

(1) Taiwan

Units of fishing effort		Month					
		July	August	September	October	November	December
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		4,029	4,119	4,525	4,804	4,318	5,304
Species (group)	Code No.	July	August	September	October	November	December
Barramundi	3101				1		
Marine catfishes	3301		2	1		1	
Lizard fishes	3303	5	3	8	5	2	2
Sharp-toothed p. & c. eels	3304			1	2	2	1
Groupers	3305	4	3	23	20	6	6
Sillago whiting	3306						
Red snappers	3307				1	1	
Threadfin breams	3310		1	1	1	1	1
Drums and croakers	3313	81	350	82	117	168	246
Goatfishes	3314						
Empror breams	3315				9	3	1
Big-eye snappers	3316	6	13	12	10	28	6
Breams	3317	326	264	325	252	215	243
Horseheads	3318	104	80	64	124	159	103
Barracudas	3402	1		1			
Mulletts	3403						
Threadfins	3404	1	1	1	1	2	2
Jack, cavalla, trevallies	3406	12	13	10	10	12	11
Hardtail scad	3408						
Queenfishes	3409						
Black pomfret	3410	4	5	4	5	5	3
White pomfret	3411	107	86	102	120	181	301
Sardines	3501						
Anchovies	3503						
Skipjack tuna	3601	30	32	18	24	24	28
Yellowfin tuna	3602	1,172	1,232	1,330	1,146	978	1,120
Big-eye tuna	3603	196	215	211	212	108	106
Albacore	3605	150	192	233	215	198	211
Frigate and bullet tuna	3607	6	11	9	15	9	16
Swordfishes, sail. & marl.	3608	663	633	890	1,036	738	532
Narrow-barred king mackerel	3609	12	13	12	13	12	10
King mackerels	3610	1	1	1	2	2	2
Indo-Pacific mackerel	3702						
Hairtails	3703						
Sharks	3801	509	345	415	394	528	478
Rays	3802	3	3	18	19	18	17
Miscellaneous fishes	3901	636	621	753	1,050	917	1,858
Swimming crabs	4201						
Slipper lobster	4302						
Tiger prawn	4501						
Penaeid prawns	4502						
Other prawns	4503						
Miscellaneous	4701						
Cuttlefishes	5701						
Squids	5702						
Octopuses	5703						
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		4,029	4,119	4,525	4,804	4,318	5,304

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : West Coast of Peninsular

		Month					
		January	February	March	April	May	June
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		48,706	48,034	58,690	70,844	71,448	61,946
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401	871	575	832	940	635	764
Barramundi	2501	9	8	12	9	6	6
Flounders	3101	26	20	23	24	23	36
Tongue soles	3103	259	233	243	225	190	169
Marine catfishes	3301	484	320	432	455	401	403
Catfish eels	3302	79	73	81	79	87	71
Lizard fishes	3303	454	231	588	569	376	426
Sharp-toothed p. & c. eels	3304	178	221	119	164	130	122
Groupers	3305	159	122	175	177	152	132
Sillago whiting	3306	88	50	65	120	79	153
Red snappers	3307	33	25	30	45	142	31
Other snappers	3308	66	46	55	77	98	335
Fusiliers	3309	2	1	1	2	3	2
Threadfin breams	3310	758	428	862	957	801	684
Pony fishes	3311	3	10	1	7	7	8
Grunters and sweetlips	3312	33	37	33	36	38	56
Drums and croakers	3313	816	770	856	991	893	971
Goatfishes	3314	194	52	104	156	160	163
Rabbitfishes	3319	26	7	4	6	4	3
Other species	3320	37	23	27	26	24	24
Barracudas	3402	68	51	66	87	77	89
Mullets	3403	109	83	71	115	52	121
Threadfins	3404	109	82	104	136	106	113
Round scads	3405	2,572	2,760	3,121	3,515	3,392	3,575
Jack, cavalla, trevallies	3406	85	86	137	400	198	178
Selar scads	3407	2,492	3,493	3,545	3,670	3,878	3,786
Hardtail scad	3408	681	609	887	1,560	1,298	1,211
Queenfishes	3409	47	89	38	66	43	54
Black pomfret	3410	398	398	347	452	444	460
Others species	3412	10	8	17	10	16	14
Sardines	3501	608	1,412	1,069	1,999	2,214	1,637
Anchovies	3503	1,291	1,193	1,313	1,753	1,737	1,576
Clupeoids	3504		9	1		5	1
Wolf herring	3505	249	274	298	387	332	280
Eastern little tuna	3606	375	834	776	1,120	816	1,110
Swordfishes, sail. & marl.	3608	10		1	3		
King mackerels	3610	507	498	582	974	1,140	794
Indian mackerels	3701	2,826	4,093	8,235	11,726	11,660	6,334
Hairtails	3703	419	383	519	363	438	390
Sharks	3801	140	149	234	186	159	171
Rays	3802	766	677	867	866	778	761
Miscellaneous fishes	3901	1,561	1,239	1,536	1,650	1,892	1,726
Trash fishes	3902	18,638	16,468	19,175	22,266	24,738	23,675
Mangrove crab	4202	470	387	409	397	460	426
Spiny lobsters	4301	61	54	70	63	111	68
Tiger prawn	4501	37	28	28	20	19	25
Penaeid prawns	4502	1,285	1,037	902	891	842	837
Other prawns	4503	5,758	5,244	4,638	3,810	4,946	4,555
Clams and cone shell	5602	192	34	83	1,127	295	234
Cuttlefishes	5701	988	1,043	1,184	1,054	1,090	1,044
Squids	5702	1,354	2,036	3,847	4,922	3,882	2,023
Octopuses	5703	23	31	46	28	25	43
Miscellaneous m. molluscs	5801	2		1	163	116	76
TOTAL (Tonnes)		48,706	48,034	58,690	70,844	71,448	61,946

