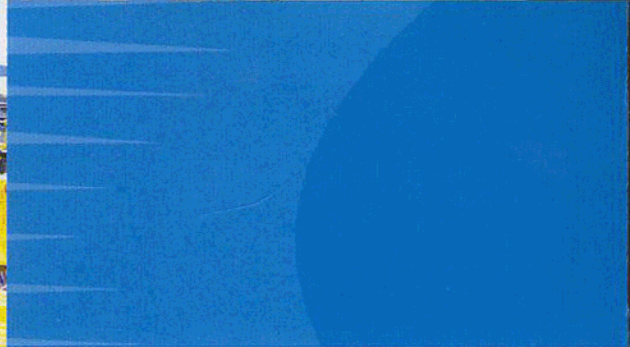




PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

**1991
(Volume 1)**



JABATAN PERIKANAN MALAYSIA

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**PERANGKAAN TAHUNAN PERIKANAN
(ANNUAL FISHERIES STATISTICS)**

1991

**JILID 1
(VOLUME 1)**

**NASKAH PERCUMA
(COMPLIMENTARY COPY)**

ZAKARIA BIN ISMAIL
Pegawai Perikanan Ternak
Caw. Pengkondongan,
Ibu Pejabat Perikanan,
Kuala Lumpur.

PENDAHULUAN

Perangkaan Tahunan Perikanan adalah pengeluaran tahunan Jabatan Perikanan sebagai satu sumber bahan rujukan utama mengenai data dan maklumat-maklumat penting terhadap industri perikanan Malaysia. Maklumat-maklumat ini termasuk data eksport/import komoditi perikanan.

Data mengenai pengeluaran, nelayan, bot, perkakas dan usaha menangkap ikan dimasukkan dalam Jilid ini (*Jilid I*) manakala data eksport/import (*Jilid II*) akan dicetak dan diedarkan berasingan kelak. Ini adalah kerana data eksport/import perlu disusun dari sumber- sumber lain.

Kami berharap penerbitan ini akan memberi faedah kepada semua terutamanya mereka yang memerlukan statistik perikanan yang terkini.

Terima kasih.

Ketua Pengarah Perikanan
Jabatan Perikanan Malaysia
KUALA LUMPUR

FOREWORD

The Annual Fisheries Statistics is a bulletin produced annually by the Department of Fisheries as the main source of reference on vital data and informations on the Malaysian Fisheries Sector. It also includes the export/import data of fisheries commodities.

The data on production, fishermen, boats, gears and fishing efforts are in this volume (*Volume I*) whereas the export/import data (*Volume II*) is separately published at a later date. This is due to the fact that the data is compiled from various sources.

We hope that this bulletin would be beneficial to all especially to those who require the latest fisheries statistics.

Thank you.

Director-General of Fisheries
Department of Fisheries Malaysia
KUALA LUMPUR

MALAYSIA — DAERAH-DAERAH PERIKANAN (*Malaysia — Fisheries Districts*)

SEMENANJUNG MALAYSIA (*Peninsular Malaysia*)



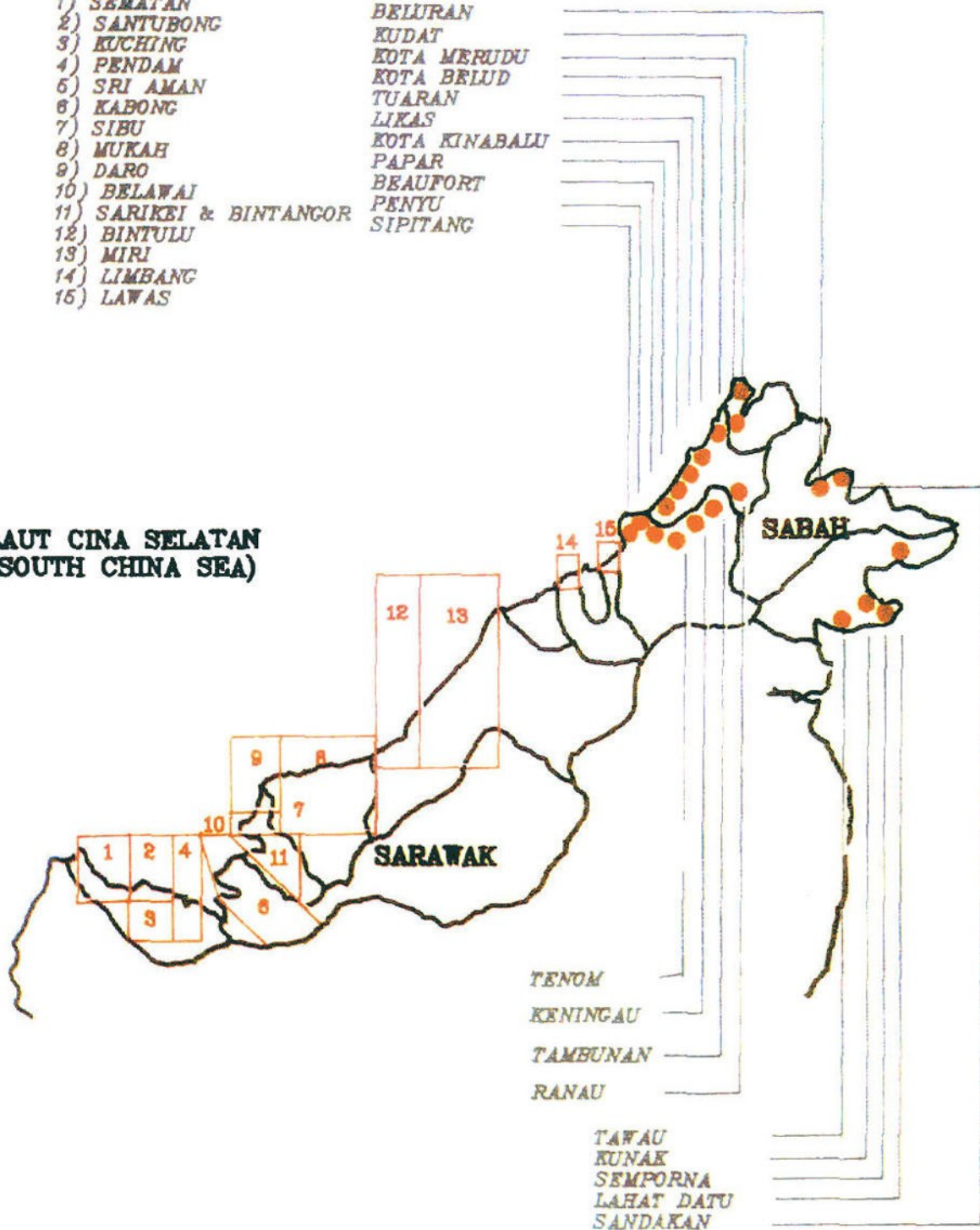
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- KUDAT
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- KOTA BELUD
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- KOTA KINABALU
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- BEAUFORT
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- SIPITANG

LAUT CINA SELATAN
(SOUTH CHINA SEA)



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PENGUTIPAN DATA PENDARATAN IKAN



DATA COLLECTION ON FISH LANDINGS

KEDUDUKAN SEKTOR PERIKANAN DI MALAYSIA

1. LATARBELAKANG

- 1.1 Pada dasarnya industri perikanan di Malaysia adalah terdiri daripada perikanan laut dan ternakair. Perikanan darat buat masa ini tidak memberi sumbangan yang penting kepada industri perikanan. Bagi tujuan pengurusan, perikanan laut dibahagikan kepada sektor perikanan pantai dan sektor perikanan laut dalam. Ternakair pula merangkumi ternakan airtawar dan ternakan airpayau.
- 1.2 Perikanan pantai telah dieksploitasikan dengan sepenuhnya dan ada tanda-tanda yang menunjukkan perikanan di kawasan tersebut telah mencapai tahap lebih daripada had maksima. Pendaratan ikan daripada sektor ini telah mencapai tahap tertinggi dan dijangka tidak akan berkembang lagi. Walau bagaimanapun sektor perikanan laut dalam telah menunjukkan perkembangan yang menggalakkan dan mempunyai potensi yang baik. Ternakair juga mempamerkan prospek yang cerah bagi pembangunan dan perkembangan selanjutnya. Berdasarkan keupayaan sumber, usaha pembangunan ditumpu kepada sektor perikanan laut dalam dan ternakair sementara mengekalkan sahaja pengeluaran sektor perikanan pantai pada tahap sedia ada.

2. GUNATENAGA

- 2.1 Pada tahun 1991 sebanyak 90,362 nelayan terlibat dalam sektor perikanan laut berbanding dengan seramai 88,494 nelayan dalam tahun 1990 iaitu menunjukkan pertambahan sebanyak 2.11%. Kenaikan bilangan nelayan ini berlaku terutamanya di negeri-negeri Pantai Timur Semenanjung Malaysia iaitu sehingga 11.32% (daripada 20,747 kepada 23,096). Bilangan bagi Pahang naik sebanyak 41.93%, Kelantan 8.11%, Terengganu 6.34% manakala Johor Timur mencatatkan kejatuhan bilangan nelayan sebanyak 1.79%. Keseluruhannya terdapat kemerosotan bilangan nelayan yang bekerja di atas vesel-vesel berlesen di negeri Pantai Barat Semenanjung Malaysia sebanyak 2.15% (daripada 39,054 kepada 38,213). Perlis mencatat kemerosotan sebanyak 1.56%, Kedah 5.11%, Pulau Pinang 3.66%, Perak 2.78%, Negeri Sembilan 2.46%, Melaka 6.87% dan Johor Barat 0.84%. Walau bagaimanapun, negeri Selangor mencatat sedikit pertambahan sebanyak 3.84%.

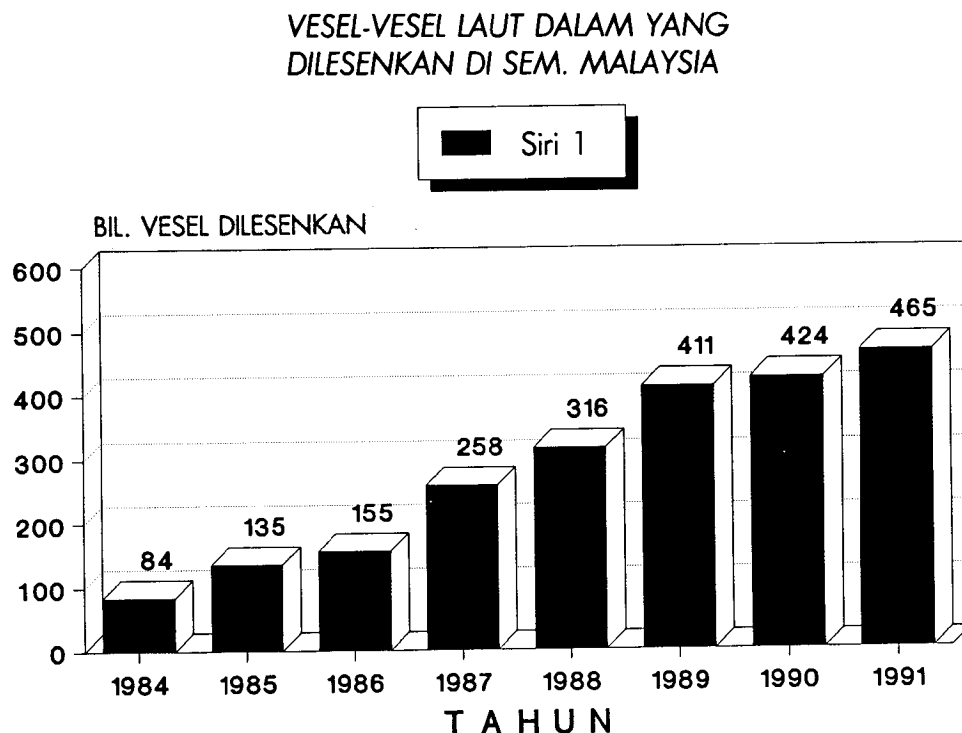
- 2.2 Bilangan nelayan yang bekerja di atas vesel-vesel berlesen di Labuan meningkat sebanyak 9.66% dan Sabah sebanyak 0.32%. Bagi tahun ini bilangan nelayan bekerja di atas vesel-vesel yang berlesen di Sarawak dicatatkan sebanyak 6,966. Disamping itu seramai 5,500 lagi nelayan dianggar bekerja di atas vesel-vesel yang tidak berlesen menjadikan jumlah kesemuanya 12,466. Berbanding dengan jumlah keseluruhan nelayan sebanyak 12,197 yang bekerja di atas vesel-vesel berlesen dan tidak berlesen pada tahun 1990, dianggarkan jumlah bilangan nelayan di Sarawak meningkat sebanyak 2.21%.

3. VESEL-VESEL MENANGKAP IKAN

- 3.1 Bilangan vesel menangkap ikan telah menurun sedikit (5.41%) daripada 39,541 unit dalam tahun 1990 kepada 37,401 unit dalam tahun 1991. Kemerosotan adalah minima bagi Semenanjung Malaysia, menurun sebanyak 1.40% (dari 23,134 kepada 22,809 unit) dimana Pantai Barat mencatat kejatuhan sebanyak 1.97% manakala Pantai Timur mencatat penambahan sebanyak 0.16%. Bilangan vesel menangkap ikan di Semenanjung Malaysia boleh dikatakan stabil dimana pertambahan oleh pelesenan vesel-vesel perikanan laut dalam yang baru, terutama di negeri-negeri Pantai Timur. Kekurangan di Pantai Barat pula adalah disebabkan sebilangan vesel-vesel yang keluar daripada industri perikanan dari masa ke semasa.
- 3.2 Walau bagaimanapun usaha untuk menganggarkan bilangan vesel-vesel perikanan di Sabah, Sarawak dan Labuan mengalami masalah yang besar memandangkan terdapat bilangan besar yang tidak berlesen terutama di kawasan pendalaman. Di Sabah bilangan vesel-vesel menangkap ikan bagi tahun 1990 telah dianggarkan sebanyak 9,200 unit dan angka ini dipercayai berlebihan Dengan sistem baru pengumpulan data, satu banci telah dibuat dalam tahun 1991 dan didapati bahawa jumlah bilangan vesel menangkap ikan yang beroperasi hanya sebanyak 7,204 unit. Perbezaan adalah disebabkan oleh lebih anggaran vesel-vesel kecil yang beroperasi di kawasan-kawasan pendalaman sebelum 1991. Bagi Sarawak, masalah yang sama timbul dimana didapati 50.00% vesel-vesel menangkap ikan tidak berlesen yang dianggarkan berjumlah hampir 4,500 unit, terutama vesel-vesel kecil.
- 3.3 Jadual I menunjukkan arah aliran bilangan vesel-vesel laut dalam yang dilesenkan di Semenanjung Malaysia. Walaupun pada keseluruhannya tanda-tanda menunjukkan kemerosotan dalam bilangan vesel menangkap ikan, bilangan vesel-vesel menangkap ikan laut dalam sebenarnya bertambah pada kadar tetap. Perkembangan ialah 17.6% bagi seluruh Malaysia dengan kenaikan sebanyak 103 unit daripada 586 dalam tahun 1990 kepada 689 dalam tahun 1991. Semenanjung Malaysia telah mencatatkan kenaikan 10.00% dimana pertambahan adalah terutamanya bagi negeri-negeri Pantai Timur (21.21%). Pahang mendahului dengan pertambahan sebanyak 44 unit daripada 76 unit dalam tahun 1990 kepada 120 unit dalam tahun 1991. Terengganu telah menambah angkatan vesel laut dalam sebanyak 6 unit sementara Kelantan bertambah 1 unit.

Johor Timur telah berkurang angkatan vesel laut dalam nya sebanyak 2 unit. Bagi Sabah, Sarawak dan Labuan, vesel-vesel menangkap ikan laut dalam meningkat sebanyak 38.30% daripada 162 unit kepada 224 unit. Di Sarawak bilangan vesel-vesel laut dalam yang beroperasi meningkat sebanyak 98 unit daripada 116 unit dalam tahun 1990 kepada 214 unit dalam tahun 1991 manakala Labuan telah bertambah seunit kepada 3, yang beroperasi sekarang. Sabah hanya mencatatkan 7 unit yang berlesen pada 1991, berbanding dengan 44 unit dalam tahun 1990. Perbezaan ini ketara berpunca daripada vesel- vesel SAFMA (Sabah Fisheries Marketing Authority) yang tidak dilesenkan semula pada tahun 1991 kerana beberapa sebab.

Jadual I:



4. PERKAKAS MENANGKAP IKAN

- 4.1 Jika mengambilkira perkakas menangkap ikan yang digunakan oleh vesel-vesel yang tidak dilesenkan di Sarawak yang berjumlah kira- kira 4,500 unit, jumlah perkakas menangkap ikan yang beroperasi dalam tahun 1991 adalah 34,738 unit. Iri menunjukkan sedikit peningkatan sebanyak 0.82% berbanding dengan perangkaan tahun lalu iaitu 34,457 unit. Bilangan perkakas menangkap ikan yang dilesenkan bagi Semenanjung Malaysia masih berada ditahap yang sama. Walaupun ada pertambahan lesen perkakas menangkap ikan dikeluarkan bagi perikanan laut dalam, bilangan lesen bagi angkatan vesel-vesel perikanan pantai sebenarnya menurun disebabkan kesesakan dikawasan tersebut. Kenaikkan sebanyak 0.23% dicatat bagi negeri-negeri Pantai Timur Semenanjung Malaysia manakala negeri-negeri Pantai Barat mencatat kemelesetan sebanyak 2.00%. Bagi Sarawak dianggarkan bilangan perkakas menangkap ikan

berkurangan sebanyak 2.40%. Walau bagaimanapun bilangan perkakas menangkap ikan yang beroperasi di Sabah meningkat sehingga 23.38% manakala Labuan mencatatkan peningkatan sebanyak 1.42%. Penambahan bagi setiap negeri adalah seperti di Jadual II di bawah :

Jadual II menunjukkan perubahan bilangan lesen perkakas menangkap ikan yang dikeluarkan

Kawasan	1990	1991	Perubahan %
Pantai Barat Sem. Malaysia			
Perlis	775	712	-8.13
Kedah	2,299	2,171	-5.57
Pulau Pinang/Penang	2,150	2,026	-5.77
Perak	5,017	4,840	-3.53
Selangor	2,779	2,976	7.09
Negeri Sembilan	218	212	-2.75
Melaka/Malacca	874	832	-4.81
Johor Barat/West Johore	2,886	2,890	0.14
<i>Jumlah Kecil:</i>	16,998	16,659	-2.00
Pantai Timur Sem. Malaysia			
Kelantan	1,177	1,159	-1.53
Terengganu	2,408	2,381	-1.12
Pahang	1,031	1,113	7.95
Johor Timur/East Johore	1,520	1,497	-1.51
<i>Jumlah Kecil:</i>	6,136	6,150	0.23
* Sarawak	7,803	7,617	-2.38
Sabah	3,379	4,169	23.38
W.P. Labuan	141	143	1.42
<i>Jumlah Kecil:</i>	11,323	11,929	5.35
Jumlah Besar:	34,457	34,738	0.82

* Bagi negeri Sarawak, data termasuk 4,500 perkakas yang diusahakan atas vesel yang tidak dilesenkan.

5. PENDARATAN IKAN LAUT

- 5.1 Jumlah pendaratan tangkapan laut berkurangan sebanyak 4.14% dari 951,307 t.m dalam tahun 1990 kepada 911,933 t.m. dalam tahun 1991. Kemerosotan dalam pendaratan ikan laut sebenarnya adalah disebabkan oleh kejatuhan pendaratan ikan baja. Secara keseluruhan pendaratan ikan laut yang bernilai komersial adalah meningkat 0.80% dari 640, 398 t.m. dalam tahun 1990 kepada 645,026 t.m. dalam tahun 1991.
- 5.2 Kemerosotan pendaratan berlaku di Pantai Barat Semenanjung Malaysia yang menurun sebanyak 21.27% (510,470 t.m kepada 401,900 t.m). Semua negeri selain Johor Barat dan N. Sembilan menunjukkan kemerosotan yang ketara. Beberapa sebab kemerosotan yang dicatatkan ini telah dikenalpasti. Adalah didapati pendaratan ikan pelagik di Pantai Barat Semenanjung Malaysia telah berkurangan dalam tahun 1991. Biasanya pendaratan ikan-ikan pelagik meningkat dari bulan Mei dan berterusan ke bulan November. Walau bagaimanapun, bagi tahun ini, corak demikian tidak diperhatikan. Ini menunjukkan kemerosotan stok atau perubahan corak pergerakan ikan. Cuaca buruk yang bermula awal tahun dipercayai mempengaruhi pendaratan ikan. Keadaan cuaca yang "berkabus" menghalang ramai nelayan untuk keluar ke laut dan pada masa yang sama dijangka telah mempunyai kesan ke atas plankton mengakibatkan tangkapan yang berkurangan pada masa tersebut. Pada keseluruhannya kemerosotan tangkapan adalah disebabkan oleh pertukaran musim bagi spesies pelagik dan mungkin juga kemerosotan stok bagi spesies demersal. Bagi Pantai Timur Semenanjung Malaysia, pendaratan yang dicatatkan tidak berubah dengan ketara cuma berkurangan 0.56% sahaja iaitu daripada 309,432 t.m kepada 307,687 t.m. Terengganu dan Pahang mencatat sedikit kenaikan (masing-masing 4.34% dan 3.31%) manakala Kelantan mencatat kemerosotan sebanyak 18.54% daripada 31,557 t.m. kepada 25,706 t.m. dan Johor Timur mencatat kemerosotan sebanyak 4.79% (75,269 kepada 71,664 t.m). Kemerosotan di Kelantan adalah disebabkan oleh pendaratan yang kurang baik oleh pukat tunda, pukat hanyut dan pancing. Adalah diperhatikan juga bahawa sebilangan nelayan pukat tunda mendaratkan ikan di negara-negara jiran. Selain daripada itu, kekurangan pendaratan disebabkan oleh bilangan vesel beroperasi yang menurun.
- 5.3 Potensi perikanan yang lebih baik diperaikan Sabah, Sarawak dan Labuan telah diketahui. Bagi tahun 1991, pendaratan tangkapan naik mendadak sebanyak 53.99% daripada 131,404 t.m kepada 202,346 t.m. Sarawak mencatat sebanyak 9.80% kenaikan dan Sabah mencatat lompatan besar sebanyak 142.32% (44,760 t.m kepada 108,464 t.m). Perbezaan besar disebabkan bukan hanya oleh pendaratan yang baik tetapi juga kerana kaedah pungutan data yang diubahsuai. Sebelum 1991, data dipungut dari pasar-pasar yang besar sahaja. Walau bagaimanapun bermula tahun 1991, sistem ini telah diperbetulkan dimana teknik kajian rangka (frame survey) seperti diamalkan di Semenanjung Malaysia mula dilaksanakan. Kaedah ini melibatkan pungutan data dari pengkalan pendaratan dan oleh itu memberi liputan yang lebih baik termasuk pendaratan ikan-ikan baja dan ikan-ikan kecil yang tidak sampai ke pasar-pasar. Pendaratan di Labuan berkeadaan stabil iaitu dalam lingkungan 7,200 t.m.

- 5.4 Pada keseluruhannya pendaratan pukat tunda merosot sebanyak 8.10% (daripada 576,223 t.m kepada 529,544 t.m) manakala pendaratan oleh pukat jerut jatuh sebanyak 2.3%. Pendaratan pukat jerut bilis menurun sebanyak 30.01% dan pendaratan bubu, pukat bakul, pukat surung dan pungutan kerang-kerangan juga merosot masing-masing sebanyak 17.30%, 2.90%, 51.70% dan 27.44%. Walau bagaimanapun pendaratan pukat tarik lain, pukat hanyut, pukat tangguk, belat, pancing dan pukat rentang meningkat masing-masing sebanyak 5.36%, 8.24%, 118.67%, 18.34%, 48.16% dan 34.63%.
- 5.5 Walaupun jumlah keseluruhan pendaratan laut menunjukkan kejatuhan, namun pendaratan oleh vesel-vesel laut dalam Semenanjung Malaysia mencatatkan kenaikan sebanyak 19.38% daripada 92,927 t.m dalam tahun 1990 kepada 110,943 t.m dalam tahun 1991. Pendaratan oleh pukat jerut bertambah baik meningkat sebanyak 26.02% (23,731 t.m kepada 29,907 t.m). Perkembangan ini amat menggalakkan bagi negeri-negeri Pantai Timur Semenanjung Malaysia yang mencatatkan kenaikan hebat sebanyak 55.51% (15,629 t.m kepada 24,304 t.m). Pendaratan pukat tunda oleh vesel-vesel Semenanjung Malaysia menunjukkan kemajuan sebanyak 17.10% daripada 69,196 t.m ke 81,036 t.m. Pertambahan ini kebanyakannya juga dari negeri-negeri Pantai Timur (21.88%).

6. TERNAKAIR

- 6.1 Pada dasarnya industri ternakair di Malaysia meliputi ternakan ikan airtawar dan airpayau. Ternakan airtawar dijalankan di kolam-kolam airtawar, sangkar airtawar dan bekas lombong. Sementara itu ternakan air payau merangkumi kolam airpayau, sangkar airpayau dan ternakan moluska seperti kerang, siput sudu dan tiram.
- 6.2 Jumlah pengeluaran daripada sektor ternakair mencapai 64,844 t.m tahun ini berbanding dengan 52,303 t.m dalam tahun 1990 iaitu kenaikan sebanyak 23.98%. Kenaikan yang baik daripada sektor air payau adalah sebanyak 26.14% (daripada 42,614 t.m kepada 53,755 t.m). Sementara bahagian airtawar mencatat tambahan sebanyak 14.44% (daripada 9,689 kepada 11,089 t.m). Dalam lingkungan sektor airpayau pengeluaran ternakan kolam bertambah sebanyak 10.97% dan ternakan sangkar sebanyak 3.65%. Kutipan kerang walau bagaimanapun mencatat kenaikan yang hebat sebanyak 29.76% manakala pengeluaran siput sudu menurun sebanyak 1.20%. Dengan harga yang lumayan bagi tiram, ternakannya telah bertambah popular dan pada tahun 1991, pengeluaran sebanyak 56.66 t.m telah dicatat. Ternakan ini adalah tertumpu di negeri Johor yang mengeluarkan sebanyak 52.81 t.m. sementara negeri Kedah dan Perak masing-masing menghasilkan cuma 1.37 t.m dan 2.48 t.m. Bagi ternakan air tawar, pengeluaran daripada kolam bekas lombong bertambah sebanyak 4.86% dan pengeluaran kolam meningkat sebanyak 15.70%. Adalah penting disebut disini bahawa ternakan belut telah berjaya dilaksanakan terutama di negeri Pahang yang menghasilkan 442.51 t.m dari 200 kolam air tawar seluas 1,663,215 meter persegi. Sektor ternakan sangkar juga meningkat sebanyak 11.24%.

- 6.3 Mengikut kawasan, pengeluaran di Semenanjung Malaysia sebenarnya meningkat sebanyak 32.94% daripada 42,444 t.m kepada 56,427 t.m. Kemajuan yang ketara dalam pengeluaran telah dicatat bagi Pulau Pinang (20.30%), Perak (52.74%), Selangor (15.33%), Johor (7.20%) Terengganu (0.13%) dan Kelantan sebanyak 0.34%. Walaupun jumlah pengeluaran di Perlis dan Kedah menunjukkan kemelesetan (masing-masing 36.51% dan 30.65%), pembangunan industri ternakair adalah sebenarnya meningkat kecuali pungutan kerang di kedua-dua negeri ini sahaja yang merosot dan dengan itu mempengaruhi jumlah angka pengeluaran keseluruhan. Pengeluaran siput sudu bagi Kedah misalnya meningkat daripada hanya 0.20 t.m dalam tahun 1990 kepada 20.33 t.m dalam tahun 1991. Pengeluaran ternakair di N. Sembilan dan Melaka telah menurun secara tidak ketara sebanyak 2.33% dan 4.94%. Sabah dan Sarawak juga tidak menunjukkan kemajuan baik dengan tiada perkembangan bagi Sarawak dan jumlah pengeluaran bagi Sabah telah merosot sebanyak 14.92%. Walau bagaimanapun, kemerosotan adalah juga disebabkan oleh pungutan kerang yang merosot daripada 3,640 m.t dalam tahun 1990 kepada 1,079 t.m dalam tahun 1991. Aktiviti ternakan yang lain untuk Sabah sebenarnya menunjukkan perkembangan dalam pengeluaran kolam air tawar meningkat sebanyak 19.67% dan kolam airpayau sebanyak 12.50%.
- 6.4 Pada keseluruhannya adalah diperhatikan bahawa terdapat hubungkait yang positif antara pengeluaran jenis ternakan dengan kawasan ternakan. Jadual III menunjukkan perubahan pengeluaran dibandingkan dengan kawasan ternakan.

