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MARINE FISHERY RESOURCES
DEVELOPMENT AND MANAGEMENT
DEPARTMENT OF SEAFDEC

KUALA TERENGGANU, MALAYSIA



SEAFDEC/MFRDMD/ST/10

THE TUNA FISHERIES STATISTICS FOR THE SOUTH CHINA SEA AREA

1999

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

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Southeast Asian Fisheries Development Center (SEAFDEC)

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FOREWORD

This Tuna Fishery Statistics for the South China Sea Area (1999) is the fourth in a series of publication beginning in 1996 undertaken by the SEAFDEC Marine Fishery Resources Development and Management Department (MFRDMD). The next publication for the year 2000 and onwards shall be decided later during the coming technical meeting to be held in June 2003 in Bangkok. The meeting will also discuss on some outstanding problems in getting data required for this bulletin to ensure its continued publication in whatever forms necessary.

Former publications have been distributed to all interested parties, which include the SEAFDEC Member Countries, Research Institutions and International Organizations, as references and supporting documents toward a more responsible tuna resource management as outlined during the SEAFDEC Conference for food security.

The success of this publication depends essentially on the close working cooperation that has existed between the national liaison officers of the SEAFDEC Member Countries and MFRDMD. Such cooperation still has room for improvement as recommended during the ASEAN-SEAFDEC Conference, which was held in Bangkok in November 2001. The complete and timely data submission is essential to ensure the publication of this bulletin is on schedule.

Information provided in this publication comprises mostly from the returned questionnaires by national liaison officers of the SEAFDEC Member Countries, while some have been extracted from the FAO Yearbook Fishery Statistics and SEAFDEC Fishery Statistical Bulletin For The South China Sea Area. We wish to express our heartfelt appreciation to the Fisheries Departments of Brunei Darussalam, Malaysia and Thailand for providing the valuable information that enable us to compile and produce this bulletin.

Ibrahim bin Saleh

Chief,

Marine Fishery Resources Development And Management Department (MFRDMD) Kuala Terengganu

Kuala Telenggan

Malaysia.

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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 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 1999.

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).
 - 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 50 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 1999

Catch and Fishing Effort by Type of Fishing Gear

Fish Purse Seine

: Malaysia

Trawl Net

: Malaysia

Other Seine

: Malaysia

Drift Gill Net

: Malaysia

Hook and Line

: Malaysia

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

Fish Purse Seine

: Malaysia

Trawl Net

: Malaysia

Drift Gill Net

: Malaysia

Hook and Line

: Malaysia

2. Monthly Landing Statistics 1999

Monthly Landings by Countries and Sub-areas

(1) 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. 1996. 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			SF	EAFDEC
Div.	Group	Code	Name	Code No.	Family / Scientific name
3.	36. Tunas	SKJ	1. Skipjack tuna	3601	Scombridae - Katsuwonus pelamis
		YFT	2. Yellowfin tuna	3602	Scombridae - Thunnus albacares
		BET	3. Big-eye tuna	3603	Scombridae - Thunnus obesus
		LOT	4. Longtail tuna	3604	Scombridae - Thunnus tonggol
		ALB	5. Albacore	3605	Scombridae - Thunnus alalunga
		KAW	6. Eastern little tuna	3606	Scombridae - Euthynnus affinis
		FRZ	7. Frigate tuna and bullet tuna	3607	Scombridae - Auxis spp
		BIL	8. Indo-Pacific swordfish, sailfishes and	3608	Istiophoridae - <i>Istiophorus</i> spp. <i>Makaira</i> spp.
		XIP	marlins		Xiphiidae - Xiphias spp.
•		СОМ	9. Narrow-barred king mackerel	3609	Scombridae - Scomberomorus commerson
		GUT	10. King mackerels	3610	Scombridae - Scomberomorus guttatus
		STS	11. Streaked seerfish	3611	Scombridae - Scomberomorus lineolatus
		FRI	12. Frigate tuna	3612	Scombridae - Auxis thazard
		BLT	13. Bullet tuna	3613	Scombridae - Auxis rochei
		SBF	14. Southern bluefin tuna	3614	Scombridae - Thunnus maccoyii
		BIP	15. Indo-pacific bonito	3615	Scombridae - Sarda orientalis
		TUN	16. Tunas and bonito NEI	3616	Scombridae - Thunini and sardini NEI
		WAH	17. Wahoo	3617	Scombridae - Acanthocybium solandri
		KGX	18. Seerfishes NEI	3618	Scombridae - Scomberini NEI
		SWO	19. Swordfish	3619	Xiphiidae - Xiphias gladius
		SFA	20. Indo-pacific sailfish	3620	Istiophoridae - Istiophorus pltypterus
		BLM	21.Black marlin	3621	Istiophoridae - Makaira indica
		BLZ	22. Indo-pacific blue marlin	3622	Istiophoridae - Makaira mazara



STATISTICAL TABLES FOR 1999



1. ANNUAL LANDING BY SPECIES 1999

- 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

정시되었어 있다가 들어졌다. 그는 병원이 나를 받는데 되어 하다			
그 경기가 하기를 만들었다. 얼마 없는데 얼마 되었다.			
옷이에 사람은 사업을 하셨습니? 그리고 아름이 살아 있다고 말했다.			
강동물이라다 그 사람들이 얼마를 하는 것이 살아 먹었다.			
김 교육의 경영 및 경기를 느면 그렇게 스타일을 하면 하는			
		` .	
그리즘 그리고 하나 이 경기 가는 그 전에 하셨다고 그래요?			
	~		
김 시간 김 씨는 가는 것이 없어 있어요. 그는 것 같은 그 모든			
MATRIC 이 교회에서 보고 200 전 200 H - 이번 200 H -			
생활 시간 얼마를 하는 그들이 하는 것은 사람이 되었다.			
[[[전대][[]]]] [[[] [[] [] [] [] [] []			
그리는 사람들이 얼마나 되었다.			

1 ANNUAL LANDING BY SPECIES - 1999

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			5,763	2,134	3,629	•	-	1
No. of trips			58,843	24,983	33,860	,		•
No. of days			91,328	34,656	56,672		1	٠
No. of hauls			310,253	57,894	252,359		,	-
TOTAL CATCH			47,458	7,865	23,978	8,100	447	7,068
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	44,725	7,679	21,537	8,028	434	7,047
Frigate and bullet tuna	FRZ	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	1,812	0	1,812	0	0	0
Narrow-barred king mackerel	сом	3609						
King mackerel	GUT	3610	921	186	629	72	13	21
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	NUT	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 - 1999

