

November - 2001
ISBN 983-9819-20-8

MARINE FISHERY RESOURCES
DEVELOPMENT AND MANAGEMENT
DEPARTMENT OF SEAFDEC
KUALA TERENGGANU, MALAYSIA



SEAFDEC MFRDMD/ST/6

THE TUNA FISHERIES STATISTICS FOR THE SOUTH CHINA SEA AREA

1997

**MARINE FISHERY RESOURCES
DEVELOPMENT AND MANAGEMENT DEPARTMENT (MFRDMD)
SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER (SEAFDEC)**

2001

**THE TUNA FISHERIES STATISTICS
FOR THE SOUTH CHINA SEA AREA**

1997



Marine Fishery Resources Development and Management Department

Southeast Asian Fisheries Development Center

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

The Tuna fisheries statistics for the South China Sea area 1997.

(SEAFDEC MFRDMD/ST/6)

ISBN 983-9819-20-8

1. Tuna fisheries--South China Sea--Statistics. 2. Fishery resources--South China Sea--Statistics. I. Pusat
Perkembangan Perikanan Asia Tenggara. II. Series.
639.277830916472

Marine Fishery Resources Development and Management Department

Southeast Asian Fisheries Development Center

Fisheries Garden, Chendering

21080 Kuala Terengganu, Malaysia.

Tel: 6(09)-6163150 Fax: 6(09)-6175136

E-mail: seafdec@po.jaring.my

<http://agrolink.moa.my/dof/seafdec>

Copyright © 2001 Marine Fishery Resources Development And Management Department (MFRDMD)
Southeast Asian Fisheries Development Center (SEAFDEC)

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, without prior permission from the Copyright owner.

ISBN 983-9819-20-8

**Marine Fishery Resources Development and Management Department
Southeast Asian Fisheries Development Center**

EDITORIAL BOARD for Tuna Fisheries Statistics:

Raja Bidin bin Raja Hassan

and

Zawati binti Awang

**SEAFDEC/MFRDMD
Kuala Terengganu,
Malaysia**

FOREWORD

This Tuna Fishery Statistics for the South China Sea area (1997) is the second in a series of publication beginning in 1996 undertaken by the SEAFDEC Marine Fishery Resources Development and Management Department (MFRDMD) following the transfer of responsibility for this organization to collate and publish the tuna statistical data for the Southeast Asian region. The first publication has been distributed to all interested parties, which include the SEAFDEC Member Countries, Research Institutions and International Organizations, besides forming future reference in support of the required documents toward a more responsible global tuna resource management.

The success of this publication depends essentially on the closely working cooperation that has existed between the different national liaison officers of the SEAFDEC Member Countries and MFRDMD. Such cooperation still has room for improvement through timely data submission to MFRDMD so as to ensure the publication of the essential information on tuna in this region follows as scheduled. Moreover, a series of discussions initiated within the Regional Technical Consultations organized by SEAFDEC culminating in the to-be-hosted ASEAN SEAFDEC Millennium Conference in November 2001 have repeatedly stressed for better cooperation by all relevant parties in the collection of regional fishery statistics for the benefit of the fishing industry in this region.

Information provided in this publication comes mostly from the returned questionnaires previously submitted to all responsible national liaison officers of the SEAFDEC Member Countries, while a few have been extracted from the FAO Statistical Year Book and SEAFDEC Annual Fishery Statistics. In this connection, we wish to express our heartfelt appreciation to the Departments of Fisheries of Brunei Darussalam, Malaysia, Philippines and Japan for providing the valuable information which enable us to compile and produce this bulletin.



Ibrahim bin Salleh
Chief,
Marine Fishery Resources Development
And Management Department (MFRDMD)
Kuala Terengganu
Malaysia

CONTENTS

	Page
EXPLANATORY NOTES	
1. General Notes	vii
1-1 Data Collection	vii
1-2 Time Reference	vii
2. Notes on Statistics	vii
2-1 Category of Statistics	vii
2-2 Classification and Coverage of Fishing Gears	vii
2-3 Classification of Fishing Boats	viii
2-4 Coverage of Fishing Efforts	viii
2-5 Others	viii
DATA AVAILABILITY	
1. Annual Landing Statistics 1997	ix
2. Monthly Landing Statistics 1997	ix
ANNEX	
1. Countries and Sub-areas for the Statistics	x
2. Classification and Code Number of Species	xi
3. List of Tuna and Tuna-like Species with Species Codes of SEAFDEC and ISSCAAP (FAO)	xii
STATISTICAL TABLES FOR 1997	
1. Annual Landing By Species - 1997.....	5
1-1 Catch and Fishing Effort by Type of Fishing Gear	5
1-1-1 Fish Purse Seine	
(1) Malaysia	5
1-1-2 Trawl Net	
(1) Malaysia	6
1-1-3 Other Seine	
(1) Malaysia	7
1-1-4 Drift Gill Net	
(1) Malaysia	8
1-1-5 Hook and Line	
(1) Malaysia	9
1-2 Catch and Fishing Effort by Type of Fishing Gear and Size of Management	13
1-2-1 Fish Purse Seine	
(1) Malaysia	
Less than 10 tons	13
10 – 25 tons	14
25 – 40 tons	15
40 – 70 tons	16
More than 70 tons	17
1-2-2 Trawl Net	
(1) Malaysia	
Less than 10 tons	18
10 – 25 tons	19
25 – 40 tons	20
40 – 70 tons	21
More than 70 tons	22

1-2-3	Drift Gill Net	
	(1) Malaysia	23
1-2-4	Hook and Line	
	(1) Malaysia	24
1-3	Catch of Marine Fish by Species and Type of Fishing Gear	
	(1) Taiwan	27
	(2) Thailand	28
1-4	Nominal Catch by Species	
	(1) Indonesia.....	31
	(2) Japan	32
	(3) Korea	33
	(4) Philippines	34
	(5) Singapore	35
	(6) Taiwan	36
	(7) Thailand	37
2.	Monthly Landing By Species – 1997.....	41
2-1	Catch and Fishing Effort by Month	
	(1) Brunei	41
	(2) Malaysia.....	42
	Peninsular Malaysia	43
	West Coast of Peninsular	44
	East Coast of Peninsular.....	45
	Sabah	46
	Sarawak	47
	Labuan	48
3.	Appendix	
3-1	Common Tuna Species in the South China Sea.....	51
3-2	Graft	
	Tuna Landings in Southeast Asian Region – 1997.....	52
	Tuna-like Species Landings in Southeast Asian Region –1997.....	52
	Tuna Landing by Area in Malaysia –1997.....	53
	Monthly Landings of Tuna in Malaysia – 1997.....	54
	Monthly Landings of Tuna in Brunei – 1997.....	54
	Tuna Landing by Species in Indonesia – 1997.....	55
	Tuna Landing by Species in Philippines – 1997.....	55
	Tuna Landing by Species in Korea – 1997.....	56
	Tuna Landing by Species in Singapore – 1997.....	56
	Tuna Landing by Species in Thailand – 1997.....	57
	Tuna Landing by Species in Taiwan – 1997.....	57
	Tuna Landing by Species in Brunei – 1997.....	58
	Tuna Landing by Species in Japan – 1997.....	58
	Tuna Landing by Type of Fishing Gear in Malaysia – 1997.....	59

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 questionnaires prepared by the Marine Fishery Resources Development and Management Department, Southeast Asian Fisheries Development Center (SEAFDEC/MFRDMD). In an number of cases, relevant data have also been extracted from the FAO Yearbook Fishery Statistics and SEAFDEC Fishery Statistical Bulletin For The South China Sea Area. The area of coverage for this bulletin is mainly the Southeast Asia part of the South China Sea within the FAO Statistical Area 71.

1-2 Time Reference

Data in this Bulletin refer to the year 1997.

2. Notes on Statistics

2-1 Category of Statistics

- 1) Annual Landing Statistics — Annual landing data by fishing gear and boat size category are described (whole country and sub-areas).
 - a. Monthly Landing Statistics — Monthly landing data by fishing gear and boat size category are described (whole country and sub-areas).

2-2 Classification and Coverage of Fishing Gears

Landing data of six types of fishing gear {(1)-(6)} as shown in the following table are compiled in this issue. A specific number is given for each type of fishing gears reported.

Major Group	Particular Name
1. Trawl	(1) Otter board trawl
2. Purse Seine	(2) One boat purse seine (3) Two boat purse seine (4) Fish purse seine (5) Ring net
3. Gill Net	(6) Drift gill net
4. Hand line	(7) Hook and line
5. Trap	
6. Others	(8) Beach seine (9) Torch light net

2-3 Classification of Fishing Boats

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 (for trawling - operating hours are from start shooting until start hauling of the net, 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 Landing Statistics 1997

Catch and Fishing Effort by Type of Fishing Gear

Fish Purse Seine	:	<i>Malaysia and Thailand</i>
Trawl Net	:	<i>Malaysia</i>
Other Seine	:	<i>Malaysia and Taiwan</i>
Drift Gill Net	:	<i>Malaysia, Taiwan and Thailand</i>
Hook and Line	:	<i>Malaysia, Taiwan and Thailand</i>
Otter Board Trawl	:	<i>Taiwan and Thailand</i>
One Boat Purse Seine	:	<i>Taiwan</i>
Two Boat Purse Seine	:	<i>Taiwan</i>
Torch Light Net	:	<i>Taiwan</i>
Beach Seine	:	<i>Taiwan</i>
Trap	:	<i>Taiwan</i>
Anchovy Purse Seine	:	<i>Thailand</i>
Bamboo Stake Trap	:	<i>Thailand</i>
Other Gill Net	:	<i>Thailand</i>
Long Line	:	<i>Thailand</i>
Pair Trawl	:	<i>Thailand</i>

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

Fish Purse Seine	:	<i>Malaysia</i>
Trawl Net	:	<i>Malaysia</i>
Drift Gill Net	:	<i>Malaysia</i>
Hook and Line	:	<i>Malaysia</i>

2. Monthly Landing Statistics 1997

Monthly Landings by Countries and Sub Areas

- (1) Brunei
- (2) Malaysia:

Peninsular Malaysia

West coast of Peninsular

East coast of Peninsular

Sabah

Sarawak

Labuan

ANNEX

1. Countries and Sub-areas for the Statistics

Countries and sub-areas used in landing statistics are as follows:

- 1) Brunei
- 2) Japan
- 3) Korea
- 4) Malaysia
 - 4-1 West coast of Peninsular Malaysia
 - 4-2 East coast of Peninsular Malaysia
 - 4-3 Sabah
 - 4-4 Sarawak
 - 4-5 Labuan
- 5) Philippines
- 6) Singapore
- 7) Taiwan
- 8) Thailand

2. Classification and Code Number of Species

1) Catch by Species

The catch should be categorized 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 was revised by taking account the comments from Member Countries.