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : West Coast of Peninsular

Units of fishing effort		Month					
		July	August	September	October	November	December
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		63,921	69,854	74,450	73,965	53,933	52,612
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401	1,003	838	796	1,175	1,095	803
Barramundi	2501	7	7	4	3	6	12
Flounders	3101	22	24	23	26	20	17
Tongue soles	3103	259	180	260	193	250	308
Marine catfishes	3301	556	484	440	488	377	425
Catfish eels	3302	72	62	81	84	74	72
Lizard fishes	3303	417	489	499	552	502	366
Sharp-toothed p. & c. eels	3304	142	110	165	147	101	134
Groupers	3305	133	144	120	162	128	161
Sillago whiting	3306	143	93	118	145	75	66
Red snappers	3307	29	29	30	50	149	22
Other snappers	3308	72	54	58	79	45	110
Fusiliers	3309	1	3	4	2	1	1
Threadfin breams	3310	825	835	808	856	736	722
Pony fishes	3311	7	8	7	10	9	8
Grunters and sweetlips	3312	62	39	43	38	30	30
Drums and croakers	3313	1,061	862	935	981	925	1,009
Goatfishes	3314	319	244	207	253	159	128
Rabbitfishes	3319	13	11	11	7	1	13
Other species	3320	17	16	22	16	14	15
Barracudas	3402	96	80	73	73	63	72
Mulletts	3403	87	108	338	145	205	207
Threadfins	3404	126	98	97	117	110	107
Round scads	3405	4,453	5,337	7,324	6,785	2,535	2,493
Jack, cavalla, trevallies	3406	210	250	233	219	103	101
Selar scads	3407	3,809	4,391	4,617	4,224	1,905	1,777
Hardtail scad	3408	1,393	970	1,258	838	1,171	1,274
Queenfishes	3409	80	47	38	58	45	42
Black pomfret	3410	591	633	428	468	619	603
Others species	3412	8	9	13	9	4	4
Sardines	3501	1,397	1,729	2,530	1,973	643	563
Anchovies	3503	1,813	2,002	2,224	2,215	1,191	946
Clupeoids	3504		1	4	2	1	2
Wolf herring	3505	312	322	324	392	240	261
Eastern little tuna	3606	1,424	1,076	1,205	1,383	336	818
Swordfishes, sail. & marl.	3608	1		3	1		1
King mackerels	3610	796	716	711	854	455	709
Indian mackerels	3701	6,068	6,034	7,295	6,414	3,894	3,961
Hairtails	3703	489	449	500	382	225	287
Sharks	3801	174	217	234	231	149	122
Rays	3802	943	938	1,143	1,019	686	628
Miscellaneous fishes	3901	1,982	2,572	2,716	2,680	1,757	1,595
Trash fishes	3902	22,989	24,093	25,387	27,741	22,992	21,384
Mangrove crab	4202	460	420	465	474	373	416
Spiny lobsters	4301	99	55	66	73	51	40
Tiger prawn	4501	27	27	24	22	31	39
Penaeid prawns	4502	903	805	886	682	954	1,236
Other prawns	4503	4,210	4,859	5,052	5,363	5,584	5,088
Clams and cone shell	5602	728	3,606	1,151	396	395	463
Cuttlefishes	5701	1,056	1,111	1,161	1,231	981	936
Squids	5702	1,963	2,246	2,142	2,050	1,339	1,941
Octopuses	5703	28	45	34	36	28	31
Miscellaneous m. molluscs	5801	46	76	143	148	170	43
TOTAL (Tonnes)		63,921	69,854	74,450	73,965	53,933	52,612