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	(1)								
TALCATCH S8,743 44,238 14,505	3		Sub-area	Total	West Coast of Peninsular	East Coast of Peninsular	Sabah	Sarawak	Labuan
TAL CATCH TAL CATCH TAL SATCH TAL CATCH TAL CASA TO A SARWA TAL	Unit of fishing effort			58 743	44.238	14,505		-	•
S	No. of fishing units		_	740 040	413 078	127 762		•	•
TOTAL CATCH CODES Code No. TOTAL TOTAL CATCH Species (group) SA45 2,339 1,024 854 1,155 1,024 Species (group) SKJ 3601 SKJ 3601 SKJ 3601 SKJ 3603 SKJ 3604 SKJ 3604 SKJ 3604 SKJ 3604 SKJ 3604 SKJ 3605 SENOrdish, salifish and mariin FRZ 3607 STS 3611 STS 3611 STS 3614 STS 3614 STS 3614 STS 3614 SENORGISH, salifish and mariin FRZ 3613 SWO SA15 SA268 SP8 SS4 1,153 SENORGISH, SENOR	No. of trips			1 023 244	784 824	238.420	'	•	1
TOTAL CATCH SJAPA, 200 C.101, 100 C.	No. of days			2 2/5/5/5	2 101 254	1 154 204	•	•	•
TOTAL CATCH CODES Code No. TOTAL West Coast P East Coast P East Coast P Sabah Sarawak 1 1 1 1 1 1 1 1 1				5 446	2 220	1 024	854	1.155	73
CODES Code No. TOTAL West Coast Cast Ca	TOTAL CATCH			0,440	2,337	East Coast D	Sahah	Sarawak	Labuan
SKJ 3601 YFT 3602 BET 3603 BET 3603 LOT 3604 LOT 3604 ALB 3605 KAW 3606 129 71 45 0 2 ullet tuna FRZ 3607 GUT 3610 SISh Sigh and marlin efin tuna efin tuna bonito mito NEI TUNA) SKJ 3602 BET 3603 BET 3603 BET 3603 ALB 3606 FRZ 3607 FRZ 3607 FRZ 3607 3610 5,315 2,268 978 854 1,153 0 0 1 0 0 2 1 0 0 0 0 0 0 0 1 0 0 1 1	Species (group)	CODES	Code No.	TATOL	West Coast F	East Cuast r	Japan	Culture	
BET 3602		SKJ	3601						
BET 3603	Yellowfin tuna	YFT	3602						
LOT 3604	Big-eye tuna	BET	3603						
ALB 3605 129 71 45 0 2 2 2 2 2 2 2 2 2	Longtail tuna	TOT	3604						
tuna (KAW 3606 129 71 43 607 129 11 10 0 0 1 1 00 0 0 1 0 0 1 0 0 0 0 1 0	Albacore	ALB	3605	5	1	À	>	2	<u> </u>
ullet tuna FRZ 3607 1 0 1 0	Eastern little tuna	KAW	3606	129	1	ŧ.	•	t	:
swordfish, sailfish and marlin BIL COM 3609 GUT 3610 3609 GUT 3610 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Frigate and bullet tuna	FRZ	3607		,	•	>	>	0
dd king mackerel COM GUT 3609 3610 5,315 2,268 978 854 1,153 el STS 3611 5,315 2,268 978 854 1,153 ish FRI 3610 5,315 2,268 978 854 1,153 ish FRI 3612 3613 3613 3613 3613 3613 3614 3614 3615 3615 3615 3615 3616 3617 3618 3617 3618 3619 3618 3620 3620 3620 3620 3620 3620 3622 3622 3622 3623 3623 3623 3623 3624	Indo-pacific swordfish, sailfish and marlin	BIL	3608	,	C	-	<u> </u>	•	•
el GUT 3610 5,315 2,268 978 834 1,133 ish FRI 3612 BLT 3613 SBF 3614 bonito TUN 3616 WAH 3617 KGX 3618 SWO 3619 sailfish SFA 3621 blue marlin MLS 3623 in OTH 3624	Narrow-barred king mackerel	COM	3609				2		3
ish STS FRI BLT SBF bonito Donito NEI SBF BIP TUN WAH KGX SWO SFA BLM BLM BLZ MLS MLS OTH	King mackerel	GUT	3610	5,315	2,268	978	854	1,153	0,
efin tuna Effi tuna Effi tuna Effi tuna Effi SBF BIP TUN WAH KGX SWO SFA BLM BLM BLZ MLS MLS OTH	Streked scerfish	STS	3611						
bonito mito NEI mito NEI mito NEI MAH KGX SWO SFA BLM BLM BLZ MLS MLS OTH	Frigate tuna	FRI	3612						
efin tuna SBF bonito TUN WAH KGX SWO Sailfish SFA BLM BLZ MLS MLS OTH	Bullet tuna	BLT	3613						
bonito BIP TUN WAH KGX SWO Sailfish Sailfish BLM BLZ In MLS OTH TUNA) BIP WAH KGX SWO SFA SWO SFA BLM BLZ MLS OTH	Southern bluefin tuna	SBF	3614	•					
sailfish sailfish blue marlin TUN WAH KGX SWO SFA BLM BLZ MLS In TUNA) OTH	Indo-pacific bonito	BIP	3615						
sailfish sailfish sailfish SWO SFA BLM blue marlin BLZ MLS In TUNA) OTH	Tunas and bonito NEI	NOT	3616		ě				
sailfish SWO SFA BLM blue marlin BLZ MLS In TUNA) OTH	Wahoo	WAH	3617						
sailfish sFA BLM blue marlin MLS MLS TUNA) SWO SHA BLZ MLS OTH	Seerfish NEI	KGX	3618						
ic sailfish lin ic blue marlin Arthree MLS arlin (TUNA) SFA BLM BLZ MLS OTH	Swordfish	SW C	3670						
rlin BLX MLS OTH	Indo-pacific sailfish	SFA	3621						
rlin BLZ OTH OTH	Black marlin	BLM	3627						
OTH	Indo-pacific blue marlin	BLZ	2622						
OTH	Striped marlin	MLS	3623						
	Other NEI (TUNA)	OTH	3624						

1 ANNUAL LANDING BY SPECIES - 1999

1-1 Catch and Fishing Effort by Type of Fishing Gear1-1-3 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
No. of fishing units			6,458	6,458	0	•	,	L
No. of trips			121,445	121,445	0	ī	•	•
No. of days			121,446	121,446	0	•	ı	ı
No. of hauls			934,572	934,572	0	'		
TOTAL CATCH			6,785	_	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	TOT	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	СОМ	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					1	
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI (TUNA)	ОТН	3624						