Jadual III

Perubahan Pengeluaran dan Kawasan Ternakan

	Ternakan Airtawar			Ternakan Airpayau			
	Kolam	Bekas Lombong	*Sangkar	Kolam	*Sangkar	Kerang	Siput Sudu
1991							
Pengeluaran (t.m.)	9,566	949	574	3,379	2,130	46,625	1,563
Luas Kawasan Ternakan (ha.)	4,861	644	24,613	1,631	301,777	5,674	41,023
1990							
Pengeluaran (t.m.)	8,268	905	516	3,045	2,055	35,932	1,582
Luas Kawasan Ternakan (ha.)	4,249	641	21,413	1,552	242,971	5,542	55,455
Perubahan %							
Pengeluaran	15.70	4.86	11.24	10.97	3.65	29.76	1.20
Luas Kawasan Ternakan	14.40	0.47	14.94	5.09	24.20	2.38	-26.02

* Luas kawasan sangkar dalam meter persegi

- 6.5 Pengeluaran kolam airtawar meningkat sebanyak 15.70% berbanding dengan peningkatan kawasan ternakan sebanyak 14.40%. Kawasan ternakan kolam bekas lombong meningkat hanya 0.47% mengakibatkan peningkatan pengeluaran sebanyak 4.86%. Peningkatan kawasan ternakan sangkar airtawar adalah sebanyak 14.94% berbanding dengan peningkatan pengeluaran sebanyak 11.24%. Arah aliran yang sama dapat diperhatikan bagi ternakan airpayau. Pengeluaran kolam meningkat sebanyak 10.97% berbanding dengan peningkatan kawasan kolam sebanyak 5.09%. Walau bagaimanapun pengeluaran dari sangkar hanya naik sebanyak 3.65% walaupun kawasan ternakan bertambah sebanyak 24.20%. Pungutan kerang meningkat sebanyak 29.76% tahun ini dengan peningkatan kawasan ternakan sebanyak 2.38%. Pengeluaran siput menurun sebanyak 1.20%, begitu juga kawasan ternakan menurun sebanyak 26.02%.

7. IKAN HIASAN

- 7.1 Pengeluaran ikan-ikan hiasan adalah daripada negeri Pulau Pinang, Perak, Selangor, Melaka, Johor dan bermula tahun ini ialah N. Sembilan. Penghasilan keseluruhan bagi 1991 adalah 88,584,841 ekor bernilai \$14.5 juta. Ini merupakan peningkatan sebanyak 26.48% dibandingkan dengan 1990 (70,037,369 ekor). Negeri Melaka menunjukkan prestasi yang baik, bertambah sebanyak 410.34% diikuti dengan negeri Perak dan negeri Johor yang bertambah sebanyak 39.47% dan 28.85% masing-masing. Pengeluaran dari negeri Selangor masih pada tahap yang sama manakala pengeluaran dari Pulau Pinang menurun sebanyak 15.09%.
- 7.2 Nilai pengeluaran bertambah sebanyak 61.09% dari \$9.0 juta ke \$14.5 juta. Nilai pengeluaran bagi Perak, Melaka dan Johor masing-masing bertambah sebanyak 242.92%, 298.96% dan 38.64%. Sebaliknya nilai pengeluaran meleset untuk negeri Selangor sebanyak 18.47% walaupun pengeluarannya pada tahap yang sama. Untuk negeri Pulau Pinang, nilai pengeluaran bertambah sebanyak 163.14% walaupun pengeluarannya menurun mungkin kerana spesis-spesis ikan hiasan yang berharga tinggi lebih ditumpukan.

Status of The Fisheries Sector in Malaysia

1. Introduction

- 1.1 Basically the fisheries industry in Malaysia consists of marine capture fisheries and aquaculture. Inland fishery at this present moment does not contribute significantly to the industry. For management purposes, the marine capture fisheries is categorized into the inshore sector and the deep sea sector. Aquaculture on the other hand covers freshwater culture and brackishwater culture.
- 1.2 The inshore capture fishery is already heavily exploited and there is evidence that fishing is over-saturated. Landings from this sector have peaked and is not expected to expand any further. However the deep sea sector has shown steady growth and has further potential for development. Aquaculture also offers bright prospects for further development and expansion. Based on resource potential, the developmental efforts are geared towards the deep sea fishery and aquaculture sector while sustaining production from the inshore sector.

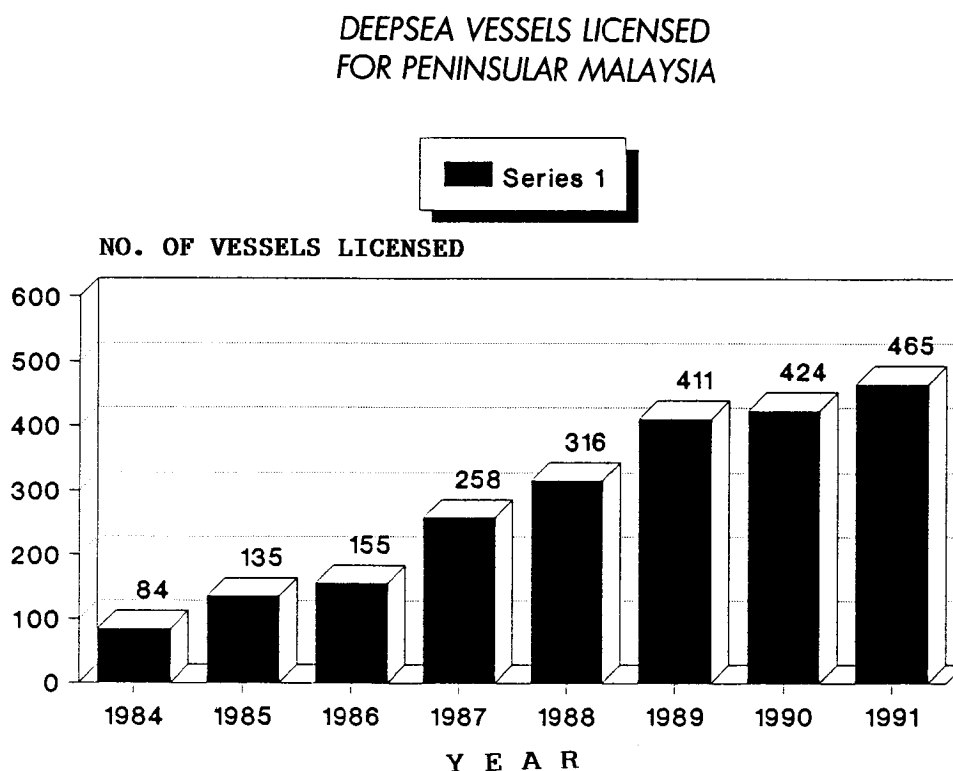
2. Employment

- 2.1 A total of 90,362 fishermen were engaged in the marine fisheries sector in 1991 compared to 88,494 in 1990 thus showing an increase of 2.11%. The increment in the number of fishermen occurred mostly in the east coast states of Peninsular Malaysia going up by 11.32% (from 20,747 to 23,096). The number for Pahang increased by 41.93%, Kelantan 8.11%, Terengganu 6.34% whereas East Johore recorded a drop in the number of fishermen by 1.79%. Overall there was a drop in the number of fishermen working on licensed vessels in the west coast states of Peninsular Malaysia by 2.15% (from 39,054 to 38,213). Perlis recorded a drop of 1.56%, Kedah 5.11%, Penang 3.66%, Perak 2.78%, N.Sembilan 2.46%, Malacca 6.87% and W.Johore 0.84%. However, the state of Selangor recorded a marginal increment of 3.84%.
- 2.2 The number of fishermen working on licensed vessels in Labuan increased by 9.66% and Sabah by 0.32%. For this year the number of fishermen working on licensed vessels in Sarawak was recorded at 6,966 and a further 5,500 fishermen working on unlicensed vessels giving a total of 12,466 as against a total of 12,197 working on both licensed and unlicensed vessels recorded in 1990. As such it was estimated that the total number of fishermen in Sarawak increased by 2.21%.

3. Fishing Vessels

- 3.1 The fishing fleet decreased slightly from 39,541 units in 1990 to 37,401 units in 1991 that is by 5.41%. The reduction was minimal for Peninsular Malaysia going down by only 1.40% (from 23,134 to 22,809) with the west coast dropping by 1.97% whereas the east coast actually had an increase of 0.16%. The fishing fleet for Peninsular Malaysia can be said to be stabilised with the increment due mainly to new vessels licensed for deep sea fishing especially in the east coast states. Reduction in the west coast was due to the small number of vessels which were phased out of the industry.
- 3.2 However the task of estimating the number of fishing vessels in Sabah, Sarawak and Labuan was greatly affected by difficulty in recording. This was due to the large number of unlicensed vessels operating especially in remote areas. The estimation of the number of these vessels had posed great problems throughout the years. In Sabah the number of fishing vessels for 1990 was over estimated at 9,200 units. However with the new system of data collection, a census was done and the total fishing vessel was found to be 7,204 units in 1991. The difference was due to the over estimation of the small vessels operating in remote areas before 1991. For Sarawak, the same problem arose with more than 50% of the fishing vessels unlicensed. Overall an estimated 4,500 vessels were unlicensed which were mainly small crafts.
- 3.3 Table I shows the trend in the number of deep sea vessels licensed in Peninsular Malaysia. Though overall there was a drop in number of fishing vessels, the deep sea fishing fleet increased at a steady rate. The expansion was 17.6% for the whole of Malaysia increasing by 103 units from 586 in 1990 to 689 in 1991. Peninsular Malaysia recorded a 10% increase in the number of deep sea vessels. The increment was especially for the east coast states (21.21%), with Pahang going ahead with an addition of 44 vessels from only 76 in 1990 to 120 units in 1991. Terengganu increased its deep sea fleet by 6 units whereas Kelantan increased by 1 unit. For East Johore the fleet decreased by 2 units. For Sabah, Sarawak and Labuan, the deep sea fishing vessels increased by 38.3% from 162 units to 224 units. In Sarawak the number in operation increased by 98 units from 116 in 1990 to 214 in 1991 whereas Labuan licensed only an additional unit to a total of 3 units now in operation. Sabah recorded only 7 licensed deep sea vessels in 1991 as against 44 units in 1990. The sharp decline was the result of numerous vessels not relicensed for 1991 especially SAFMA's (Sabah Fisheries Marketing Authority) vessels which were non-operational in 1991 for various reasons.

Table I:



4. Fishing Gears

- 4.1 Including gears operated by unlicensed vessels in Sarawak numbering some 4,500 units, the total number of gears operating in 1991 was 34,738. This showed a slight increase over last year's figure of 34,457 by 0.82%. The number of gears licensed for Peninsular Malaysia remained about the same. Though there was an increase of gear licensed issued for deep sea fishing, licenses for the rest of the inshore fleet actually decreased due to over saturation in this area. There was a slight increase of 0.23% for the east coast states of Peninsular Malaysia and a drop of 2.0% for the west coast states. As for Sarawak it was estimated to decrease by 2.4%. However, the number of gears in operation in Sabah increased by as much as 23.38% whereas Labuan recorded an increase of 1.42%. The changes by states are as shown in Table II.

Table II to show changes in Gear Licences Issued

Area	1990	1991	% Change
West Coast of Peninsular Malaysia			
Perlis	775	712	-8.13
Kedah	2,299	2,171	-5.57
Pulau Pinang/Penang	2,150	2,026	-5.77
Perak	5,017	4,840	-3.53
Selangor	2,779	2,976	7.09
Negeri Sembilan	218	212	-2.75
Melaka/Malacca	874	832	-4.81
Johor Barat/West Johore	2,886	2,890	0.14
<i>Sub-Total:</i>	16,998	16,659	-2.00
East Coast of Peninsular Malaysia			
Kelantan	1,177	1,159	-1.53
Terengganu	2,408	2,381	-1.12
Pahang	1,031	1,113	7.95
Johor Timur/East Johore	1,520	1,497	-1.51
<i>Sub-Total:</i>	6,136	6,150	0.23
* Sarawak	7,803	7,617	-2.38
Sabah	3,379	4,169	23.38
W.P. Labuan	141	143	1.42
<i>Sub-Total:</i>	11,323	11,929	5.35
Grand Total:	34,457	34,738	0.82

* For Sarawak, figure includes 4,500 gears operating on unlicensed vessels

5. Marine Landings

- 5.1 The total landing from marine capture fisheries declined by 4.14% from 951,307 m.t. in 1990 to 911,933 m.t. in 1991. The drop in the marine capture is actually due to the reduction in trash fish landings. Generally, the commercial marine fish landings has increased 0.8% from 640,398 m.t. in 1990 to 645,026 m.t. in 1991.
- 5.2 The reduction occurred mainly in the West Coast of Peninsular Malaysia going down by as much as 21.27% (510,470 m.t. to 401,900 m.t.). All states except for West Johore and N.Sembilan recorded a drop in landing. Landings in West Johore and N.Sembilan did not show any significant changes. Various reasons have been identified for the decline recorded. It was noted that the pelagic landings in the West Coast of Peninsular Malaysia deteriorated in 1991. Normally the landings of pelagic fishes increased from May and continued through to November. However, this trend was not observed this year suggesting a stock reduction or a change in migratory patterns. The weather was also cited as a factor for the poor landings which began early in the year right into the second half of the year. The 'foggy' situation prevented many fishermen from going out and at

the same time could have an effect on the plankton resulting in poor catches during the period. On the whole the decline in catch, was the result of seasonal changes for pelagic species and probably declining stock for demersal species. As for the East Coast of Peninsular Malaysia, the landings recorded remained almost unchanged dropping by only 0.56% i.e from 309,432 m.t to 307,687 m.t. Terengganu and Pahang registered a slight increase (4.34% and 3.31% respectively) whereas Kelantan recorded a decrease of 18.54% from 31,557 tonnes to 25,706 tonnes and East Johore a decrease of 4.79% (75,269 to 71,664 m.t.). The decline in Kelantan was due to bad landings by trawlers, gill netters and hooks and lines. It was observed that a significant number of trawlers landed their fishes in neighbouring states and countries for various reasons. The reduction in landing by the rest was due to the lesser number of boats in operation.

- 5.3 The better potential in the waters of Sabah, Sarawak and Labuan has been known. For 1991, the marine catch landings shot up by 53.99% from 131,404 m.t to 202,346 m.t. Sarawak recorded a 9.80% increase and Sabah recorded a huge jump of 142.32% (44,760 m.t to 108,464 m.t). The big difference was due not only to better landings but also by improvement in data collection methodology. Before 1991, data were collected from major markets. However, beginning 1991, this system was revamped where the frame-survey technique practised in Peninsular Malaysia was implemented. This method involved the collection of data from landing sites, thus giving better coverage. It also included landings of trash fishes and small fishes that did not reach the market. Landings in Labuan remained stable at around 7,200 m.t.
- 5.4 The overall trawl landings deteriorated by 8.10% (from 576,223 m.t. to 529,544 m.t) whereas landings from the purse seiners dropped marginally by 2.3%. Landings of anchovy by purse seiners came down by 30.01% and landings of portable traps, bag nets, push nets and shellfish collection also declined by 17.30%, 2.90%, 51.70% and 27.44% respectively. However landings of other seine nets, gill nets, lift nets, stationary traps, hook and lines and barrier nets crept up by 5.36%, 8.24%, 118.67%, 18.34%, 48.16% and 34.63% respectively.
- 5.5 Even though the total marine catch showed a decline, however, the landings by deep sea vessels recorded an increase of 19.38% from 92,927 m.t. in 1990 to 110,943 m.t in 1991. Landings of fish purse seiners improved by a much as 26.02% (23,731 to 29,907 m.t.). The improvement was most remarkable for the east coast states of Peninsular Malaysia recording an impressive 55.51% increment (15,629 to 24,304 m.t.). Trawl landings by these big vessels improved by 17.10% from 69,196 m.t to 81,036 m.t. This increment came mostly from the east coast states (21.88%).

6. Aquaculture

- 6.1 Basically the aquaculture industry in Malaysia comprises freshwater and brackishwater culture. Freshwater culture is carried out in freshwater ponds, freshwater cages and ex-mining pools. On the other hand brackishwater culture covers brackishwater ponds, brackishwater cages and mollusc culture comprising cockle, mussels, and oysters.
- 6.2 The total production from the aquaculture sector came to 64,844 m.t. this year compared to 52,303 m.t. in 1990 thus improving by 23.98%. The improvement in production from the brackishwater sector was 26.14% (from 42,614 m.t to 53,755 m.t). Whereas the freshwater side recorded a 14.44% gain (from 9,689 to 11,089 m.t). Within the brackishwater sector, pond culture production increased by 10.97% and cage culture by 3.65%. Cockle harvest however improved remarkably by 29.76% and mussel production decreased slightly by 1.20%. With good prices for oysters, the culture had gained popularity and for 1991, a harvest of 56.66 m.t was recorded. The culture is prominent in Johore recording a production of 52.81 m.t in 1991. The rest came from Kedah (1.37 m.t) and Perak (2.48 m.t). For freshwater culture, production from ex-mining ponds increased by 4.86% and production from ponds went up by 15.70%. It is important at this point that eel culture had been successfully implemented especially in the state of Pahang which produced 442.51 m.t in 1991 out of about 200 ponds totalling 1,663,215 meter square area. Lastly, the cage culture sector also increased by 11.24%.
- 6.3 By area, production in Peninsular Malaysia actually increased by 32.94% from 42,444 m.t to 56,427 m.t. Significant improvement in production was recorded for Penang (20.30%), Perak (52.74%), Selangor (15.33%), Johor (7.20%), Terengganu (0.13%) and Kelantan with a marginal increase of only 0.34%. Even though the total production in Perlis and Kedah showed a decline (36.51% and 30.65% respectively), the development of the culture industry was significant except that the cockle harvests in both these states were very poor thus affecting the total production figure. Production of mussels for Kedah for example went up from only 0.20 m.t in 1990 to 20.33 m.t. in 1991. Production of aquaculture in N. Sembilan and Malacca remained relatively stagnant dipping insignificantly by 2.33% and 4.94% respectively. Sabah and Sarawak did not perform well with no growth for Sarawak and decline in total production for Sabah by as much as 14.92%. However, the decline was again due to the poor harvest of cockle, dropping from 3,640 m.t. in 1990 to 1,079 m.t. in 1991. Other cultures actually expanded with freshwater pond production increasing by 19.67% and brackishwater ponds by 12.50%.

- 6.4 It was noticed that generally there was a positive relationship between the production of each type of culture with the area of cultivation. The Table III below shows the changes in production as compared to area of production.

Table III:

Changes of Production and Culture Areas

	Freshwater Culture			Brackishwater Culture			
	Ponds	Ex-pools	* Cages	Ponds	* Cages	Cockle	Mussels
1991							
Production (m.t)	9,566	949	574	3,379	2,130	46,625	1,563
Culture Area (ha)	4,861	644	24,613	1,631	301,777	5,674	41,023
1990							
Production (m.t)	8,268	905	516	3,045	2,055	35,932	1,582
Culture Area (ha)	4,249	641	21,413	1,552	242,971	5,542	55,455
% Changes							
Production	15.70	4.86	11.24	10.97	3.65	29.76	1.20
Culture Area	14.40	0.47	14.94	5.09	24.20	2.38	-26.02

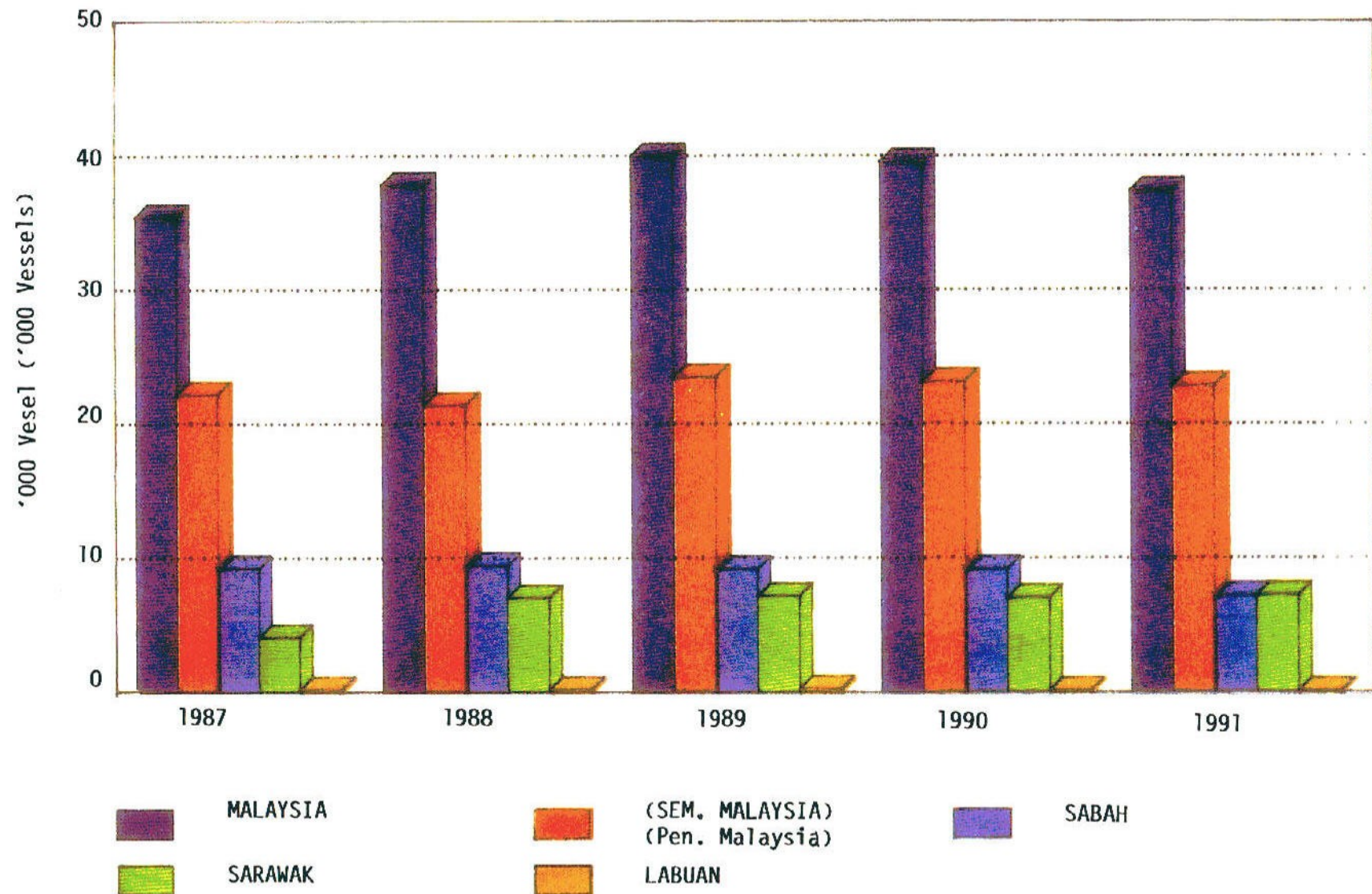
* Culture area for cages is in meter square.

- 6.5 Production of freshwater ponds increased by 15.70% as against an increase of 14.40% of culture area. Culture area for ex-mining ponds went up by only 0.47% resulting in an increase in production of 4.86%. The increase in the area of freshwater cages by 14.94% could possibly explain the improvement in production by 11.24%. The same trend could be noticed for brackishwater culture. Pond production increased by 10.97% as against an increase of pond area by 5.09%. However, production from cages only crept up by 3.65% even though the culture area went up by 24.20%. Cockle harvest went up by 29.76% this year with an increase of 2.38% in culture area. However production of mussels declined by 1.20% and there was a decline of area by 26.02% recorded in 1991.

7. Ornamental Fish

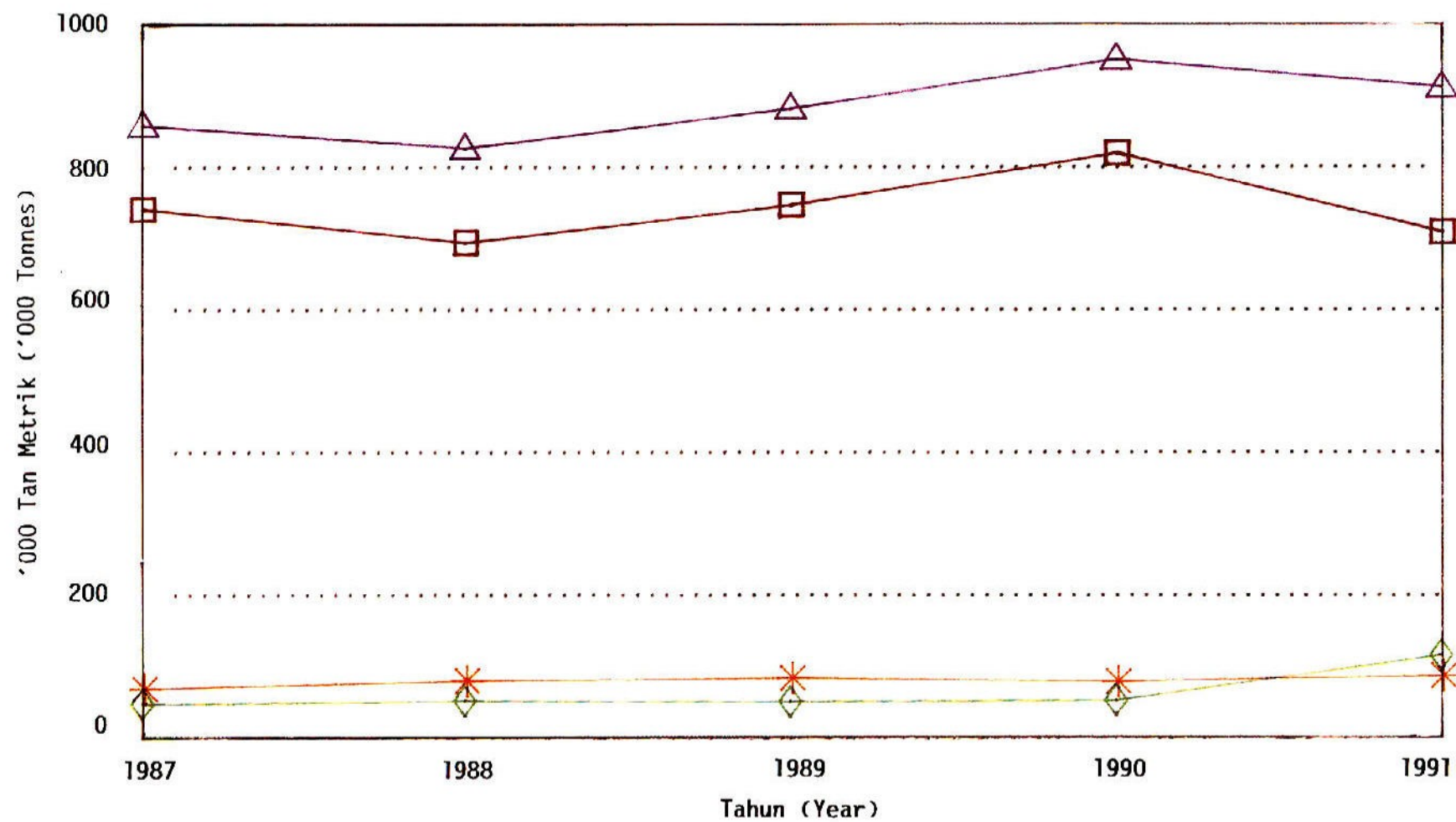
- 7.1 Production of ornamental fishes came mainly from Penang, Perak, Selangor, Malacca, Johor and also some from N.Sembilan. The total production for 1991 was recorded at 88,584,841 pieces valued at \$14.5 million. This represents an increase of production by 26.48% as compared to 1990 (70,037,369 pieces). Malacca showed good performance, increasing by 410.34%, with Perak and Johore moving up by 39.47% and 28.85% respectively. Production from Selangor remained at the same rate. However, production from Penang declined by 15.09% this year.
- 7.2 The production value went up by 61.09% from \$9.0 million to \$14.5 million. As the production increased for Perak, Malacca and Johore, the production value also increased by 242.92%, 298.96% and 38.64% respectively. However, the production value decreased by 18.47% for Selangor in spite of maintaining its production at about the same level. On the other hand the production value for Penang increased by 163.14% in spite of a decline in production due to the production of higher priced species.