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : East Coast of Peninsular

Units of fishing effort		Month					
		January	February	March	April	May	June
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		30,636	28,310	36,265	42,513	42,007	33,729
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401	1	7	6	18	45	15
Barramundi	2501	1	1	1	1	1	
Flounders	3101	30	44	34	44	52	42
Tongue soles	3103	42	37	15	21	11	18
Marine catfishes	3301	136	178	212	210	192	169
Catfish eels	3302		1	1	2		
Lizard fishes	3303	119	116	110	133	160	167
Sharp-toothed p. & c. eels	3304	10	15	11	10	12	17
Groupers	3305	63	77	112	116	207	152
Sillago whiting	3306	94	83	57	34	140	114
Red snappers	3307	124	150	197	155	103	107
Other snappers	3308	198	264	245	282	297	282
Fusiliers	3309		64	153	64	9	3
Threadfin breams	3310	646	756	824	1,093	899	920
Pony fishes	3311	94	122	56	38	58	67
Grunters and sweetlips	3312	9	6	4	10	18	9
Drums and croakers	3313	215	143	175	157	148	147
Goatfishes	3314	119	146	237	260	264	199
Rabbitfishes	3319	20	21	34	34	32	20
Other species	3320	40	40	43	35	37	33
Barracudas	3402	53	60	98	93	51	56
Mulletts	3403	5	4	4	4	3	7
Threadfins	3404	107	81	100	131	104	110
Round scads	3405	734	564	639	639	690	923
Jack, cavalla, trevallies	3406	129	126	142	243	215	178
Selar scads	3407	707	555	671	700	772	837
Hardtail scad	3408	522	425	628	942	793	860
Queenfishes	3409	39	81	32	57	34	46
Black pomfret	3410	79	41	32	71	43	12
Others species	3412	24	20	35	38	31	30
Sardines	3501	240	112	361	361	260	249
Anchovies	3503	1,291	1,193	1,102	1,060	1,084	838
Clupeoids	3504			1			1
Wolf herring	3505	195	201	229	219	198	183
Eastern little tuna	3606	44	80	185	188	167	325
Swordfishes, sail. & marl.	3608						
King mackerels	3610	305	320	319	496	919	543
Indian mackerels	3701	2,301	3,240	7,433	10,480	10,241	5,066
Hairtails	3703	266	152	348	274	284	234
Sharks	3801	50	64	63	74	57	63
Rays	3802	446	301	460	420	414	412
Miscellaneous fishes	3901	930	600	833	1,034	1,043	835
Trash fishes	3902	12,584	10,661	12,605	14,738	14,209	12,607
Mangrove crab	4202	336	289	321	320	335	279
Spiny lobsters	4301	4	2	3	3	2	3
Tiger prawn	4501	17	16	18	15	10	10
Penaeid prawns	4502	776	682	739	824	799	779
Other prawns	4503	5,023	4,685	4,248	3,695	4,872	4,432
Clams and cone shell	5602	192	34	82	1,126	294	231
Cuttlefishes	5701	449	396	653	551	525	407
Squids	5702	803	1,026	1,316	811	736	592
Octopuses	5703	22	28	37	26	21	24
Miscellaneous m. molluscs	5801	2		1	163	116	76
TOTAL (Tonnes)		30,636	28,310	36,265	42,513	42,007	33,729

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : East Coast of Peninsular

		Month					
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		34,768	37,672	38,326	39,969	34,423	34,687
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401	50	2	8	92	34	42
Barramundi	2501			1	2	1	
Flounders	3101	40	41	74	51	34	28
Tongue soles	3103	24	31	27	41	45	45
Marine catfishes	3301	221	250	382	315	147	131
Catfish eels	3302			1			
Lizard fishes	3303	220	281	299	272	105	163
Sharp-toothed p. & c. eels	3304	12	12	18	13	14	7
Groupers	3305	154	152	125	144	54	55
Sillago whiting	3306	55	52	53	60	50	42
Red snappers	3307	110	144	220	177	76	93
Other snappers	3308	328	356	474	432	147	125
Fusiliers	3309	8	20	32	14	4	2
Threadfin breams	3310	1,137	1,200	1,693	1,826	804	667
Pony fishes	3311	93	114	85	78	21	37
Grunters and sweetlips	3312	6	48	26	11	14	5
Drums and croakers	3313	222	251	256	291	143	161
Goatfishes	3314	264	392	588	606	149	164
Rabbitfishes	3319	23	28	55	29	13	13
Other species	3320	62	55	80	67	31	40
Barracudas	3402	60	70	85	122	23	26
Mulletts	3403			6	12	1	4
Threadfins	3404	126	91	94	108	109	104
Round scads	3405	940	703	921	920	1,422	884
Jack, cavalla, trevallies	3406	241	276	215	296	129	123
Selar scads	3407	1,097	919	755	915	923	686
Hardtail scad	3408	1,046	689	971	655	1,036	1,103
Queenfishes	3409	73	42	35	44	41	40
Black pomfret	3410	12	53	10	26	13	12
Others species	3412	24	30	43	55	16	15
Sardines	3501	214	432	289	457	486	392
Anchovies	3503	883	611	829	956	1,190	945
Clupeoids	3504		1	1	2	1	1
Wolf herring	3505	178	168	148	173	199	216
Eastern little tuna	3606	532	289	230	279	244	376
Swordfishes, sail. & marl.	3608			1	1		
King mackerels	3610	351	400	284	322	378	585
Indian mackerels	3701	4,473	4,151	4,604	4,407	3,720	3,655
Hairtails	3703	316	230	265	204	135	154
Sharks	3801	75	73	62	63	66	59
Rays	3802	478	427	497	487	393	369
Miscellaneous fishes	3901	1,006	863	781	870	858	790
Trash fishes	3902	12,487	13,171	14,389	15,851	13,210	14,048
Mangrove crab	4202	302	265	334	352	282	336
Spiny lobsters	4301	3	2	2	3	3	3
Tiger prawn	4501	17	14	10	11	8	18
Penaeid prawns	4502	839	712	815	596	656	832
Other prawns	4503	3,911	4,344	4,634	5,194	5,133	4,596
Clams and cone shell	5602	727	3,606	1,150	396	395	463
Cuttlefishes	5701	440	480	416	486	452	530
Squids	5702	825	1,032	783	1,009	821	1,432
Octopuses	5703	17	23	27	28	24	27
Miscellaneous m. molluscs	5801	46	76	143	148	170	43
TOTAL (Tonnes)		34,768	37,672	38,326	39,969	34,423	34,687