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.

3. List of Tuna and Tuna-like Species with Species Codes of SEAFDEC and ISSCAAP (FAO)

ISSCAAP			SEAFDEC		
Div.	Group	Code	Name	Code No.	Family / Scientific name
3.	36. Tunas	SKJ	1. Skipjack tuna	3601	Scombridae - <i>Katsuwonus pelamis</i>
		YFT	2. Yellowfin tuna	3602	Scombridae - <i>Thunnus albacares</i>
		BET	3. Big-eye tuna	3603	Scombridae - <i>Thunnus obesus</i>
		LOT	4. Longtail tuna	3604	Scombridae - <i>Thunnus tonggol</i>
		ALB	5. Albacore	3605	Scombridae - <i>Thunnus alalunga</i>
		KAW	6. Eastern little tuna	3606	Scombridae - <i>Euthynnus affinis</i>
		FRZ	7. Frigate tuna and bullet tuna	3607	Scombridae - <i>Auxis</i> spp.
		BIL	8. Indo-Pacific swordfish, sailfishes and	3608	Istiophoridae - <i>Istiophorus</i> spp. <i>Makaira</i> spp.
		XIP	marlins		Xiphiidae - <i>Xiphias</i> spp.
		COM	9. Narrow-barred king mackerel	3609	Scombridae - <i>Scomberomorus commerson</i>
		GUT	10. King mackerels	3610	Scombridae - <i>Scomberomorus guttatus</i>
		STS	11. Streaked seerfish	3611	Scombridae - <i>Scomberomorus lineolatus</i>
		FRI	12. Frigate tuna	3612	Scombridae - <i>Auxis thazard</i>
		BLT	13. Bullet tuna	3613	Scombridae - <i>Auxis rochei</i>
		SBF	14. Southern bluefin tuna	3614	Scombridae - <i>Thunnus maccoyii</i>
		BIP	15. Indo-pacific bonito	3615	Scombridae - <i>Sarda orientalis</i>
		TUN	16. Tunas and bonito NEI	3616	Scombridae - <i>Thunini and sardini NEI</i>
		WAH	17. Wahoo	3617	Scombridae - <i>Acanthocybium solandri</i>
		KGX	18. Seerfishes NEI	3618	Scombridae - <i>Scomberini NEI</i>
		SWO	19. Swordfish	3619	Xiphiidae - <i>Xiphias gladius</i>
		SFA	20. Indo-pacific sailfish	3620	Istiophoridae - <i>Istiophorus ptypterus</i>
		BLM	21. Black marlin	3621	Istiophoridae - <i>Makaira indica</i>
		BLZ	22. Indo-pacific blue marlin	3622	Istiophoridae - <i>Makaira mazara</i>
		MLS	23. Striped marlin	3623	<i>Tetrapturus audax</i>
		OTH	24. Other NEI	3624	Scombridae and xiphioides

STATISTICAL TABLES FOR 1997

1. ANNUAL LANDING BY SPECIES 1997

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

1-1-1 Fish Purse Seine

(1) Malaysia

1-1-2 Trawl Net

(1) Malaysia

1-1-3 Other Seine

(1) Malaysia

1-1-4 Drift Gill Net

(1) Malaysia

1-1-5 Hook and Line

(1) Malaysia

1 ANNUAL LANDING BY SPECIES - 1997

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

I-1-1 Fish Purse Seine

(1) Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Sub-area	Total	West Coast of Peninsular	East Coast of Peninsular	Sabah	Sarawak	Labuan
No. of fishing units		5,134	2,040	3,094	-	-	-
No. of trips		67,093	33,541	33,552	-	-	-
No. of days		94,392	45,411	48,981	-	-	-
No. of hauls		220,686	84,887	135,799	-	-	-
TOTAL CATCH		30,454	6,145	8,734	4,021	178	11,376
Species (group)	CODES	Code No.	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Skipjack tuna	SKJ	3601					
Yellowfin tuna	YFT	3602					
Big-eye tuna	BET	3603					
Longtail tuna	LOT	3604					
Albacore	ALB	3605					
Eastern little tuna	KAW	3606					
Frigate and bullet tuna	FRZ	3607					
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	1	0	0	0
Narrow-barred king mackerel	COM	3609					
King mackerel	GUT	3610					
Streked seerfish	STS	3611					
Frigate tuna	FRI	3612					
Bullet tuna	BLT	3613					
Southern bluefin tuna	SBF	3614					
Indo-pacific bonito	BIP	3615					
Tunas and bonito NEI	TUN	3616	5,902	8,662	3,958	137	11,328
Wahoo	WAH	3617					
Seerfish NEI	KGX	3618					
Swordfish	SWO	3619	243	71	63	41	48
Indo-pacific sailfish	SFA	3620					
Black marlin	BLM	3621					
Indo-pacific blue marlin	BLZ	3622					
Striped marlin	MLS	3623					
Other NEI (TUNA)	OTH	3624					
TOTAL		29,987	5,902	8,662	3,958	137	11,328
		466	243	71	63	41	48

1 ANNUAL LANDING BY SPECIES - 1997

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

1-1-2 Trawl Net

(1) Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Sub-area		Total	West Coast of Peninsular	East Coast of Peninsular	Sabah	Sarawak	Labuan
	Codes	Code No.						
No. of fishing units			58,772	44,819	13,953	-	-	-
No. of trips			856,255	733,491	122,764	-	-	-
No. of days			1,132,108	902,656	229,452	-	-	-
No. of hauls			3,576,244	2,744,513	831,731	-	-	-
TOTAL CATCH			4,428	2,417	623	431	829	128
Species (group)	CODES	Code No.	TOTAL	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Skipjack tuna	SKJ	3601						
Yellowfin tuna	YFT	3602						
Big-eye tuna	BET	3603						
Longtail tuna	LOT	3604						
Albacore	ALB	3605						
Eastern little tuna	KAW	3606						
Frigate and bullet tuna	FRZ	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	5	5	0	0	0	0
Narrow-banded king mackerel	COM	3609						
King mackerel	GUT	3610						
Straked seerfish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	TUN	3616	277	230	17	0	5	25
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618	4,146	2,182	606	431	824	103
Swordfish	SWO	3619						
Indo-pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI (TUNA)	OTH	3624						

1 ANNUAL LANDING BY SPECIES - 1997

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

I-1-3 Other Seine

(1) Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Sub-area		Total	West Coast of Peninsular	East Coast of Peninsular	Sabah	Sarawak	Labuan
	CODES	Code No.						
No. of fishing units			6,458	6,458	0	-	-	-
No. of trips			121,445	121,445	0	-	-	-
No. of days			121,446	121,446	0	-	-	-
No. of hauls			934,572	934,572	0	-	-	-
TOTAL CATCH			6,785	1	0	6,784	0	0
Species (group)	CODES	Code No.	TOTAL	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Skipjack tuna	SKJ	3601						
Yellowfin tuna	YFT	3602						
Big-eye tuna	BET	3603						
Longtail tuna	LOT	3604						
Albacore	ALB	3605						
Eastern little tuna	KAW	3606						
Frigate and bullet tuna	FRZ	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0	0	0	0
Narrow-barrred king mackerel	COM	3609						
King mackerel	GUT	3610						
Streked seerfish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	TUN	3616	6,783	0	0	6,783	0	0
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618	2	1	0	1	0	0
Swordfish	SWO	3619						
Indo-pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI (TUNA)	OTH	3624						

1 ANNUAL LANDING BY SPECIES - 1997

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

1-1-4 *Drift Gill Net*

(1) Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Sub-area		Total	West Coast of Peninsular	East Coast of Peninsular	Sabah	Sarawak	Labuan
	CODES	Code No.						
No. of fishing units			141,915	128,754	13,161	-	-	-
No. of trips			2,098,137	1,907,999	190,138	-	-	-
No. of days			2,141,174	1,945,129	196,045	-	-	-
No. of hauls			5,655,560	5,045,378	610,182	-	-	-
TOTAL CATCH			10,023	1,945	547	5,236	2,072	223
Species (group)	CODES	Code No.	TOTAL	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Skipjack tuna	SKJ	3601						
Yellowfin tuna	YFT	3602						
Big-eye tuna	BET	3603						
Longtail tuna	LOT	3604						
Albacore	ALB	3605						
Eastern little tuna	KAW	3606						
Frigate and bullet tuna	FRZ	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	197	0	0	177	0	20
Narrow-barred king mackerel	COM	3609						
King mackerel	GUT	3610						
Straked seerfish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	TUN	3616	3,820	290	249	2,239	919	123
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618	6,006	1,655	298	2,820	1,153	80
Swordfish	SWO	3619						
Indo-pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI (TUNA)	OTH	3624						