MALAYSIA
BIL. VESEL MENANGKAP IKAN YANG DILESENKAN, 1987 - 1991
(Number Of Fishing Vessels Licensed, 1987 - 1991)



* Untuk Sarawak, bil vesel termasuk vesel yang tidak dilesenkan
 For Sarawak, the no. of vessels include vessels not licensed

MALAYSIA
ARAH ALIRAN PENDARATAN IKAN LAUT, 1987 - 1991
(Trend Of Marine Fish Landings, 1987 - 1991)



MALAYSIA



SEM. MALAYSIA (Pen. Malaysia)

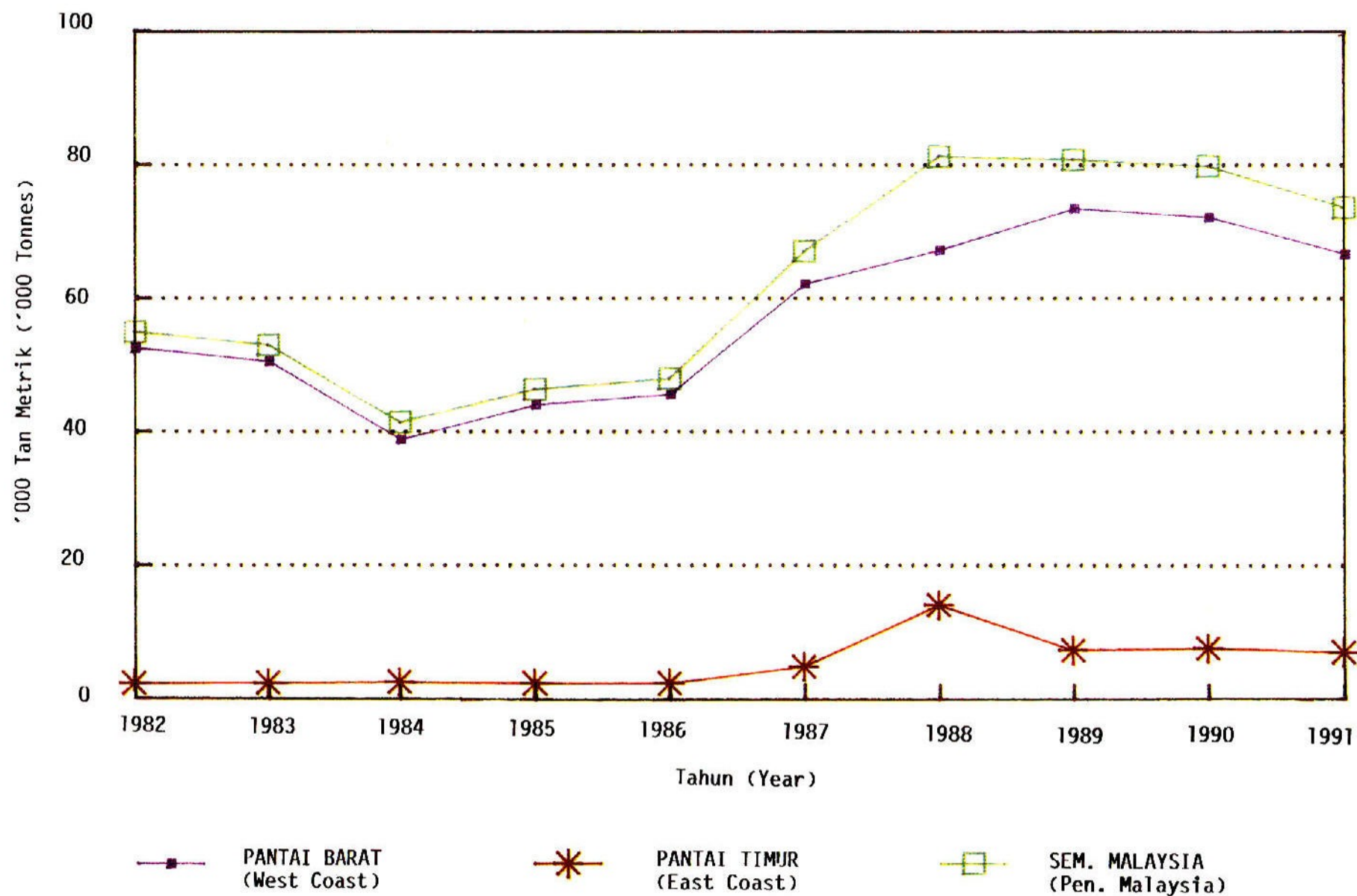


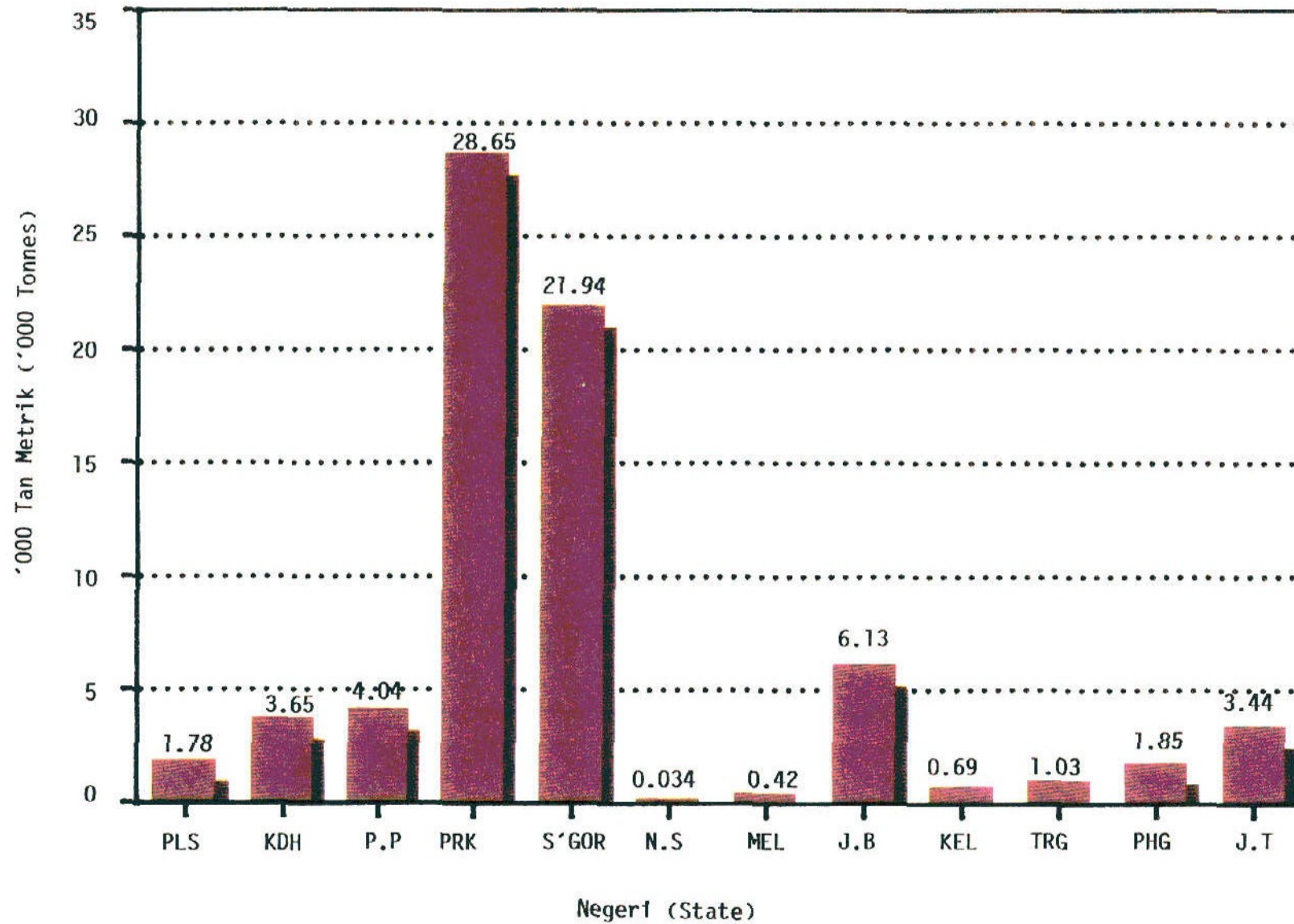
SABAH & LABUAN



SARAWAK

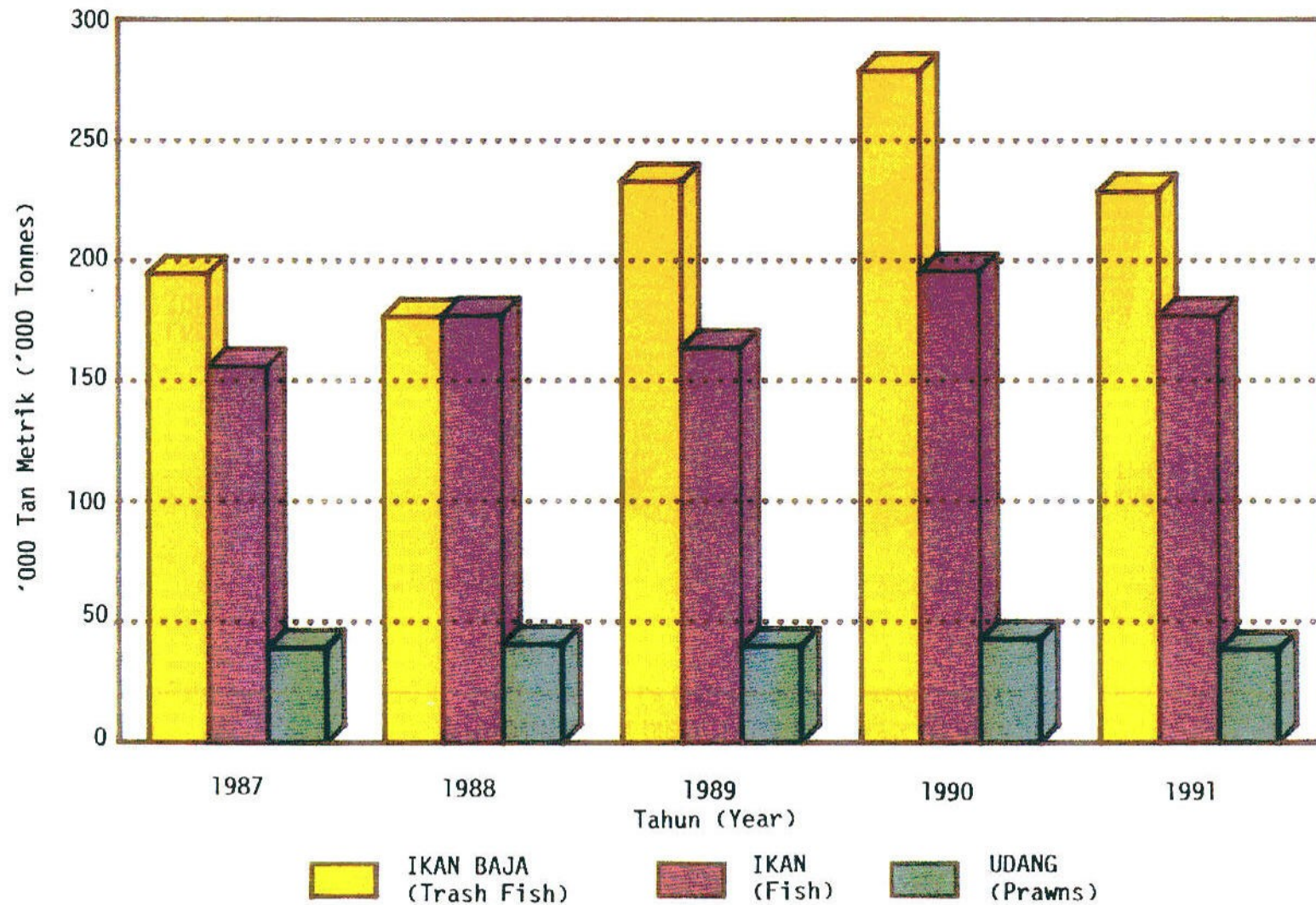
SEMENANJUNG MALAYSIA
(Peninsular Malaysia)
ARAH ALIRAN PENDARATAN UDANG, 1982 - 1991
(Trend Of Prawn Landings, 1982 - 1991)



SEMENANJUNG MALAYSIA
(Peninsular Malaysia)**PENDARATAN UDANG, 1991**
(Prawn Landings, 1991)

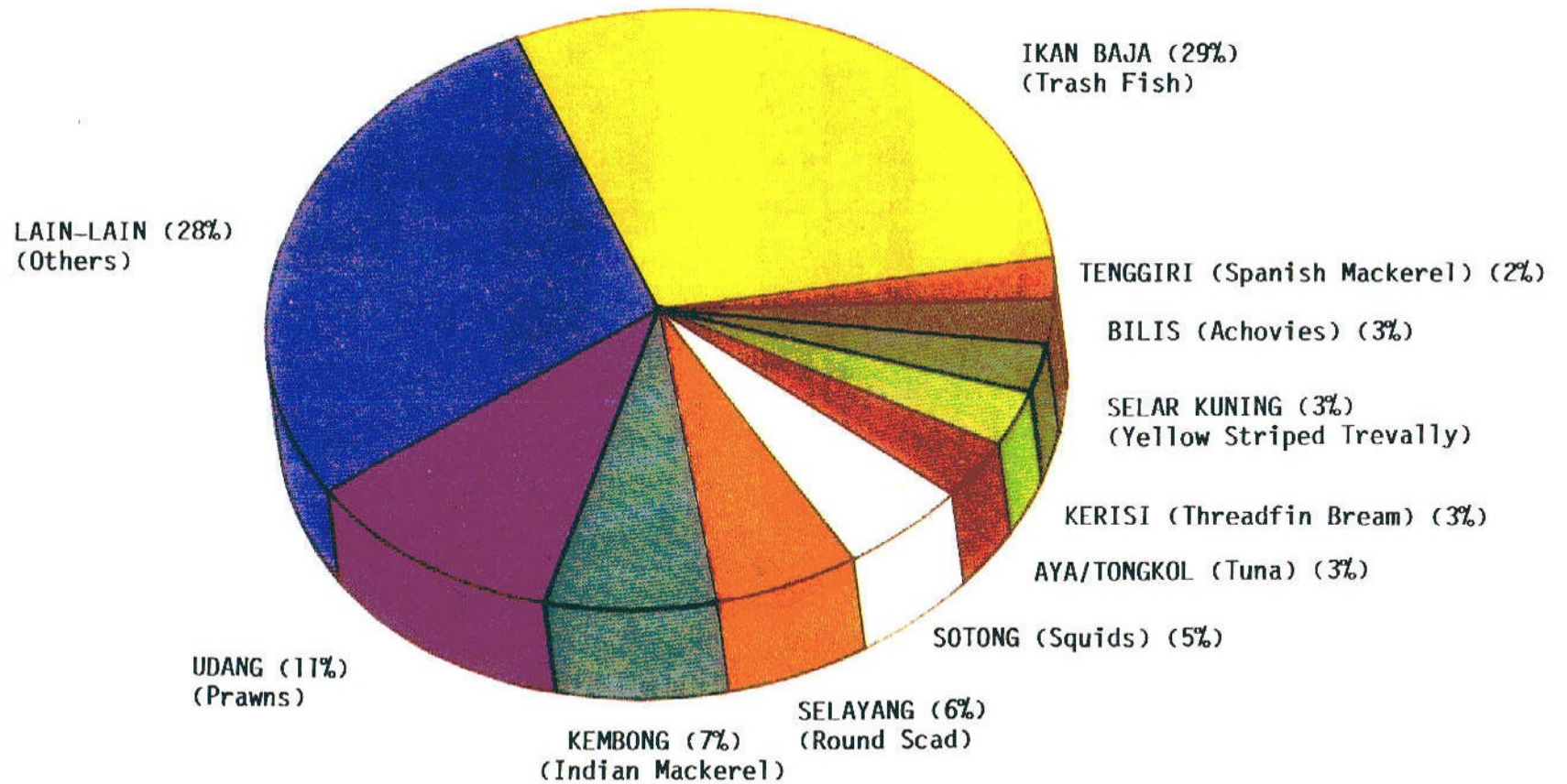
SEMENANJUNG MALAYSIA
(Peninsular Malaysia)

PENDARATAN PUKAT TUNDA, 1987 - 1991
(Trawl Landings, 1987 - 1991)



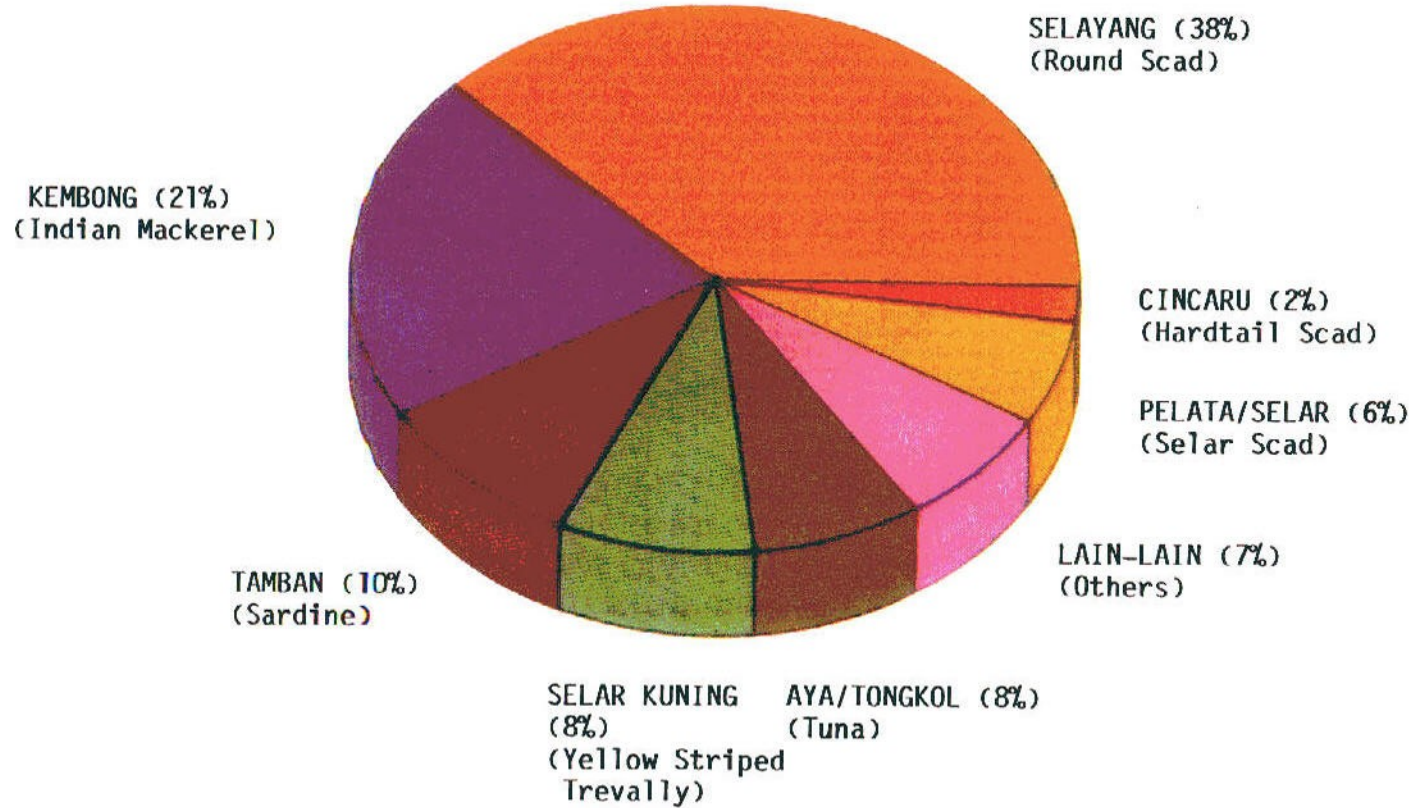
MALAYSIA

PENDARATAN MENGIKUT SPESIES UTAMA, 1991
(Landings Of Fish By Main Species, 1991)

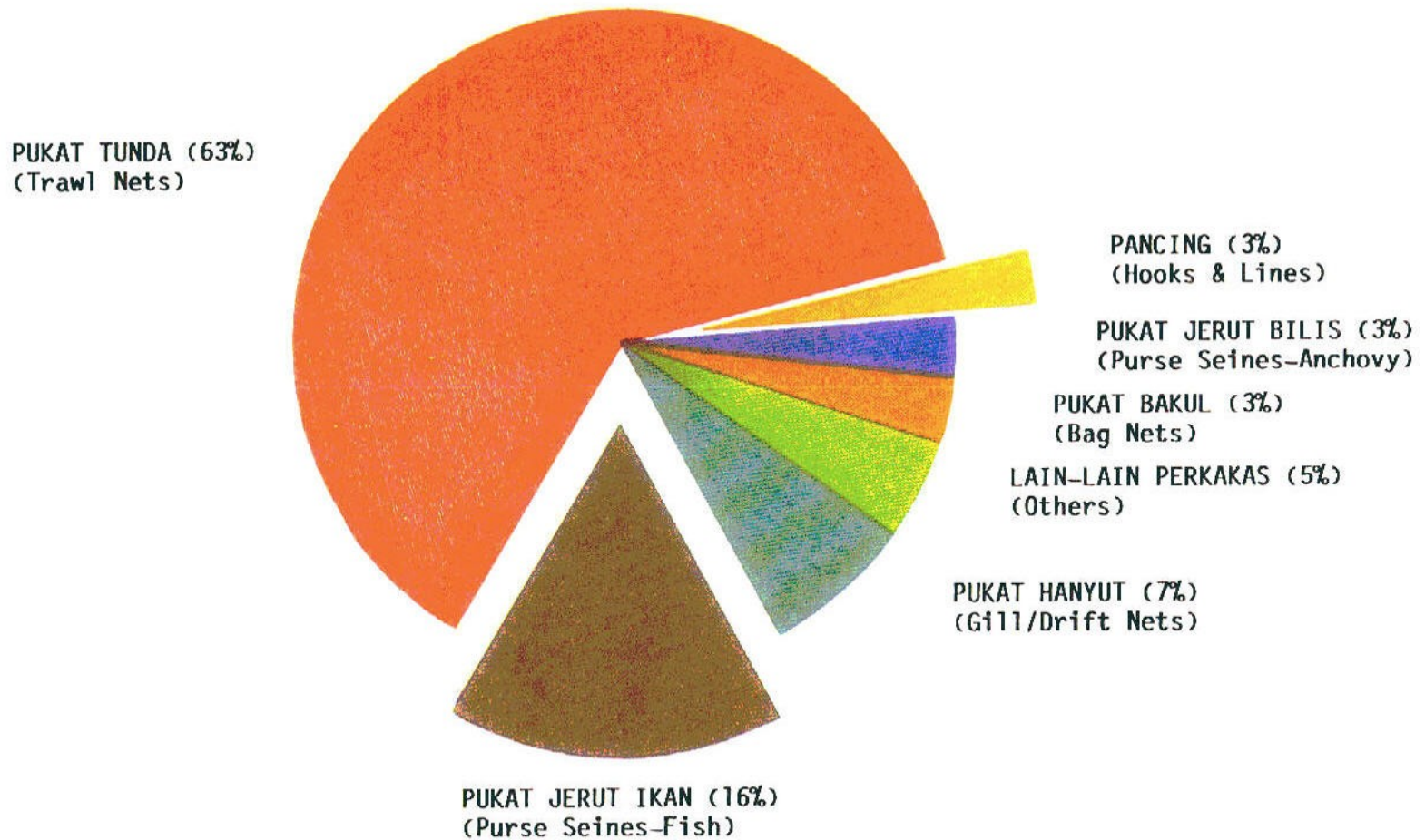


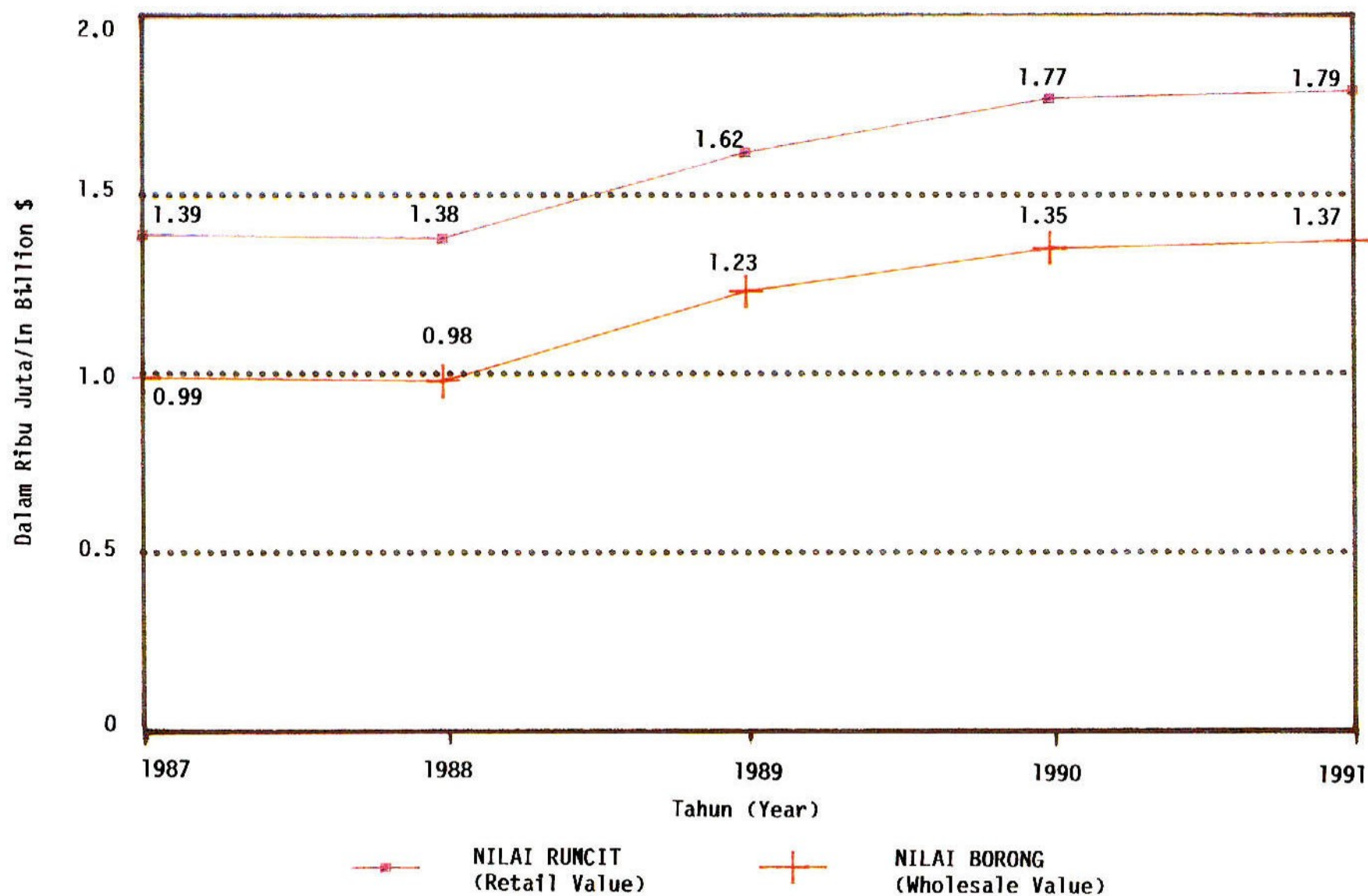
SEMENANJUNG MALAYSIA
(Peninsular Malaysia)