1 ANNUAL LANDING BY SPECIES - 1999

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-sited Total West Coast Peninsular (Principal Coast Peninsular Coast Peninsular Coast Peninsular Coast Peninsular (Principal Coast Peninsular Coast Peninsular Coast Peninsular Coast Peninsular Coast Peninsular Coast Peninsular (Principal Coast Peninsular Coast Peninsula			2		W. TO THE)			
(units (units 149,013 1,334,469 15,544 -	Unit of fishing effort		Sub-area	Total	of Peninsular	of Peninsular	Sabah	Sarawak	Labuan
17.285 249,794 67,491 -	No. of fishing units			149,013	1,334,469	15,544	,		,
2,084,896	No. of trips			317,285	249,794	67,491	•		1
TOTAL CATCH 13,075 4,905,336 708,657 -	No. of days			2,084,896	1,847,233	237,663		•	•
TOTALCATCH CODES Code No. TOTAL West Coast P East Coast P Sabah Sarawak	No. of hauls			5,613,993	4,905,336	708,657		•	Ī
Species (group) CODES Code No. TOTAL West Coast P East Coast P Sabah Sarawak a YFT 3601 4361 4362 4362 4364 4364 4364 4364 4366 2,448	TOTAL CATCH			13,075	2,727	889	4,630	4,738	91
a SKJ 3601	Species (group)	CODES	Code No.	TOTAL	West Coast P		Sabah	Sarawak	Labuan
a A PFT 3602 BET 3603 LOT 3604 ALB 3605 Unna LOT 3606 KAW 3606 5,404 604 438 1,866 2,448 Wordfish, sailfish and marlin BLL 3607 I King mackerel COM 3609 STS 3611 FRZ 3611 SBF 3614 BIT 3613 SBF 3614 BIP 3615 nito NEl WAH 3617 KGX 3618 SWO 3619 SFA 3621 UNA) OTH 3624 OTH 3624 OTH 3624	90.	SKJ	3601						
BET 3603	Yellowfin tuna	YFT	3602						
LOT 3604 ALB LOT 3605 3605 4 438 1,866 2,448 Illet tuna Wordfish, sailfish and marlin FRZ BIL 3607 3609 604 438 1,866 2,448 wordfish, sailfish and marlin BIL 3608 186 0 0 176 0 sh FRI 3610 7,485 2,123 451 2,588 2,290 sh FRI 3612 541 545 2,123 451 2,588 2,290 sh BLT 3613 3612 3613 451 2,588 2,290 sh BIP 3615 3618 2,123 451 2,588 2,290 sh BIP 3615 3618 2,290 3618 2,290 sh WAH 3617 3618 3618 3618 2,290 sh WAH 3619 3620 3621 3621 3622 ube marlin BLZ 3623 3623	Big-eye tuna	BET	3603				-		
ALB 3605 KAW 3606 5,404 604 438 1,866 2,448 Illet tuna Illet tuna BIL 3608 186 0 0 0 176 0 king mackerel COM 3609 7,485 2,123 451 2,588 2,290 sh STS 3611 7,485 2,123 451 2,588 2,290 fin tuna SBF 3614 BIP 3615 TUN 3616 7,485 2,123 451 2,588 2,290 siito NEI WAH 3617 KGX 3618 SWO 3619 SFA 3621 UNA) OTH 3624 UNA) ALB 3605 ALB 3605 ALB 3623 OTH 3624	Longtail tuna	TOT	3604						
una KAW 3606 5,404 604 438 1,866 2,448 Illet tuna FRZ 3607 186 0 0 176 0 wordfish, sailfish and marlin BIL 3608 186 0 0 176 0 wordfish, sailfish and marlin BIL 3609 186 0 0 176 0 sh STS 3611 7,485 2,123 451 2,588 2,290 sh FRI 3612 3613 3614 3615 3614 3616 3618 2,588 2,290 sh BIP 3615 3616 3617 3616 3617 3618 3618 3618 3618 3618 3618 3618 3618 3619 3618 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 3619 36	Albacore	ALB	3605						
Illet tuna FRZ 3607 wordfish, sailfish and marlin BIL 3608 186 0 0 176 0 sh mackerel COM 3609 186 0 0 176 0 sh STS 3610 7,485 2,123 451 2,588 2,290 sh FRI 3612 3613 3614 3613 3614 3615 3614 3615 3615 3615 3615 3615 3615 3615 3617 3618 3617 3618 3617 3618 3618 3617 3618 3620 3618 3620 3620 3620 3620 3620 3620 3620 3620 3620 3622 3623 3623 3624 3	Eastern little tuna	KAW	3606	5,404	604	438	1,866	2,448	48
wordfish, sailfish and marlin BIL 3608 186 0 0 176 0 I king mackerel COM 3609 7,485 2,123 451 2,588 2,290 sh FRI 3612 3613 451 2,588 2,290 sh FRI 3612 3613 451 2,588 2,290 sh BLT 3613 3613 3613 3613 451 2,588 2,290 sh BIP 3613 3613 3614 3614 3614 3614 3615 3615 3618 3618 3618 3618 3618 3618 3620 3618 3620 3618 3621 3622 3622 3622 3623 3623 3623 3623 3623 3623 3623 3623 3624 3623 3624 3624 3623 3624 3623 3624 3623 3623 3623 3623 3623 3623 3623 3623 <	Frigate and bullet tuna	FRZ	3607						
d king mackerel COM GUT 3609 3610 7,485 2,123 451 2,588 2,290 sh STS 3611 7,485 2,123 451 2,588 2,290 sh FRI 3612 3613 3613 3613 3613 3614 3613 3614 3614 3615 3615 3616 3616 3617 3618 3617 3618 3619 3618 3620 3618 3620 3619 3621 3622 3622 3623 3623 3623 3623 3623 3623 3623 3624 <td>Indo-pacific swordfish, sailfish and marlin</td> <td>BIL</td> <td>3608</td> <td>186</td> <td>0</td> <td>0</td> <td>176</td> <td>0</td> <td>10</td>	Indo-pacific swordfish, sailfish and marlin	BIL	3608	186	0	0	176	0	10
GUT 3610 7,485 2,123 451 2,588 2,290	Narrow-barred king mackerel	СОМ	3609						
sh STS 3611 FRI 3612 BLT 3613 SBF 3614 onito BIP 3615 TUN 3616 WAH 3617 KGX 3618 SWO 3619 silfish SFA 3620 BLM 3621 BLZ 3622 MLS 3623 UNA) OTH 3624	King mackerel	GUT	3610	7,485	2,123	451	2,588	2,290	33
fin tuna BLT SBF SBF TUN WAH KGX SWO SIIfish Luc marlin MLS OTH	Streked seerfish	STS	3611						
fin tuna SBF onito ONE WAH KGX SWO ailfish Lue marlin WAH KGX SWO SFA BLM BLZ MLS OTH	Frigate tuna	FRI	3612						
fin tuna SBF onito onito NEI WAH KGX SWO ailfish Lue marlin MLS OTH SBF WAH KGX SWO SFA BLM BLZ MLS OTH	Bullet tuna	BLT	3613						
onito Itito NEI WAH KGX SWO SIFA BLM Iue marlin BLZ MLS OTH	Southern bluefin tuna	SBF	3614						
TUN WAH KGX SWO SIFA BLM lue marlin BLZ MLS UNA) OTH	Indo-pacific bonito	BIP	3615						
WAH KGX SWO SIFA BLM BLZ MLS UNA) OTH	Tunas and bonito NEI	TUN	3616						
KGX SWO SIFA BLM BLZ MLS UNA) OTH	Wahoo	WAH	3617						
ailfish SFA SFA BLM BLZ MLS UNA) OTH	Seerfish NEI	KGX	3618						
ailfish SFA BLM BLZ Iue marlin MLS OTH OTH	Swordfish	ows	3619						
lue marlin BLM BLZ MLS OTH OTH	Indo-pacific sailfish	SFA	3620						
lue marlin BLZ MLS OTH OTH	Black marlin	BLM	3621						
UNA) MLS OTH	Indo-pacific blue marlin	BLZ	3622						
UNA) OTH	Striped marlin	MLS	3623			,			
	Other NEI (TUNA)	ОТН	3624						