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : Sabah

		Month					
		January	February	March	April	May	June
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		7,314	9,966	10,379	12,281	10,985	9,288
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401	141	180	276	243	309	325
Barramundi	2501	136	116	137	106	145	159
Flounders	3101	58	43	43	44	55	59
Tongue soles	3103	2	3	2	1		1
Marine catfishes	3301	229	198	204	235	263	237
Catfish eels	3302	136	149	152	135	184	168
Lizard fishes	3303	41	53	74	69	68	56
Sharp-toothed p. & c. eels	3304	51	63	69	85	60	51
Groupers	3305	279	241	279	293	372	294
Sillago whiting	3306	2		4	5	5	2
Red snappers	3307	135	174	222	209	237	176
Other snappers	3308	240	255	289	244	302	278
Fusiliers	3309	18	22	32	112	63	55
Threadfin breams	3310	457	572	581	662	675	559
Pony fishes	3311	49	57	41	46	43	50
Grunters and sweetlips	3312	61	59	57	72	130	125
Drums and croakers	3313	84	96	101	176	143	120
Goatfishes	3314	53	31	58	52	77	25
Rabbitfishes	3319	44	34	40	35	36	41
Other species	3320	13	12	14	15	17	11
Barracudas	3402	114	121	107	159	194	140
Mulletts	3403	233	223	261	181	334	334
Threadfins	3404	34	27	28	69	38	46
Round scads	3405	5	21	9	32	3	15
Jack, cavalla, trevallies	3406	4	15	30	26	20	7
Selar scads	3407	19	42	138	123	77	119
Hardtail scad	3408	16	11	38	39	31	32
Queenfishes	3409	20	47	35	39	67	53
Black pomfret	3410	192	159	189	180	143	140
Others species	3412						
Sardines	3501	59	92	196	41	23	125
Anchovies	3503	23	64	1			3
Clupeoids	3504	2					
Wolf herring	3505	18	27	37	61	46	31
Eastern little tuna	3606	71	107	62	139	106	109
Swordfishes, sail. & marl.	3608						
King mackerels	3610	64	114	107	229	258	156
Indian mackerels	3701	130	157	187	175	130	237
Hairtails	3703	38	76	71	114	135	126
Sharks	3801	67	145	111	206	174	184
Rays	3802	94	137	140	226	239	172
Miscellaneous fishes	3901	510	662	1,074	1,477	1,706	1,070
Trash fishes	3902	1,228	1,208	1,635	3,063	2,844	2,361
Mangrove crab	4202	48	52	48	52	68	70
Spiny lobsters	4301	1	5	4		1	
Tiger prawn	4501		1				
Penaeid prawns	4502	257	418	462	376	325	353
Other prawns	4503	927	2,424	2,293	2,162	637	488
Clams and cone shell	5602	14	11	16	19	14	15
Cuttlefishes	5701	7	8	6	4	9	11
Squids	5702	23	46	247	125	95	28
Octopuses	5703						
Miscellaneous m. molluscs	5801	867	1,188	172	125	84	71
TOTAL (Tonnes)		7,314	9,966	10,379	12,281	10,985	9,288