PENDARATAN PUKAT JERUT, 1991
MENGIKUT SPESIES UTAMA
(Purse Seine Landings, 1991)
(By Main Species)



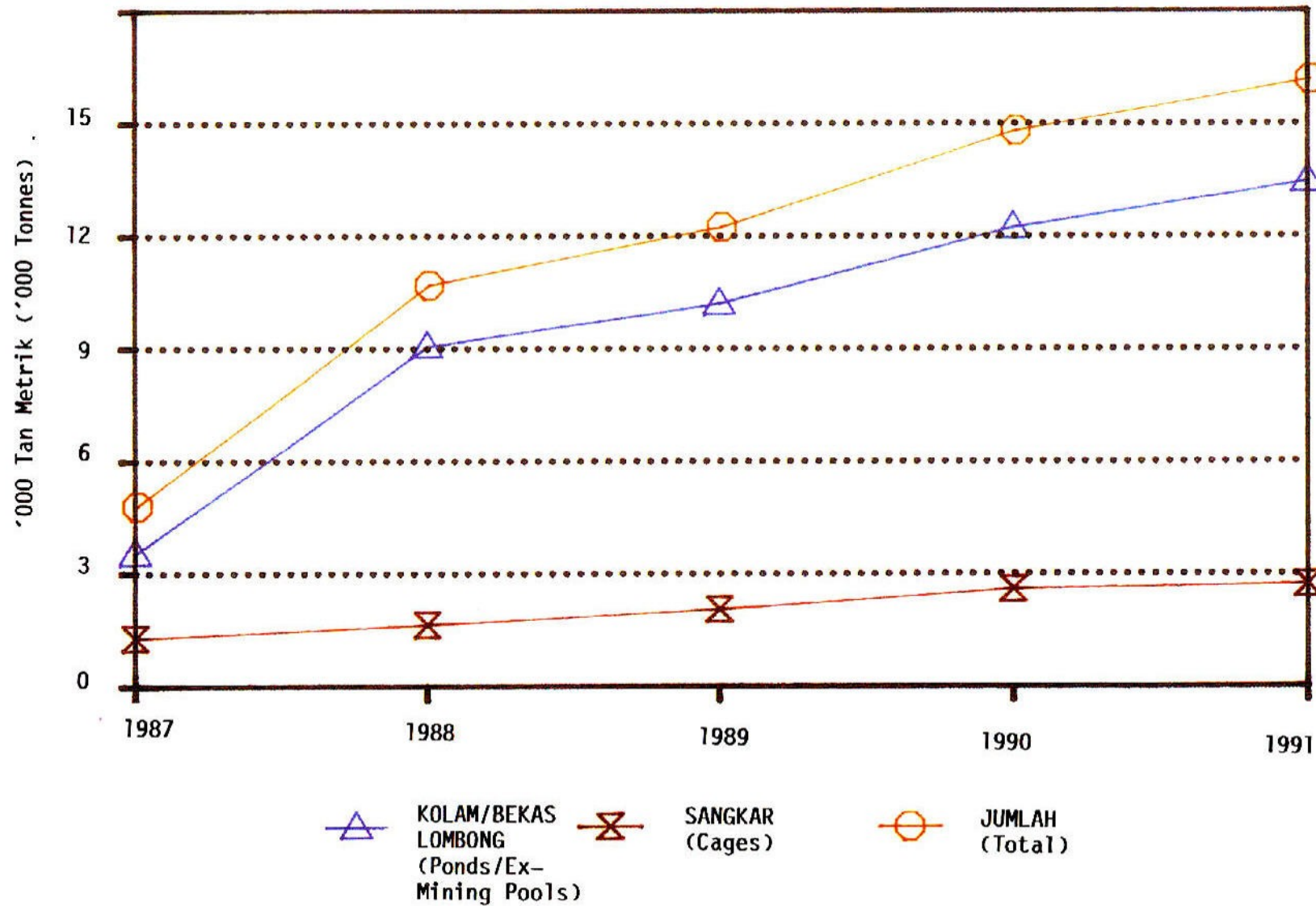
SEMENANJUNG MALAYSIA
(Peninsular Malaysia)
PENDARATAN IKAN LAUT, 1991
(MENGIKUT KUMPULAN PERKAKAS)
(Landings Of Marine Fish, 1991)
(By Gear Group)



SEMENANJUNG MALAYSIA
(Peninsular Malaysia)**ARAH ALIRAN NILAI PASARAN IKAN LAUT, 1987 - 1991**
(Market Value Of Marine Fish, 1987 - 1991)

MALAYSIA

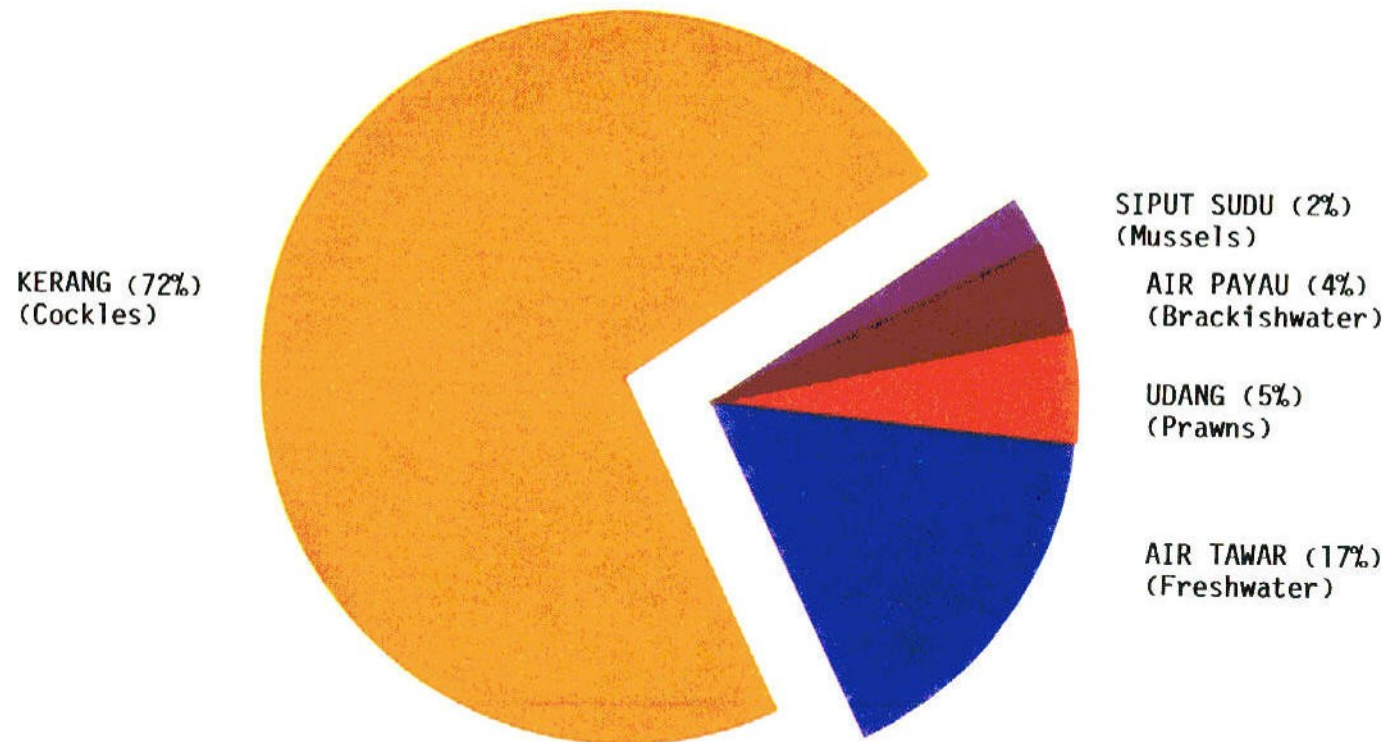
ARAH ALIRAN PENGELUARAN IKAN TERNAKAIR, 1987 - 1991
(Trend Of Aquaculture Production, 1987 - 1991)



MALAYSIA

CARTA (CHART) K

PENDARATAN SEKTOR AKUAKULTUR, 1991 MENGIKUT JENIS TERNAKAN (Production Of Aquaculture by Type)



VESEL-VESEL MENANGKAP IKAN DI MALAYSIA



FISHING VESSELS OF MALAYSIA

MALAYSIA
BILANGAN NELAYAN-NELAYAN YANG BEKERJA DI ATAS VESEL-VESEL BERLESEN, 1991
NUMBER OF FISHERMEN WORKING IN LICENSED VESSELS, 1991

JADUAL (TABLE) 1.1

Negeri State Keturunan/ Ethnic Group	Pantai Barat/West Coast								Jumlah Kecil Sub- Total	Pantai Timur/East Coast				Jumlah Kecil Sub- Total	Sarawak	Sabah	W.P. Labuan Labuan, Federal Territory	Jumlah Kecil Sub- Total	Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor D.Ehsan	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore		Kelantan	Terengganu	Pahang Darul Makmur	Johor Timur East Johore						
Bumiputera Bumiputras	2,491	5,352	1,837	1,908	981	149	1,069	2,317	16,104	3,830	9,712	3,844	2,304	19,690	5,901	10,480	226	16,607	52,401
China Chinese	237	762	2,430	8,286	4,915	244	297	2,057	19,228	8	63	579	1,507	2,157	1,053	2,069	33	3,155	24,540
India Indians	0	0	52	274	80	35	1	5	447	0	0	0	1	1	0	0	0	0	448
Portugis Portuguese	0	0	0	0	0	2	72	0	74	0	0	0	0	0	0	0	0	0	74
Thai Thais	1,429	911	1	0	0	0	0	0	2,341	253	294	661	33	1,241	0	0	0	0	3,582
Indonesia Indonesians	0	0	0	0	0	6	11	0	17	0	0	0	0	0	0	0	0	0	17
Lain-Lain Others	0	0	0	0	0	0	0	2	2	0	0	7	0	7	12	3,584	195	3,791	3,800
Jumlah Besar Grand Total	4,157	7,025	4,320	10,468	5,976	436	1,450	4,381	38,213	4,091	10,069	5,091	3,845	23,096	6,966	16,133	454	23,553	84,862

MALAYSIA
BILANGAN NELAYAN-NELAYAN BEKERJA DI ATAS VESEL-VESEL BERLESEN MENGIKUT KUMPULAN PERKAKAS DAN NEGERI, 1991
NUMBER OF FISHERMEN WORKING IN LICENSED VESSELS BY GEAR GROUP AND STATE, 1991

JADUAL (TABLE) 1.2

Negeri State	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor Darul Ehsan	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Kelantan	Terengganu	Pahang Darul Makmur	Johor Timur East Johore	Jumlah Kecil Sub- Total	Sarawak	Sabah	W.P. Labuan Labuan Federal Territory	Jumlah Kecil Sub- Total	Jumlah Besar Grand Total
Pukat Tunda <i>Trawl Nets</i>	796	1,939	362	3,742	1,497	0	0	823	604	1,410	1,464	1,300	13,937	2,537	4,403	20	6,960	20,897
Pukat Tarik/Seine Nets:																		
Pukat Jerut Ikan <i>Purse Seine-Fish</i>	2,553	299	447	638	220	0	0	0	1,147	3,451	1,709	769	11,233	256	1,476	70	1,802	13,035
Pukat Jerut Bilis <i>Purse Seine-Anchovy</i>	0	1,681	0	275	0	0	0	0	40	395	259	0	2,650	0	36	0	36	2,686
Lain-Lain <i>Other Seines</i>	1	57	567	1,313	34	4	14	18	110	74	0	4	2,196	0	1,203	0	1,203	3,399
Pukat Hanyut <i>Gill/Drift Nets</i>	776	2,834	2,724	3,416	3,403	374	1,279	3,069	1,416	1,410	556	1,420	22,677	3,180	4,263	120	7,563	30,240
Pukat Tangguk <i>Lift Nets</i>	3	55	0	0	4	0	0	2	107	169	108	9	457	0	765	0	765	1,222
Perangkap/Traps:																		
Belat-Belat <i>Stationary</i>	0	1	1	0	3	0	4	55	0	0	0	17	81	47	182	22	251	332
Bubu <i>Portable</i>	0	4	25	174	2	35	0	116	51	539	383	54	1,383	15	208	15	238	1,621
Pancing <i>Hooks & Lines</i>	28	37	81	307	152	19	142	78	616	2,515	576	252	4,803	160	2,657	173	2,990	7,793
Pukat Bakul <i>Bag Nets</i>	0	33	105	158	369	0	0	114	0	0	0	15	794	473	0	0	473	1,267
Pukat Surung <i>Push/Scoop Nets</i>	0	0	5	0	0	0	0	18	0	0	0	0	23	182	0	34	216	239
Pukat Rentang <i>Barrier Nets</i>	0	31	0	5	49	0	10	51	0	0	0	3	149	104	364	0	468	617
Memungut Siput <i>Shellfish Collection</i>	0	0	0	187	10	2	0	37	0	0	0	0	236	0	0	0	0	236
Pembawa Ikan <i>Fish Carriers</i>	0	52	0	92	204	0	0	0	0	106	32	2	488	0	0	0	0	488
Rampaian <i>Miscellaneous</i>	0	2	3	161	29	2	1	0	0	0	4	0	202	12	576	0	588	790
Jumlah/Total	4,157	7,025	4,320	10,468	5,976	436	1,450	4,381	4,091	10,069	5,091	3,845	61,309	6,966	16,133	454	23,553	84,862

JADUAL (TABLE) 1.3

**BILANGAN NELAYAN YANG BEKERJA DIATAS VESEL YANG DILESENKAN
MENGIKUT DAERAH-DAERAH PERIKANAN, 1991
NUMBER OF FISHERMEN WORKING IN LICENSED FISHING VESSELS
BY FISHERIES DISTRICTS, 1991**

Daerah-Daerah Perikanan <i>Fisheries Districts</i>	Nelayan-Nelayan/Fishermen				
	Bumiputera <i>Bumiputeras</i>	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
SEMENANJUNG MALAYSIA					
<i>PENINSULAR MALAYSIA</i>					
1) Kuala Perlis	2,491	237	0	1,429	4,157
2) Langkawi	1,094	12	0	897	2,003
3) Kedah Utara	2,194	646	0	11	2,851
4) Kedah Selatan	2,064	104	0	3	2,171
5) Timur Laut/P.Pinang	312	423	15	1	751
6) Barat Daya/P.Pinang	432	840	5	0	1,277
7) Seberang Prai Utara	634	195	6	0	835
8) Seberang Prai Tengah	157	70	0	0	227
9) Seberang Prai Selatan	302	902	26	0	1,230
10) Krian	461	2,139	5	0	2,605
11) Larut & Matang	306	2,112	4	0	2,422
12) Manjong	933	2,185	257	0	3,375
13) Hilir Perak	208	1,850	8	0	2,066
14) Selangor Utara	274	1,822	5	0	2,101
15) Selangor Tengah	224	926	8	0	1,158
16) Pelabuhan Klang I	0	1,161	2	0	1,163
17) Pelabuhan Klang II	220	632	8	0	860
18) Selangor Selatan	263	374	57	0	694
19) Port Dickson	149	244	35	8	436
20) Melaka	1,069	297	1	83	1,450
21) Muar	575	378	1	0	954
22) Batu Pahat	352	544	0	0	896
23) Pontian	565	921	1	2	1,489
24) Johor Bahru	825	214	3	0	1,042
25) Pengerang (Kota Tinggi)	415	348	1	0	764
26) Sedeli	665	373	0	10	1,048
27) Mersing	1,224	786	0	23	2,033
28) Kuantan	2,219	264	0	668	3,151
29) Pekan	1,065	87	0	0	1,152
30) Kuala Rompin	560	228	0	0	788
31) Kemaman	1,606	27	0	19	1,652
32) Dungun	1,252	3	0	6	1,261
33) Marang	968	0	0	0	968
34) Kuala Terengganu Utara	1,137	1	0	0	1,138
35) Kuala Terengganu Selatan	1,864	20	0	157	2,041
36) Besut	2,328	0	0	112	2,440
37) Setiu	557	12	0	0	569
38) Kota Bharu	1,490	2	0	163	1,655
39) Bachok & Pasir Putih	1,151	0	0	67	1,218
40) Tumpat	1,189	6	0	23	1,218
Jumlah Kecil <i>Sub-Total</i>	35,794	21,385	448	3,682	61,309

Samb.(Cont'd) Jadual (Table) 1.3

Daerah-Daerah Perikanan Fisheries Districts	Nelayan-Nelayan/Fishermen				
	Bumiputera Bumiputeras	Cina Chinese	India Indians	Lain-Lain Others	Jumlah Total
SARAWAK					
1) B. Kuching	1,160	359	0	9	1,528
2) Santubong	233	35	0	0	268
3) Pendam (Sadong Jaya)	238	13	0	1	252
4) Sematan	89	13	0	0	102
5) Batang Lupar	323	26	0	0	349
6) Saribas/Kalaka	169	3	0	0	172
7) Sibu/Igan	454	288	0	1	743
8) Sarikei/Bitangor	207	102	0	0	309
9) Mukah/Oya	833	12	0	0	845
10) Belawai	354	16	0	0	370
11) Matu Daro	404	33	0	0	437
12) Bintulu	497	70	0	0	567
13) Miri	589	83	0	1	673
14) Limbang	54	0	0	0	54
15) Lawas	297	0	0	0	297
Jumlah Kecil/Sub-Total	5,901	1,053	0	12	6,966
SABAH					
1) Tawau	714	149	0	0	863
2) Semporna	2,726	40	0	1,500	4,266
3) Kunak	254	35	0	0	289
4) Lahad Datu	276	40	0	243	559
5) Sandakan	684	1,000	0	1,222	2,906
6) Baluran	761	100	0	46	907
7) Kudat	562	200	0	228	990
8) Kota Marudu	762	25	0	40	827
9) Kota Belut	1,027	0	0	2	1,029
10) Tuaran	458	50	0	0	508
11) Kota Kinablu	924	250	0	204	1,378
12) Papar	380	30	0	31	441
13) Beaufort	420	100	0	0	520
14) Kuala Penyu	268	50	0	63	381
15) Sipitang	264	0	0	5	269
Jumlah Kecil/Sub-Total	10,480	2,069	0	3,584	16,133
W.P. LABUAN/LABUAN F.T.					
1) Kg. Bebuloh	62	11	0	0	73
2) Kg. Ranca-Ranca	31	0	0	7	38
3) Kg. Lubok Temiang	19	0	0	0	19
4) Kg. Batu Manikar	7	0	0	0	7
5) Kg. Tg. Aru	7	0	0	0	7
6) Kg. Miri/Lada/Pagar	15	0	0	0	15
7) Kg. Patau-Patau	46	0	0	29	75
8) Lain-Lain Kampong	39	22	0	159	220
Jumlah Kecil/Sub-Total	226	33	0	195	454
Jumlah Besar/Grand Total	52,401	24,540	448	7,473	84,862

MALAYSIA
BILANGAN VESEL-VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KELAS MUATAN, 1991
NUMBER OF LICENSED FISHING VESSELS BY STATE AND TONNAGE CLASS, 1991

Jenis <i>Type</i> Negeri <i>State</i>	Jumlah <i>Total</i>	Vesel Tidak Berjentera <i>Non- Powered</i>	Vesel Berjentera Sangkut <i>Outboard- Powered</i>	Vesel Berjentera Dalam/Inboard-Powered								
				Jumlah Kecil <i>Sub-Total</i>	0-4.9 GRT	5-9.9 GRT	10-14.9 GRT	15-19.9 GRT	20-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Ke atas (<i>& Above</i>)
Pantai Barat/West Coast:												
Perlis	712	0	134	578	136	105	47	63	40	106	50	31
Kedah	2,171	8	863	1,300	442	265	58	65	65	206	128	71
Pulau Pinang/Penang	2,026	42	1,136	848	234	459	3	5	3	104	37	3
Perak	4,840	153	874	3,813	856	1,285	544	520	132	128	276	72
Selangor	2,976	132	527	2,317	125	1,427	246	179	49	179	104	8
Negeri Sembilan	212	18	143	51	6	42	3	0	0	0	0	0
Melaka/Malacca	832	73	536	223	14	209	0	0	0	0	0	0
Johor Barat/West Johore	2,890	200	1,625	1,065	176	582	76	179	42	10	0	0
<i>Jumlah/Total</i>	16,659	626	5,838	10,195	1,989	4,374	977	1,011	331	733	595	185
Pantai Timur/East Coast:												
Kelantan	1,159	5	233	921	378	136	177	105	24	47	25	29
Terengganu	2,381	24	65	2,292	383	717	511	366	95	94	62	64
Pahang	1,113	19	130	964	89	349	182	41	20	79	84	120
Johor Timur/East Johore	1,497	44	494	959	115	299	128	35	13	130	172	67
<i>Jumlah/Total</i>	6,150	92	922	5,136	965	1,501	998	547	152	350	343	280
Malaysia:												
Semenanjung Malaysia/ Peninsular Malaysia	22,809	718	6,760	15,331	2,954	5,875	1,975	1,558	483	1,083	938	465
Sarawak	2,754	23	608	2,123	593	535	385	133	114	104	45	214
Sabah	7,204	1,159	3,659	2,386	494	792	452	229	172	214	26	7
W. Persekutuan Labuan/ Labuan, F.Territory	134	1	122	11	0	1	1	0	1	1	4	3
<i>Jumlah/Total</i>	32,901	1,901	11,149	19,851	4,041	7,203	2,813	1,920	770	1,402	1,013	689

Nota/Note: GRT - Gross Relative Tonnage

JADUAL (TABLE) 2.2

MALAYSIA
BILANGAN VESEL-VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KUASA KUDA, 1991
NUMBER OF LICENSED FISHING VESSELS BY STATE AND HORSEPOWER, 1991

Negeri/ State Kuasa Kuda/ Horsepower Of Engine	Perlis	Kedah	P.Pinang Penang	Perak	Selangor D.E.	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Jumlah Kecil Sub-Total	Kelantan	Terengganu	Pahang	Johor Timur East Johore	Jumlah Kecil Sub-Total	Sarawak	Sabah	W.P. Labuan	Jumlah Kecil Sub-Total	Jumlah Besar Grand-Total
Enjin Dalam/ Inboard-Powered																			
Kurang dari 5 k.k. (Under 5 h.p.)	1	33	4	20	4	0	1	10	73	56	78	6	1	141	61	100	0	161	375
5 - 9 k.k. (h.p.)	31	140	24	81	17	0	25	73	391	285	179	22	14	500	484	150	0	634	1,525
10 - 19 "	105	291	118	293	258	16	125	198	1,404	106	487	150	191	934	401	150	1	552	2,890
20 - 39 "	118	233	159	494	1,058	29	72	343	2,506	306	1,041	449	294	2,090	570	350	0	920	5,516
40 - 59 "	57	57	239	1,925	42	2	0	54	2,376	26	163	16	24	229	145	600	0	745	3,350
60 - 99 "	18	27	153	273	65	4	0	110	650	16	115	21	36	188	156	250	2	408	1,246
100 - 149 "	34	65	9	89	311	0	0	94	602	34	47	20	28	129	62	250	0	312	1,043
150 - 249 "	157	257	118	312	269	0	0	144	1,257	47	90	67	145	349	30	450	3	483	2,089
250 k.k. ke atas (250 h.p. & above)	57	197	24	326	293	0	0	39	936	45	92	213	226	576	214	86	5	305	1,817
Jumlah Kecil Sub-Total	578	1,300	848	3,813	2,317	51	223	1,065	10,195	921	2,292	964	959	5,136	2,123	2,386	11	4,520	19,851
Enjin Sangkut/ Outboard-Powered																			
Kurang dari 5 k.k. (Under 5 h.p.)	19	166	363	440	84	42	100	502	1,716	159	21	59	114	353	67	235	1	303	2,372
5 - 9 k.k. (h.p.)	114	628	332	254	270	68	293	675	2,634	71	21	62	219	373	87	404	15	506	3,513
10 - 19 "	0	59	233	101	94	23	115	277	902	1	16	8	85	110	39	1,552	22	1,613	2,625
20 - 39 "	1	9	202	79	74	10	27	141	543	2	6	1	64	73	185	1,310	35	1,530	2,146
40 - 59 "	0	1	6	0	5	0	1	30	43	0	1	0	12	13	190	141	32	363	419
60 - 99 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	17	17	65	65
100 - 149 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
150 - 249 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
250 k.k. ke atas (250 h.p. & above)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah Kecil Sub-Total	134	863	1,136	874	527	143	536	1,625	5,838	233	65	130	494	922	608	3,659	122	4,389	11,149
Jumlah Besar Grand Total	712	2,163	1,984	4,687	2,844	194	759	2,690	16,033	1,154	2,357	1,094	1,453	6,058	2,731	6,045	133	8,909	31,000

MALAYSIA
BILANGAN VESEL-VESEL IKAN YANG BERLESEN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN KELAS MUATAN, 1991
NUMBER OF LICENSED FISHING VESSELS BY GEAR GROUP, TYPE AND TONNAGE CLASS, 1991

JADUAL (TABLE) 2.3

Jenis Dan Kelas Muatan/ Type And Tonnage Class	Jumlah Besar	Tiada Berjentera	Berjentera Sangkut	Jumlah Kecil	SEM. MALAYSIA (PEN. MALAYSIA):Vesel Berjentera Dalam (Inboard-powered)								Bilangan Vesel/No. of Vessels		
					0 - 4.99 GRT	5 - 9.99 GRT	10 - 14.99 GRT	15 - 19.99 GRT	20 - 24.99 GRT	25 - 39.9 GRT	40 - 69.9 GRT	70 GRT & ke atas (& Above)	SARAWAK	SABAH	W.P. LABUAN
Kumpulan Perkakas/ Gear Group	Grand Total	Non- Powered	Out-Board Powered	Sub- Total											
Pukat Tunda/Trawl Nets	6,721	0	1	4,282	30	232	771	1,062	360	906	644	277	603	1,834	1
Pukat Tarik/Seine Nets:															
Pukat Jerut Ikan Purse Seine-Fish	789	0	0	635	0	6	26	43	39	132	268	121	22	128	4
Pukat Jerut Bilis Purse Seine-Anchovy	158	0	0	154	0	11	34	24	7	5	19	54	0	4	0
Lain-Lain/Other Seines	1,059	29	209	699	168	515	9	4	3	0	0	0	0	122	0
Pukat Hanyut Gill/Drift Nets	17,368	435	5,680	6,765	2,011	3,935	615	162	20	18	1	3	1,663	2,775	50
Pukat Tangguk/Lift Nets	437	1	28	104	16	44	37	6	0	0	1	0	0	304	0
Perangkap/Traps:															
Belat-Belat (Stationary)	232	4	33	9	2	6	1	0	0	0	0	0	18	158	10
Bubu (Portable)	611	9	90	382	26	154	117	52	25	7	1	0	1	124	5
Pancing/Hooks & Lines	3,549	53	385	1,686	390	711	345	204	25	9	0	2	49	1,324	52
Pukat Bakul/Bag Nets	748	7	90	360	178	180	0	1	1	0	0	0	291	0	0
Pukat Surung Push/Scoop Nets	61	3	22	2	2	0	0	0	0	0	0	0	21	1	12
Pukat Rentang Barrier Nets	185	12	49	19	1	15	3	0	0	0	0	0	85	20	0
Memungut Siput Shellfish Collection	206	19	37	136	111	25	0	0	0	0	0	0	0	14	0
Pembawa Ikan Fish Carriers	209	101	20	88	14	37	17	0	3	5	4	8	0	0	0
Rampaian/Miscellaneous	568	45	116	10	5	4	0	0	0	1	0	0	1	396	
Jumlah/Total	32,901	718	6,760	15,331	2,954	5,875	1,975	1,558	483	1,083	938	465	2,754	7,204	134