1 ANNUAL LANDING BY SPECIES - 1999

1-1 Catch and Fishing Effort by Type of Fishing Gear I-I-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			23,871	9,839	14,032	•		,
No. of trips			70,037	34,314	35,723	1	1	ı
No. of days			325,817	107,199	218,618	1	•	•
No. of hauls			1,103,149	1,098,967	4,182	1		1
TOTAL CATCH			112,658	2	8,183	3,090	1,299	84
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	TOT	3604						
Albacore	ALB	3605						
Eastern little tuna	KAW	3606	8,583	0	6,602	1,049	932	0
Frigate and bullet tuna	FRZ	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	47	0	14	33	0	0
Narrow-barred king mackerel	COM	3609						
King mackerel	GUT	3610	4,028	2	1,567	2,008	367	84
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 1999

- 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

	무슨 가장 이번 사람은 이렇게 되었다. 이 그림을 하고 하고 모르고 있다면 하다고	
	맛있어. 이렇는데 보고 나타지는 생생님, 이번 사람들이 되었다.	
	하게 된 사람이 마련을 하게 하는 사람들이 아버지는 그는 것도 없다.	
이번 하는 맛이 아름답지만 살 먹는 바로 되었다.		
	선생님, 이 얼마는 이렇다고 이 있다고 말했다. 그 그에 그리지 않는다고 있었다.	
	어떤 사람들은 이번 아내가 살아서는 그렇게 그런 뭐라는 이 때문에 다 먹었다.	
	하늘 없는데 하이는 사람들은 사람들이 살아 있다는 하는 사람들이 모르는 사람들이 모르는 사람들이 모르는 사람들이 되었다.	
	하지 않는데 그는 그런 그는 어느 그를 가는 어느는 어머니는 이 목표를 하는데 그 때문	

ANNUAL LANDING BY SPECIES - 1999
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
Cumulative no. of fishing units			91	5	86
Cumulative no. of trips			1,324	94	1,230
Cumulative no. of days			1,324	94	1,230
Cumulative no. of hauls			3,161	396	2,765
TOTAL CATCH			329	2	327
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	TOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606	327	0	327
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Nаrrow-barred king mackerel	СОМ	3609			
King mackerel	GUT	3610	2	2	0
Streked seerfish	STS	3611	08		
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			

I ANNUAL LANDING BY SPECIES - 1999
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
Cumulative no. of fishing units			1,073	9	1,064
Cumulative no. of trips			14,445	134	14,311
Cumulative no. of days			15,561	134	15,427
Cumulative no. of hauls			45,352	1,079	44,273
TOTAL CATCH			1,279	899	380
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	1,145	896	249
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-barred king mackerel	СОМ	3609			
King mackerel	GUT	3610	134	w	131
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)	ОТН	3624			

ANNUAL LANDING BY SPECIES - 1999
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

		H .			
Unit of fishing effort		Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units			1,103	442	661
Cumulative no. of trips			13,186	6,140	7,046
Cumulative no. of days			17,271	6,140	11,131
Cumulative no. of hauls			69,584	14,170	55,414
TOTAL CATCH			7,614	11	7,603
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	5,491	=	5,480
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	1,812	0	1,812
Narrow-barred king mackerel	СОМ	3609			
King mackerel	GUT	3610	311	0	311
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)	ОТН	3624			

1 ANNUAL LANDING BY SPECIES - 1999
 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

		Sub area			
I hit of fishing effort		Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units			2,236	1,288	948
Cumulative no. of trips			25,716	16,795	8,921
Cumulative no. of days			34,857	20,600	14,257
Cumulative no. of hauls			97,235	35,218	62,017
TOTAL CATCH			8,673	3,765	4,908
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	TOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606	8,451	3,694	4,757
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	222	71	151
Streked seerfish	STS	3611			
Frigate tuna	FRI	3612			
Bullet tuna	BLT	3613			
Southern bluefin tuna	SBF	3614	, Al		
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616			
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618			
Swordfish	SWO	3619	e#11		
Indo-pacific sailfish	SFA	3620	ta ^{rm}		
Black marlin	BLM	3621			
Indo-pacific blue marlin	BLZ	3622			
Striped marlin	MLS	3623			
Other NEI (TUNA)	HIO	3624			

ANNUAL LANDING BY SPECIES - 1999
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

		Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units			1,260	390	870
Cumulative no. of trips			4,170	1,820	2,350
Cumulative no. of days			22,315	7,688	14,627
Cumulative no. of hauls			94,921	7,031	87,890
TOTAL CATCH			13,950	3,190	10,760
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	13,802	3,078	10,724
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0		0
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610	148	112	36
Streked seerfish	STS	3611			
Frigate tuna	FRI	3612			2000
Bullet tuna	BLT	3613			ŀ
Southern bluefin tuna	SBF	3614			
Indo-pacific bonito	BIP	3615			
Tunas and bonito NEI	TUN	3616			
Wahoo	WAH	3617			
Seerfish NEI	KGX	3618			3
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)	ОТН	3624			

ANNUAL LANDING BY SPECIES - 1999
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