1 ANNUAL LANDING BY SPECIES - 1997

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

I-1-5 Hook and Line

(1) Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Sub-area	Total	West Coast of Peninsular	East Coast of Peninsular	Sabah	Sarawak	Labuan
No. of fishing units		22,211	10,859	11,352	-	-	-
No. of trips		235,394	120,727	114,667	-	-	-
No. of days		293,390	121,113	172,277	-	-	-
No. of hauls		541,552	541,442	110	-	-	-
TOTAL CATCH		12,378	35	9,283	2,453	407	200
Species (group)	CODES	Code No.	West Coast P	East Coast P	Sabah	Sarawak	Labuan
Skipjack tuna	SKJ	3601					
Yellowfin tuna	YFT	3602					
Big-eye tuna	BET	3603					
Longtail tuna	LOT	3604					
Albacore	ALB	3605					
Eastern little tuna	KAW	3606					
Frigate and bullet tuna	FRZ	3607					
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	24	135	0	0
Narrow-barré king mackerel	COM	3609					
King mackerel	GUT	3610					
Straked seerfish	STS	3611					
Frigate tuna	FRI	3612					
Bullet tuna	BLT	3613					
Southern bluefin tuna	SBF	3614					
Indo-pacific bonito	BIP	3615					
Tunas and bonito NEI	TUN	3616	1	7,812	1,027	295	0
Wahoo	WAH	3617					
Seerfish NEI	KGX	3618	34	1,447	1,291	112	200
Swordfish	SWO	3619					
Indo-pacific sailfish	SFA	3620					
Black marlin	BLM	3621					
Indo-pacific blue marlin	BLZ	3622					
Striped marlin	MLS	3623					
Other NEI (TUNA)	OTH	3624					
TOTAL		9,135	1	7,812	1,027	295	0
		3,084	34	1,447	1,291	112	200

1. ANNUAL LANDING BY SPECIES 1997

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

1-2-1 Fish Purse Seine

(1) Malaysia

Less than 10 tons
10 – 25 tons
25 – 40 tons
40 – 70 tons
More than 70 tons

1-2-2 Trawl Net

(1) Malaysia

Less Than 10 tons
10 – 25 tons
25 – 40 tons
40 – 70 tons
More than 70 tons

1-2-3 Drift Gill Net

(1) Malaysia

1-2-4 Hook and Line

(1) Malaysia

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-1 Fish Purse Seine

(1) Malaysia

Size of boat : Less than 10 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units			57	9	48
Cumulative no. of trips			1,026	162	864
Cumulative no. of days			1,026	162	864
Cumulative no. of hauls			6,843	1,197	5,646
TOTAL CATCH					
Species (group)	CODES	Code No.	Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-banded king mackerel	COM	3609			
King mackerel	GUT	3610			
Striped seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	30	7	23
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618	0	0	0
Swordfish	SWO	3619			
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-1 Fish Purse Seine

(1) Malaysia

Size of boat : 10 - 25 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units			952	28	924
Cumulative no. of trips			17,582	1,032	16,550
Cumulative no. of days			18,303	1,033	17,270
Cumulative no. of hauls			55,776	6,010	49,766
TOTAL CATCH			4,265	2,320	1,945
Species (group)	CODES	Code No.	Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	1	0	1
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610			
Streked seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLI	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	4,235	2,300	1,935
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618			
Swordfish	SWO	3619	29	20	9
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-1 Fish Purse Seine

(1) Malaysia

Size of boat : 25 - 40 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Species (group)	Code No.			
Cumulative no. of fishing units			1,012	462	550
Cumulative no. of trips			16,064	10,442	5,622
Cumulative no. of days			18,186	10,442	7,744
Cumulative no. of hauls			43,957	24,509	19,448
TOTAL CATCH					
			1,704	679	1,025
			Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610			
Streked seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	1,682		1,011
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618		8	14
Swordfish	SWO	3619	22		
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-1 Fish Purse Seine

(1) Malaysia

Size of boat : 40 - 70 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units			2,095	1,198	897
Cumulative no. of trips			29,224	20,668	8,556
Cumulative no. of days			39,780	27,567	12,213
Cumulative no. of hauls			87,189	47,179	40,101
TOTAL CATCH					
Species (group)	CODES	Code No.	Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610			
Streaked seerfish	STS	3611			
Frigate tuna	FRU	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	6,229	2,500	3,729
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618	150	115	35
Swordfish	SWO	3619			
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-1 Fish Purse Seine

(1) Malaysia

Size of boat : More than 70 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	TOTAL CATCH				
Cumulative no. of fishing units	TOTAL CATCH		Total	West Coast P	East Coast P
Cumulative no. of trips	Species (group)		Total	West Coast P	East Coast P
Cumulative no. of days	CODES	Code No.			
Cumulative no. of hauls					
	SKJ	3601			
	YFT	3602			
	BET	3603			
	LOT	3604			
	ALB	3605			
	KAW	3606			
	FRZ	3607			
	BIL	3608	0	0	0
	COM	3609			
	GUT	3610			
	STS	3611			
	FRI	3612			
	BLT	3613			
	SBF	3614			
	BIP	3615			
	TUN	3616	2,388	424	1,964
	WAH	3617			
	KGX	3618			
	SWO	3619	113	100	13
	SFA	3620			
	BLM	3621			
	BLZ	3622			
	MLS	3623			
	OTH	3624			
Skipjack tuna					
Yellowfin tuna					
Big-eye tuna					
Longtail tuna					
Albacore					
Eastern little tuna					
Frigate and bullet tuna					
Indo-pacific swordfish, sailfish and marlin					
Narrow-barred king mackerel					
King mackerel					
Streked seerfish					
Frigate tuna					
Bullet tuna					
Southern bluefin tuna					
Indo-pacific bonito					
Tunas and bonito NEI					
Wahoo					
Seerfish NEI					
Swordfish					
Indo-pacific sailfish					
Black marlin					
Indo-pacific blue marlin					
Striped marlin					
Other NEI (TUNA)					

1 ANNUAL LANDING BY SPECIES - 1997

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

(1) Malaysia

Size of boat : Less than 10 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units			10,310	7,923	2,387
Cumulative no. of trips			181,028	141,491	39,537
Cumulative no. of days			181,915	141,541	40,374
Cumulative no. of hauls			475,815	353,969	121,846
TOTAL CATCH			10	2	8
	Species (group)	CODES	Total	West Coast P	East Coast P
	Skipjack tuna	SKJ			
	Yellowfin tuna	YFT			
	Big-eye tuna	BET			
	Longtail tuna	LOT			
	Albacore	ALB			
	Eastern little tuna	KAW			
	Frigate and bullet tuna	FRZ			
	Indo-pacific swordfish, sailfish and marlin	BIL	0	0	0
	Narrow-barred king mackerel	COM			
	King mackerel	GUT			
	Striked seerfish	STS			
	Frigate tuna	FRI			
	Bullet tuna	BLT			
	Southern bluefin tuna	SBF			
	Indo-pacific bonito	BIP			
	Tunas and bonito NEI	TUN	0	0	0
	Wahoo	WAH			
	Seerfish NEI	KGX			
	Swordfish	SWO	10	2	8
	Indo-pacific sailfish	SFA			
	Black marlin	BLM			
	Indo-pacific blue marlin	BLZ			
	Striped marlin	MLS			
	Other NEI (TUNA)	OTH			

1 ANNUAL LANDING BY SPECIES - 1997

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

(1) Malaysia

Size of boat : 10 - 25 tons

Unit of fishing effort	Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units		24,640	22,551	2,089
Cumulative no. of trips		512,005	451,879	60,126
Cumulative no. of days		538,380	464,877	73,503
Cumulative no. of hauls		1,634,780	1,344,822	289,958
TOTAL CATCH				
Species (group)	CODES	Code No.	West Coast P	East Coast P
Skipjack tuna	SKJ	3601		
Yellowfin tuna	YFT	3602		
Big-eye tuna	BET	3603		
Longtail tuna	LOT	3604		
Albacore	ALB	3605		
Eastern little tuna	KAW	3606		
Frigate and bullet tuna	FRZ	3607		
Indo-pacific swordfish, sailfish and marlin	BIL	3608	5	0
Narrow-barred king mackerel	COM	3609		
King mackerel	GUT	3610		
Streked seerfish	STS	3611		
Frigate tuna	FRI	3612		
Bullet tuna	BLT	3613		
Southern bluefin tuna	SBF	3614		
Indo-pacific bonito	BIP	3615		
Tunas and bonito NEI	TUN	3616	0	0
Wahoo	WAH	3617		
Seerfish NEI	KGX	3618		
Swordfish	SWO	3619	321	46
Indo-pacific sailfish	SFA	3620		
Black marlin	BLM	3621		
Indo-pacific blue marlin	BLZ	3622		
Striped marlin	MLS	3623		
Other NEI (TUNA)	OTH	3624		

1 ANNUAL LANDING BY SPECIES - 1997

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

(1) Malaysia

Size of boat : 25 - 40 tons

Unit of fishing effort	Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units		10,609	7,859	2,750
Cumulative no. of trips		113,987	100,579	13,408
Cumulative no. of days		209,518	160,067	49,451
Cumulative no. of hauls		732,817	538,626	194,191
TOTAL CATCH		1,235	1,025	210
		Total	West Coast P	East Coast P
Skipjack tuna	3601			
Yellowfin tuna	3602			
Big-eye tuna	3603			
Longtail tuna	3604			
Albacore	3605			
Eastern little tuna	3606			
Frigate and bullet tuna	3607			
Indo-pacific swordfish, sailfish and marlin	3608	0	0	0
Narrow-barred king mackerel	3609			
King mackerel	3610			
Streked seerfish	3611			
Frigate tuna	3612			
Bullet tuna	3613			
Southern bluefin tuna	3614			
Indo-pacific bonito	3615			
Tunas and bonito NEI	3616	34	32	2
Wahoo	3617			
Seerfish NEI	3618			
Swordfish	3619	1,201	993	208
Indo-pacific sailfish	3620			
Black marlin	3621			
Indo-pacific blue marlin	3622			
Striped marlin	3623			
Other NEI (TUNA)	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-2 Trawl Net

(1) Malaysia

Size of boat : 40 - 70 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units			7,841	5,559	2,282
Cumulative no. of trips			43,067	36,789	6,278
Cumulative no. of days			156,938	117,623	39,315
Cumulative no. of hauls			586,846	448,220	138,626
TOTAL CATCH					
Species (group)	CODES	Code No.	Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-barré king mackerel	COM	3609			
King mackerel	GUT	3610			
Striped seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	197	186	11
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618			
Swordfish	SWO	3619	1,012	785	227
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