Nota/Note: GRT - Gross Relative Tonnage

JADUAL (TABLE) 2.4

MALAYSIA
BILANGAN VESEL-VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT
DAERAH-DAERAH PERIKANAN, 1991
NUMBER OF LICENSED FISHING VESSELS BY FISHERIES DISTRICTS, 1991

Daerah-Daerah Perikanan <i>Fisheries Districts</i>	Vesel-Vesel (Fishing Vessels)			
	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non-Powered</i>	Jumlah Total
SEMENANJUNG MALAYSIA <i>PENINSULAR MALAYSIA</i>				
1) Kuala Perlis	578	134	0	712
2) Langkawi	244	270	2	516
3) Kedah Utara	789	170	1	960
4) Kedah Selatan	267	423	5	695
5) Timur Laut/P.Pinang	95	255	5	355
6) Barat Daya/P.Pinang	207	473	9	689
7) Seberang Prai Utara	233	122	19	374
8) Seberang Prai Tengah	24	136	4	164
9) Seberang Prai Selatan	289	150	5	444
10) Krian	1,088	226	40	1,354
11) Larut & Matang	1,130	161	32	1,323
12) Manjong	891	356	54	1,301
13) Hilir Perak	704	131	27	862
14) Selangor Utara	713	158	11	882
15) Selangor Tengah	568	57	26	651
16) Pelabuhan Klang I	573	3	2	578
17) Pelabuhan Klang II	226	187	81	494
18) Selangor Selatan	237	122	12	371
19) Port Dickson	51	143	18	212
20) Melaka	223	536	73	832
21) Muar	230	296	65	591
22) Batu Pahat	315	155	25	495
23) Pontian	502	346	28	876
24) Johor Bahru	18	828	82	928
25) Pengerang (Kota Tinggi)	125	470	40	635
26) Sedeli	297	21	3	321
27) Mersing	537	3	1	541
28) Kuantan	432	63	12	507
29) Pekan	350	48	7	405
30) Kuala Rompin	182	19	0	201
31) Kemaman	475	5	10	490
32) Dungun	365	1	3	369
33) Marang	248	3	4	255
34) Kuala Terengganu Utara	299	52	5	356
35) Kuala Terengganu Selatan	400	4	1	405
36) Besut	363	0	0	363
37) Setiu	142	0	1	143
38) Kota Bharu	223	138	4	365
39) Bachok & Pasir Putih	337	29	1	367
40) Tumpat	361	66	0	427
Jumlah Kecil <i>Sub-Total</i>	15,331	6,760	718	22,809

Samb. (Cont'd) Jadual (Table) 2.4

Daerah-Daerah Perikanan <i>Fisheries Districts</i>	Vesel-Vesel (Fishing Vessels)			
	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non-Powered</i>	Jumlah <i>Total</i>
SARAWAK				
1) B. Kuching	345	4	7	356
2) Santubong	127	11	2	140
3) Pendam (Sadong Jaya)	203	3	1	207
4) Sematan	27	21	0	48
5) Batang Lupar	202	0	0	202
6) Saribas/Kalaka	145	1	1	147
7) Sibuligan	180	16	2	198
8) Sarikei/Bitangor	111	28	0	139
9) Mukah/Oya	125	127	3	255
10) Belawai	173	9	0	182
11) Matu Daro	238	39	5	282
12) Bintulu	101	32	0	133
13) Miri	146	95	2	243
14) Limbang	0	54	0	54
15) Lawas	0	168	0	168
Jumlah Kecil/Sub-Total	2,123	608	23	2,754
SABAH				
1) Tawau	148	722	0	870
2) Semporna	74	685	0	759
3) Kunak	23	81	0	104
4) Lahad Datu	114	62	71	247
5) Sandakan	879	182	164	1,225
6) Baluran	484	108	211	803
7) Kudat	310	133	25	468
8) Kota Marudu	36	246	178	460
9) Kota Belut	80	157	338	575
10) Tuaran	0	148	0	148
11) Kota Kinablu	170	296	63	529
12) Papar	1	205	11	217
13) Beaufort	51	357	23	431
14) Kuala Penyu	7	111	57	175
15) Sipitang	9	166	18	193
Jumlah Kecil/Sub-Total	2,386	3,659	1,159	7,204
WIL. PER. LABUAN/LABUAN F.T.				
1) Kg. Bebuloh	0	31	1	32
2) Kg. Ranca-Ranca	1	16	0	17
3) Kg. Lubok Temiang	0	8	0	8
4) Kg. Batu Manikar	0	3	0	3
5) Kg. Tg. Aru	0	5	0	5
6) Kg. Miri/Lada/Pagar	0	7	0	7
7) Kg. Patau-Patau	0	30	0	30
8) Lain-Lain Kampong	10	22	0	32
Jumlah Kecil/Sub-Total	11	122	1	134
Jumlah Besar/Grand Total	19,851	11,149	1,901	32,901

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN VESEL-VESEL YANG DILESENKAN DAN BILANGAN NELAYAN-NELAYAN
YANG BEKERJA DI VESEL-VESEL BERLESEN, 1971 - 1991
NUMBER OF FISHING VESSELS LICENSED AND NUMBER OF FISHERMEN
OPERATING LICENSED VESSELS, 1971 - 1991

JADUAL (TABLE) 2.5

Bilangan Vesel-Vesel Yang Dilesenkan Number Of Fishing Vessels Licensed					Bilangan Nelayan Number of Fishermen				
Tahun Year	Berjentera Dalam Inboard	Berjentera Sangkut Outboard	Tidak Berjentera Non- Powered	Jumlah Total	Melayu Malays	Cina Chinese	India Indians	Lain-Lain Others	Jumlah Total
1971	14,284	2,036	4,821	21,141	36,295	31,096	256	314	67,961
1972	14,945	2,009	4,665	21,619	38,589	29,892	310	461	69,252
1973	15,596	2,004	4,567	22,167	38,048	29,192	342	726	68,308
1974	16,205	2,100	4,072	22,377	38,973	30,619	424	789	70,805
1975	16,081	2,138	3,928	22,147	40,335	31,992	452	525	73,304
1976	16,142	2,342	4,151	22,635	41,997	30,479	450	610	73,536
1977	16,977	2,775	4,329	24,081	44,373	30,131	541	600	75,645
1978	17,775	3,684	6,038	27,497	51,265	30,980	637	812	83,694
1979	17,741	5,156	6,256	29,153	50,816	30,323	528	1,259	82,926
1980	18,433	6,585	5,502	30,520	55,008	31,802	410	1,752	88,972
1981	18,585	7,368	4,437	30,390	54,538	30,084	609	1,694	86,925
1982	17,875	7,246	2,620	27,741	49,232	28,306	739	1,960	80,237
1983	16,285	7,202	2,208	25,695	47,322	25,238	534	2,496	75,590
1984	16,533	7,458	1,682	25,673	48,616	25,077	564	2,111	76,368
1985	15,324	6,751	1,296	23,371	42,620	23,532	471	2,907	69,530
1986	14,626	6,864	986	22,476	34,269	21,357	448	3,378	59,452
1987	14,822	6,430	886	22,138	33,815	21,634	394	4,726	60,569
1988	14,760	5,832	749	21,341	32,386	21,367	409	4,121	58,283
1989	15,507	7,146	806	23,459	35,907	22,443	454	3,776	62,580
1990	15,326	7,029	779	23,134	34,719	21,364	471	3,247	59,801
1991	15,331	6,760	718	22,809	35,609	21,385	448	3,867	61,309

MALAYSIA
BILANGAN PERKAKAS-PERKAKAS YANG DILESENKAN MENGIKUT NEGERI, 1991
NUMBER OF LICENSED FISHING GEARS BY STATE, 1991

JADUAL (TABLE) 3.1

Kumpulan Perkakas <i>Gear Group</i>	Pukat Tunda	Pukat-Pukat Tarik Seine Nets			Pukat Hanyut	Pukat Tangguk	Perangkap-Perangkap Traps		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampaian	Jumlah
Negeri State	Trawl Nets	Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain-Lain Other Seines	Drift/Gill Nets	Lift Nets	Belat-Belat Stationary	Bubu Portable	Hooks & Lines	Bag Nets	Barrier Nets	Push/ Scoop Nets	Shellfish Collection	Miscellaneous	Total
Pantai Barat/West Coast:															
Perlis	213	110	0	1	376	2	0	0	10	0	0	0	0	0	712
Kedah	522	17	56	26	1,452	23	1	1	22	31	16	0	0	4	2,171
Pulau Pinang/Penang	106	41	0	141	1,597	0	1	10	61	62	0	5	0	2	2,026
Perak	1,526	67	16	658	1,917	0	0	58	179	109	0	4	148	158	4,840
Selangor	554	22	0	15	1,961	1	2	1	97	180	18	0	7	118	2,976
Negeri Sembilan	0	0	0	2	189	0	0	9	10	0	0	0	1	1	212
Melaka/Malacca	0	0	0	9	740	0	2	0	76	0	4	0	0	1	832
Johor Barat/West Johore	303	0	0	15	2,233	2	31	91	62	60	39	18	36	0	2,890
Jumlah Kecil/Sub-Total	3,224	257	72	867	10,465	28	37	170	517	442	77	27	192	284	16,659
Pantai Timur/East Coast:															
Kelantan	89	54	9	49	691	32	0	9	226	0	0	0	0		1,159
Terengganu	305	199	56	18	496	41	0	150	1,053	0	0	0	0	63	2,381
Pahang	331	63	17	1	306	28	0	126	209	0	0	0	0	32	1,113
Johor Timur/East Johore	334	62	0	2	922	4	9	26	119	15	3	0	0	1	1,497
Jumlah Kecil/Sub-Total	1,059	378	82	70	2,415	105	9	311	1,607	15	3	0	0	96	6,150
Sarawak	603	22	0	2	1,812	0	32	3	177	324	112	26	0	4	3,117
Sabah	1,058	100	0	0	1,666	46	275	65	723	0	0	0	0	236	4,169
W.P. Labuan	1	4	0	0	55	0	10	8	53	0	0	12	0	0	143
Jumlah Kecil/Sub-Total	1,662	126	0	2	3,533	46	317	76	953	324	112	38	0	240	7,429
Jumlah Besar/Grand Total	5,945	761	154	939	16,413	179	363	557	3,077	781	192	65	192	620	30,238

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA
ANGGARAN PERKAKAS-PERKAKAS MENANGKAP IKAN YANG DIUSAHAKAN MENGIKUT NEGERI, 1991
ESTIMATED NUMBER OF FISHING GEARS IN OPERATION BY STATE, 1991

JADUAL (TABLE) 3.2

Kumpulan Perkakas Gear Group	Pukat Tunda Trawl Nets	Pukat-Pukat Tarik Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push\ Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscellaneous	Jumlah Total
Negeri State		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain-Lain Other Seines			Belat-Belat Stationary	Bubu Portable							
Pantai Barat/West Coast:															
Perlis	6,026	1,446	0	200	4,760	0	0	0	72	0	36	274	15	305	13,134
Kedah	8,447	182	717	684	17,310	0	50	58	960	1,112	302	178	0	1,048	31,048
Pulau Pinang/Penang	1,131	310	0	1,624	19,288	0	0	74	1,176	1,096	1,145	189	70	207	26,310
Perak	22,550	593	160	5,736	20,422	0	0	672	2,556	1,668	814	1,606	552	1,772	59,101
Selangor Darul Ehsan	13,094	175	0	254	18,680	0	157	488	2,383	2,508	339	631	349	608	39,666
Negeri Sembilan	0	0	0	42	2,088	0	0	91	147	0	0	0	0	62	2,430
Melaka/Malacca	0	0	0	60	7,799	0	24	29	1,284	0	33	3,126	72	72	12,499
Johor Barat/West Johore	3945	0	0	55	18794	0	238	72	89	443	43	42	0	956	24,677
Jumlah Kecil/Sub-Total	55,193	2,706	877	8,655	109,141	0	469	1,484	8,667	6,827	2,712	6,046	1,058	5,030	208,865
Pantai Timur/East Coast:															
Kelantan	1,538	506	102	10	2,695	378	927	141	1,947	0	0	0	0	660	8,904
Terengganu	4,960	2,243	354	0	2,381	435	0	2,451	10,193	0	0	0	0	0	23,017
Pahang Darul Makmur	6,241	527	124	0	2,394	104	0	467	1,401	0	0	0	0	0	11,258
Johor Timur/East Johore	5,832	538	0	14	3,348	0	898	119	1,769	958	0	0	0	20	13,496
Jumlah Kecil/Sub-Total	18,571	3,814	580	24	10,818	917	1,825	3,178	15,310	958	0	0	0	680	56,675
Jumlah Besar/Grand-Total	73,764	6,520	1,457	8,679	119,959	917	2,294	4,662	23,977	7,785	2,712	6,046	1,058	5,710	265,540

OPERASI MENANGKAP IKAN PUKAT TUNDA



FISHING OPERATION OF A TRAWL NET

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS, 1991
LANDINGS OF MARINE FISH BY STATE AND GEAR GROUP 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.1

Kumpulan Perkakas <i>Gear Group</i> Negeri <i>State</i>	Pukat Tunda Trawl Nets	Pukat-Pukat Tarik Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscellaneous	Jumlah Tan M. Total Tonnes
		Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain-Lain Other Seines			Belat-Belat Stationary	Bubu Portable							
Pantai Barat (West Coast):															
Perlis	12,063	13,937	0	87	6,785	0	0	0	20	0	43	27	150	15	33,127
Kedah	36,626	3,760	9,040	282	4,204	0	69	74	81	576	116	35	0	25	54,888
Pulau Pinang/Penang	9,206	6,429	0	3,098	7,567	0	0	3	163	1,574	287	55	14	20	28,416
Perak	130,975	9,360	5,739	13,117	15,861	0	0	1,005	647	2,379	277	1,448	270	156	181,234
Selangor Darul Ehsan	61,247	1,888	0	80	4,839	0	670	58	1,502	11,819	714	346	722	60	83,945
Negeri Sembilan	0	0	0	6	306	0	0	32	30	0	0	0	0	4	378
Melaka/Malacca	0	0	0	6	1,534	0	12	12	190	0	4	285	5	5	2,053
Johor Barat/West Johore	9,159	0	0	18	4,563	0	144	83	58	3,778	15	24	0	17	17,859
Jumlah / Total:	259,276	35,374	14,779	16,694	45,659	0	895	1,267	2,691	20,126	1,456	2,220	1,161	302	401,900
Pantai Timur/East Coast:															
Kelantan	7,806	10,667	421	17	1,783	1,696	71	83	3,135	0	0	0	0	27	25,706
Terengganu	28,576	54,802	3,657	0	1,917	2,799	0	2,959	6,747	0	0	0	0	0	101,457
Pahang Darul Makmur	90,993	7,864	1,791	0	1,146	2,661	0	969	3,436	0	0	0	0	0	108,860
Johor Timur/East Johore	57,177	7,346	0	209	1,144	0	261	63	2,638	2,821	0	0	0	5	71,664
Jumlah / Total:	184,552	80,679	5,869	226	5,990	7,156	332	4,074	15,956	2,821	0	0	0	32	307,687
Malaysia:															
Semenanjung Malaysia/ Peninsular Malaysia	443,828	116,053	20,648	16,920	51,649	7,156	1,227	5,341	18,647	22,947	1,456	2,220	1,161	334	709,587
Sarawak	53,045	3,885	0	0	15,996	0	769	18	1,969	4,984	1,487	4,280	157	17	86,607
Sabah	30,958	13,501	862	5,715	24,513	12,538	1,373	738	14,740	0	0	0	1,922	1,605	108,464
W.Persekutuan Labuan/ Labuan, Federal Territory	1,713	207	8	0	2,033	439	174	137	2,538	1	0	3	0	22	7,275
Jumlah Tan M./Total Tonnes	529,544	133,646	21,518	22,635	94,191	20,133	3,543	6,234	37,894	27,932	2,943	6,503	3,240	1,978	911,933

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 1991
LANDINGS OF MARINE FISH BY MONTH AND STATE, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.2

Bulan/Month Negeri/State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Tan M. Total Tonnes
Pantai Barat/West Coast:													
Perlis	3,333	3,359	3,603	3,169	3,275	2,668	1,643	2,015	2,602	2,470	2,455	2,535	33,127
Kedah	6,795	6,745	4,019	4,105	3,588	4,649	5,265	4,056	4,071	4,269	3,552	3,774	54,888
Pulau Pinang/Penang	2,707	1,676	3,550	2,656	3,698	2,323	2,584	2,187	1,572	1,723	1,867	1,873	28,416
Perak	15,836	12,119	15,236	15,558	17,013	17,040	17,321	15,128	14,990	13,982	13,102	13,909	181,234
Selangor Darul Ehsan	7,371	6,391	7,336	7,967	6,980	6,230	7,437	6,818	6,812	5,814	6,737	8,052	83,945
Negeri Sembilan	39	30	33	32	32	31	31	28	27	33	33	29	378
Melaka	189	164	168	184	164	174	212	158	169	169	158	144	2,053
Johor Barat/West Johore	1,245	1,053	1,444	1,306	1,640	1,613	1,794	2,176	1,505	1,398	1,461	1,224	17,859
Jumlah Kecil/Sub Total	37,515	31,537	35,389	34,977	36,390	34,728	36,287	32,566	31,748	29,858	29,365	31,540	401,900
Pantai Timur/East Coast:													
Kelantan	1,760	1,803	2,241	1,503	2,339	1,793	1,810	2,963	2,864	4,485	1,096	1,049	25,706
Terengganu	7,117	7,581	7,916	6,646	6,448	9,665	7,324	11,156	15,227	12,089	6,797	3,491	101,457
Pahang Darul Makmur	5,700	4,597	6,575	6,207	9,147	10,723	12,252	10,355	13,956	13,738	10,702	4,908	108,860
Johor Timur/East Johore	4,464	3,387	6,156	5,451	6,353	5,909	6,489	6,664	8,146	8,885	6,358	3,402	71,664
Jumlah Kecil/Sub Total	19,041	17,368	22,888	19,807	24,287	28,090	27,875	31,138	40,193	39,197	24,953	12,850	307,687
Malaysia:													
Semenanjung Malaysia/ Peninsular Malaysia	56,556	48,905	58,277	54,784	60,677	62,818	64,162	63,704	71,941	69,055	54,318	44,390	709,587
Sarawak	5,573	9,124	9,500	8,017	7,733	10,665	7,630	6,622	6,244	7,183	4,384	3,932	86,607
Sabah	7,269	7,005	8,355	8,655	9,776	9,161	9,007	9,046	8,880	9,790	10,714	10,806	108,464
W.Persekutuan Labuan/ Labuan Federal Territory	202	267	277	450	550	545	511	509	408	578	1,406	1,572	7,275
Jumlah Besar/Grand Total Tan M/Tonnes	69,600	65,301	76,409	71,906	78,736	83,189	81,310	79,881	87,473	86,606	70,822	60,700	911,933

SEMANANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1991
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.3

Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Tan M.
Kumpulan Perkakas Gear Group	January	February	March	April	May	June	July	August	September	October	November	December	Total Tonnes
Pukat-Pukat Tunda <i>Trawl Nets</i>	37,311	30,136	36,314	35,176	38,160	40,097	43,021	38,001	42,254	37,913	36,469	28,976	443,828
P.P. Tarik/Seine Nets:													
Pukat Jerut Ikan <i>P.Seine-Fish</i>	7,363	8,477	9,854	7,943	9,721	11,626	8,001	12,635	14,167	15,632	6,722	3,912	116,053
Pukat Jerut Bilis <i>P.Seine-Anchovy</i>	1,265	1,066	1,163	1,068	1,680	1,445	2,297	2,726	2,484	2,368	1,301	1,785	20,648
Lain-Lain/ <i>Other Seines</i>	1,823	1,028	1,792	1,168	1,706	1,464	1,705	1,158	1,045	1,371	1,375	1,285	16,920
Pukat-Pukat Hanyut <i>Drift/Gill Nets</i>	4,417	4,247	4,424	4,331	4,729	4,185	4,108	3,753	4,486	4,567	4,119	4,283	51,649
Pukat-Pukat Tangguk <i>Lift Nets</i>	218	219	392	381	458	267	651	659	1,562	2,193	78	78	7,156
Perangkap-Perangkap/Traps:													
Belat-Belat <i>(Stationary)</i>	136	136	122	137	120	66	98	101	81	70	52	108	1,227
Bubu <i>(Portable)</i>	422	381	290	429	423	491	500	482	807	650	245	221	5,341
Pancing/ Hooks & Lines	1,141	1,194	1,654	1,379	1,870	1,392	1,369	1,517	1,909	1,965	1,763	1,494	18,647
Pukat-Pukat Bakul <i>Bag Nets</i>	2,005	1,702	1,778	2,503	1,452	1,297	1,855	2,234	2,732	1,940	1,731	1,718	22,947
Pukat-Pukat Rentang <i>Barrier Nets</i>	89	68	96	105	130	144	125	124	115	115	152	193	1,456
Pukat-Pukat Surung <i>Push/Scoop Nets</i>	218	119	242	77	136	156	278	188	181	178	214	233	2,220
Memungut Siput <i>Shellfish Collection</i>	117	111	114	67	64	152	127	103	91	62	75	78	1,161
Rampaian/Miscellaneous <i>Miscellaneous</i>	31	21	42	20	28	36	27	23	27	31	22	26	334
Jumlah Tan M./ Total Tonnes	56,556	48,905	58,277	54,784	60,677	62,818	64,162	63,704	71,941	69,055	54,318	44,390	709,587

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY STATE AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.4

ISSCAAP GROUP NO.	Spesies Species Nama Tempatan Local Name	Pantai Barat West Coast								Jumlah Total	Pantai Timur East Coast				Jumlah Total	Sarawak	Sabah	W. P. Labuan	Jumlah Total	Jumlah Besar Grand- Total
		Perlis	Kedah	P.Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore		Kelantan	Terengganu	Pahang	Johor Timur East Johore						
24	Kebasi/Selangat	571	514	535	1,134	123	7	26	261	3,171	6	0	20	43	69	163	108	8	279	3,519
	Puput/B. Mata/Tirok	5	295	65	2,059	2,077	9	20	272	4,802	0	0	225	7	232	1,975	645	9	2,629	7,663
	Terubak	1	0	0	0	0	0	0	0	1	0	0	122	0	122	380	0	0	380	503
25	Siakap	0	1	1	17	2	8	1	0	30	1	2	3	0	6	0	1,175	8	1,183	1,219
31	Lidah	501	709	32	111	260	0	0	60	1,673	18	41	57	36	152	103	8	11	122	1,947
	Sebelah	1	48	51	143	44	0	0	0	287	40	138	123	156	457	200	425	53	678	1,422
33	Bayan	0	0	0	0	0	0	0	0	0	0	106	48	4	158	0	342	0	342	500
	Biji Nangka	3	25	45	2,000	18	0	0	57	2,148	452	1,168	332	138	2,090	0	9	11	20	4,258
	Dau Baharu	1	0	0	21	108	7	18	3	158	4	33	11	25	73	12	102	43	157	388
	Delah/Pinang-Pinang	0	0	0	6	0	0	0	0	6	1	61	54	8	124	30	1,000	158	1,188	1,318
	Duri/Pulutan/Utik	108	161	677	1,509	529	25	71	324	3,404	147	1,084	1,000	856	3,087	2,103	2,014	122	4,239	10,730
	Dengkis/Debam	0	4	0	196	3	0	0	0	203	46	363	216	59	684	0	460	130	590	1,477
	Gelama/Tengkerong/Selampai	714	1,090	894	2,446	2,384	7	33	504	8,072	158	422	324	774	1,678	2,871	723	47	3,641	13,391
	Gerut-Gerut	4	46	18	162	216	7	18	18	489	59	32	12	8	111	120	279	27	426	1,026
	Jenahak	3	24	13	212	119	24	29	73	497	1	13	18	2	34	231	1,746	80	2,057	2,588
	Kaci	0	3	0	37	2	3	8	3	56	33	202	141	169	545	11	25	61	97	698
	Kerapu	17	528	54	1,175	349	4	13	14	2,154	69	1,084	418	265	1,836	223	3,072	415	3,710	7,700
	Kerisi	474	2,082	173	7,213	255	0	0	0	10,197	1,142	5,521	3,801	2,965	13,429	497	2,981	94	3,572	27,198
	Kerisi Bali	15	21	0	410	0	0	0	0	446	14	199	1,099	50	1,362	40	267	503	810	2,618
	Kitek	7	6	0	81	0	0	0	2	96	114	272	58	41	485	7	885	25	917	1,498
	Malong	154	99	73	133	621	13	45	330	1,468	8	92	112	25	237	922	186	1	1,109	2,814
	Merah	9	37	6	991	52	4	12	14	1,125	103	1,130	446	476	2,155	1,922	3,099	1,041	6,062	9,342
	Mengkerang/Conor/Ubi-Ubi	143	198	25	3,461	176	0	0	140	4,143	118	464	233	110	925	0	403	3	406	5,474
	Remang/Kunyit-Kunyit/Tanda	0	28	1	407	10	0	0	0	446	94	325	750	238	1,407	0	2	109	111	1,964
	Semilang	18	51	99	468	56	4	2	9	707	1	4	3	3	11	29	589	2	620	1,338
	Shrumbu/Lemah	0	0	0	251	0	0	0	0	251	0	7	0	0	7	463	2	4	469	727
	Puntong Damar/Bulus	148	79	14	454	60	8	18	0	781	10	216	396	108	730	0	18	0	18	1,529
	Pasir-Pasir/Timun-Timun	0	0	0	2	14	0	0	0	16	57	256	219	65	597	0	6	11	17	630
34	Alu-Alu/Kacang-Kacang	299	122	46	654	72	3	6	47	1,249	46	238	387	184	855	45	884	143	1,072	3,176
	Aruan Tasik	1	17	1	68	27	0	0	5	119	37	138	317	35	527	0	0	0	0	646
	Bawal	133	334	640	1,181	1,307	17	21	438	4,071	53	491	75	54	673	2,297	1,520	106	3,923	8,667
	Belanak/Kedera	146	78	321	918	171	4	9	16	1,663	36	0	2	3	41	58	1,178	29	1,265	2,969
	Cermin/Sagai/Cupak	36	26	3	18	42	15	109	28	277	83	480	701	404	1,668	4	4	191	199	2,144

Samb. Jadual 4.4...
(Cont'd Table. 4.4...)