				3024	OIH	Other NEI (TUNA)
Total West Coast P				3623	MLS	Striped marlin
Total West Coast P				3622	BLZ	Indo-pacific blue marlin
Total West Coast P ve no. of fishing units 10,827 7,360 ve no. of days 170,324 119,183 ve no. of days 170,620 119,183 ve no. of hauls 170,620 119,183 ve no. of hauls 200 119,183 ve no. of hauls 425,291 264,138 ve no. of hauls 64 27 ve no. of hauls 64 26,291 ve no. of hauls 64 27 uma 64 27 uma 64 27 uma 10 3603 uma 10 3603 BET 3603 3603 BET 3603 3603 Ha 10 427 KAW 3605 0 0 GUT 3608 0 0 West Coast P 0 0 0 West Coast P 0 0 0 GUT 3608 0 0<				3621	BLM	Black marlin
shing effort Total West Coast P ve no. of fishing units 10,827 7,360 ve no. of days 170,384 119,183 ve no. of days 170,384 119,183 ve no. of days 170,384 119,183 ve no. of hauls 170,384 119,183 ve no. of hauls 200 119,183 ve no. of hauls 425,291 264,138 ve no. of hauls 5KJ 3601 ve no. of hauls 5KJ 3601 ve no. of hauls 5KJ 3601 burna 5KJ 3601 huna 1LOT 3602 huna 1LOT 3603 huna 1LOT 3604 ALB 3605 0 bullet una FRZ 3607 for swordfish, sailfish and marlin BIL 3608 cerfish PRI 3610 BIP 3612 4 buefin tuna BIP 3614 buefin tuna BIP				3620	SFA	Indo-pacific sailfish
Total West Coast P				3619	SWO	Swordfish
Total West Coast P 10,827 110,827 110,384 1170,384 1170,220 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 170,7AL 170,7AL 170,620 170,884 170,620 170,884 170,620 170,884 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,830 170,840 170,620 170,840 170,620 170,840 170,620 170,840 170,620				3618	KGX	Seerfish NEI
Ting units 10,827 10,827 7,360 110,827 7,360 170,384 170,620 170,620 170,620 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 119,183 170,620 19,183 170,620 19,183 170,620 19,183 170,620 19,183 170,620 19,183 170,620 19,183 170,620 19,183 170,620 19,183 170,620 19,19,183 19,19,				3617	WAH	Wahoo
Total West Coast P 10,827 10,827 7,360 170,384 170,384 170,620 170,620 170,620 119,183 170,620 170,74 170,620 170,74 170,74 170,74 170,620 170,74 170,74 170,74 170,74 170,620 170,74 170,74 170,74 170,74 170,74 170,74 170,74 170,74 170				3616	NUT	Tunas and bonito NEI
ting units Total West Coast P 10,827 7,360 170,384 119,183 18 170,620 119,183 18 170,620 119,183 18 170,620 119,183 19 119,183 119,183 10 170,620 119,183 10 170,620 119,183 10 170,620 119,183 10 119,183 119,183 10 119,183 119,183 10 119,183 119,183 10 119,183 119,183 10 27 264,138 10 10 27 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10				3615	BIP	Indo-pacific bonito
Ting effort Total West Coast P e no. of fishing units 10,827 7,360 e no. of fuys 170,384 119,183 e no. of days 170,620 119,183 e no. of hauls CODES Code No. 170,620 119,183 e no. of hauls SKJ 3601 425,291 264,138 TOTAL CATCH SKJ 3601 TOTAL West Coast P Ima SKJ 3601 TOTAL West Coast P Ima LOT 3604 TOTAL West Coast P Ima LOT 3603 West Coast P Ima ALB 3603 West Coast P Ima ALB 3605 O O In tuna FRZ 3607 O O In tuna FRZ 3608 O O O In tuna BIL 3608 O O O In tuna BIL 3611 O O O				3614	SBF .	Southern bluefin tuna
Total West Coast P of fishing units 10,827 7,360 of trips 170,384 119,183 of days 170,620 119,183 of hauls 64 119,183 TOTAL CATCH SKJ 3601 Species (group) SKJ 3602 BET 3602 TOTAL BET 3603 TOTAL LOT 3604 TOTAL ALB 3605 West Coast P ordfish, sailfish and marlin BIL 3608 0 0 cing mackerel GUT 3611 3612 27				3613	BLT	Bullet tuna
Fifort Total West Coast P of fishing units 10,827 7,360 of trips 170,384 119,183 of days 170,384 119,183 of hauls 170,620 119,183 TOTAL CATCH CODES Code No. 425,291 264,138 SKJ 3601 70TAL West Coast P SKJ 3602 BET 3603 LOT 3603 TOTAL West Coast P LOT 3604 ALB 3605 Indicate the complex of the c				3612	FRI	Frigate tuna
Fiffort Total West Coast P of fishing units 10,827 7,360 of frips 170,384 119,183 of days 170,620 119,183 of hauls 64 27 Species (group) SKJ 3601 SKJ 3602 70TAL BET 3603 West Coast P LOT 3604 West Coast P LOT 3604 West Coast P Ina KAW 3605 0 Wordfish, sailfish and marlin BIL 3608 0 0 king mackerel GUT 3610 64 27				3611	STS	Streked seerfish
geffort geffort geffort geffort geffort geffort geffort Total West Coast P 10,827 7,360 170,384 119,183 170,620 170,620 119,183 170,620 119,183 170,620 119,183 425,291 64 27 SKJ 3601 SKJ 3601 ALB 3602 BET 3603 LOT 3604 ALB 3605 uma Wordfish, sailfish and marilin KAW 3606 GOM 3609 I West Coast P West Coast P West Coast P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3/	27	64	3610	GUT	King mackerel
g effort g effort g effort D. of fishing units D. of frips D. of days D. of hauls D. of ha	ì			3609	СОМ	Narrow-barred king mackerel
g effort Total West Coast P D. of fishing units 10,827 7,360 D. of fishi	o	0	0	3608	BIL	Indo-pacific swordfish, sailfish and marlin
Total West Coast P	•			3607	FRZ	Frigate and bullet tuna
g effort g effort G fishing units D of fish	0	0	0	3606	KAW	Eastern little tuna
g effort Total West Coast P 3. of fishing units 10,827 7,360 5. of days 170,384 119,183 5. of hauls 170,620 170,620 119,183 6. of hauls 425,291 264,138 TOTAL CATCH CODES Code No. TOTAL West Coast P SKJ 3601 YFT 3602 BET 3603 LOT 3604				3605	ALB	Albacore
g effort Total West Coast P 3. of fishing units 10,827 7,360 5. of days 170,384 119,183 5. of hauls 170,620 170,620 119,183 6. of hauls 64 27 Species (group) SKJ 3601 8 ET 3603 TOTAL CATCH West Coast P SKJ 3603				3604	TOT	Longtail tuna
g effort Total West Coast P 3. of fishing units 3. of trips 3. of days 3. of hauls 425,291 425,291 5 P TOTAL CATCH 5 CODES 5 Code No. 5 Code No. 5 TOTAL 5 Code No. 5 Code No. 5 TOTAL 5 Code No. 5 Code No. 5 TOTAL 5 Code No. 5 TOTAL 7 TOTAL 8 TOTAL 8 TOTAL 9 TO				3603	BET	Big-eye tuna
g effort Total West Coast P D. of fishing units 10,827 7,360 D. of trips 170,384 119,183 D. of days 170,620 119,183 D. of hauls 425,291 264,138 TOTAL CATCH CODES Code No. TOTAL West Coast P Species (group) SKJ 3601				3602	YFT	Yellowfin tuna
In the second of				3601	SKJ	
Total West Coast P 10,827 7,360 170,384 119,183 170,620 119,183 425,291 264,138 TAL CATCH 64 27	East Coast	West Coast P	TOTAL	Code No.	CODES	Species (group)
Total West Coast P 10,827 7,360 170,384 119,183 170,620 119,183 425,291 264,138	37	27	64			TOTAL CATCH
Total West Coast P 10,827 7,360 170,384 119,183 170,620 119,183	161,153	264,138	425,291			Cumulative no. of hauls
Total West Coast P 10,827 7,360 170,384 119,183	.51,437	119,183	170,620			Cumulative no. of days
Total West Coast P 10,827 7,360	51,201	119,183	170,384			Cumulative no. of trips
Total West Coast P	3,467	7,360	10,827			Cumulative no. of fishing units
	East Coas	West Coast P	Total			Unit of fishing effort

ANNUAL LANDING BY SPECIES - 1999 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: 10-25 tons