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : Sabah

Month		July	August	September	October	November	December
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		10,691	9,998	10,388	9,768	10,264	6,941
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401	279	142	202	105	102	117
Barramundi	2501	165	113	134	107	101	99
Flounders	3101	49	68	51	73	58	59
Tongue soles	3103				2		4
Marine catfishes	3301	237	254	212	189	199	208
Catfish eels	3302	168	123	82	104	73	55
Lizard fishes.	3303	40	32	54	40	32	34
Sharp-toothed p. & c. eels	3304	44	67	52	47	45	41
Groupers	3305	293	290	247	288	234	209
Sillago whiting	3306	6	1	2	2	3	3
Red snappers	3307	238	188	215	237	192	185
Other snappers	3308	282	276	315	301	259	219
Fusiliers	3309	78	122	68	119	77	65
Threadfin breams	3310	548	642	514	467	529	469
Pony fishes	3311	59	53	43	58	51	61
Grunters and sweetlips	3312	35	48	59	42	33	44
Drums and croakers	3313	139	110	123	127	138	84
Goatfishes	3314	33	100	91	27	65	10
Rabbitfishes	3319	46	38	45	41	25	34
Other species	3320	7	21	15	12	12	4
Barracudas	3402	134	155	153	137	136	149
Mullets	3403	304	146	194	166	127	128
Threadfins	3404	63	66	59	43	20	17
Round scads	3405	6	3	7	1	7	5
Jack, cavalla, trevallies	3406	29	28	16	22	13	13
Selar scads	3407	91	47	88	110	75	66
Hardtail scad	3408	37	49	58	56	34	13
Queenfishes	3409	45	86	84	31	15	5
Black pomfret	3410	150	133	136	159	120	103
Others species	3412						
Sardines	3501	193	1	373	491	555	448
Anchovies	3503			87	28	12	14
Clupeoids	3504					2	
Wolf herring	3505	27	59	43	46	30	6
Eastern little tuna	3606	182	172	179	206	142	44
Swordfishes, sail. & marl.	3608						
King mackerels	3610	233	246	234	221	81	85
Indian mackerels	3701	419	204	461	565	384	221
Hairtails	3703	180	118	168	45	32	25
Sharks	3801	276	353	175	185	94	65
Rays	3802	191	173	210	173	99	91
Miscellaneous fishes	3901	1,548	1,241	1,417	1,351	892	751
Trash fishes	3902	2,839	2,505	2,413	1,880	1,828	1,365
Mangrove crab	4202	63	22	68	52	51	46
Spiny lobsters	4301					1	1
Tiger prawn	4501		1			6	1
Penaeid prawns	4502	413	365	379	355	372	392
Other prawns	4503	299	374	435	453	435	668
Clams and cone shell	5602	15	15	18	12	19	8
Cuttlefishes	5701	8	12	12	14	6	4
Squids	5702	46	86	74	76	797	41
Octopuses	5703						
Miscellaneous m. molluscs	5801	154	650	323	502	1,651	162
TOTAL (Tonnes)		10,691	9,998	10,388	9,768	10,264	6,941

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : Sarawak

Units of fishing effort		Month					
		January	February	March	April	May	June
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		15,624	19,314	21,028	27,176	28,824	26,722
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401	41	141	90	213	237	185
Barramundi	2501	2	1	1	8	5	1
Flounders	3101	7	7	19	6	7	7
Tongue soles	3103	5	4	21	9	7	12
Marine catfishes	3301	128	164	182	242	267	259
Catfish eels	3302	1	3	3	3	3	4
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304	35	75	68	129	74	90
Groupers	3305	11	15	18	15	17	27
Sillago whiting	3306						
Red snappers	3307	70	58	56	93	74	72
Other snappers	3308	26	17	31	51	51	18
Fusiliers	3309						
Threadfin breems	3310	20	38	27	73	31	27
Pony fishes	3311	3	2			1	5
Grunters and sweetlips	3312	5	5	1	1	1	1
Drums and croakers	3313	101	263	249	426	240	161
Goatfishes	3314				3	88	1
Rabbitfishes	3319						
Other species	3320	21	18	23	51	40	25
Barracudas	3402	6	9	15	22	17	21
Mulletts	3403	1				4	2
Threadfins	3404	2	1	4	5	2	3
Round scads	3405	1,838	2,196	2,482	2,876	2,702	2,652
Jack, cavalla, trevallies	3406	16	43	57	272	72	69
Selar scads	3407	1,785	2,938	2,874	2,970	3,106	2,949
Hardtail scad	3408	159	184	259	618	505	351
Queenfishes	3409	8	8	6	9	9	8
Black pomfret	3410	49	84	85	191	155	175
Others species	3412						
Sardines	3501	368	1,300	708	1,638	1,954	1,388
Anchovies	3503			211	693	653	738
Clupeoids	3504		9			5	
Wolf herring	3505	54	73	69	168	134	97
Eastern little tuna	3606	331	754	591	932	649	785
Swordfishes, sail. & marl.	3608	10		1	2		
King mackerels	3610	202	178	263	478	221	251
Indian mackerels	3701	524	853	802	1,247	1,419	1,268
Hairtails	3703	153	231	171	89	154	156
Sharks	3801	90	85	171	112	102	108
Rays	3802	320	376	407	446	364	349
Miscellaneous fishes	3901	631	639	703	616	849	891
Trash fishes	3902	6,054	5,807	6,570	7,528	10,529	11,068
Mangrove crab	4202	135	98	88	77	125	147
Spiny lobsters	4301	57	52	67	60	109	65
Tiger prawn	4501	20	12	10	5	9	15
Penaeid prawns	4502	509	355	163	67	43	58
Other prawns	4503	735	559	390	115	74	123
Clams and cone shell	5602			1	1	1	3
Cuttlefishes	5701	539	647	531	503	565	637
Squids	5702	551	1,010	2,531	4,111	3,146	1,431
Octopuses	5703	1	2	9	2	4	19
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		15,624	19,314	21,028	27,176	28,824	26,722