	Cincaru	571	317	564	806	1,856	13	143	374	4,644	249	531	404	1,364	2,548	1,007	1,533	194	2,734	9,926
	Demudok/Rambai	6	99	56	957	434	0	0	0	1,552	77	105	185	155	522	117	2,605	94	2,816	4,890
	Kurau/Senangin/Senohong	29	48	66	441	262	7	37	64	954	95	13	24	7	139	365	1,578	8	1,951	3,044
	Pelata/Selar	583	187	349	1,092	581	10	31	35	2,868	880	6,055	1,023	1,897	9,855	858	1,403	71	2,332	15,055
	Selar Kuning/Lolong	627	253	106	1,597	163	0	0	3	2,749	2,914	8,074	6,228	3,085	20,301	512	402	104	1,018	24,068
	Selayang/Curut	2,877	265	1,247	1,973	279	0	0	0	6,641	5,911	30,377	1,242	2,092	39,622	119	6,700	116	6,935	53,198
	Pisang-Pisang	406	71	23	3	4	0	0	0	507	584	102	12	3	701	0	160	17	177	1,385
	Talang	144	100	18	139	53	8	39	27	528	3	20	39	51	113	238	721	52	1,011	1,652
35	Bilis/Bunga Air	0	9,040	0	5,806	0	0	0	45	14,891	420	2,884	1,474	78	4,856	170	2,267	16	2,453	22,200
	Parang-Parang	415	141	134	379	758	34	276	417	2,554	209	157	558	311	1,235	478	102	46	626	4,415
	Tamban	1,658	708	1,423	1,186	690	0	0	68	5,733	1,301	3,470	2,266	1,526	8,563	1,956	3,869	118	5,943	20,239
	Bulan-Bulan	0	1	0	0	1	0	0	0	2	0	4	12	0	16	0	37	0	37	55
36	Aya/Kayu/Tangkal	1,661	574	742	1,671	403	0	0	0	5,051	1,600	4,209	2,842	1,239	9,890	1,992	10,822	302	13,116	28,057
	Layaran/Mersuji	0	0	0	0	1	0	0	0	1	3	67	11	0	81	0	290	8	298	380
37	Kembong/Temenong/Pelaling	9,622	7,538	4,285	11,465	2,468	1	0	1	35,380	930	8,374	2,805	2,289	14,398	3,003	9,770	452	13,225	63,003
	Tenggin	430	393	91	1,310	1,516	44	332	492	4,608	659	875	1,480	592	3,606	2,351	9,172	562	12,085	20,299
	Timah/Layar/Selayar	141	234	283	1,127	29	0	0	147	1,961	170	144	178	107	599	1,084	353	0	1,437	3,997
38	Pari	180	430	195	1,890	1,220	16	173	497	4,601	189	843	1,713	1,120	3,865	2,053	886	80	3,019	11,485
	Yu	71	47	49	418	160	3	17	11	776	48	272	572	400	1,292	2,106	1,318	185	3,609	5,677
39	Ikan Baja	4,272	19,144	8,328	73,157	33,673	0	0	3,220	141,794	3,244	10,824	56,210	35,614	105,892	13,685	5,438	98	19,221	266,907
	Ikan Campur	1,305	1,995	438	6,961	1,214	28	99	1,701	13,741	1,300	3,004	6,024	1,394	11,722	13,641	5,597	185	19,423	44,886
	Jebong	2	56	41	1,760	56	0	0	1	1,916	13	219	280	205	717	0	246	32	278	2,911
42	Ketam	426	208	691	802	935	11	23	135	3,231	112	159	272	445	988	239	2,007	52	2,298	6,517
45	Udang Karang/Lobak	0	1	5	14	11	0	0	0	31	10	170	312	167	659	6	66	14	86	776
	Udang Putih	287	215	596	1,337	500	16	72	297	3,320	159	32	43	121	355	2,230	5,257	138	7,625	11,300
	Udang Minyak	0	0	372	10,587	6,450	0	0	981	18,390	62	154	131	509	856	423	14	0	437	19,683
	Udang Merah Ros	0	0	2	0	1,388	0	0	0	1,390	0	35	38	0	73	48	1,362	4	1,414	2,877
	Udang Kulit Keras	0	0	217	850	1,682	0	0	228	2,977	141	126	596	60	923	1,549	7	9	1,565	5,465
	Udang Harimau	30	18	12	38	14	0	0	0	112	6	28	198	82	314	3	1,202	19	1,224	1,650
	Lain-Lain Jenis Udang	1,432	3,377	2,516	13,894	3,653	18	121	2,657	27,668	297	489	535	812	2,133	10,263	4,599	739	15,601	45,402
	Udang Baring	27	35	318	1,928	8,241	0	226	1,962	12,737	17	0	0	1,689	1,706	391	455	0	846	15,289
56	Siput/Kepah/Kupang/Tiram	150	0	14	270	722	0	5	0	1,161	2	0	0	0	2	157	2,039	0	2,196	3,359
57	Sotong Kereta	83	105	8	6	0	0	0	0	202	0	0	52	40	92	0	182	2	184	478
	Sotong Katak	216	479	293	2,143	1,433	0	0	68	4,632	62	723	3,053	2,820	6,658	273	985	89	1,347	12,637
	Sotong Biasa	1,964	2,183	1,117	7,289	2,414	0	0	293	15,260	1,088	4,336	6,325	4,079	15,828	1,622	863	24	2,509	33,597
76	Ubur-Ubur	0	0	30	0	1,584	0	0	1,517	3,131	0	0	0	0	0	8,962	0	0	8,962	12,093
	Jumlah Tan M/Total Tonnes	33,127	54,888	28,416	181,234	83,945	378	2,053	17,859	401,900	25,706	101,457	108,860	71,664	307,687	86,607	108,464	7,275	202,346	911,933

Nota: Lain-Lain spesies bagi Sarawak telah dimasukkan ke dalam Ikan Campur
Note: Ikan Campur includes other species of fish for Sarawak

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah (Tan) <i>Total</i> (Tonnes)
	Nama Tempatan <i>Local Name</i>													
24	Kebasi/Selangat	333	231	235	208	280	202	302	451	321	246	241	190	3,240
	Puput/B. Mata/Tirok	468	337	412	392	266	434	453	463	416	370	361	662	5,034
	Terubok	0	1	0	0	0	0	0	0	122	0	0	0	123
25	Siakap	4	3	4	3	3	2	3	3	4	2	2	3	36
31	Lidah	166	128	134	124	114	153	187	151	162	186	163	157	1,825
	Sebelah	88	49	60	49	73	73	71	74	64	54	52	37	744
33	Bayan	2	2	2	3	15	3	5	91	22	6	6	1	158
	Biji Nangka	357	253	245	316	300	345	380	322	483	464	469	304	4,238
	Daun Baharu	67	17	20	23	16	15	14	12	16	9	12	10	231
	Delah/Pinang-Pinang	2	15	18	14	11	4	8	19	14	17	7	1	130
	Duri/Pulutan/Utik	585	435	669	474	557	565	669	466	603	541	488	439	6,491
	Dengkis/Debam	48	52	56	79	128	72	84	127	73	80	59	29	887
	Gelama/Tengkerong/Selampai	833	732	801	702	804	862	881	863	967	693	701	911	9,750
	Gerut-Gerut	85	33	38	46	51	46	85	38	57	38	36	47	600
	Jenahak	49	60	36	41	45	36	52	63	38	34	40	37	531
	Kaci	50	28	53	56	56	49	44	44	72	68	50	31	601
	Kerapu	242	249	536	307	300	277	318	657	329	300	251	224	3,990
	Kerisi	1,809	1,533	1,855	1,834	2,073	1,961	2,018	1,747	2,787	2,642	2,029	1,338	23,626
	Kerisi Bali	125	71	120	142	240	155	102	141	279	257	89	87	1,808
	Kikek	62	19	33	32	90	81	51	82	76	16	17	22	581
	Malong	161	86	118	191	196	221	120	154	121	136	116	85	1,705
	Merah	367	235	289	272	311	246	282	264	338	280	255	141	3,280
	Mengkerong/Conor/Ubi-Ubi	337	277	361	398	473	417	425	462	573	469	410	466	5,068
	Remong/Kunyit-Kunyit/Tanda	149	73	97	126	147	164	152	155	247	204	265	74	1,853
	Semilang	48	55	91	59	44	64	65	57	62	58	38	77	718
	Shrumbu/Lemah	0	0	1	0	23	24	25	28	41	27	56	33	258
	Puntong Damar/Bulus	136	163	136	107	152	126	114	115	144	136	114	68	1,511
	Pasir-Pasir/Timun-Timun	27	44	31	43	34	44	51	63	105	61	69	41	613
34	Alu-Alu/Kacang-Kacang	165	158	163	141	173	165	192	189	201	224	192	141	2,104
	Aruan Tasik	27	29	29	54	54	47	54	59	123	93	40	37	646
	Bawal	600	638	458	513	357	318	284	452	356	284	282	202	4,744
	Belanak/Kedera	157	142	128	80	93	92	106	121	146	215	227	197	1,704
	Cemin/Sagai/Cupak	81	80	154	145	170	157	181	166	287	245	171	108	1,945

Samb. Dari Jadual 4.5...
(Cont'd From Table 4.5....)

	Cincaru	474	379	400	554	913	634	550	581	701	733	477	796	7,192
	Demudok/Rambai	226	162	162	305	225	170	202	145	149	147	110	71	2,074
	Kurau/Senangin/Senohong	93	65	74	68	89	88	88	97	98	99	109	125	1,093
	Pelata/Selar	834	798	1,000	1,120	1,102	808	1,043	879	1,102	1,836	1,423	778	12,723
	Selar Kuning/Lolong	1,262	1,496	2,100	1,533	1,827	1,309	2,279	2,317	2,944	3,434	1,578	971	23,050
	Selayang/Curut	2,752	3,050	2,523	2,228	2,387	6,274	2,475	5,599	7,907	7,196	2,462	1,410	46,263
	Pisang-Pisang	22	26	20	36	26	47	38	130	179	644	28	12	1,208
	Talang	47	46	65	61	56	41	51	36	52	78	54	54	641
35	Bitis/Bunga Air	1,274	1,082	1,094	983	1,408	1,408	2,192	2,657	2,411	2,323	1,300	1,615	19,747
	Parang-Parang	268	246	312	357	308	336	400	332	384	313	289	244	3,789
	Tamban	845	1,163	1,969	1,510	1,504	1,550	1,093	1,222	860	1,504	778	298	14,296
	Bulan-Bulan	1	0	3	1	3	1	3	1	1	2	1	1	18
36	Aya/Kayu/Tongkol	605	1,164	1,525	1,220	2,115	1,523	1,817	1,357	1,277	1,219	652	467	14,941
	Layaran/Mersuji	15	8	2	0	7	3	5	1	38	1	1	1	82
37	Kembong/Temenong/Pelaling	5,062	4,613	4,321	3,895	4,451	3,378	3,346	4,208	4,850	5,261	3,394	2,999	49,778
	Tenggiri	725	452	664	611	722	582	706	612	753	753	856	778	8,214
	Timah/Layor/Selcyor	239	188	134	112	155	189	144	101	197	367	263	471	2,560
38	Pari	692	845	584	676	665	616	795	636	816	773	651	717	8,466
	Yu	161	109	188	179	188	178	213	202	209	197	125	119	2,068
39	Ikan Baja	19,849	15,721	20,220	19,628	22,534	23,312	24,851	21,682	23,089	21,237	20,299	15,264	247,686
	Ikan Campur	1,745	1,405	2,259	2,264	2,109	2,513	2,411	2,237	2,517	2,377	2,283	1,342	25,462
	Jebong	227	179	225	247	265	194	215	246	274	246	194	121	2,633
42	Ketam	464	321	362	290	379	325	371	368	370	331	311	327	4,219
45	Udang Karang/Lobok	40	22	37	29	39	68	81	75	94	69	82	54	690
	Udang Putih	413	341	360	251	298	295	287	288	310	283	272	277	3,675
	Udang Minyak	1,647	1,464	1,554	1,443	1,407	1,537	1,928	1,543	1,606	1,583	1,601	1,933	19,246
	Udang Merah Ros	175	130	131	117	111	146	79	77	185	22	97	193	1,463
	Udang Kulit Keras	460	428	283	276	268	227	210	268	509	243	392	336	3,900
	Udang Harimau	83	47	46	19	21	25	26	22	29	34	43	31	426
	Lain-Lain Jenis Udang	3,245	2,494	2,983	1,727	2,402	2,657	2,584	2,116	2,025	2,432	2,647	2,489	29,801
	Udang Baring	918	1,216	1,071	1,278	828	670	1,199	1,251	2,129	1,295	1,192	1,396	14,443
56	Siput/Kepah/Kupang/Tiram	119	111	114	67	64	152	129	102	91	62	75	78	1,164
57	Sotong Kereta	29	25	20	12	17	17	21	24	34	43	29	23	294
	Sotong Katak	971	683	1,020	874	950	1,046	1,163	935	982	999	901	766	11,290
	Sotong Biasa	2,338	2,198	2,867	2,978	3,013	2,889	3,162	2,961	2,934	2,224	1,891	1,633	31,088
76	Ubur-Ubur	606	0	202	861	172	190	227	297	186	240	150	0	3,131
	Jumlah Tan M/Total Tonnes	56,556	48,905	58,277	54,784	60,677	62,818	64,162	63,704	71,941	69,055	54,318	44,390	709,587

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.5.1.

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah (Tan) <i>Total</i> (Tonnes)
24	Kebasi/Selangat	317	211	233	202	278	200	293	451	320	245	237	184	3,171
	Puput/B. Mata/Tirok	461	334	410	381	247	417	452	463	416	369	324	528	4,802
25	Terubok	0	0	0	0	0	0	0	0	1	0	0	0	1
	Siakap	4	1	4	1	3	2	3	2	3	2	2	3	30
31	Lidah	143	115	119	111	99	143	175	136	152	176	154	150	1,673
33	Sebelah	46	20	16	18	24	26	31	22	26	22	19	17	287
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	229	117	130	186	193	202	126	164	158	247	215	181	2,148
	Daun Baharu	62	13	13	17	10	9	7	8	7	5	3	4	158
	Delah/Pinang-Pinang	0	0	0	1	0	1	0	0	0	0	4	0	6
	Duri/Pulutan/Utik	357	302	404	237	270	293	265	273	223	250	231	299	3,404
	Dengkis/Debam	19	12	15	24	24	20	20	20	19	15	7	8	203
	Gelama/Tengkerong/Selampai	687	621	632	620	614	761	766	767	778	491	533	802	8,072
	Gerut-Gerut	46	29	26	41	43	36	74	35	50	34	30	45	489
	Jenahak	46	58	33	40	39	34	51	51	38	34	39	34	497
	Kaci	6	4	4	6	5	6	3	4	10	1	2	5	56
	Kerapu	174	161	423	175	153	152	179	160	139	154	145	139	2,154
	Kerisi	1,121	917	849	898	1,016	962	788	776	787	775	705	603	10,197
	Kerisi Bali	27	20	33	32	60	53	53	42	36	33	36	21	446
	Kikek	22	0	4	1	6	31	8	7	14	1	2	0	96
	Malong	146	72	100	171	162	173	107	143	102	119	93	80	1,468
	Merah	144	73	83	104	102	103	97	97	84	86	96	56	1,125
	Mengkerong/Conor/Ubi-Ubi	286	246	296	346	431	355	338	344	400	371	324	406	4,143
	Remong/Kunyit-Kunyit/Tanda	78	31	35	32	46	45	35	44	32	29	20	19	446
	Semilang	48	55	89	59	43	62	65	56	61	58	37	74	707
	Shrumbu/Lemah	0	0	0	0	23	24	23	28	41	26	53	33	251
	Puntong Damar/Bulus	86	80	67	62	57	79	54	54	87	69	47	39	781
34	Pasir-Pasir/Timun-Timun	2	1	1	2	1	1	2	2	1	1	1	1	16
	Alu-Alu/Kacang-Kacang	110	110	100	95	94	90	119	113	98	128	99	93	1,249
	Aruan Tasik	12	11	8	10	7	8	9	9	10	8	13	14	119
	Bawal	533	391	429	480	325	301	267	332	306	250	270	187	4,071
	Belanak/Kedera	156	139	126	76	86	88	102	117	139	215	225	194	1,663
	Cermin/Sagai/Cupak	11	19	27	36	37	21	26	23	26	24	14	13	277

Samb. Dari Jadual 4.5.1...
(Cont'd From Table 4.5.1...)

	Cincaru	383	319	228	378	729	444	333	397	341	305	183	604	4,644
	Demudok/Rambai	212	142	129	228	156	118	157	105	96	87	68	54	1,552
	Kurau/Senangin/Senohong	80	65	68	44	70	72	76	85	89	88	93	124	954
	Pelata/Selar	231	184	240	330	216	269	339	234	367	170	149	139	2,868
	Selar Kuning/Lolong	309	259	276	234	271	271	236	287	152	207	109	138	2,749
	Selayang/Curut	682	501	619	1047	1,020	879	529	550	258	212	155	189	6,641
	Pisang-Pisang	6	19	14	13	15	38	26	120	161	55	28	12	507
	Talang	44	43	52	44	36	35	47	32	45	45	53	52	528
35	Bilis/Bunga Air	1,266	1,076	621	879	1,012	1,102	1,540	1,244	1,724	1,538	1,277	1,612	14,891
	Parang-Parang	212	184	194	240	202	219	242	196	218	186	241	220	2,554
	Tamban	597	419	835	561	370	383	438	748	367	469	314	232	5,733
	Bulan-Bulan	0	0	0	0	0	0	0	0	1	0	0	1	2
36	Aya/Kayu/Tongkol	198	233	436	378	1,189	677	657	532	355	112	183	101	5,051
	Layaran/Mersuji	0	0	0	0	0	1	0	0	0	0	0	0	1
37	Kembong/Temenong/Pelaling	3,676	3,652	3,406	3143	3,758	2,959	2,666	2,036	2,442	2,566	2,459	2,617	35,380
	Tenggiri	375	274	350	386	399	305	396	352	331	323	504	613	4,608
	Timah/Layor/Selayor	173	139	84	59	88	118	105	68	145	307	225	450	1,961
38	Pari	430	370	317	378	311	335	491	312	387	398	330	542	4,601
	Yu	90	50	75	62	64	76	65	81	67	61	40	45	776
39	Ikan Baja	12,881	11,066	13,052	13,175	13,693	12,497	13,183	11,312	10,564	9,985	10,202	10,184	141,794
	Ikan Campur	1,151	853	1,155	1,140	1,120	1,508	1,294	1,348	1,192	1,087	984	909	13,741
	Jebong	182	105	160	176	213	136	176	198	187	146	138	99	1,916
42	Ketam	349	254	291	233	297	242	272	250	274	230	260	279	3,231
45	Udang Karang/Lobok	2	1	2	2	1	3	10	3	1	3	1	2	31
	Udang Putih	287	253	331	244	290	285	275	283	299	268	250	255	3,320
	Udang Minyak	1,401	1,291	1,398	1,419	1,395	1,522	1,914	1,517	1,581	1,554	1,557	1,841	18,390
	Udang Merah Ros	143	130	95	117	109	146	79	74	185	22	97	193	1,390
	Udang Kulit Keras	198	193	173	228	236	217	196	261	488	226	317	244	2,977
	Udang Harimau	11	8	17	8	5	10	8	7	8	11	9	10	112
	Lain-Lain Jenis Udang	2,685	2,035	2,807	1,665	2,346	2,562	2,507	2,052	1,939	2,307	2,460	2,303	27,668
	Udang Baring	897	1,168	1,071	1,278	828	669	1,132	1,109	1,023	974	1,192	1,396	12,737
56	Siput/Kepah/Kupang/Tiram	117	111	114	67	64	152	127	102	91	62	75	79	1,161
57	Sotong Kereta	26	23	19	11	15	15	15	13	12	14	23	16	202
	Sotong Katak	536	360	462	417	376	430	426	342	324	264	279	416	4,632
	Sotong Biasa	1,700	1,594	1,387	1,068	826	1,145	1,565	1,276	1,284	1,098	980	1,337	15,260
76	Ubur-Ubur	606	0	202	861	172	190	227	297	186	240	150	0	3,131
	Jumlah Tan M/Total Tonnes	37,515	31,537	35,389	34,977	36,390	34,728	36,287	32,566	31,748	29,858	29,365	31,540	401,900

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.2

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah (Tan) <i>Total</i> (Tonnes)
24	Kebasi/Selangat	16	20	2	6	2	2	9	0	1	1	4	6	69
	Puput/B. Mata/Tirok	7	3	2	11	19	17	1	0	0	1	37	134	232
25	Terubok	0	1	0	0	0	0	0	0	121	0	0	0	122
	Siakap	0	2	0	2	0	0	0	1	1	0	0	0	6
31	Lidah	23	13	15	13	15	10	12	15	10	10	9	7	152
33	Sebelah	42	29	44	31	49	47	40	52	38	32	33	20	457
	Bayan	2	2	2	3	15	3	5	91	22	6	6	1	158
	Biji Nangka	128	136	115	130	107	143	254	158	325	217	254	123	2,090
	Dau Baharu	5	4	7	6	6	6	7	4	9	4	9	6	73
	Delah/Pinang-Pinang	2	15	18	13	11	3	8	19	14	17	3	1	124
	Duri/Pulutan/Utik	228	133	265	237	287	272	404	193	380	291	257	140	3,087
	Dengkis/Debam	29	40	41	55	104	52	64	107	54	65	52	21	684
	Gelama/Tengkerong/Selampai	146	111	169	82	190	101	115	96	189	202	168	109	1,678
	Gerut-Gerut	39	4	12	5	8	10	11	3	7	4	6	2	111
	Jenahak	3	2	3	1	6	2	1	12	0	0	1	3	34
	Kaci	44	24	49	50	51	43	41	40	62	67	48	26	545
	Kerapu	68	88	113	132	147	125	139	497	190	146	106	85	1,836
	Kerisi	688	616	1,006	936	1,057	999	1,230	971	2,000	1,867	1,324	735	13,429
	Kerisi Bali	98	51	87	110	180	102	49	99	243	224	53	66	1,362
	Kikek	40	19	29	31	84	50	43	75	62	15	15	22	485
	Malong	15	14	18	20	34	48	13	11	19	17	23	5	237
	Merah	223	162	206	168	209	143	185	167	254	194	159	85	2,155
	Mengkerong/Conor/Ubi-Ubi	51	31	65	52	42	62	87	118	173	98	86	60	925
	Remong/Kunyit-Kunyit/Tanda	71	42	62	94	101	119	117	111	215	175	245	55	1,407
	Semilang	0	0	2	0	1	2	0	1	1	0	1	3	11
	Shrumbu/Lemah	0	0	1	0	0	0	2	0	0	1	3	0	7
	Puntong Damar/Bulus	50	83	69	45	95	47	60	61	57	67	67	29	730
34	Pasir-Pasir/Timun-Timun	25	43	30	41	33	43	49	61	104	60	68	40	597
	Alu-Alu/Kacang-Kacang	55	48	63	46	79	75	73	76	103	96	93	48	855
	Aruan Tasik	15	18	21	44	47	39	45	50	113	85	27	23	527
	Bawal	67	247	29	33	32	17	17	120	50	34	12	15	673
	Belanak/Kedera	1	3	2	4	7	4	4	4	7	0	2	3	41
	Cemin/Sagai/Cupak	70	61	127	109	133	136	155	143	261	221	157	95	1,668

Samb. Dari Jadual 4.5.2..
(Cont'd From Table 4.5.2....)

	Cincaru	91	60	172	176	184	190	217	184	360	428	294	192	2,548
	Demudok/Rambai	14	20	33	77	69	52	45	40	53	60	42	17	522
	Kurau/Senangin/Senohong	13	0	6	24	19	16	12	12	9	11	16	1	139
	Pelata/Selar	603	614	760	790	886	539	704	645	735	1666	1274	639	9,855
	Selar Kuning/Lolong	953	1,237	1,824	1299	1,556	1,038	2,043	2,030	2,792	3227	1,469	833	20,301
	Selayang/Curut	2,070	2,549	1,904	1181	1,367	5,395	1,946	5,049	7,649	6,984	2,307	1,220	39,621
	Pisang-Pisang	16	7	6	23	11	9	12	10	18	589	0	0	701
	Talang	3	3	13	17	20	6	4	4	7	33	1	2	113
35	Bilis/Bunga Air	8	6	473	104	396	306	652	1,413	687	785	23	3	4,856
	Parang-Parang	56	62	118	117	106	117	158	136	166	127	48	24	1,235
	Tamban	248	744	1,134	949	1,134	1,167	655	474	493	1,035	464	66	8,563
	Bulan-Bulan	1	0	3	1	3	1	3	1	1	2	1	0	17
36	Aya/Kayu/Tongkol	407	931	1,089	842	926	847	1,160	825	921	1,107	469	366	9,890
	Layaran/Mersuji	15	8	2	0	7	2	5	1	38	1	1	1	81
37	Kembong/Temenong/Pelaling	1,386	961	915	752	693	419	680	2,172	2,408	2,695	935	382	14,398
	Tenggiri	350	178	314	225	323	277	310	260	422	430	352	165	3,606
	Timah/Layar/Selayor	66	49	50	53	67	71	39	33	52	60	38	21	599
38	Pari	262	475	267	298	354	281	304	324	429	375	321	175	3,865
	Yu	71	59	113	117	124	102	148	121	142	136	85	74	1,292
39	Ikan Baja	6,970	4,655	7,168	6,453	8,841	10,814	11,668	10,370	12,525	11,250	10,097	5,080	105,891
	Ikan Campur	594	552	1,104	1,124	989	1,005	1,117	889	1,325	1,290	1,299	433	11,721
	Jebong	45	74	65	71	52	58	39	48	87	100	56	22	717
42	Ketam	115	67	71	57	82	83	99	118	96	101	51	48	988
45	Udang Karang/Lobok	38	21	35	27	38	65	71	72	93	66	81	52	659
	Udang Putih	126	88	29	7	8	10	12	5	11	15	22	22	355
	Udang Minyak	246	173	156	24	12	15	14	26	25	29	44	92	856
	Udang Merah Ros	32	0	36	0	2	0	0	3	0	0	0	0	73
	Udang Kulit Keras	262	235	110	48	32	10	14	7	21	17	75	92	923
	Udang Harimau	72	39	29	11	16	15	18	15	21	23	34	21	314
	Lain-Lain Jenis Udang	560	459	176	62	56	95	77	64	86	125	187	186	2,133
	Udang Baring	21	48	0	0	0	1	67	142	1,106	321	0	0	1,706
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	2	0	0	0	0	0	2
57	Sotong Kereta	3	2	1	1	2	2	6	11	22	29	6	7	92
	Sotong Katak	435	323	558	457	574	616	737	593	658	735	622	350	6,658
	Sotong Biasa	637	604	1,479	1,910	2,187	1,744	1,597	1,685	1,650	1,128	911	296	15,828
76	Ubur-Ubur	1	0	1	0	0	0	0	0	0	0	0	0	2
	Jumlah Tan M/Total Tonnes	19,041	17,368	22,888	19,807	24,287	28,090	27,875	31,138	40,193	39,197	24,953	12,850	307,687

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.3

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah (Tan) <i>Total</i> (Tonnes)
24	Kebasi/Selangot	8	9	8	6	11	39	14	20	9	21	9	9	163
	Puput/B. Mata/Tirok	10	50	130	250	334	225	287	197	145	182	86	79	1,975
	Terubok	2	4	4	23	142	56	45	51	28	17	5	3	380
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	5	13	20	3	7	7	9	4	8	11	9	7	103
	Sebelah	26	1	3	93	22	19	6	4	7	7	8	4	200
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0	0	0	0	0	0	0	0
	Daun Baharu	1	1	1	0	2	2	2	2	0	1	0	0	12
	Delah/Pinang-Pinang	0	0	0	3	5	4	7	4	2	4	1	0	30
	Duri/Pulutan/Utik	22	41	152	216	205	234	277	255	232	247	110	112	2,103
	Gelama/Tengkerong/Selampai	83	95	267	333	330	266	357	223	318	322	131	146	2,871
	Gerut-Gerut	0	1	1	6	21	70	8	10	1	1	1	0	120
	Jenahak	5	13	16	10	18	16	35	33	41	17	18	9	231
	Kaci	0	0	1	1	0	5	1	0	2	0	0	1	11
	Kerapu	9	5	21	13	13	33	36	24	23	28	11	7	223
	Kerisi	16	8	20	39	23	49	62	105	63	58	24	30	497
	Kerisi Bali	0	0	0	1	0	0	0	0	0	21	8	10	40
	Kikek	0	0	0	1	2	1	1	0	1	0	0	1	7
	Lumi-Lumi	40	52	200	199	202	156	131	126	48	28	16	17	1,215
	Malong	16	73	173	94	125	64	69	44	42	41	63	118	922
	Merah	21	64	96	138	128	167	292	225	272	337	90	92	1,922
	Pelandok	0	0	0	0	0	0	0	0	0	0	0	1	1
	Semilang	1	2	2	3	2	3	3	2	2	3	4	2	29
	Shrumbu/Lemah	2	5	35	56	47	38	11	33	32	38	27	26	350
	Kapas	1	0	32	10	2	1	26	29	1	5	4	2	113
34	Alu-Alu/Kacang-Kacang	0	0	0	11	0	11	10	4	2	0	4	3	45
	Bawal	48	101	198	346	345	324	290	185	124	172	75	89	2,297
	Belanak/Kedera	3	4	3	3	8	0	6	7	6	8	7	3	58
	Cermin/Sagai/Cupak	0	0	1	0	0	0	0	2	0	0	1	0	4
	Gerongga	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cincaru	15	21	73	215	198	95	81	86	59	91	37	36	1,007
	Demudok/Rambai	6	6	10	10	8	11	14	8	4	14	10	16	117
	Kurau/Senangin/Senohong	3	17	28	57	63	34	36	57	32	22	8	8	365
	Pelata/Selar	6	4	9	46	29	41	97	62	228	134	106	96	858
	Selar Kuning/Lolong	18	15	22	110	82	105	86	60	6	5	1	2	512
	Selayang/Curut	0	0	22	0	0	19	77	0	1	0	0	0	119