(1) Malaysia

Size of boat : More than 70 tons

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units			2,372	927	1,445
Cumulative no. of trips			6,168	2,753	3,415
Cumulative no. of days			45,357	18,548	26,809
Cumulative no. of hauls			145,986	58,876	87,110
TOTAL CATCH					
			214	93	121
Species (group)	CODES	Code No.	Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608			
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610			
Streked seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	16	12	4
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618			
Swordfish	SWO	3619	198	81	117
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-3 Drift Gill Net

(1) Malaysia

Size of boat : Unclassified

Unit of fishing effort	Sub-area		Total	West Coast P	East Coast P
	Codes	Code No.			
Cumulative no. of fishing units					
Cumulative no. of trips					
Cumulative no. of days					
Cumulative no. of hauls					
TOTAL CATCH					
			2,492	1,945	547
	Species (group)		Total	West Coast P	East Coast P
Skipjack tuna	SKJ	3601			
Yellowfin tuna	YFT	3602			
Big-eye tuna	BET	3603			
Longtail tuna	LOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606			
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610			
Streked seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616	539	290	249
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618	1,953	1,655	298
Swordfish	SWO	3619			
Indo-pacific sailfish	SFA	3620			
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	OTH	3624			

1 ANNUAL LANDING BY SPECIES - 1997

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

1-2-4 Hook and Line

(1) Malaysia

Size of boat : Unclassified

Unit of fishing effort	Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units				
Cumulative no. of trips				
Cumulative no. of days				
Cumulative no. of hauls				
TOTAL CATCH				
		9,318	35	9,283
		Total	West Coast P	East Coast P
Skipjack tuna	3601			
Yellowfin tuna	3602			
Big-eye tuna	3603			
Longtail tuna	3604			
Albacore	3605			
Eastern little tuna	3606			
Frigate and bullet tuna	3607			
Indo-pacific swordfish, sailfish and marlin	3608	24	0	24
Narrow-banded king mackerel	3609			
King mackerel	3610			
Striped seerfish	3611			
Frigate tuna	3612			
Bullet tuna	3613			
Southern bluefin tuna	3614			
Indo-pacific bonito	3615			
Tunas and bonito NEI	3616	7,813	1	7,812
Wahoo	3617			
Seerfish NEI	3618			
Swordfish	3619	1,481	34	1,447
Indo-pacific sailfish	3620			
Black marlin	3621			
Indo-pacific blue marlin	3622			
Striped marlin	3623			
Other NEI (TUNA)	3624			

1. ANNUAL LANDING BY SPECIES 1997

1-3 Catch of Marine Fish by Species and Type of Fishing Gear

(1) Taiwan

(2) Thailand

1 ANNUAL LANDING BY SPECIES - 1997

1-3 Catch of Marine Fish by Species and Type of Fishing Gear

(1) Taiwan

Catch unit in Metric ton

Unit of fishing effort	Type of Gear		Total	Otter board trawl	One-boat purse seine	Two-boat purse seine	Drift gill net	Torch light net	Beach seine	Trap	Hook and line	Others
	CODES	Code No.										
No. of units			31,171	2,152	6	2,321	3,606	1,687	5	2,386	12,411	6,597
No. of trips												
No. of days												
No. of hauls												
No. of hours												
TOTAL CATCH												
Species (group)	CODES	Code No.	Total	Otter board trawl	One-boat purse seine	Two-boat purse seine	Drift gill net	Torch light net	Beach seine	Trap	Hook and line	Others
Skipjack tuna	SKJ	3601	1,415		1	23	229	654		282	204	22
Yellowfin tuna	YFT	3602	6,189				58	51		18	2	6,060
Big-eye tuna	BET	3603	2,128								2,128	
Longtail tuna	LOT	3604	642			1	59	23		19	540	
Albacore	ALB	3605	225								225	
Eastern little tuna	KAW	3606	1,309								1,309	
Frigate and bullet tuna	FRZ	3607	6,805	55	5	2,297	1,121	959	5	1,924	368	71
Indo-pacific swordfish, sailfish and marlin	BIL	3608	8,096				297			143	7,212	444
Narrow-baired king mackerel	COM	3609	4,362	2,097			1,842					
King mackerel	GUT	3610										
Streked seerfish	STS	3611										
Frigate tuna	FRI	3612										
Bullet tuna	BLT	3613										
Southern bluefin tuna	SBF	3614										
Indo-pacific bonito	BIP	3615										
Tunas and bonito NEI	TUN	3616										
Wahoo	WAH	3617										
Seerfish NEI	KGX	3618										
Swordfish	SWO	3619										
Indo-pacific sailfish	SFA	3620										
Black marlin	BLM	3621										
Indo-pacific blue marlin	BLZ	3622										
Striped marlin	MLS	3623										
Other NEI (TUNA)	OTH	3624										

* Data extracted from the Fishery Statistical Bulletin For The South China Sea Area 1997

1 ANNUAL LANDING BY SPECIES - 1997

1-3 Catch of Marine Fish by Species and Type of Fishing Gear
(2) Thailand

Catch unit in Metric ton

Unit of fishing effort	Type of Gear		Total	Otter board trawl	Purse seine	Anchovy purse seine	Drift gill net	Bamboo stake trap	Other gill net	Long line	Hook	Pair trawl
	CODES	Code No.										
No. of units			80,559	3,096	63,374	75	12,269	13	303	2	1,027	400
No. of trips												
No. of days												
No. of hauls												
No. of hours												
TOTAL CATCH												
Species (group)			Total									
Skipjack tuna	SKJ	3601										
Yellowfin tuna	YFT	3602										
Big-eye tuna	BET	3603										
Longtail tuna	LOT	3604	29,127		24,172	2	4,842				46	
Albacore	ALB	3605										
Eastern little tuna	KAW	3606	42,557		38,410	63	4,084					
Frigate and bullet tuna	FRZ	3607										
Indo-pacific swordfish, sailfish and marlin	BIL	3608										
Narrow-barred king mackerel	COM	3609										
King mackerel	GUT	3610	8,875	3,096	792	10	3,343	13	238	2	981	400
Streked seerfish	STS	3611										
Frigate tuna	FRI	3612										
Bullet tuna	BLT	3613										
Southern bluefin tuna	SBF	3614										
Indo-pacific bonito	BIP	3615										
Tunas and bonito NEI	TUN	3616										
Wahoo	WAH	3617										
Seerfish NEI	KGX	3618										
Swordfish	SWO	3619										
Indo-pacific sailfish	SFA	3620										
Black marlin	BLM	3621										
Indo-pacific blue marlin	BLZ	3622										
Striped marlin	MLS	3623										
Other NEI (TUNA)	OTH	3624										

1. ANNUAL LANDING BY SPECIES 1997

1-4 Nominal Catch by Species

- (1) Indonesia
- (2) Japan
- (3) Korea
- (4) Philippines
- (5) Singapore
- (6) Taiwan
- (7) Thailand

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species

(1) Indonesia

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
	Species (group)	CODES						
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			350,100					
Skipjack tuna		SKJ	3601					
Yellowfin tuna		YFT	3602	178,000				
Big-eye tuna		BET	3603	107,300				
Longtail tuna		LOT	3604					
Albacore		ALB	3605					
Eastern little tuna		KAW	3606					
Frigate and bullet tuna		FRZ	3607					
Indo-pacific swordfish, sailfish and marlin		BIL	3608					
Narrow-barred king mackerel		COM	3609	54,800				
King mackerel		GUT	3610	10,000				
Streaked seerfish		STS	3611					
Frigate tuna		FRI	3612					
Bullet tuna		BLT	3613					
Southern bluefin tuna		SBF	3614					
Indo-pacific bonito		BIP	3615					
Tunas and bonito NEI		TUN	3616					
Wahoo		WAH	3617					
Seerfish NEI		KGX	3618					
Swordfish		SWO	3619					
Indo-pacific sailfish		SFA	3620					
Black marlin		BLM	3621					
Indo-pacific blue marlin		BLZ	3622					
Striped marlin		MLS	3623					
Other NEI (TUNA)		OTH	3624					

* Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species

(2) Japan

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Longlines	Pole and Line	Purse Seine	Trawl Net
	CODES	Code No.						
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			365					
Species (group)	CODES	Code No.	Total	Hook and Line	Longlines	Pole and Line	Purse Seine	Trawl Net
Skipjack tuna	SKJ	3601	156			156		
Yellowfin tuna	YFT	3602	76		16	60		
Big-eye tuna	BET	3603	50		48	2		
Longtail tuna	LOT	3604	0					
Albacore	ALB	3605	69		68	1		
Eastern little tuna	KAW	3606	0					
Frigate and bullet tuna	FRZ	3607	0					
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0					
Narrow-barred king mackerel	COM	3609	0					
King mackerel	GUT	3610	0					
Streked seerfish	STS	3611	0					
Frigate tuna	FRI	3612	0					
Bullet tuna	BLT	3613	0					
Southern bluefin tuna	SBF	3614	0					
Indo-pacific bonito	BIP	3615	0					
Tunas and bonito NEI	TUN	3616	0					
Wahoo	WAH	3617	0					
Seerfish NEI	KGX	3618	0					
Swordfish	SWO	3619	2		2			
Indo-pacific sailfish	SFA	3620	0		0			
Black marlin	BLM	3621	0		0			
Indo-pacific blue marlin	BLZ	3622	10		10			
Striped marlin	MLS	3623	1		1			
Other NEI (TUNA)	OTH	3624	1		-	1		

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species

(3) Korea

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
	CODES	Code No.						
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			162,078					
Species (group)	CODES	Code No.	Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
Skipjack tuna	SKJ	3601	114,042					
Yellowfin tuna	YFT	3602	43,885					
Big-eye tuna	BET	3603	2,624					
Longtail tuna	LOT	3604						
Albacore	ALB	3605	666					
Eastern little tuna	KAW	3606						
Frigate and bullet tuna	FRZ	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	230					
Narrow-barred king mackerel	COM	3609						
King mackerel	GUT	3610						
Streaked seerfish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	TUN	3616						
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618	513					
Swordfish	SWO	3619						
Indo-pacific sailfish	SFA	3620						
Black marlin	BLM	3621	10					
Indo-pacific blue marlin	BLZ	3622	88					
Striped marlin	MLS	3623	20					
Other NEI (TUNA)	OTH	3624						

* Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species
(4) Philippines

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net	
	CODES	Code No.							
No. of units									
No. of trips									
No. of days									
No. of hauls									
No. of hours									
TOTAL CATCH			335,192						
	Species (group)	CODES	Code No.	Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
	Skipjack tuna	SKJ	3601	110,097					
	Yellowfin tuna	YFT	3602	67,342					
	Big-eye tuna	BET	3603						
	Longtail tuna	LOT	3604						
	Albacore	ALB	3605						
	Eastern little tuna	KAW	3606	26,573					
	Frigate and bullet tuna	FRZ	3607	108,494					
	Indo-pacific swordfish, sailfish and marlin	BIL	3608	4,799					
	Narrow-barred king mackerel	COM	3609	11,237					
	King mackerel	GUT	3610						
	Streaked seerfish	STS	3611						
	Frigate tuna	FRI	3612						
	Bullet tuna	BLT	3613						
	Southern bluefin tuna	SBF	3614						
	Indo-pacific bonito	BIP	3615						
	Tunas and bonito NEI	TUN	3616						
	Wahoo	WAH	3617						
	Seerfish NEI	KGX	3618						
	Swordfish	SWO	3619	5,554					
	Indo-pacific sailfish	SFA	3620						
	Black marlin	BLM	3621						
	Indo-pacific blue marlin	BLZ	3622	1,096					
	Striped marlin	MLS	3623						
	Other NEI (TUNA)	OTH	3624						

* Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species

(5) Singapore

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
	Species (group)	CODES						
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			118					
Skipjack tuna		SKJ	3601					
Yellowfin tuna		YFT	3602					
Big-eye tuna		BET	3603					
Longtail tuna		LOT	3604					
Albacore		ALB	3605					
Eastern little tuna		KAW	3606					
Frigate and bullet tuna		FRZ	3607					
Indo-pacific swordfish, sailfish and marlin		BIL	3608					
Narrow-barred king mackerel		COM	3609					
King mackerel		GUT	3610					
Straked seerfish		STS	3611					
Frigate tuna		FRI	3612					
Bullet tuna		BLT	3613					
Southern bluefin tuna		SBF	3614					
Indo-pacific bonito		BIP	3615					
Tunas and bonito NEI		TUN	3616					
Wahoo		WAH	3617					
Seerfish NEI		KGX	3618					
Swordfish		SWO	3619					
Indo-pacific sailfish		SFA	3620					
Black marlin		BLM	3621					
Indo-pacific blue marlin		BLZ	3622					
Striped marlin		MLS	3623					
Other NEI (TUNA)		OTH	3624					
			71					
			47					
			Total					

* Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species
(6) Taiwan

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
	CODES	Code No.						
No. of units			31,171					
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH								
Species (group)	CODES	Code No.	Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
Skipjack tuna	SKJ	3601	1,415					
Yellowfin tuna	YFT	3602	6,189					
Big-eye tuna	BET	3603	2,128					
Longtail tuna	LOT	3604	642					
Albacore	ALB	3605	225					
Eastern little tuna	KAW	3606	1,309					
Frigate and bullet tuna	FRZ	3607	6,805					
Indo-pacific swordfish, sailfish and marlin	BIL	3608	8,096					
Narrow-baired king mackerel	COM	3609	4,362					
King mackerel	GUT	3610						
Straked seerfish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	TUN	3616						
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618						
Swordfish	SWO	3619						
Indo-pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI (TUNA)	OTH	3624						

* Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1997

1-4 Nominal Catch by Species
(7) Thailand

Catch Unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
	Species (group)	CODES						
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			80,559					
			Total	Hook and Line	Gill Net	Ring Net	Purse Seine	Trawl Net
Skipjack tuna		SKJ						
Yellowfin tuna		YFT						
Big-eye tuna		BET						
Longtail tuna		LOT	29,127					
Albacore		ALB						
Eastern little tuna		KAW	42,557					
Frigate and bullet tuna		FRZ						
Indo-pacific swordfish, sailfish and marlin		BIL						
Narrow-barred king mackerel		COM	8,875					
King mackerel		GUT						
Streked seerfish		STS						
Frigate tuna		FRI						
Bullet tuna		BLT						
Southern bluefin tuna		SBF						
Indo-pacific bonito		BIP						
Tunas and bonito NEI		TUN						
Wahoo		WAH						
Seerfish NEI		KGX						
Swordfish		SWO						
Indo-pacific sailfish		SFA						
Black marlin		BLM						
Indo-pacific blue marlin		BLZ						
Striped marlin		MLS						
Other NEI (TUNA)		OTH						

* Data extracted from The FAO Yearbook Fishery Statistics

2. MONTHLY LANDING BY SPECIES 1997

2.1 Catch and Fishing Effort by Month

(1) Brunei

(2) Malaysia

Peninsular Malaysia

West Coast of Peninsular

East Coast of Peninsular

Sabah

Sarawak

Labuan

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

(1) Brunei

Catch Unit in KG

Unit of fishing effort	Month													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
No. of units														
No. of trips														
No. of days														
No. of hauls														
TOTAL CATCH														
	73,046	5,104	4,148	6,956	4,719	8,068	3,513	1,361	3,794	12,443	7,415	7,433		
Species (group)	CODES	Code No.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Skipjack tuna	SKJ	3601	243	153	124	209	142	242	105	41	114	373	222	223
Yellowfin tuna	YFT	3602	81	51	41	70	47	81	35	14	38	124	74	74
Big-eye tuna	BET	3603												
Longtail tuna	LOT	3604	2,023	1,276	1,037	1,739	1,180	2,017	878	340	949	3,111	1,854	1,858
Albacore	ALB	3605												
Eastern little tuna	KAW	3606	4,532	2,858	2,323	3,895	2,643	4,518	1,967	762	2,125	6,968	4,152	4,162
Frigate and bullet tuna	FRZ	3607												
Indo-pacific swordfish, sailfish and marlin	BIL	3608												
Narrow-barred king mackerel	COM	3609												
King mackerel	GUT	3610												
Straked seerfish	STS	3611												
Frigate tuna	FRI	3612	1,214	766	622	1,043	708	1,210	527	204	569	1,866	1,112	1,115
Bullet tuna	BLT	3613												
Southern bluefin tuna	SBF	3614												
Indo-pacific bonito	BIP	3615												
Tunas and bonito NEI	TUN	3616												
Wahoo	WAH	3617												
Seerfish NEI	KGX	3618												
Swordfish	SWO	3619												
Indo-pacific sailfish	SFA	3620												
Black marlin	BLM	3621												
Indo-pacific blue marlin	BLZ	3622												
Striped marlin	MLS	3623												
Other NEI (TUNA)	OTH	3624												

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified (2) Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Month													
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
No. of units														
No. of trips														
No. of days														
No. of hauls														
	64,719	4,216	3,450	5,664	4,461	4,483	7,178	5,865	5,298	4,880	5,931	8,007	5,286	
TOTAL CATCH														
Species (group)	CODES	Code No.												
Skipjack tuna	SKJ	3601	77	63	113	81	85	156	123	111	104	124	174	105
Yellowfin tuna	YFT	3602												
Big-eye tuna	BET	3603	948	772	1,385	994	1,043	1,920	1,510	1,365	1,520	2,131	1,282	
Longtail tuna	LOT	3604												
Albacore	ALB	3605												
Eastern little tuna	KAW	3606	1,834	1,494	2,680	1,922	2,018	3,714	2,921	2,641	2,941	4,122	2,480	
Frigate and bullet tuna	FRZ	3607												
Indo-pacific swordfish, sailfish and marlin	BIL	3608	29	31	36	46	17	5	55	42	38	18	22	
Narrow-barred king mackerel	COM	3609												
King mackerel	GUT	3610												
Streaked seerfish	STS	3611												
Frigate tuna	FRI	3612	113	92	165	118	124	229	180	163	181	254	153	
Bullet tuna	BLT	3613												
Southern bluefin tuna	SBF	3614												
Indo-pacific bonito	BIP	3615												
Tunas and bonito NEI	TUN	3616												
Wahoo	WAH	3617												
Seerfish NEI	KGX	3618	1,214	998	1,285	1,300	1,195	1,154	1,076	976	1,127	1,309	1,244	
Swordfish	SWO	3619												
Indo-pacific sailfish	SFA	3620												
Black marlin	BLM	3621												
Indo-pacific blue marlin	BLZ	3622												
Striped marlin	MLS	3623												
Other NEI (TUNA)	OTH	3624												

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified

(2) Malaysia

Sub-area: Peninsular Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Month												
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No. of units													
No. of trips													
No. of days													
No. of hauls													
TOTAL CATCH													
	30,380	1,215	1,689	1,978	2,548	2,663	2,918	2,787	2,076	2,821	2,851	5,025	1,809
Species (group)	CODES	Code No.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	NOV	DEC
Skipjack tuna	SKJ	3601	17	34	36	52	56	60	41	63	59	110	30
Yellowfin tuna	YFT	3602											
Big-eye tuna	BET	3603											
Longtail tuna	LOT	3604	211	417	442	644	686	738	502	769	719	1,355	370
Albacore	ALB	3605											
Eastern little tuna	KAW	3606	408	806	855	1,245	1,326	1,422	971	1,488	1,391	2,620	715
Frigate and bullet tuna	FRZ	3607											
Indo-pacific swordfish, sailfish and marlin	BIL	3608	4	1	1	12		1		2	1	1	7
Narrow-barred king mackerel	COM	3609											
King mackerel	GUT	3610											
Straked seerfish	STS	3611											
Frigate tuna	FRI	3612	25	50	53	77	82	88	60	92	86	161	44
Bullet tuna	BLT	3613											
Southern bluefin tuna	SBF	3614											
Indo-pacific bonito	BIP	3615											
Tunas and bonito NEI	TUN	3616											
Wahoo	WAH	3617											
Seerfish NEI	KGX	3618	549	382	591	518	514	604	502	408	596	777	643
Swordfish	SWO	3619											
Indo-pacific sailfish	SFA	3620											
Black marlin	BLM	3621											
Indo-pacific blue marlin	BLZ	3622											
Striped marlin	MLS	3623											
Other NEI (TUNA)	OTH	3624											