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : Sarawak

Month		July	August	September	October	November	December
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		28,144	32,040	37,000	34,394	16,773	15,238
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401	253	263	226	239	79	165
Barramundi	2501	1	11	6	11	4	1
Flounders	3101	21	14	14	14	15	10
Tongue soles	3103	12	15	10	18	25	9
Marine catfishes	3301	412	333	333	318	120	72
Catfish eels	3302	10	4	6	7	2	2
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304	82	83	54	54	65	48
Groupers	3305	26	35	24	45	38	7
Sillago whiting	3306						
Red snappers	3307	89	76	109	121	38	54
Other snappers	3308	23	15	48	30	21	8
Fusiliers	3309						
Threadfin breams	3310	45	35	54	37	18	18
Pony fishes	3311				5		1
Grunters and sweetlips	3312	2	4	4	2		1
Drums and croakers	3313	237	276	284	149	121	148
Goatfishes	3314	55	72	160	156	159	76
Rabbitfishes	3319						
Other species	3320	53	45	43	65	25	28
Barracudas	3402	23	16	20	23	7	9
Mulletts	3403	3	3	1	2		
Threadfins	3404		7	3	9	1	3
Round scads	3405	3,513	4,634	6,403	5,865	1,113	1,609
Jack, cavalla, trevallies	3406	59	99	139	65	15	18
Selar scads	3407	2,712	3,472	3,862	3,309	982	1,091
Hardtail scad	3408	347	281	287	183	135	171
Queenfishes	3409	7	5	3	14	4	2
Black pomfret	3410	371	213	202	185	133	47
Others species	3412						
Sardines	3501	1,183	1,297	2,241	1,516	157	171
Anchovies	3503	930	1,391	1,395	1,259	1	1
Clupeoids	3504			3			1
Wolf herring	3505	134	154	176	219	41	45
Eastern little tuna	3606	892	787	975	1,104	92	442
Swordfishes, sail. & marl.	3608	1		3			1
King mackerels	3610	445	316	427	532	77	124
Indian mackerels	3701	1,595	1,883	2,691	2,007	174	306
Hairtails	3703	173	219	235	178	91	133
Sharks	3801	99	144	172	168	83	63
Rays	3802	465	511	646	532	293	259
Miscellaneous fishes	3901	976	1,709	1,935	1,810	899	805
Trash fishes	3902	10,502	10,922	10,998	11,890	9,782	7,336
Mangrove crab	4202	158	155	130	122	91	80
Spiny lobsters	4301	96	53	64	70	48	37
Tiger prawn	4501	10	13	14	11	23	21
Penaeid prawns	4502	64	93	71	86	298	404
Other prawns	4503	299	515	417	169	452	492
Clams and cone shell	5602	1			1		
Cuttlefishes	5701	616	631	745	745	529	406
Squids	5702	1,138	1,214	1,359	1,041	518	509
Octopuses	5703	11	22	8	8	4	4
Miscellaneous m. molluscs	5801						
TOTAL (Tonnes)		28,144	32,040	37,000	34,394	16,773	15,238