Samb. Dari Jadual 4.5.3
(Cont'd From Table 4.5.3)

	Talang	8	3	22	33	19	14	29	30	27	18	19	16	238
	Todak/Benang	0	0	0	0	0	4	0	0	0	0	0	0	4
	Tamban	0	87	74	116	191	138	285	232	188	244	226	175	1,956
35	Bilis/Bunga Air	1	62	40	12	8	14	6	2	8	13	0	4	170
	Parang-Parang	12	23	53	84	42	41	42	46	35	47	28	25	478
	Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	113	252	267	220	251	252	117	210	101	107	62	40	1,992
37	Kembong/Temenong/Pelaling	23	81	117	413	144	174	454	314	342	314	342	285	3,003
	Tenggiri	28	84	205	244	388	148	252	341	232	198	139	92	2,351
	Timah/Layor/Selayor	14	17	69	109	148	98	126	110	87	150	82	74	1,084
38	Pari	54	57	169	215	241	249	279	193	218	159	116	103	2,053
	Yu	42	65	121	256	217	331	235	196	187	180	136	140	2,106
39	Ikan Baja	476	1,908	1,226	1,035	432	4,319	889	867	858	1,099	474	102	13,685
	Ikan Campur	238	221	602	737	1,300	879	1,072	698	838	753	382	378	8,098
42	Ketam	19	28	11	15	16	36	20	18	27	18	17	14	239
45	Udang Karang/Lobok	1	0	0	1	0	0	0	0	0	0	2	2	6
	Udang Harimau	0	0	0	0	3	0	0	0	0	0	0	0	3
	Udang Putih	281	232	211	255	271	317	149	142	120	72	107	73	2,230
	Udang Sua Lor	129	40	66	16	17	31	39	38	40	140	57	43	656
	Udang Merah Ros	0	26	0	0	0	18	0	1	0	0	3	0	48
	Udang Kulit Keras	167	150	163	159	102	130	89	168	94	87	83	157	1,549
	Udang Kuning	5	1	0	0	0	18	0	0	0	0	0	0	24
	Udang Cendana/Rotan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah/Payak	1,220	2,570	1,444	773	514	465	374	369	406	390	427	430	9,382
	Udang Pasir	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Minyak	4	51	14	73	113	47	16	34	19	34	15	3	423
	Udang Baring	4	88	106	87	10	10	29	6	4	10	20	17	391
	Lain-Lain Jenis Udang	6	2	7	11	7	4	3	1	1	11	79	69	201
56	Siput/Kepah/Kupang/Tiram	2	0	0	0	0	0	0	18	30	35	34	38	157
57	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	6	35	60	16	37	32	9	20	12	17	12	17	273
	Sotong Biasa	22	135	142	400	263	76	145	94	79	118	96	52	1,622
76	Ubur-Ubur	2,193	2,056	2,351	17	38	76	88	228	268	731	417	499	8,962
	Jamah	18	23	42	106	100	274	116	78	29	90	58	82	1,016
	Perencong	1	2	5	11	19	25	11	6	9	9	1	3	102
	Panjang	3	7	24	31	32	22	17	22	27	112	9	5	311
	Pelayak	2	5	13	18	17	46	19	14	16	30	12	12	204
	Impirang	22	40	114	142	191	104	156	154	91	74	13	7	1,108
	Bulu Ayam	42	96	69	41	65	88	76	61	56	47	26	27	694
	Kilat	36	46	117	57	88	54	84	26	21	25	12	16	582
	Bulu	13	22	12	6	4	4	14	5	3	5	2	3	93
	Empirit	1	4	16	12	71	32	14	18	32	11	2	0	213
	Jumlah Tan M/Total Tonnes	5,573	9,124	9,500	8,017	7,733	10,665	7,630	6,622	6,244	7,183	4,384	3,932	86,607

SABAH
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE)4.5.4.

ISSCAAP GROUP NO.	Bulan Month Spesies Ikan Species	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah (Tan) Total (Tonnes)
24	Kebasi	5	6	10	8	9	6	12	7	16	9	10	10	108
	Puput	0	1	0	0	1	0	1	1	0	1	2	1	6
	Beliak Mata	93	90	58	53	58	30	41	51	49	39	36	41	638
25	Siakap	90	77	127	105	110	115	90	96	102	80	107	76	1,175
31	Lidah	1	1	0	1	1	1	2	0	0	1	1	1	8
	Sebelah	27	26	22	35	21	42	31	42	32	41	60	45	425
33	Bayan	16	6	9	12	22	21	22	6	11	22	21	6	173
	Jarang Gigi	0	0	0	3	4	0	7	18	3	0	9	8	52
	Batu	2	2	7	15	8	12	18	14	9	24	15	44	170
	Daun Baharu	7	6	6	4	6	9	6	6	5	8	14	26	102
	Delah	0	19	16	7	3	22	38	280	59	183	310	62	1,000
	Dengkis	24	46	26	46	46	39	34	30	38	38	55	39	460
	Duri	117	96	96	145	114	118	114	169	266	204	212	226	1,876
	Gelama	57	104	54	58	62	49	60	61	54	46	38	29	671
	Gerut-Gerut	22	24	23	24	17	23	15	17	38	18	25	33	279
	Jahan	6	6	6	2	9	3	17	12	17	14	26	22	138
	Jebong	23	32	24	16	6	18	17	22	14	27	35	12	246
	Jenahak	87	81	94	133	186	170	142	122	161	189	230	152	1,746
	Kaci	3	3	2	1	2	1	2	2	1	1	2	6	25
	Kapas Laut	11	27	27	7	13	23	11	14	6	8	16	50	214
	Kerapu	181	153	175	255	276	247	320	286	330	306	344	198	3,072
	Kerisi	315	154	266	326	249	273	278	239	204	212	250	213	2,981
	Kerisi Bali	38	126	14	22	25	2	8	2	3	28	1	0	267
	Kikek	34	52	37	30	61	68	74	103	100	98	144	82	885
	Lumi-Lumi	2	8	27	11	12	50	48	26	20	35	36	47	323
	Malong	9	23	30	14	17	18	13	17	13	8	15	10	186
	Merah	196	200	207	383	254	274	330	245	335	252	224	200	3,099
	Mengkerong	47	83	35	52	22	32	29	16	12	16	25	34	403
	Puntung Damar	8	0	0	10	0	0	0	0	0	0	0	0	18
	Pasir-Pasir	0	0	0	0	0	0	0	0	0	1	3	2	6
	Biji Nangka	0	0	0	0	0	0	2	2	0	0	2	2	9
	Kunyit-Kunyit	0	0	0	0	0	0	0	0	0	0	0	2	2
	Semilang	31	23	50	43	59	43	24	58	62	74	69	52	589
	Shrumbu	0	0	0	0	0	0	0	0	0	0	2	1	2
	Tanda	10	13	13	30	28	38	14	22	13	14	13	14	221
	Aji-Aji	0	0	0	0	0	0	0	0	0	0	9	0	9
34	Alu-Alu	50	74	60	78	62	62	85	124	44	96	80	70	884
	Bawal	94	74	175	220	201	149	101	81	106	115	67	138	1,520

Samb. Dari Jadual 4.5.4.
(Cont'd From Table 4.5.4.)

79	Blanak	78	93	130	130	101	90	81	54	76	109	130	106	1,178
	Cermin	1	0	0	0	1	1	0	0	0	0	2	0	4
	Cincaru	98	60	141	63	218	162	130	46	109	106	344	55	1,533
	Demudok	136	161	180	238	212	207	196	224	359	263	218	210	2,605
	Gerong-Gerong	2	2	1	0	1	0	1	0	0	0	0	0	6
	Kurau	116	105	150	155	92	178	103	104	146	138	175	116	1,578
	Selar	29	29	22	46	117	94	138	123	150	74	330	251	1,403
	Selar Kuning	16	14	95	17	18	29	37	22	34	89	18	14	402
	Pisang-Pisang	0	0	8	54	18	14	6	20	8	6	2	24	160
	Selayang	506	514	651	674	538	409	611	571	487	438	490	810	6,700
	Ketang	3	1	2	2	2	3	2	2	2	4	2	2	27
	Talang	20	36	64	50	70	90	42	58	55	43	77	116	721
	Todak	4	1	10	14	30	30	26	26	6	10	10	8	174
	Tamban	190	210	413	582	497	151	294	188	338	366	292	347	3,869
	Bilis	306	396	246	212	234	250	174	23	26	149	127	123	2,267
	Parang-Parang	3	17	3	14	6	5	10	22	2	16	3	2	102
	Bulan-Bulan	4	2	2	1	2	4	2	2	2	5	6	5	37
	Aya/Kayu/Tongkol	551	505	915	732	854	833	973	948	1,119	1,082	847	1,462	10,822
	Layaran	3	15	15	49	10	22	8	16	6	30	85	31	290
	Tenggiri	261	322	578	558	1,101	934	845	1,031	787	962	719	1,073	9,172
	Kembong	636	523	745	515	1,278	1,097	1,022	794	665	693	991	812	9,770
	Timah	37	32	22	21	14	22	27	24	26	42	76	10	353
	Tulai	139	61	38	24	2	42	13	18	112	43	38	51	580
	Yu	115	104	103	77	96	141	142	80	125	82	124	129	1,318
	Pari	60	68	63	56	66	64	92	84	64	60	114	96	886
	Ikan Baja	466	277	252	466	358	473	326	530	407	615	598	670	5,438
	Ikan Campor	330	384	334	292	231	293	265	276	270	346	478	388	3,886
	Ketam	144	162	142	158	146	183	165	186	158	192	170	202	2,007
	Bubuk	65	84	0	0	0	0	0	0	0	66	22	98	335
	Udang Karang	2	2	5	6	4	7	6	3	4	7	12	8	66
	Udang Putih	502	415	367	330	417	450	378	469	331	496	540	561	5,257
	Udang Minyak	2	1	0	0	0	0	1	0	0	3	4	3	14
	Udang Merah Ros	184	64	163	128	157	57	51	126	79	78	150	124	1,362
	U.Kulit Keras	2	2	0	0	0	0	0	0	0	0	2	0	7
	Udang Harimau	89	75	100	98	114	96	95	98	89	121	120	106	1,202
	Lain-Lain Jenis Udang	340	370	362	334	398	368	379	375	365	433	426	450	4,599
	Udang Baring	14	11	9	11	9	6	12	8	6	13	12	10	120
	Lain-Lain Siput	50	70	104	112	224	215	222	151	230	236	226	199	2,039
	Sotong Biasa/Cumit	69	74	85	81	78	88	44	73	61	63	62	85	863
	Sotong Katak	81	98	126	163	73	68	54	53	40	71	97	61	985
	Sotong Kereta	2	8	6	23	24	18	20	22	12	14	14	20	182
	Trepang	2	3	2	4	3	5	2	3	4	2	3	5	38
	Berangkas	0	0	0	0	0	0	0	0	0	1	1	0	2
	Gandong-Gandong	5	0	4	14	2	5	6	3	0	17	12	0	69
	Tunai	0	0	0	0	0	0	0	0	0	0	38	11	49
	Jumlah Tan M./Total Tonnes	7,269	7,005	8,355	8,655	9,776	9,161	9,007	9,046	8,880	9,790	10,714	10,806	108,464

LABUAN
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.5.5

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah (Tan) <i>Total</i> (Tonnes)
24	Kebasi/Selangat	1	0	0	0	1	1	1	1	0	1	1	1	8
	Puput/B. Mata/Tirok	1	0	0	0	0	0	0	0	0	0	8	0	9
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	0	0	1	4	3	8
31	Lidah	0	0	0	1	1	1	2	1	0	1	3	1	11
	Sebelah	1	1	2	3	4	3	3	5	4	6	10	11	53
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0	2	3	0	0	3	3	11
	Daun Baharu	0	1	1	2	2	3	4	3	4	3	8	12	43
	Delah/Pinang-Pinang	0	4	3	5	5	7	5	4	3	3	108	11	158
	Duri/Pulutan/Utik	6	5	2	4	5	10	8	10	9	11	23	29	122
	Dengkis/Debam	8	7	5	13	12	12	8	6	14	11	11	23	130
	Gelama/Tengkerong/Selampai	1	0	0	3	3	3	3	3	2	5	10	14	47
	Gerut-Gerut	0	0	0	0	0	1	0	0	0	3	9	14	27
	Jenahak	0	4	5	4	4	9	7	5	4	8	11	19	80
	Kaci	1	1	1	3	0	3	3	5	3	5	16	20	61
	Kerapu	7	7	9	30	21	35	33	29	27	14	66	137	415
	Kerisi	2	5	4	6	10	8	13	6	3	7	15	15	94
	Kerisi Bali	8	5	4	33	36	44	48	40	17	30	84	154	503
	Kikek	0	0	0	1	0	0	0	0	0	6	9	9	25
	Malong	0	0	0	0	0	0	0	0	0	0	1	0	1
	Merah	12	6	10	59	71	91	89	84	48	61	223	287	1,041
	Mengkerong/Conor/Ubi-Ubi	0	1	1	1	0	0	0	0	0	0	0	0	3
	Remong/Kunyit-Kunyit/Tanda	7	5	5	10	11	9	9	9	6	6	12	20	109
	Semilang	0	0	0	0	0	2	0	0	0	0	0	0	2
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	2	2	4
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	1	0	0	0	0	0	0	0	3	4	3	11
34	Alu-Alu/Kacang-Kacang	9	4	6	9	31	16	11	6	6	11	25	9	143
	Arvan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	1	8	2	6	8	9	10	8	11	3	1	39	106
	Belanak/Kedera	0	0	2	2	1	3	2	4	2	3	5	5	29
	Cermin/Sagai/Cupak	5	8	8	14	30	32	20	11	13	8	17	25	191

Samb. Dari Jadual 4.5.5
(Cont'd From Table 4.5.5)

	Cincaru	2	12	3	0	1	3	4	7	16	31	67	48	194
	Demudok/Rambai	5	4	2	9	11	11	8	8	5	8	12	11	94
	Kurau/Senangin/Senohong	0	0	0	0	0	0	0	0	0	0	5	3	8
	Pelata/Selar	1	0	0	9	7	7	5	15	8	7	4	8	71
	Selar Kuning/Lolong	3	1	2	5	8	9	8	17	5	5	24	17	104
	Selayang/Curut	6	9	10	12	4	7	11	14	11	2	17	13	116
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	17	17
	Talang	0	1	1	1	0	0	0	5	6	11	13	14	52
35	Belis/Bunga Air	0	0	1	1	1	1	0	0	0	0	5	7	16
	Parang-Parang	2	2	4	7	3	2	3	6	5	2	6	4	46
	Tamban	1	3	3	0	8	10	10	6	13	16	37	11	118
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	24	33	10	11	18	6	5	30	27	18	62	58	302
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	8	8
37	Kembong/Temenong/Pelaling	9	30	9	12	50	48	19	20	19	46	93	97	452
	Tenggiri	16	17	59	53	38	27	17	30	55	49	102	99	562
	Timah/Layor/Selayor	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Pari	2	3	4	4	8	9	8	6	8	11	9	8	80
	Yu	5	7	11	5	39	9	7	7	11	22	33	29	185
39	Ikan Baja	3	0	0	6	1	7	3	5	1	6	14	52	98
	Ikan Campur	12	11	12	16	13	10	16	18	10	12	26	29	185
	Jebong	0	0	1	2	1	2	3	4	2	4	10	3	32
42	Ketam	1	1	4	10	8	3	4	3	2	4	6	6	52
45	Udang Karang/Lobok	0	0	4	0	0	6	0	0	0	1	3	0	14
	Udang Putih	0	0	11	9	11	15	22	9	9	13	19	20	138
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	2	1	1	0	0	0	0	0	0	0	0	0	4
	Udang Kulit Keras	3	3	0	0	0	0	0	0	0	0	3	0	9
	Udang Harimau	2	1	2	2	2	2	2	1	0	1	1	3	19
	Lain-Lain Jenis Udang	31	46	39	50	51	40	66	48	17	90	131	130	739
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	0	0	1	1	0	0	0	0	0	0	0	0	2
	Sotong Katak	1	2	9	12	10	8	8	6	2	9	11	11	89
	Sotong Biasa	1	7	4	4	1	1	1	1	0	0	4	0	24
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	202	267	277	450	550	545	511	509	408	578	1,406	1,572	7,275

SEMENANUNJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Pukat Tunda <i>Trawl Nets</i>	Pukat-Pukat Tarik/ Seine Nets		Lain Pukat Tarik <i>Other Seines</i>	Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap-perangkap Traps		Pancing <i>Hooks and Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/Scoop Nets</i>	Memungut Siput <i>Shellfish Collection</i>	Rampaian <i>Miscel- laneous</i>	Jumlah (Tan) Total (Tonnes)
			Pukat Jerut Ikan <i>Purse Seine Fish</i>	Pukat Jerut Bilis <i>Purse Seine Anchovy</i>				Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							
24	Kebasi/Selangat	858	425	0	0	1,957	0	0	0	0	0	0	0	0	0	3,240
	Puput/B. Mata/Tirok	2,705	186	0	1	2,141	0	0	0	0	1	0	0	0	0	5,034
	Terubok	121	1	0	0	1	0	0	0	0	0	0	0	0	0	123
25	Siakap	6	0	0	0	4	0	1	2	13	0	10	0	0	0	36
31	Lidah	1,556	0	0	1	258	0	0	0	0	8	1	1	0	0	1,825
	Sebelah	700	0	0	0	29	0	0	15	0	0	0	0	0	0	744
33	Bayan	128	0	0	0	2	0	0	27	1	0	0	0	0	0	158
	Biji Nangka	4,175	0	0	0	0	0	0	56	7	0	0	0	0	0	4,238
	Daun Baharu	197	1	0	0	29	0	0	4	0	0	0	0	0	0	231
34	Delah/Pinang-Pinang	50	1	0	0	8	0	2	52	17	0	0	0	0	0	130
	Duri/Pulutan/Utik	4,256	165	12	82	1,073	0	4	24	765	17	93	0	0	0	6,491
	Dengkis/Debam	616	2	0	0	15	0	5	228	21	0	0	0	0	0	887
	Gelama/Tengkerong/Selampai	6,515	0	83	79	2,756	0	7	2	89	47	170	2	0	0	9,750
	Gerut-Gerut	441	0	0	0	42	0	0	10	107	0	0	0	0	0	600
	Jenahak	244	3	0	0	18	0	0	115	151	0	0	0	0	0	531
	Kaci	438	0	0	0	1	0	0	78	84	0	0	0	0	0	601
	Kerapu	2,798	0	0	1	41	0	1	592	557	0	0	0	0	0	3,990
	Kerisi	19,889	1	0	0	386	32	0	1,599	1,719	0	0	0	0	0	23,626
	Kerisi Bali	1,642	0	0	0	2	0	0	76	88	0	0	0	0	0	1,808
	Kikek	416	9	149	0	3	0	1	1	2	0	0	0	0	0	581
	Malong	1,075	0	0	2	144	0	0	22	462	0	0	0	0	0	1,705
	Merah	1,917	22	0	0	13	0	1	659	668	0	0	0	0	0	3,280
	Mengkerong/Conor/Ubi-Ubi	4,981	6	0	0	66	0	0	2	13	0	0	0	0	0	5,068
	Remong/Kunyit-Kunyit/Tanda	1,504	1	0	0	5	0	2	249	92	0	0	0	0	0	1,853
	Semilang	210	0	0	17	75	0	2	68	87	5	254	0	0	0	718
	Shrumbu/Lemah	258	0	0	0	0	0	0	0	0	0	0	0	0	0	258
	Puntong Damar/Bulus	1,290	0	0	1	206	0	0	0	14	0	0	0	0	0	1,511
	Pasir-Pasir/Timun-Timun	434	0	0	0	0	1	0	0	175	3	0	0	0	0	613
	Alu-Alu/Kacang-Kacang	1,726	92	0	3	160	0	8	8	107	0	0	0	0	0	2,104
	Aruan Tasik	318	4	0	0	22	0	0	51	251	0	0	0	0	0	646
	Bawal	2,920	487	0	1	1,211	107	11	0	1	6	0	0	0	0	4,744

Samb. Dari Jadual 4.6
(Cont'd From Table 4.6)

	Belanak/Kedera	231	374	1	11	1,020	0	11	3	0	5	48	0	0	0	1,704
	Cermin/Sagai/Cupak	1,353	99	0	2	172	2	2	49	266	0	0	0	0	0	1,945
	Cincaru	3,360	2,473	0	0	809	10	0	0	540	0	0	0	0	0	7,192
	Demudok/Rambai	1,472	172	0	0	121	0	1	79	229	0	0	0	0	0	2,074
	Kurau/Senangin/Senohong	199	0	0	4	837	0	0	2	50	0	1	0	0	0	1,093
	Pelata/Selar	2,699	7,209	99	0	454	69	4	8	2,177	4	0	0	0	0	12,723
	Selar Kuning/Lolong	7,421	10,119	0	0	94	5,336	48	30	2	0	0	0	0	0	23,050
	Selayang/Curut	1,600	43,903	45	0	0	483	0	0	232	0	0	0	0	0	46,263
	Pisang-Pisang	11	1,085	0	0	0	0	4	7	101	0	0	0	0	0	1,208
	Talang	191	45	0	0	354	3	2	0	46	0	0	0	0	0	641
35	Bilis/Bunga Air	145	0	19,513	0	25	0	61	0	3	0	0	0	0	0	19,747
	Parang-Parang	1,984	0	4	0	1,717	0	4	1	79	0	0	0	0	0	3,789
	Tamban	1,362	11,194	574	33	552	474	60	0	47	0	0	0	0	0	14,296
	Bulan-Bulan	12	2	0	0	1	0	0	0	3	0	0	0	0	0	18
36	Aya/Kayu/Tongkol	51	8,856	60	0	1,506	1	0	10	4,457	0	0	0	0	0	14,941
	Layaran/Mersuji	8	0	0	0	24	0	0	0	50	0	0	0	0	0	82
37	Kembong/Temenong/Pelaling	11,894	23,986	16	0	13,310	57	3	1	511	0	0	0	0	0	49,778
	Tenggiri	2,183	326	1	0	3,620	0	0	2	2,082	0	0	0	0	0	8,214
	Timah/Layor/Selayor	2,222	35	0	0	303	0	0	0	0	0	0	0	0	0	2,560
38	Pari	6,884	0	0	5	620	0	2	79	872	4	0	0	0	0	8,466
	Yu	1,665	7	0	0	206	0	0	12	178	0	0	0	0	0	2,068
39	Ikan Baja	228,615	3,381	85	6,518	4,559	0	31	1	16	3,576	397	507	0	0	247,686
	Ikan Campur	21,087	878	6	44	2,950	6	63	164	121	108	24	12	0	0	25,463
	Jebong	2,385	0	0	2	1	0	0	235	10	0	0	0	0	0	2,633
42	Ketam	2,317	3	0	10	1,113	0	10	94	0	10	340	13	0	309	4,219
45	Udang Karang/Lobok	674	0	0	0	3	0	4	4	0	5	0	0	0	0	690
	Udang Putih	1,146	0	0	23	2,478	0	1	0	0	19	1	7	0	0	3,675
	Udang Minyak	13,814	0	0	4,569	182	0	0	2	0	674	1	4	0	0	19,246
	Udang Merah Ros	1,452	0	0	0	10	0	0	0	0	1	0	0	0	0	1,463
	Udang Kulit Keras	3,329	0	0	296	68	0	0	0	0	152	0	55	0	0	3,900
	Udang Harimau	361	0	0	1	48	0	5	0	0	5	0	6	0	0	426
	Lain-Lain Jenis Udang	17,624	0	0	5,187	3,759	0	106	2	0	2,131	116	856	0	20	29,801
	Udang Baring	7	0	0	17	0	0	674	0	0	12,988	0	757	0	0	14,443
56	Siput/Kepah/Kupang/Tiram	2	0	0	0	0	0	0	0	0	0	0	0	1,161	0	1,163
57	Sotong Kereta	280	0	0	0	7	0	0	1	0	6	0	0	0	0	294
	Sotong Katak	10,936	0	0	10	31	5	1	279	6	22	0	0	0	0	11,290
	Sotong Biasa	28,468	500	0	0	26	571	85	161	1,250	22	0	0	0	5	31,088
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	3,131	0	0	0	0	3,131
	Jumlah Tan M/Total Tonnes	443,828	116,053	20,648	16,920	51,649	7,156	1,227	5,341	18,647	22,947	1,456	2,220	1,161	334	709,587

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.1

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Pukat Tunda <i>Trawl Nets</i>	Pukat-Pukat Tarik/ <i>Seine Nets</i>		Lain Pukat Tarik <i>Other Seines</i>	Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap-perangkap <i>Traps</i>		Pancing <i>Hooks and Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/Scoop Nets</i>	Memungut Siput <i>Shellfish Collection</i>	Rampaihan <i>Miscel- laneous</i>	Jumlah (Tan) <i>Total (Tonnes)</i>
			Pukat Jerut Ikan <i>Purse Seine Fish</i>	Pukat Jerut Bilis <i>Purse Seine Anchovy</i>				Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							
24	Kebasi/Selangat	802	425	0	0	1,944	0	0	0	0	0	0	0	0	0	3,171
	Puput/B. Mata/Tirok	2,474	186	0	1	2,141	0	0	0	0	0	0	0	0	0	4,802
	Terubok	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
25	Siakap	3	0	0	0	5	0	0	1	11	0	10	0	0	0	30
31	Lidah	1,405	0	0	1	256	0	0	0	0	8	1	2	0	0	1,673
	Sebelah	259	0	0	0	28	0	0	0	0	0	0	0	0	0	287
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	2,148	0	0	0	0	0	0	0	0	0	0	0	0	0	2,148
	Daun Baharu	131	1	0	0	26	0	0	0	0	0	0	0	0	0	158
	Delah/Pinang-Pinang	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	Duri/Pulutan/Utik	1,713	70	0	82	966	0	4	0	460	16	93	0	0	0	3,404
	Dengkis/Debam	157	0	0	0	0	0	0	46	0	0	0	0	0	0	203
	Gelama/Tengkerong/Selampai	5,175	0	0	76	2,581	0	1	0	25	42	170	2	0	0	8,072
	Gerut-Gerut	351	0	0	0	36	0	0	9	93	0	0	0	0	0	489
	Jenahak	220	3	0	0	18	0	0	112	144	0	0	0	0	0	497
	Kaci	41	0	0	0	0	0	0	8	7	0	0	0	0	0	56
	Kerapu	1,620	0	0	1	41	0	0	335	157	0	0	0	0	0	2,154
	Kerisi	10,051	0	0	0	146	0	0	0	0	0	0	0	0	0	10,197
	Kerisi Bali	358	0	0	0	2	0	0	35	51	0	0	0	0	0	446
	Kikek	90	4	0	0	2	0	0	0	0	0	0	0	0	0	96
	Malong	877	0	0	2	143	0	0	0	446	0	0	0	0	0	1,468
	Merah	730	6	0	0	5	0	0	292	92	0	0	0	0	0	1,125
	Mengkerong/Conor/Ubi-Ubi	4,083	6	0	0	54	0	0	0	0	0	0	0	0	0	4,143
	Remong/Kunyit-Kunyit/Tanda	420	0	0	0	4	0	0	0	22	0	0	0	0	0	446
	Semilang	202	0	0	17	75	0	0	67	87	5	254	0	0	0	707
	Shrumbu/Lemah	251	0	0	0	0	0	0	0	0	0	0	0	0	0	251
	Puntong Damar/Bulus	564	0	0	1	204	0	0	0	12	0	0	0	0	0	781
	Pasir-Pasir/Timun-Timun	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
34	Alu-Alu/Kacang-Kacang	1,055	12	0	3	137	0	0	0	42	0	0	0	0	0	1,249
	Aruan Tasik	98	0	0	0	8	0	0	1	12	0	0	0	0	0	119
	Bawal	2,798	85	0	0	1,172	0	11	0	0	5	0	0	0	0	4,071

Samb. Dari Jadual 4.6.1...
(Cont'd From Table 4.6.1...)