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified

(2) Malaysia

Sub-area: West Coast of Peninsular Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Month													
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
No. of units	10,543	640	536	817	1,021	926	1,354	1,272	727	655	711	909	975	
No. of trips														
No. of days														
No. of hauls														
TOTAL CATCH														
Species (group)	CODES	Code No.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Skipjack tuna	SKJ	3601	6	6	10	18	16	26	26	13	13	10	12	12
Yellowfin tuna	YFT	3602												
Big-eye tuna	BET	3603												
Longtail tuna	LOT	3604	79	77	118	224	200	314	317	155	154	119	141	152
Albacore	ALB	3605												
Eastern little tuna	KAW	3606	154	149	228	433	387	607	613	300	299	230	273	293
Frigate and bullet tuna	FRZ	3607												
Indo-pacific swordfish, sailfish and marlin	BIL	3608	5											
Narrow-barred king mackerel	COM	3609												
King mackerel	GUT	3610												
Straked seerfish	STS	3611												
Frigate tuna	FRI	3612	244	9	14	27	24	37	38	18	18	14	17	18
Bullet tuna	BLT	3613												
Southern bluefin tuna	SBF	3614												
Indo-pacific bonito	BIP	3615												
Tunas and bonito NEI	TUN	3616												
Wahoo	WAH	3617												
Seerfish NEI	KGX	3618	391	295	448	320	299	371	279	241	171	339	466	495
Swordfish	SWO	3619												
Indo-pacific sailfish	SFA	3620												
Black marlin	BLM	3621												
Indo-pacific blue marlin	BLZ	3622												
Striped marlin	MLS	3623												
Other NEI (TUNA)	OTH	3624												

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified (2) Malaysia

Sub-area: East Coast of Peninsular Malaysia

Catch Unit in Tonnes

Unit of fishing effort	Month														
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
No. of units															
No. of trips															
No. of days															
No. of hauls															
TOTAL CATCH															
Species (group)	CODES	Code No.	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Skipjack tuna	SKJ	3601	451	11	28	26	34	40	35	34	28	50	49	99	18
Yellowfin tuna	YFT	3602													
Big-eye tuna	BET	3603													
Longtail tuna	LOT	3604	5,538	132	340	324	420	486	424	419	347	615	600	1,213	218
Albacore	ALB	3605													
Eastern little tuna	KAW	3606	10,712	255	657	627	813	939	821	810	671	1,189	1,161	2,347	422
Frigate and bullet tuna	FRZ	3607													
Indo-pacific swordfish, sailfish and marlin	BIL	3608	25	4	1	1	12		1			2	1	1	2
Narrow-barred king mackerel	COM	3609													
King mackerel	GUT	3610													
Streaked seerfish	STS	3611													
Frigate tuna	FRI	3612	660	16	40	39	50	58	51	50	41	73	72	145	26
Bullet tuna	BLT	3613													
Southern bluefin tuna	SBF	3614													
Indo-pacific bonito	BIP	3615													
Tunas and bonito NEI	TUN	3616													
Wahoo	WAH	3617													
Seerfish NEI	KGX	3618	2,451	158	87	143	198	215	233	203	261	237	257	311	148
Swordfish	SWO	3619													
Indo-pacific sailfish	SFA	3620													
Black marlin	BLM	3621													
Indo-pacific blue marlin	BLZ	3622													
Striped marlin	MLS	3623													
Other NEI (TUNA)	OTH	3624													

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified
(2) Malaysia

Sub-area: Sabah

Catch Unit in Tonnes

Unit of fishing effort	Month		TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	CODES	Code No.													
TOTAL CATCH															
No. of units			18,926	1,827	1,578	1,668	1,443	1,246	1,683	1,473	1,222	1,308	1,664	1,717	2,097
No. of trips															
No. of days															
No. of hauls															
Species (group)															
Skipjack tuna	SKJ	3601	364	33	28	30	24	23	36	28	24	26	36	35	41
Yellowfin tuna	YFT	3602													
Big-eye tuna	BET	3603	4,468	403	344	367	294	282	445	340	289	316	442	435	509
Longtail tuna	LOT	3604													
Albacore	ALB	3605													
Eastern little tuna	KAW	3606	8,642	780	666	711	569	545	860	658	560	611	856	842	985
Frigate and bullet tuna	FRZ	3607													
Indo-pacific swordfish, sailfish and marlin	BIL	3608	312	22	28	32	34	5	4	55	42	21	37	17	15
Narrow-barred king mackerel	COM	3609													
King mackerel	GUT	3610													
Straked seerfish	STS	3611													
Frigate tuna	FRI	3612	532	48	41	44	35	34	53	41	34	38	53	52	61
Bullet tuna	BLT	3613													
Southern bluefin tuna	SBF	3614													
Indo-pacific bonito	BIP	3615													
Tunas and bonito NEI	TUN	3616													
Wahoo	WAH	3617													
Seerfish NEI	KGX	3618	4,607	541	471	484	486	357	285	352	273	296	240	336	486
Swordfish	SWO	3619													
Indo-pacific sailfish	SFA	3620													
Black marlin	BLM	3621													
Indo-pacific blue marlin	BLZ	3622													
Striped marlin	MLS	3623													
Other NEI (TUNA)	OTH	3624													

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified

(2) Malaysia

Sub-area: Sarawak

Catch Unit in Tonnes

Unit of fishing effort	Month													
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
No. of units														
No. of trips														
No. of days														
No. of hauls														
	3,486	101	119	257	356	376	421	337	308	258	420	362	171	
TOTAL CATCH														
Species (group)	CODES	Code No.												
Skipjack tuna	SKJ	3601			17	8	4	1	1	1	1	1	1	2
Yellowfin tuna	YFT	3602												
Big-eye tuna	BET	3603												
Longtail tuna	LOT	3604	15	6	26	67	49	38	40	24	34	66	12	
Albacore	ALB	3605												
Eastern little tuna	KAW	3606	8	20	74	93	113	75	69	89	103	93	44	
Frigate and bullet tuna	FRZ	3607												
Indo-pacific swordfish, sailfish and marlin	BIL	3608												
Narrow-barred king mackerel	COM	3609												
King mackerel	GUT	3610												
Streked seerfish	STS	3611												
Frigate tuna	FRI	3612	2		0	6	6	3	6	3	3	17	5	
Bullet tuna	BLT	3613												
Southern bluefin tuna	SBF	3614												
Indo-pacific bonito	BIP	3615												
Tunas and bonito NEI	TUN	3616												
Wahoo	WAH	3617												
Seerfish NEI	KGX	3618	76	93	157	203	251	220	192	142	279	184	108	
Swordfish	SWO	3619												
Indo-pacific sailfish	SFA	3620												
Black marlin	BLM	3621												
Indo-pacific blue marlin	BLZ	3622												
Striped marlin	MLS	3623												
Other NEI (TUNA)	OTH	3624												

2 MONTHLY LANDING BY SPECIES - 1997

2-1 Catch and Fishing Effort by Month

2-1-1 Unclassified

(2) Malaysia

Sub-area: Labuan

Catch Unit in Tonnes

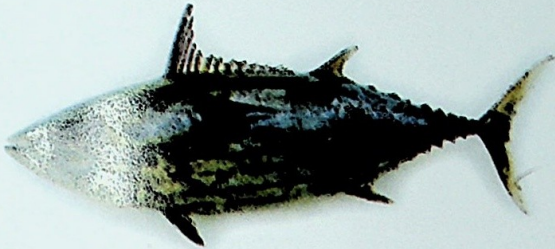
Unit of fishing effort	Month												
	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No. of units	11,927	1,073	64	1,761	114	198	2,156	1,268	1,692	493	996	903	1,209
No. of trips	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
No. of days	298	27	0	44	1	2	56	32	44	13	26	23	31
No. of hauls	3,661	326	3	544	14	21	683	397	537	154	314	284	383
	7,081	631	6	1,052	27	40	1,322	769	1,038	298	607	550	742
	20	3	2	3		12							
	436	39	0	65	2	2	81	47	64	18	37	34	46
	431	48	52	53	71	121	14	22	9	10	12	12	7
Species (group)	CODES	Code No.											
Skipjack tuna	SKJ	3601											
Yellowfin tuna	YFT	3602											
Big-eye tuna	BET	3603											
Longtail tuna	LOT	3604											
Albacore	ALB	3605											
Eastern little tuna	KAW	3606											
Frigate and bullet tuna	FRZ	3607											
Indo-pacific swordfish, sailfish and marlin	BIL	3608											
Narrow-barred king mackerel	COM	3609											
King mackerel	GUT	3610											
Streked seerfish	STS	3611											
Frigate tuna	FRI	3612											
Bullet tuna	BLT	3613											
Southern bluefin tuna	SBF	3614											
Indo-pacific bonito	BIP	3615											
Tunas and bonito NEI	TUN	3616											
Wahoo	WAH	3617											
Seerfish NEI	KGX	3618											
Swordfish	SWO	3619											
Indo-pacific sailfish	SFA	3620											
Black marlin	BLM	3621											
Indo-pacific blue marlin	BLZ	3622											
Striped marlin	MLS	3623											
Other NEI (TUNA)	OTH	3624											

APPENDIX

Common Tuna Species In The South China Sea Area



Thunnus albacares
(Yellowfin tuna)



Katsuwonus pelamis
(Skipjack tuna)



Auxis thazard
(Frigate tuna)



Thunnus tonggol
(Longtail tuna)