Unit of fishing effort		Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units			26,793	22,268	4,525
Cumulative no. of trips			424,542	370,370	54,172
Cumulative no. of days			448,580	383,196	65,384
Cumulative no. of hauls			1,328,581	1,008,365	320,216
TOTAL CATCH			510	393	117
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	TOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606	=	9	2
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	0	0	0
Narrow-barred king mackerel	СОМ	3609			
King mackerel	GUT	3610	499	384	115
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)	ОТН	3624			

ANNUAL LANDING BY SPECIES - 1999
 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

I hit of fishing effort		Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units			10,749	7,981	2,768
Cumulative no. of trips			112,082	98,187	13,895
Cumulative no. of days			192,871	143,039	49,832
Cumulative no. of hauls			730,445	413,153	317,292
TOTAL CATCH			1,278	953	325
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	TOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606	37	20	17
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	_	0	
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610	1,240	933	307
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)	HIO	3624			

ANNUAL LANDING BY SPECIES - 1999 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
Cumulative no. of fishing units			8,182	5,656	2,526
Cumulative no. of trips			37,523	31,463	6,060
Cumulative no. of days			166,951	118,810	48,141
Cumulative no. of hauls			705,979	. 444,879	261,100
TOTAL CATCH			1,817	791	1,026
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	TOT	3604			
Albacore	ALB	3605			
Eastern little tuna	KAW	3606	50	33	17
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608	351	0	351
Narrow-barred king mackerel	COM	3609			
King mackerel	GUT	3610	1,416	758	658
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)	ОТН	3624			

(1) Malaysia

ANNUAL LANDING BY SPECIES - 1999
 1-2 Catch and Fishing Effort by Type of Fishing Gear and Size of Management
 1-2-2 Trawl Net

Size of boat: More than 70 tons

Unit of fishing effort		Sub-area	Total	West Coast P	East Coast P
Cumulative no. of fishing units			2,192	973	1,219
Cumulative no. of trips			5,309	2,875	2,434
Cumulative no. of days			44,222	20,596	23,626
Cumulative no. of hauls			155,162	60,719	94,443
TOTAL CATCH			352	175	177
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	18	9	9
Frigate and bullet tuna	FRZ	3607			
Indo-pacific swordfish, sailfish and marlin	BIL	3608			
Narrow-barred king mackerel	СОМ	3609			
King mackerel	GUT	3610	334	166	168
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 1999

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

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*Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1999
1-3 Nominal Catch by Species
(1) Indonesia

Catch unit in Tonnes

Unit of fishing effort	Type	Type of Gear	Total	Hook and	Gill net	Ring Net	Purse	Trawl
No. of units				biile			Serie	Met
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			432,940					
Species (group)	CODES	Code No.	Total	Hook and Line	Gill net	Ring Net	Purse Seine	Trawl Net
Skipjack tuna Yellowfin tuna	SKJ	3601	205,670					
Big-eye tuna	BET	3603						
Longtail tuna	LOT	3604						
Albacore	ALB	3605						
Frigate and bullet tuna	FRZ :	3607						
Indo-pacific swordfish, sailfish and marlin	BIL	3608	•					
Narrow-barred king mackerel	СОМ	3609	62,050					
King mackerel	GUT	3610	13,070					
Streked seerfish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Wahoo	W H ON	3616						
Seerfish NEI	KGX	3618						
Swordfish	SWO	3619						
Indo-pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622			11611			
Striped marlin	MLS	3623						
Other NEI (TUNA)	ОТН	3624						

*Data extracted from The FAO Yearbook Fishery Statistics

ANNUAL LANDING BY SPECIES - 1999 1-3 Nominal Catch by Species (2) Japan

This of fishing office	Type of Gear	Gear	Total	Hook and	Gill net	Ring Net	Purse Seine	Trawl Net
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			213,106					
Species (group)	CODES	Code No.	Total	Hook and Line	Gill net	Ring Net	Purse Seine	Trawl Net
Skipjack tuna	SKJ	3601	147,555					
Yellowfin tuna	YFT	3602	47,483					
Big-eye tuna	BET	3603	13,847					
Longtail tuna	LOT	3604						
Albacore	ALB	3605	2,593					
Eastern little tuna	KAW	3606						
Frigate and bullet tuna	FRZ	3607	w					
Indo-pacific swordfish, sailfish and marlin	BIL	3608						
Narrow-barred king mackerel	СОМ	3609						
King mackerel	GUT	3610						
Streked seerfish	STS	3611						
Frigate tuna	FRI	3612					D	
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	NOT	3616						
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618	;					
Swordfish	SWO	3619	245					
Indo-pacific sailfish	SFA	3620	15					
Black marlin	BLM	3621						
Indo-pacific blue marlin	BLZ	3622	1,245					
Striped marlin	MLS	3623	120					
Other NEI (TUNA)	OTH	3624						

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*Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1999
1-3 Nominal Catch by Species
(3) Korea

Catch unit in Tonnes

Unit of fishing effort	Type of Gear	of Gear	Total	Hook and	Gill net	Ring Net	Purse	Trawl
No. of units				Ellic			Seine	Net
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			141,416					
Species (group)	CODES	Code No.	Total	Hook and	Gill net	Ring Net	Purse	Trawl Net
Skipjack tuna	SKJ	3601	106.068	FILE			Seine	
Yellowfin tuna	YFT	3602	31.954					
Big-eye tuna	BET	3603	3.131					
Longtail tuna	LOT	3604						
Albacore	ALB	3605	147					
Eastern little tuna	KAW	3606						
rngate and bullet tuna	FRZ	3607						
bloom beautiful swordfish, sailfish and marlin	BIL	3608	59					
Narrow-barred king mackerel	COM	3609						_
King mackerel	GUT	3610						
Streked seerlish	STS	3611						
Frigate tuna	FRI	3612						
Bullet tuna	BLT	3613						
Southern bluefin tuna	SBF	3614						
Indo-pacific bonito	BIP	3615						
Tunas and bonito NEI	NOT	3616			•			
Wahoo	WAH	3617						
Secrish NEI	KGX	3618						
Tada pagiga pagigat	SWO	3619	ω					
Black marlin	BIM	3620	J V					
Indo-pacific blue marlin	BLZ	3622	25					
Striped marlin	MLS	3623	13					
Other NEI (TUNA)	ОТН	3624						

*Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1999

(4) Philippines	1-3 Nominal Catch by Species	WOOD PURPOSED OF CIECUTAL
		•

Type of Gear	
Total	
Hook and	
Gill net	
Ring Net	Catch unit in Ton
Purse	nes
Trawl	
1	h unit in Tonnes