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : Labuan

Units of fishing effort		Month					
		January	February	March	April	May	June
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		10,617	11,549	10,587	13,559	12,727	10,710
Species (group)	Code No.	January	February	March	April	May	June
Shads	2401	11	1	15	11	19	12
Barramundi	2501						
Flounders	3101	18	24	25	22	29	20
Tongue soles	3103	2	2	4	2	3	2
Marine catfishes	3301	41	44	37	16	28	26
Catfish eels	3302			1	1	1	
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304	1					
Groupers	3305	42	36	46	44	42	24
Sillago whiting	3306						
Red snappers	3307	47	44	43	37	34	25
Other snappers	3308	111	85	93	100	108	58
Fusiliers	3309	29	30	32	39	46	22
Threadfin breams	3310	67	39	41	48	38	38
Pony fishes	3311	33	30	22	33	40	23
Grunters and sweetlips	3312	26	18	17	15	23	19
Drums and croakers	3313	37	28	27	27	29	34
Goattishes	3314	24	20	17	22	26	24
Rabbitfishes	3319	13	18	28	26	33	26
Other species	3320	47	51	56	47	65	45
Barracudas	3402	25	33	54	43	40	29
Mullets	3403	4	8	5	6	8	6
Threadfins	3404	252	224	240	172	295	329
Round scads	3405	933	1,122	1,017	1,002	925	1,132
Jack, cavalla, trevallies	3406	236	304	296	307	331	351
Selar scads	3407	221	369	330	256	266	232
Hardtail scad	3408	257	264	214	213	285	193
Queenfishes	3409	140	133	191	141	151	183
Black pomfret	3410	52	49	77	94	199	45
Others species	3412						
Sardines	3501	1,425	1,050	934	1,132	1,085	1,020
Anchovies	3503	188	153	201	403	260	209
Clupeoids	3504	4	19	4	7	5	3
Wolf herring	3505			2	2	3	2
Eastern little tuna	3606	1,362	1,451	1,061	914	885	770
Swordfishes, sail. & marl.	3608	11	23	12	15	15	9
King mackerels	3610	323	641	394	369	351	334
Indian mackerels	3701	768	814	683	994	889	759
Hairtails	3703	15	16	12	15	14	17
Sharks	3801	188	222	179	142	181	211
Rays	3802	115	141	155	91	129	132
Miscellaneous fishes	3901	570	837	784	971	921	816
Trash fishes	3902	1,104	1,293	1,162	2,195	1,553	1,565
Mangrove crab	4202	307	332	280	325	312	333
Spiny lobsters	4301	12	14	13	22	24	17
Tiger prawn	4501	24	21	18	21	20	23
Penaeid prawns	4502	733	713	759	567	590	619
Other prawns	4503	365	310	312	365	308	349
Clams and cone shell	5602	31	23	18	36	29	26
Cuttlefishes	5701	113	149	182	174	150	187
Squids	5702	267	326	461	479	413	368
Octopuses	5703	18	20	25	23	26	26
Miscellaneous m. molluscs	5801	5	5	8	1,573	1,500	17
TOTAL (Tonnes)		10,617	11,549	10,587	13,559	12,727	10,710

2 MONTHLY CATCH-EFFORT STATISTICS 1994

2-1 Catch and Fishing Effort by Type of Fishing Gear and by Month

2-1-5 All Gear

(1) Malaysia

Sub-area : Labuan

Month		July	August	September	October	November	December
		July	August	September	October	November	December
Units of fishing effort							
No. of fishing units							
No. of trips							
No. of days							
No. of hauls							
Total catch		9,874	10,294	10,226	10,318	11,056	9,405
Species (group)	Code No.	July	August	September	October	November	December
Shads	2401	9	15	21	19	28	6
Barramundi	2501						
Flounders	3101	16	22	25	24	28	10
Tongue soles	3103	2	1	4	2	4	1
Marine catfishes	3301	32	31	45	30	58	23
Catfish eels	3302						
Lizard fishes	3303						
Sharp-toothed p. & c. eels	3304						
Groupers	3305	30	46	27	33	49	17
Sillago whiting	3306						
Red snappers	3307	32	31	31	35	30	17
Other snappers	3308	79	72	93	110	92	35
Fusillers	3309	22	27	30	27	25	14
Threadfin breams	3310	34	36	27	35	10	15
Pony fishes	3311	38	26	32	29	33	18
Grunters and sweetlips	3312	22	25	22	14	22	6
Drums and croakers	3313	23	20	17	22	19	15
Goatfishes	3314	18	23	24	24	33	15
Rabbitfishes	3319	18	25	39	26	32	23
Other species	3320	47	60	56	55	72	26
Barracudas	3402	46	32	39	15	24	4
Mullets	3403	8	11	9	16	11	3
Threadfins	3404	290	237	221	228	193	179
Round scads	3405	1,120	1,270	1,022	1,201	1,105	1,105
Jack, cavalla, trevallies	3406	273	300	300	383	343	239
Selar scads	3407	241	271	295	173	175	183
Hardtail scad	3408	180	239	148	151	145	134
Queenfishes	3409	184	170	163	172	108	116
Black pomfret	3410	20	17	31	5		
Others species	3412						
Sardines	3501	954	1,159	878	1,283	1,314	1,072
Anchovies	3503	198	105	331	279	276	253
Clupeoids	3504	4	4	4	4	3	7
Wolf herring	3505	4	1	4		1	
Eastern little tuna	3606	774	810	600	818	1,109	1,010
Swordfishes, sail. & marl.	3608	7	24	9	14	16	15
King mackerels	3610	349	278	283	287	372	349
Indian mackerels	3701	698	855	854	808	614	564
Hairtails	3703	14	18	11	12	20	13
Sharks	3801	224	185	218	206	234	183
Rays	3802	139	157	158	171	195	151
Miscellaneous fishes	3901	731	817	753	827	757	701
Trash fishes	3902	978	1,037	1,463	1,079	1,340	1,141
Mangrove crab	4202	334	295	300	270	244	261
Spiny lobsters	4301	13	18	16	19	29	26
Tiger prawn	4501	26	21	21	21	21	19
Penaeid prawns	4502	704	682	871	813	589	650
Other prawns	4503	401	289	281	277	608	279
Clams and cone shell	5602	34	37	43	38	149	48
Cuttlefishes	5701	133	151	123	132	150	113
Squids	5702	305	314	254	304	348	311
Octopuses	5703	23	19	19	18	20	20
Miscellaneous m. molluscs	5801	43	11	11	9	8	15
TOTAL (Tonnes)		9,874	10,294	10,226	10,318	11,056	9,405