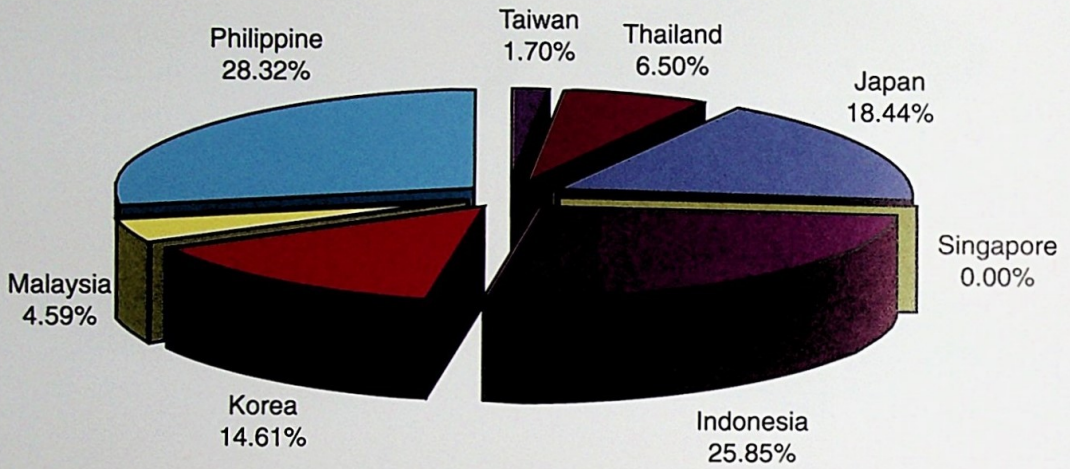


Euthynnus affinis
(Eastern little tuna)

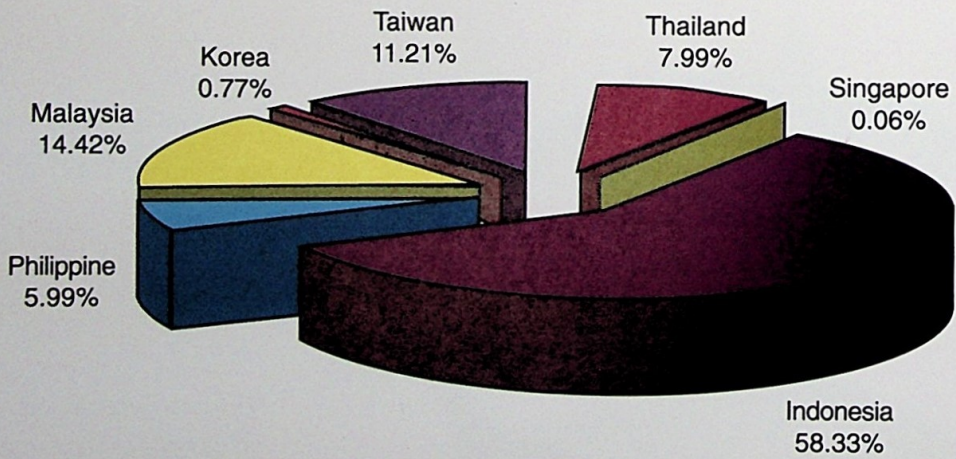


Thunnus obesus
(Big eye)

Tuna Landings in Southeast Asian Region -1997-



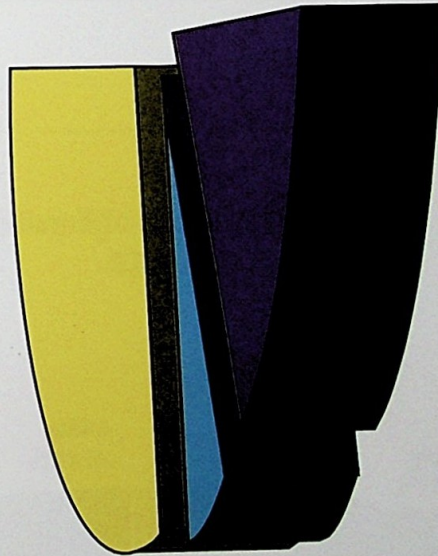
Tuna Like Species Landings in Southeast Asian Region -1997-



Tuna Landing by Area in Malaysia -1997-

Sabah
29.24%

Labuan
18.43%

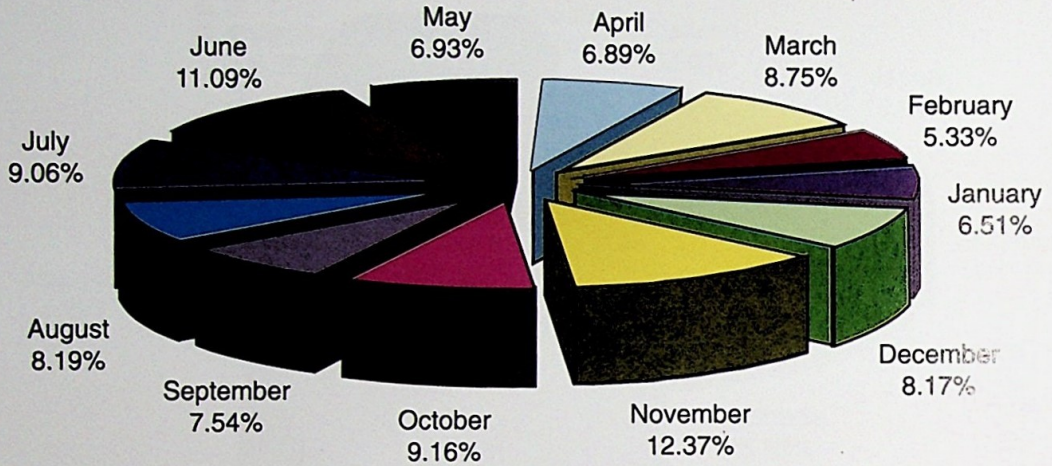


Sarawak
5.39%

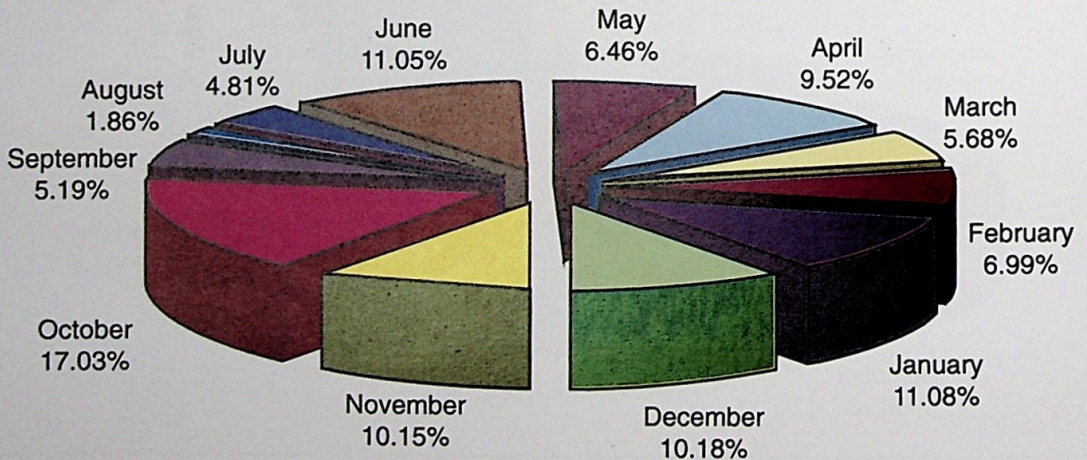
East Coast of Peninsular
30.65%



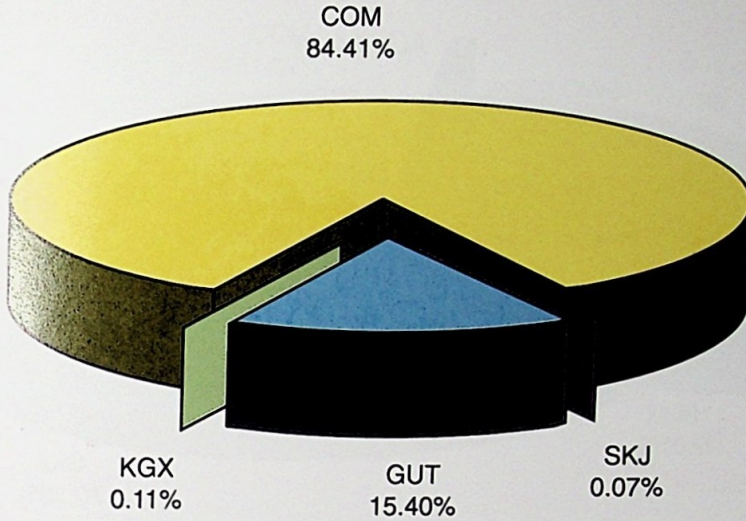
Monthly Landings of Tuna in Malaysia -1997-



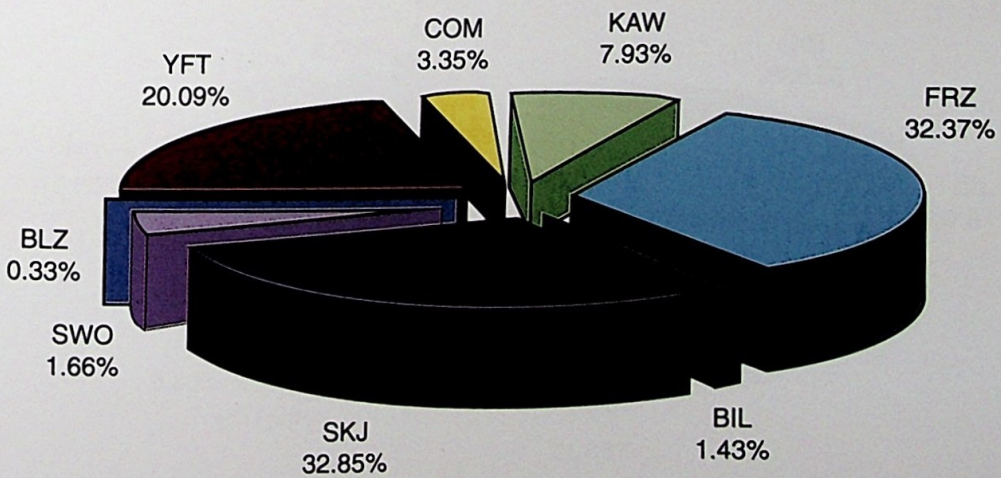
Monthly Landings of Tuna in Brunei -1997-