						3624	HIO	Other NEI
						3623	MLS	Striped marlin
		9		k	2,208	3622	BLZ	Indo-Pacific blue marlin
					. 37	3621	BLM	Black marlin
						3620	SFA	Indo-Pacific sailfish
						3619	SWO	Swordfish
						3618	KGX	Seerfish NEI
						3617	WAH	Wahoo
						3616	T'N	Tunas and bonito NEI
,						3615	BIP	Indo-Pacific bonito
						3614	SBF	Southern bluefin tuna
	4					3613	BLT	Bullet tuna
						3612	FRI	Frigate tuna
						3611	STS	Streked seerlish
						3610	GUT	King mackerel
					9,137	3609	СОМ	Narrow-barred king mackerel
					5,082	3608	BIL	Indo-Pacific swordfish, sailfish and marlin
					111,301	3607	FRZ	Frigate and bullet tuna
					25,406	3606	KAW	Eastern little tuna
						3605	ALB	Albacore
						3604	TOT	Longtail tuna
						3603	BET	Big-eye tuna
					90,353	3602	YFT	Yellowfin tuna
					108,778	3601	SKJ	Skipjack tuna
Trawl Net	Purse Seine	Ring Net	Gill net	Hook and Line	Total	Code No.	CODES	Species (group)
					352,265			TOTAL CATCH
								No. of hours
								No. of hauls
								No. of days
								No. of trips
			•					No. of units
Net !	Seine	Killig ivet	OIII IICI	Line	IOIAI		i ypc oi oc	Unit of fishing effort
Trawl	Direce	Ring Net	Gill net	Hook and	Total		Type of Gear	

*Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1999
 1-3 Nominal Catch by Species
 (5) Singapore

Catch unit in Tonnes

Unit of fishing effort	Type of Gear		Total	Hook and	Gill net	Ring Net	Purse	Trawl Net
No. of units								
No. of trips								
No. of days					112			
No. of hauls								
No. of hours								
TOTAL CATCH			102					
Species (group)	CODES	Code No.	Total	Hook and Line	Gill net	Ring Net	Purse Seine	Trawl Net
Skipjack tuna	SKJ	3601	23					
Yellowfin tuna	YFT	3602						
Big-eye tuna	BET	3603						
Longtail tuna	LOT	3604						
Albacore	ALB	2000						
Frigate and bullet tuna	FRZ	3607						
Indo-Pacific swordfish, sailfish and marlin	BIL	3608						
Narrow-barred king mackerel	СОМ	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	NOT	3616						
Wahoo	WAH	3617	!					
Seerfish NEI	KGX	3618	79					
Swordfish	SWO	3619						
Indo-Pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-Pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI	ОТН	3624						

*Data extracted from The FAO Yearbook Fishery Statistics

1 ANNUAL LANDING BY SPECIES - 1999 1-3 Nominal Catch by Species (6) Taiwan

Type of Gear	5
ear	
Total	
Hook and	
Gill net	
Ring net	Catch unit in Tor
Purse	nnes
Trawl	

	Type of Gear		Total	Hook and	Gill net	Ring net	Purse	Trawl
Unit of fishing effort	o Joseph Comment			line		d	seine	net
No. of units								
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			258,785					
Species (group)	CODES	Code No.	Total	Hook and	Gill net	Ring net	Purse	Trawl
Shining	170	1020	100 121	IIIIC			301116	Her
Yellowfin tuna	YF X	3602	63.464					
Big-eye tuna	BET	3603	15.996					
Longtail tuna	ТОТ	3604	2,772		*			
Albacore	ALB	3605	3,017					
Eastern little tuna	KAW	3606	2,065					
Frigate and bullet tuna	FRZ	3607						
Indo-Pacific swordfish,sailfish and marlin	BIL	3608						
Narrow-barred king mackerel	СОМ	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	NUT	3616						
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618						
Swordfish	SWO	3619	2,177					
Indo-Pacific sailfish	SFA	3620	153					
Black marlin	BLM	3621	389					
Indo-Pacific blue marlin	BLZ	3622	7,153					
Striped marlin	MLS	3623	278					
Other NEI	ОТН	3624						

1 ANNUAL LANDING BY SPECIES - 1999
1-3 Nominal Catch by Species

1-3 Nominal Catch by Species(7) Thailand

Catch unit in Tonnes

	Time of Con		3		2			
Unit of fishing effort	Type of Oear		Iotal	line	Gill net	Ring net	Purse	Trawl
No. of units				IIIIc			seine	net
No. of trips								
No. of days								
No. of hauls								
No. of hours								
TOTAL CATCH			84,600					
Species (group)	CODES	Code No.	Total	Hook and	Gill net	Ring net	Purse	Trawl
Skipjack tuna	SKJ	3601					seine	net
Yellowfin tuna	YFT	3602						
Big-eye tuna	BET	3603						
Longtail tuna	TOT	3604	29,000					
Albacore	ALB	3605	,					
Eastern little tuna	KAW	3606	27,500					
Frigate and bullet tuna	FRZ	3607	18,500					
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	ВГР	3615						
Tunas and bonito NEI	TUN	3616						
Wahoo	WAH	3617						
Seerfish NEI	KGX	3618	9,600					
Swordfish	SWO	3619						
Indo-Pacific sailfish	SFA	3620						
Black marlin	BLM	3621						
Indo-Pacific blue marlin	BLZ	3622						
Striped marlin	MLS	3623						
Other NEI	ОТН	3624						

^{*}Data extracted from The FAO Yearbook Fishery Statistics (FAO estimate from anailable sources of information or calculation based on specific assumptions)

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2. MONTHLY LANDING BY SPECIES 1999

- 2-1 Catch and Fishing Effort by Month
 - (1) Malaysia

Peninsular Malaysia

West Coast of Peninsular

East Coast of Peninsular

Sabah

Sarawak

Labuan



Albacore

Swordfish

2 MONTHLY LANDING BY SPECIES - 1999 2-1 Catch and Fishing Effort by Month (Unclassified) (1) Malaysia

Other NEI (TUNA) Striped marlin Black marlin Indo-pacific blue marlin Seerfish NE Southern bluefin tuna Bullet tuna Streked seerfish No. of units Indo-pacific sailfish Big-eye tuna No. of days No. of trips Tunas and bonito NE Indo-pacific bonito Frigate tuna King mackerel Narrow-barred king mackerel Yellowfin tuna Skipjack tuna No. of hauls Unit of fishing effort Indo-pacific swordfish, sailfish and marlin Frigate and bullet tuna Eastern little tuna Longtail tuna Species (group) TOTAL CATCH CODES SWO SFA BLM BIL COM GUT STS FRI BLT SBF BIP TUN WAH KAW ALB BET LOT THY Code No. 3621 3620 3619 3618 3614 3615 3613 3617 3616 3612 3610 3611 3608 3609 3607 3605 3606 3604 3603 Month TOTAL TOTAL 17,764 60,019 2,046 79,829 3,716 2,011 5,777 JAN JAN 50 1,997 5,391 7,404 FEB FEB 16 6,577 1,520 MAR MAR 8,124 27 5,668 APR 1,341 7,032 APR 23 6,653 MAY 8,220 MAY 1,553 7 6,848 5,459 1,380 Z Ē 9 6,046 4,533 1,496 JUL JUL 17 6,077 AUG 4,750 AUG 1,323 7,415 5,818 SEP SEP 1,585 12 8,411 CT OCT 1,837 50 1,404 4,895 VOV VOV 3,584 1,294 17 3,580 DEC DEC 860 20

Catch unit in Tonnes

MONTHLY LANDING BY SPECIES - 1999
 Catch and Fishing Effort by Month (Unclassified)
 Malaysia