3 SPECIFIC DATA ON CATCH-EFFORT 1994

3-1 Hong Kong

3-1-1 Annual Catch and Effort by Type of Fishing Gear

(1) Purse Seine

Country	Hong Kong	
Sub-area		
Fishing area:	Latitude	.....
	Longitude	.....
Fishing gear	Purse Seine	
Size of boat	(GRT)	
Effort		
Unit	122	
Trip	235	
Day	235	
Haul		
Hour		
Hook		
Others		
Month, Period		
Catch	Unit of weight is (Ton, Kg or No. of fish) please define.	
Species	Code No.	Catch
All		4220 ton
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Remarks		

3 SPECIFIC DATA ON CATCH-EFFORT 1994

3-1 Hong Kong

3-1-1 Annual Catch and Effort by Type of Fishing Gear

(2) Stern Trawl

Country	Hong Kong	
Sub-area		
Fishing area:	Latitude	.....
	Longitude	.....
Fishing gear	Stern Trawl	
Size of boat	(GRT)	
Effort		
Unit	222	
Trip	78	
Day	269	
Haul		
Hour		
Hook		
Others		
Month, Period		
Catch	Unit of weight is (Ton, Kg or No. of fish) please define.	
Species	Code No.	Catch
All		18991 ton
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Remarks		

3 SPECIFIC DATA ON CATCH-EFFORT 1994

3-1 Hong Kong

3-1-1 Annual Catch and Effort by Type of Fishing Gear

(3) Pair Trawl

Country	Hong Kong	
Sub-area		
Fishing area:	Latitude	.....
	Longitude	.....
Fishing gear	Pair Trawl	
Size of boat	(GRT)	
Effort		
Unit	586	
Trip	62	
Day	255	
Haul		
Hour		
Hook		
Others		
Month, Period		
Catch	Unit of weight is (Ton, Kg or No. of fish) please define.	
Species	Code No.	Catch
All		130826 ton
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Remarks		

3 SPECIFIC DATA ON CATCH-EFFORT 1994

3-1 Hong Kong

3-1-1 Annual Catch and Effort by Type of Fishing Gear

(4) Shrimp Trawl

Country	Hong Kong	
Sub-area		
Fishing area:	Latitude	.....
	Longitude	.....
Fishing gear	Shrimp Trawl	
Size of boat	(GRT)	
Effort		
Unit	515	
Trip	153	
Day	243	
Haul		
Hour		
Hook		
Others		
Month, Period		
Catch	Unit of weight is (Ton, Kg or No. of fish) please define.	
Species	Code No.	Catch
All		16881 ton
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Remarks		

3 SPECIFIC DATA ON CATCH-EFFORT 1994

3-1 Hong Kong

3-1-1 Annual Catch and Effort by Type of Fishing Gear

(5) Gill Net

Country	Hong Kong	
Sub-area		
Fishing area:	Latitude	.....
	Longitude	.....
Fishing gear	Gill net	
Size of boat	(GRT)	
Effort		
Unit	527	
Trip	22	
Day	257	
Haul		
Hour		
Hook		
Others		
Month, Period		
Catch	Unit of weight is (Ton, Kg or No. of fish) please define.	
Species	Code No.	Catch
All		8440 ton
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Remarks		

3 SPECIFIC DATA ON CATCH-EFFORT 1994

3-1 Hong Kong

3-1-1 Annual Catch and Effort by Type of Fishing Gear

(6) Line

Country	Hong Kong	
Sub-area		
Fishing area:	Latitude	.....
	Longitude	.....
Fishing gear	Line	
Size of boat	(GRT)	
Effort		
Unit	573	
Trip	-	
Day	-	
Haul		
Hour		
Hook		
Others		
Month, Period		
Catch	Unit of weight is (Ton, Kg or No. of fish) please define.	
Species	Code No.	Catch
All		10551 ton
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Remarks		

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