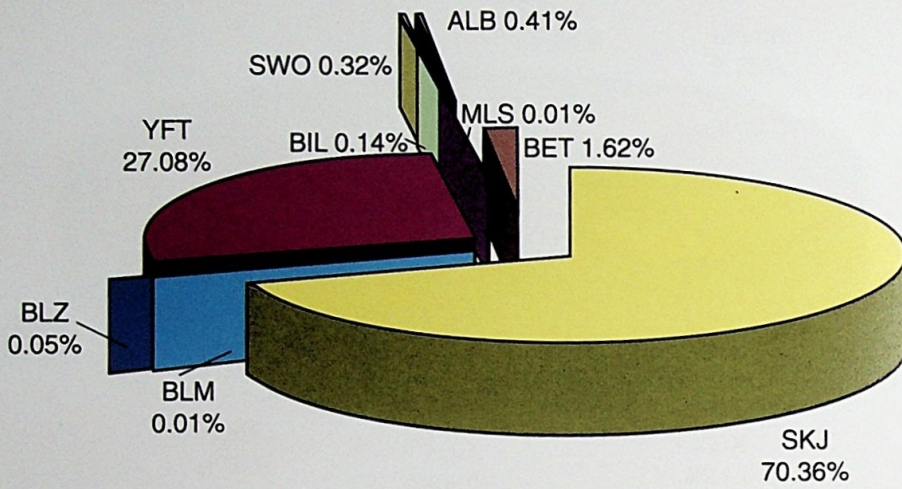
Tuna Landing by Species in Indonesia -1997-



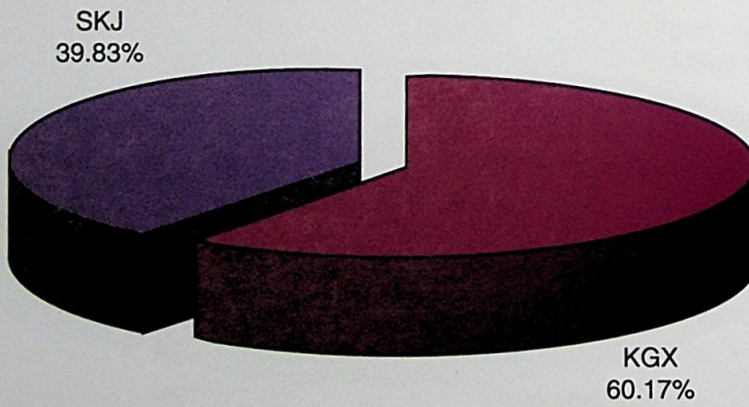
Tuna Landing by Species in Philippines -1997-



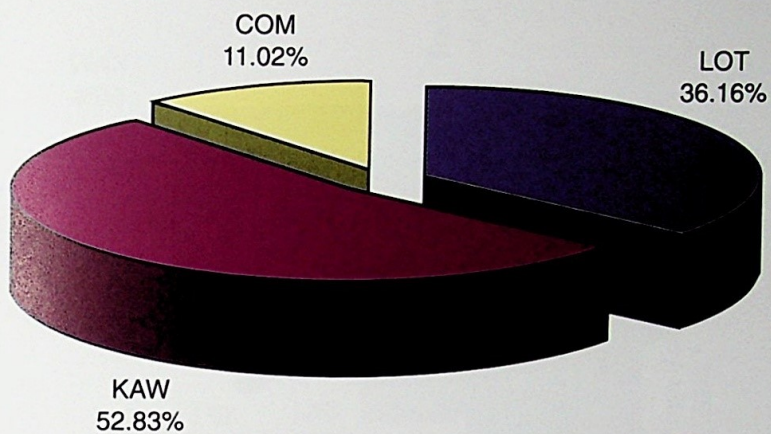
Tuna Landing by Species in Korea -1997-



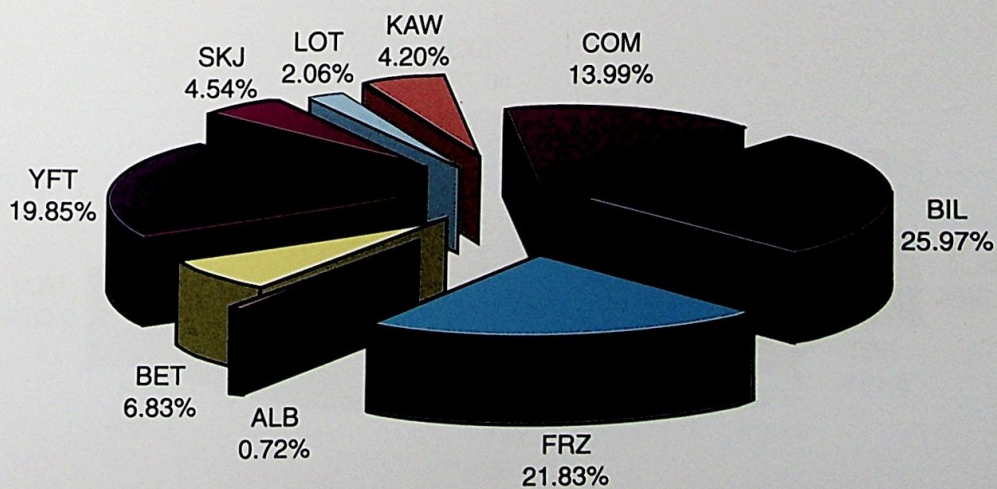
Tuna Landing by Species in Singapore -1997-



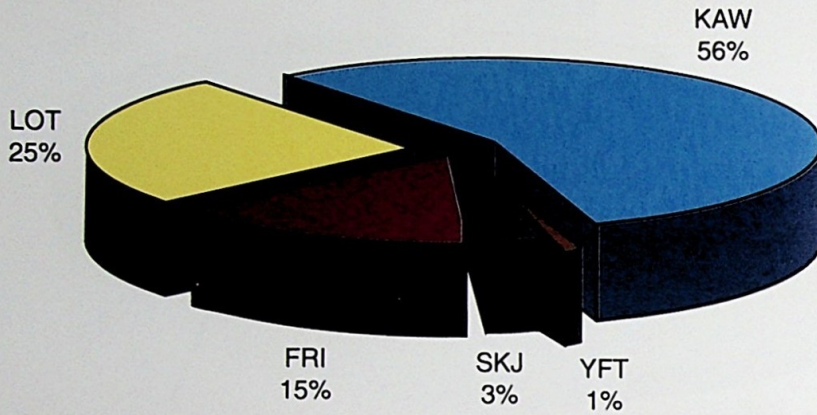
Tuna Landing by Species in Thailand -1997-



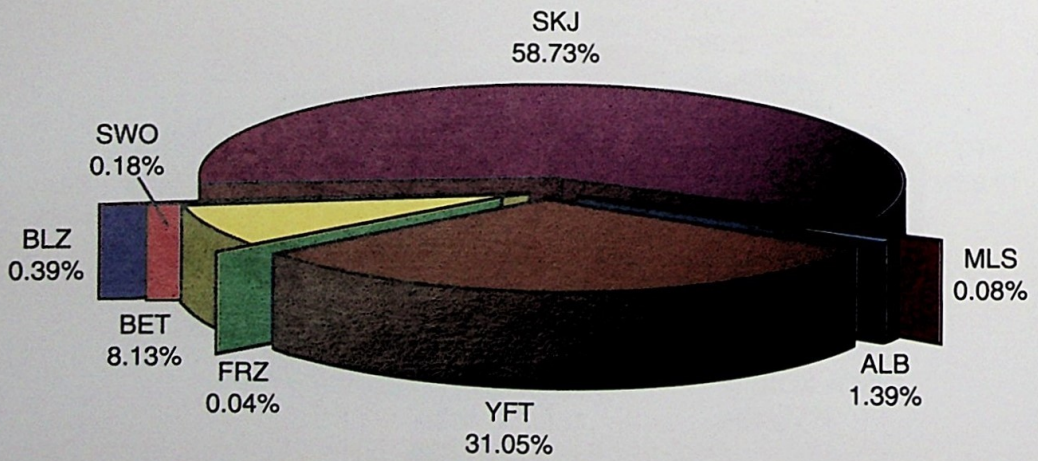
Tuna Landing by Species in Taiwan -1997-



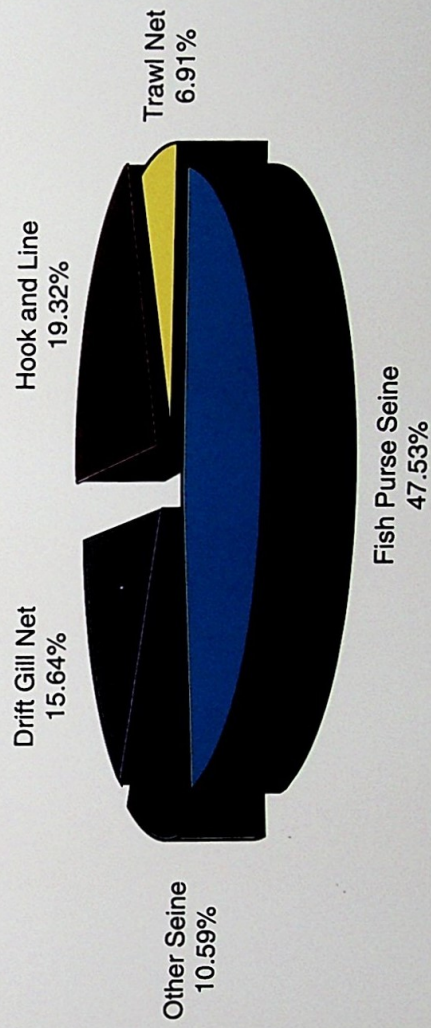
Tuna Landing by Species in Brunei -1997-



Tuna Landing by Species in Japan -1997-



Tuna Landing by Type of Fishing Gear in Malaysia -1997-



SEAFDEC/M