Sub-area: Peninsular Malaysia

Other NEI (IUNA)	Striped mariin	C	Indo-pacific blue marlin	Black marlin	Indo-pacific sailfish	Swordfish	Seerfish NEI	Wahoo	Tunas and bonito NEI	Indo-pacific bonito	Southern bluefin tuna	Bullet tuna	Frigate tuna	Streked seerfish	King mackerel	Narrow-barred king mackerel	Indo-pacific swordfish, sailfish and marlin	Frigate and bullet tuna	Eastern little tuna	Albacore	Longtail tuna	Big-eye tuna	Yellowfin tuna	Skipjack tuna	Species (group)	TOTAL CATCH	No. of hauls	No. of days	No. of trips	No. of units	Unit of fishing effort	
		N N	BLZ	BLM	SFA	SWO	KGX	WAH	NOT	BIP	SBF	BLT	FRI	STS	GUT	COM	BIL	FRZ	KAW	ALB	TOT	BET	THY	SKJ	CODES						$\ $	
2027	3634	3623	3622	3621	3620	3619	3618	3617	3616	3615	3614	3613	3612	3611	3610	3609	3608	3607	3606	3605	3604	3603	3602	3601	CODES Code No.							Month
							8,212		37,259								1,827								TOTAL	47,298					TATOI	
							731		1,678								v								JAN	2,414					JAN	
							720		3,040								6								FEB	3,766					FEB	
							783		4,807																MAR	5,590					MAK	NA D
							507		4,112								_								APR	4,620					AFA	A DB
							571		4,632																MAY	5,203					INT	VAV
							604	<u>.</u>	3,100	5															JUN	3,/34	375 6				2	
							868	2	2,931	2															JUL	3,/99	3 700				0.0	11 11
							6/2	ì	3,200	3															AUG	3,8/2	3 073				3	ALIG
							911	:	2,002	2 602							U	J							SEP	4,390	702 /				,	CED
							/96	3	3,320	3 570							1,012	1 013							000	0,150	7517				00	000
							023	}	1,009	1 660															NOV	2,272	2 202					VOV
							426	\	000	930															שנו	1,200	1 256					DEC

2 MONTHLY LANDING BY SPECIES - 1999
2-1 Catch and Fishing Effort by Month (Unclassified)
(1) Malaysia

Sub-area: West Coast of Peninsular Malaysia

Unit of fishing effort		Month TOTAL	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MON	DEC
No. of trips															
No. of days						200									
No. of hauls													•		
TOTAL CATCH			12,937	1,289	900	1.168	1.352	993	630	1 053	1 226	1 526	1 103	979	اہ
Species (group)	CODES Code No.	$\overline{}$	TATOT	JAN	FEB	MAR	APR	MAY		1111	7117	1,550	1,10	VOV 020	
Skipjack tuna	SKJ	\neg						11,771	30,4	702	200	SEF	12	NOV	DEC
Yellowfin tuna	YFT	3602													
Big-eye tuna	BET	3603													
Longtail tuna	TOT	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	СОМ	3609													
King mackerel	GUT	3610													
Streked seerfish	STS	3611											i		
Frigate tuna	FRI	3612													
Bullet tuna	BLT	3613													
Southern bluefin tuna	SBF	3614		ų.											
Indo-pacific bonito	BIP	3615													
Tunas and bonito NEI	Ţ	3616	8,354	811	509	738	1,093	711	307	660	774	1,005	686	505	555
Wahoo	WAH	3617													
Seerfish NEI	KGX	3618	4,583	478	391	430	259	282	323	392	452	531	417	323	305
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)	HTO	3624													

2 MONTHLY LANDING BY SPECIES - 1999
2-1 Catch and Fishing Effort by Month (Unclassified)
(1) Malaysia

Sub-area: Sarawak

Other NEI (TUNA)	Striped marlin	Indo-pacific blue marlin	Black marlin	Indo-pacific sailfish	Swordfish	Seerfish NEI	Wahoo	Tunas and bonito NEI	Indo-pacific bonito	Southern bluefin tuna	Bullet tuna	Frigate tuna	Streked seerfish	King mackerel	Narrow-barred king mackerel	Indo-pacific swordfish, sailfish and marlin	Frigate and bullet tuna	Eastern little tuna	Albacore	Longtail tuna	Big-eye tuna	Yellowfin tuna	Skipjack tuna	Species (group)	TOTAL CATCH	No. of hauls	No. of days	No. of trips	No. of units	Unit of fishing effort	
OTH	MLS	BLZ	BLM	SFA	SWO	KGX	WAH	Not	BIP	SBF	BLT	FRI	STS	GUT	COM	BIL	FRZ	KAW	ALB	TOT	BET	THY	SKJ	CODES							
3624	3623	3622	3621	3620	3619	3618	3617	3616	3615	3614	3613	3612	3611	3610	3609	3608	3607	3606	3605	3604	3603	3602	3601	CODES Code No.						Month	
						3,825		3,816																TOTAL	7,641					TOTAL	
						655		282																JAN	937					JAN	
L						561		536																FEB	1,097					FEB	
						208		176																MAR	384					MAR	
						337		203																APR	540					APR	
						499		269							-									MAY	768					MAY	
						313		630																NOL	943					J.S.	
						259		259																JUL	518					JUL	
						290		364																AUG	654					AUG	
						282		412																SEP	694					SEP	
						203		337																OCT	540				,	OCI	
			300			171		285																VOV	456					NOV	
						47		63																DEC	110					DEC	

2 MONTHLY LANDING BY SPECIES - 1999
 2-1 Catch and Fishing Effort by Month (Unclassified)
 (1) Malaysia

Sub-area: Labuan

Unit of fishing effort		Month	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
City of Holling Creek															
No. of units														_	
No. of trips															
No. of days															
No. of hauls								53	200	380	13	1 000	553	212	ŝ
TOTAL CATCH			7,316	611	3/4	/09	0/3	202	200	309	412	1,000	200	010	255
Species (group)	CODES Code No. TOTAL	ode No.	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	130	NOV	DEC
Skipjack tuna	SKJ	3601													
Yellowfin tuna	YFT	3602													
Big-eye tuna	BET	3603													
Longtail tuna	TOT	3604								•					
Albacore	ALB	3605													
Eastern little tuna	KAW	3606													
Frigate and bullet tuna	FRZ	3607													
Indo-pacific swordfish, sailfish and marlin	BIL	3608	10	_	-	_		7							
Narrow-barred king mackerel	COM	3609													
King mackerel	GUT	3610													
Streked seerfish	STS	3611			W710-91										
Frigate tuna	FRI	3612													
Bullet tuna	BLT	3613													
Southern bluefin tuna	SBF	3614													
Indo-pacific bonito	BIP	3615													
Tunas and bonito NEI	NUT	3616	7,106	591	345	691	635	462	797	379	401	1,066	545	604	590
Wahoo	WAH	3617													
Seerfish NEI	KGX	3618	200	19	28	17	38	33	5	10	=	14	00	12	v
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)	HTO	3624													

