	Belanak/Kedera	230	374	0	11	995	0	0	0	0	5	48	0	0	0	1,663
	Cermin/Sagai/Cupak	112	22	0	2	141	0	0	0	0	0	0	0	0	0	277
	Cincaru	2,333	1,668	0	0	622	0	0	0	21	0	0	0	0	0	4,644
	Demudok/Rambai	1,338	56	0	0	101	0	0	13	44	0	0	0	0	0	1,552
	Kurau/Senangin/Senohong	172	0	0	4	727	0	0	1	49	0	1	0	0	0	954
	Pelata/Selar	1,599	1,118	0	0	149	0	0	0	1	1	0	0	0	0	2,868
	Selar Kuning/Lolong	1,963	771	0	0	15	0	0	0	0	0	0	0	0	0	2,749
	Selayang/Curut	898	5,743	0	0	0	0	0	0	0	0	0	0	0	0	6,641
	Pisang-Pisang	7	500	0	0	0	0	0	0	0	0	0	0	0	0	507
	Talang	147	37	0	0	314	0	0	0	30	0	0	0	0	0	528
35	Bilis/Bunga Air	87	0	14,779	0	25	0	0	0	0	0	0	0	0	0	14,891
	Parang-Parang	1,550	0	0	0	1,000	0	4	0	0	0	0	0	0	0	2,554
	Tamban	1,319	3,832	0	33	549	0	0	0	0	0	0	0	0	0	5,733
	Bulan-Bulan	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
36	Aya/Kayu/Tongkol	5	4,836	0	0	209	0	0	0	1	0	0	0	0	0	5,051
	Layaran/Mersuji	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
37	Kembong/Temenong/Pelaling	10,610	11,940	0	0	12,830	0	0	0	0	0	0	0	0	0	35,380
	Tenggiri	1,439	222	0	0	2,919	0	0	0	28	0	0	0	0	0	4,608
	Timah/Layor/Selayor	1,852	31	0	0	78	0	0	0	0	0	0	0	0	0	1,961
38	Pari	3,298	0	0	5	462	0	1	54	781	0	0	0	0	0	4,601
	Yu	683	7	0	0	30	0	0	4	52	0	0	0	0	0	776
39	Ikan Baja	124,402	2,959	0	6,313	4,542	0	9	0	0	2,665	399	505	0	0	141,794
	Ikan Campur	10,440	385	0	44	2,682	0	50	3	23	77	24	13	0	0	13,741
	Jebong	1,813	0	0	2	1	0	0	100	0	0	0	0	0	0	1,916
42	Ketam	1,462	1	0	10	1,079	0	0	32	0	10	339	13	0	285	3,231
45	Udang Karang/Lobok	26	0	0	0	0	0	0	0	0	5	0	0	0	0	31
	Udang Putih	919	0	0	23	2,362	0	1	0	0	7	1	7	0	0	3,320
	Udang Minyak	13,054	0	0	4,569	175	0	0	0	0	587	1	4	0	0	18,390
	Udang Merah Ros	1,381	0	0	0	8	0	0	0	0	1	0	0	0	0	1,390
	Udang Kulit Keras	2,447	0	0	296	27	0	0	0	0	152	0	55	0	0	2,977
	Udang Harimau	101	0	0	1	1	0	0	0	0	3	0	6	0	0	112
	Lain-Lain Jenis Udang	15,806	0	0	5,187	3,561	0	68	0	0	2,058	115	856	0	17	27,668
	Udang Baring	7	0	0	0	0	0	674	0	0	11,299	0	757	0	0	12,737
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	1,161	0	1,161
57	Sotong Kereta	188	0	0	0	8	0	0	0	0	6	0	0	0	0	202
	Sotong Katak	4,488	0	0	10	31	0	1	82	0	20	0	0	0	0	4,632
	Sotong Biasa	14,999	73	0	0	22	0	71	72	0	23	0	0	0	0	15,260
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	3,131	0	0	0	0	3,131
	Jumlah Tan M/Total Tonnes	259,276	35,374	14,779	16,694	45,659	0	895	1,267	2,691	20,126	1,456	2,220	1,161	302	401,900

PANTAI TIMUR SEMENANUNJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.2.

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Pukat Tunda <i>Trawl Nets</i>	Pukat-Pukat Tarik/ <i>Seine Nets</i>		Lain Pukat Tarik <i>Other Seines</i>	Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap-perangkap <i>Traps</i>		Pancing <i>Hooks and Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/Scoop Nets</i>	Memungut Siput <i>Shellfish Collection</i>	Rampaian <i>Miscel- laneous</i>	Jumlah (Tan) <i>Total (Tonnes)</i>
			Pukat Jerut Ikan <i>Purse Seine Fish</i>	Pukat Jerut Bilis <i>Purse Seine Anchovy</i>				Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							
24	Kebasi/Selangat	56	0	0	0	13	0	0	0	0	0	0	0	0	0	69
	Puput/B. Mata/Tirok	231	0	0	0	0	0	0	0	0	1	0	0	0	0	232
	Terubok	121	0	0	0	1	0	0	0	0	0	0	0	0	0	122
25	Siakap	3	0	0	0	0	0	1	1	1	0	0	0	0	0	6
31	Lidah	151	0	0	0	1	0	0	0	0	0	0	0	0	0	152
	Sebelah	441	0	0	0	1	0	0	15	0	0	0	0	0	0	457
33	Bayan	128	0	0	0	2	0	0	27	1	0	0	0	0	0	158
	Biji Nangka	2,027	0	0	0	0	0	0	56	7	0	0	0	0	0	2,090
	Dau Baharu	66	0	0	0	3	0	0	4	0	0	0	0	0	0	73
	Delah/Pinang-Pinang	44	1	0	0	8	0	2	52	17	0	0	0	0	0	124
	Duri/Pulutan/Utik	2,543	95	12	0	107	0	0	24	305	1	0	0	0	0	3,087
	Dengkis/Debam	459	2	0	0	15	0	5	182	21	0	0	0	0	0	684
	Gelama/Tengkerong/Selampai	1,340	0	83	3	175	0	6	2	64	5	0	0	0	0	1,678
	Gerut-Gerut	90	0	0	0	6	0	0	1	14	0	0	0	0	0	111
	Jenahak	24	0	0	0	0	0	0	3	7	0	0	0	0	0	34
	Kaci	397	0	0	0	1	0	0	70	77	0	0	0	0	0	545
	Kerapu	1,178	0	0	0	0	0	1	257	400	0	0	0	0	0	1,836
	Kerisi	9,838	1	0	0	240	32	0	1,599	1,719	0	0	0	0	0	13,429
	Kerisi Bali	1,284	0	0	0	0	0	0	41	37	0	0	0	0	0	1,362
	Kikek	326	5	149	0	1	0	1	1	2	0	0	0	0	0	485
	Malong	198	0	0	0	1	0	0	22	16	0	0	0	0	0	237
	Merah	1,187	16	0	0	8	0	1	367	576	0	0	0	0	0	2,155
	Mengkerong/Conor/Ubi-Ubi	898	0	0	0	12	0	0	2	13	0	0	0	0	0	925
	Remong/Kunyit-Kunyit/Tanda	1,084	1	0	0	1	0	2	249	70	0	0	0	0	0	1,407
	Semilang	8	0	0	0	0	0	2	1	0	0	0	0	0	0	11
	Shrumbu/Lemah	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	Puntong Damar/Bulus	726	0	0	0	2	0	0	0	2	0	0	0	0	0	730
	Pasir-Pasir/Timun-Timun	418	0	0	0	1	0	0	175	3	0	0	0	0	0	597
34	Alu-Alu/Kacang-Kacang	671	80	0	0	23	0	8	8	65	0	0	0	0	0	855
	Arvan Tasik	220	4	0	0	14	0	0	50	239	0	0	0	0	0	527
	Bawal	122	402	0	1	39	0	0	0	1	1	0	0	0	0	673

Samb. Dari Jadual 4.6.2..
(Cont'd From Table 4.6.2..)

	Belanak/Kedera	1	0	1	0	25	0	11	3	0	0	0	0	0	0	41
	Cermin/Sagai/Cupak	1,241	77	0	0	31	2	2	49	266	0	0	0	0	0	1,668
	Cincaru	1,027	805	0	0	187	10	0	0	519	0	0	0	0	0	2,548
	Demudok/Rambai	134	116	0	0	20	0	1	66	185	0	0	0	0	0	522
	Kurau/Senangin/Senohong	27	0	0	0	110	0	0	1	1	0	0	0	0	0	139
	Pelata/Selar	1,100	6,091	99	0	305	69	4	8	2,176	3	0	0	0	0	9,855
	Selar Kuning/Lolong	5,458	9,348	0	0	79	5,336	48	30	2	0	0	0	0	0	20,301
	Selayang/Curut	702	38,160	45	0	0	483	0	0	232	0	0	0	0	0	39,622
	Pisang-Pisang	4	585	0	0	0	0	4	7	101	0	0	0	0	0	701
	Talang	44	8	0	0	40	3	2	0	16	0	0	0	0	0	113
35	Bilis/Bunga Air	58	0	4,734	0	0	0	61	0	3	0	0	0	0	0	4,856
	Parang-Parang	434	0	4	0	717	0	0	1	79	0	0	0	0	0	1,235
	Tamban	43	7,362	574	0	3	474	60	0	47	0	0	0	0	0	8,563
	Bulan-Bulan	10	2	0	0	1	0	0	0	3	0	0	0	0	0	16
36	Aya/Kayu/Tongkol	46	4,020	60	0	1,297	1	0	10	4,456	0	0	0	0	0	9,890
	Layaran/Mersuji	7	0	0	0	24	0	0	0	50	0	0	0	0	0	81
37	Kembong/Temenong/Pelaling	1,284	12,046	16	0	480	57	3	1	511	0	0	0	0	0	14,398
	Tenggiri	744	104	1	0	701	0	0	2	2,054	0	0	0	0	0	3,606
	Timah/Layor/Selayor	370	4	0	0	225	0	0	0	0	0	0	0	0	0	599
38	Pari	3,586	0	0	0	158	0	1	25	91	4	0	0	0	0	3,865
	Yu	982	0	0	0	176	0	0	8	126	0	0	0	0	0	1,292
39	Ikan Baja	104,213	422	85	205	16	0	22	2	17	910	0	0	0	0	105,892
	Ikan Campur	10,647	493	6	0	268	6	13	160	98	31	0	0	0	0	11,722
	Jebong	572	0	0	0	0	0	0	135	10	0	0	0	0	0	717
42	Ketam	855	2	0	0	34	0	10	63	0	0	0	0	0	24	988
45	Udang Karang/Lobok	648	0	0	0	3	0	4	4	0	0	0	0	0	0	659
	Udang Putih	227	0	0	0	116	0	0	0	0	12	0	0	0	0	355
	Udang Minyak	760	0	0	0	7	0	0	2	0	87	0	0	0	0	856
	Udang Merah Ros	71	0	0	0	2	0	0	0	0	0	0	0	0	0	73
	Udang Kulit Keras	882	0	0	0	41	0	0	0	0	0	0	0	0	0	923
	Udang Hanimau	260	0	0	0	47	0	5	0	0	2	0	0	0	0	314
	Lain-Lain Jenis Udang	1,818	0	0	0	198	0	38	3	0	73	0	0	0	3	2,133
	Udang Baring	0	0	0	17	0	0	0	0	0	1,689	0	0	0	0	1,706
56	Siput/Kepah/Kupang/Tiram	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
57	Sotong Kereta	92	0	0	0	0	0	0	0	0	0	0	0	0	0	92
	Sotong Katak	6,448	0	0	0	0	5	0	197	6	2	0	0	0	0	6,658
	Sotong Biasa	13,469	427	0	0	4	571	14	88	1,250	0	0	0	0	5	15,828
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	184,552	80,679	5,869	226	5,990	7,156	332	4,074	15,956	2,821	0	0	0	32	307,687

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY GEARS GROUP AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.3

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i>	Pukat Tunda <i>Trawl Nets</i>	Pukat-Pukat Tarik <i>Seine Nets</i>			Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap-perangkap <i>Traps</i>		Pancing <i>Hooks and Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/ Scoop Nets</i>	Memungut Siput <i>Shelfish Collection</i>	Rampaian <i>Miscel- laneous</i>	Jumlah (Tan M)
	Nama Tempatan <i>Local Name</i>		Pukat Jerut Ikan <i>Purse Seine- Fish</i>	Pukat Jerut Bilis <i>Purse Seine- Anchovy</i>	Lain Pukat Tarik <i>Other Seines</i>			Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							Total (Tonnes)
24	Kebasi/Selangat	6	0	0	0	151	0	6	0	0	0	0	0	0	0	163
	Puput/B. Mata/Tirok	1,127	0	0	0	838	0	10	0	0	0	0	0	0	0	1,975
	Terubok	6	0	0	0	373	0	0	0	0	0	1	0	0	0	380
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	103	0	0	0	0	0	0	0	0	0	0	0	0	0	103
33	Sebelah	200	0	0	0	0	0	0	0	0	0	0	0	0	0	200
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	11	0	0	1	0	0	0	0	0	0	12
	Delah/Pinang-Pinang	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
	Duri/Pulutan/Utik	1,096	0	0	0	918	0	31	0	55	0	2	0	0	1	2,103
	Gelama/Tengkerong/Selampai	2,644	1	0	0	217	0	5	0	0	0	4	0	0	0	2,871
	Gerut-Gerut	88	0	0	0	25	0	0	0	6	0	1	0	0	0	120
	Jenahak	75	0	0	0	35	0	0	0	121	0	0	0	0	0	231
	Kaci	9	0	0	0	0	0	0	0	2	0	0	0	0	0	11
	Kerapu	68	0	0	0	9	0	0	0	145	0	1	0	0	0	223
	Kerisi	290	0	0	0	39	0	0	0	168	0	0	0	0	0	497
	Kerisi Bali	1	0	0	0	0	0	0	0	39	0	0	0	0	0	40
	Kikek	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	Lumi-Lumi	153	0	0	0	100	0	92	0	1	47	821	0	0	0	1,214
	Malong	792	0	0	0	130	0	0	0	0	0	0	0	0	0	922
	Merah	1,135	0	0	0	20	0	0	0	765	0	2	0	0	0	1,922
	Pelanduk	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Semilang	2	0	0	0	3	0	4	0	18	0	2	0	0	0	29
	Shrumbu/Lemah	349	0	0	0	1	0	0	0	0	0	0	0	0	0	350
	Kapas	108	0	0	0	5	0	0	0	0	0	0	0	0	0	113
34	Alu-Alu/Kacang-Kacang	42	0	0	0	2	0	0	0	1	0	0	0	0	0	45
	Bawal	866	406	0	0	665	0	0	0	0	0	0	360	0	0	2,297
	Belanak/Kedera	3	0	0	0	55	0	0	0	0	0	0	0	0	0	58
	Cermin/Sagai/Cupak	3	0	0	0	1	0	0	0	0	0	0	0	0	0	4
	Gerongga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cincaru	623	292	0	0	91	0	0	0	0	0	0	1	0	0	1,007
	Demudok/Rambai	112	0	0	0	4	0	0	0	1	0	0	0	0	0	117
	Kurau/Senangin/Senohong	13	0	0	0	350	0	2	0	0	0	0	0	0	0	365
	Pelata/Selar	511	333	0	0	13	0	0	0	0	0	0	1	0	0	858
	Selar Kuning/Lolong	18	479	0	0	0	0	0	0	0	0	0	15	0	0	512
	Selayang/Curut	77	20	0	0	0	0	0	0	0	0	22	0	0	0	119
	Talang	42	0	0	0	175	0	0	0	21	0	0	0	0	0	238
	Todak/Banang	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
	Tamban	45	605	0	0	1,287	0	0	0	0	0	0	19	0	0	1,956
	35	Bilis/Bunga Air	62	0	0	0	108	0	0	0	0	0	0	0	0	0

Samb.Dari Jadual 4.6.3...
(Cont'd From Table 4.6.3...)

	Parang-Parang	163	0	0	0	315	0	0	0	0	0	0	0	0	0	478
	Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	38	728	0	0	790	0	0	0	437	0	0	0	0	0	1,993
37	Kembong/Temenong/Pelaling	1,218	354	0	0	1,413	0	0	0	0	0	0	18	0	0	3,003
	Tenggiri	1,104	27	0	0	1,189	0	0	0	31	0	0	0	0	0	2,351
	Timah/Layor/Selayor	890	0	0	0	194	0	0	0	0	0	0	0	0	0	1,084
38	Pari	1,710	0	0	0	246	0	0	0	97	0	0	0	0	0	2,053
	Yu	1,285	0	0	0	801	0	0	0	20	0	0	0	0	0	2,106
39	Ikan Baja	13,183	0	0	0	16	0	0	0	3	483	0	0	0	0	13,685
	Ikan Campur	6,652	10	0	0	1,213	0	122	0	34	66	0	0	0	1	8,098
42	Ketam	88	0	0	0	131	0	1	17	0	0	2	0	0	0	239
45	Udang Karang/Lobok	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	Udang Harimau	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Udang Putih	994	5	0	0	1,166	0	33	0	0	12	10	4	0	6	2,230
	Udang Sua Lor	565	1	0	0	83	0	4	0	0	3	0	0	0	0	656
	Udang Merah Ros	48	0	0	0	0	0	0	0	0	0	0	0	0	0	48
	Udang Kulit Keras	1,484	1	0	0	0	0	4	0	0	60	0	0	0	0	1,549
	Udang Kuning	24	0	0	0	0	0	0	0	0	0	0	0	0	0	24
	Udang Cendana/Rotan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah/Payak	7,397	0	0	0	0	0	8	0	0	1,975	0	0	0	2	9,382
	Udang Pasir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Minyak	423	0	0	0	0	0	0	0	0	0	0	0	0	0	423
	Udang Baring	0	0	0	0	163	0	143	0	0	11	0	67	0	7	391
	Lain-Lain Jenis Udang	200	1	0	0	0	0	0	0	0	0	0	0	0	0	201
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	157	0	157
	Sotong Kerela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	273	0	0	0	0	0	0	0	0	0	0	0	0	0	273
57	Sotong Biasa	1,619	0	0	0	3	0	0	0	0	0	0	0	0	0	1,622
76	Ubur-Ubur	2,178	0	0	0	756	0	0	0	0	2,210	226	3,592	0	0	8,962
	Jamah	188	622	0	0	3	0	0	0	0	0	0	203	0	0	1,016
	Perencong	2	0	0	0	100	0	0	0	0	0	0	0	0	0	102
	Panjang	10	0	0	0	288	0	13	0	0	0	0	0	0	0	311
	Pelayak	66	0	0	0	133	0	5	0	0	0	0	0	0	0	204
	Impirang	5	0	0	0	711	0	62	0	3	12	315	0	0	0	1,108
	Bulu Ayam	152	0	0	0	207	0	152	0	0	105	78	0	0	0	694
	Kilat	299	0	0	0	276	0	7	0	0	0	0	0	0	0	582
	Bulu	66	0	0	0	9	0	18	0	0	0	0	0	0	0	93
	Empirit	6	0	0	0	160	0	47	0	0	0	0	0	0	0	213
	Jumlah Tan M/Total Tonnes	53,045	3,885	0	0	15,996	0	769	18	1,969	4,984	1,487	4,280	157	17	86,607

SABAH
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.4

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i>	Pukat Tunda <i>Trawl Nets</i>	Pukat-Pukat Tarik <i>Seine Nets</i>			Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap-perangkap <i>Traps</i>		Pancing <i>Hooks and Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/Scoop Nets</i>	Memungut Siput <i>Shellfish Collection</i>	Rampaian <i>Miscel- laneous</i>	Jumlah (Tan) <i>Total (Tonnes)</i>
	Nama Tempatan <i>Local Name</i>		Pukat Jerut Ikan <i>Purse Seine Fish</i>	Pukat Jerut Bilis <i>Purse Seine Anchovy</i>	Lain Pukat Tarik <i>Other Seines</i>			Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							
24	Kebasi	44	0	0	6	12	11	35	0	0	0	0	0	0	0	108
	Puput	0	0	0	0	5	0	2	0	0	0	0	0	0	0	6
	Beliak Mata	515	54	0	0	68	0	0	0	1	0	0	0	0	0	638
25	Siakap	35	0	0	0	642	0	22	42	434	0	0	0	0	0	1,175
31	Lidah	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	Sebelah	337	0	0	0	54	0	17	0	18	0	0	0	0	0	425
33	Bayan	53	0	0	0	90	0	6	0	24	0	0	0	0	0	173
	Jarang Gigi	0	0	0	0	32	0	0	0	20	0	0	0	0	0	52
	Batu	1	0	0	14	39	0	12	0	97	0	0	0	0	7	170
	Daun Baharu	64	0	0	1	3	0	0	0	31	0	0	0	0	3	102
	Delah	3	0	0	15	112	0	2	2	807	0	0	0	0	58	1,000
	Dengkis	15	2	0	29	209	0	93	58	51	0	0	0	0	2	460
	Duri	429	1	0	0	1,208	0	51	27	160	0	0	0	0	0	1,876
	Gelama	366	36	0	3	202	0	42	0	17	0	0	0	0	4	671
	Gerut-gerut	199	0	0	0	21	0	28	0	31	0	0	0	0	0	279
	Jahan	12	0	0	0	0	0	26	0	100	0	0	0	0	0	138
	Jebong	202	0	0	0	18	3	7	0	16	0	0	0	0	0	246
	Jenahak	42	0	0	7	662	0	6	39	990	0	0	0	0	1	1,746
	Kaci	4	0	0	1	0	0	2	10	8	0	0	0	0	0	25
	Kapas Laut	68	0	0	16	66	0	8	0	56	0	0	0	0	0	214
	Kerapu	262	0	0	1	566	2	72	77	2,088	0	0	0	0	5	3,072
	Kerisi	2,015	0	0	0	508	0	14	9	435	0	0	0	0	0	2,981
	Kerisi Bali	225	0	0	0	0	0	0	0	42	0	0	0	0	0	267
	Kikek	630	0	0	0	210	2	43	0	0	0	0	0	0	0	885
	Lumi-Lumi	101	0	0	0	210	0	10	0	2	0	0	0	0	0	323
	Malong	119	0	0	0	0	0	14	0	54	0	0	0	0	0	186
	Merah	594	7	0	0	1,029	0	14	95	1,354	0	0	0	0	5	3,099
	Mengkerong	402	0	0	0	0	0	1	0	0	0	0	0	0	0	403
	Puntung Damar	1	0	0	0	2	0	0	0	16	0	0	0	0	0	18
	Pasir-Pasir	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	Biji Nangka	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	Kunyit-Kunyit	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Semilang	6	0	0	0	394	0	70	66	54	0	0	0	0	0	589
	Shrumbu	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Tanda	9	0	0	0	0	0	22	33	158	0	0	0	0	0	221
	Aji-Aji	0	0	0	0	2	0	0	0	7	0	0	0	0	0	9
34	Alu-Alu	291	22	0	1	115	3	31	0	417	0	0	0	0	3	884
	Bawal	77	10	0	0	1,005	383	42	2	0	0	0	0	0	0	1,520
	Belanak	29	0	0	30	1,062	3	54	0	1	0	0	0	0	0	1,178
	Cermin	3	0	0	0	1	0	0	0	0	0	0	0	0	0	4
	Cincaru	204	65	0	0	496	463	0	3	302	0	0	0	0	0	1,533
	Demudok	793	0	0	4	835	74	47	30	809	0	0	0	0	14	2,605
	Gerong-Gerong	0	0	0	0	1	0	2	1	3	0	0	0	0	0	6
	Kurau	17	0	0	0	1,090	0	26	2	443	0	0	0	0	0	1,578

Samb.Jadual 4.6.4.
(Cont'd From Table 4.6.4.)

	Selar	42	233	0	0	34	660	1	0	432	0	0	0	0	2	1,403
	Selar Kuning	213	6	0	0	6	172	5	0	0	0	0	0	0	0	402
	Pisang-Pisang	0	0	0	0	56	0	0	0	103	0	0	0	0	1	160
	Selayang	365	2,292	0	1	113	3,862	0	0	68	0	0	0	0	0	6,700
	Ketang	2	0	0	0	0	0	26	0	0	0	0	0	0	0	27
	Talang	131	2	0	10	424	66	39	0	49	0	0	0	0	0	721
	Todak	0	0	0	4	162	0	1	0	6	0	0	0	0	0	174
	Tamban	10	1,739	0	0	25	2,038	30	0	28	0	0	0	0	0	3,869
35	Bilis	1	0	862	0	0	1,383	21	0	0	0	0	0	0	0	2,267
	Parang-Parang	6	0	0	0	95	0	0	0	1	0	0	0	0	0	102
	Bulan-Bulan	6	1	0	0	12	0	18	0	0	0	0	0	0	0	37
36	Aya/Kayu/Tongkol	22	1,993	0	5,486	2,719	2	0	0	599	0	0	0	0	0	10,822
	Layaran	0	0	0	0	91	0	0	0	198	0	0	0	0	0	290
37	Tenggiri	120	466	0	0	4,063	1,857	6	0	2,660	0	0	0	0	0	9,172
	Kembong	982	4,993	0	19	1,786	1,312	40	34	582	0	0	0	0	21	9,770
	Timah	66	10	0	0	260	2	8	0	7	0	0	0	0	0	353
	Tulai	138	322	0	0	5	99	3	9	2	0	0	0	0	2	580
38	Yu	409	2	0	7	626	0	5	0	269	0	0	0	0	0	1,318
	Pari	526	2	0	17	76	0	45	0	218	0	0	0	0	3	886
39	Ikan Baja	5,080	221	0	0	0	107	18	0	11	0	0	0	0	0	5,438
	Ikan Campor	2,102	898	0	39	590	6	3	0	248	0	0	0	0	0	3,886
42	Ketam	802	0	0	1	137	1	81	114	0	0	0	0	0	872	2,007
45	Bubuk	0	0	0	0	0	0	0	0	0	0	0	0	0	335	335
	Udang Karang	27	0	0	0	2	0	0	0	34	0	0	0	0	2	66
	Udang Putih	3,209	0	0	3	1,841	0	8	0	0	0	0	0	0	196	5,257
	Udang Minyak	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	U. Merah Ros	1,361	0	0	0	2	0	0	0	0	0	0	0	0	0	1,362
	U. Kulit Keras	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	Udang Harimau	1,170	0	0	0	14	0	18	0	0	0	0	0	0	0	1,202
	Lain Jenis Udang	3,979	0	0	0	397	0	101	84	0	0	0	0	0	38	4,599
	Udang Baring	120	0	0	0	0	0	0	0	0	0	0	0	0	0	120
56	Lain-lain Siput	118	0	0	0	0	0	0	0	0	0	0	0	0	0	2,039
57	Sotong Cumit	551	72	0	2	11	9	66	0	146	0	0	0	0	6	863
	Sotong Katak	928	2	0	0	0	0	10	0	34	0	0	0	0	10	985
	Sotong Kereta	153	0	0	0	0	18	0	0	0	0	0	0	0	12	182
	Trepang	37	0	0	0	0	0	0	0	0	0	0	0	0	2	38
	Berangkas	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Gandang	69	0	0	0	0	0	0	0	0	0	0	0	0	0	69
	Tunai	0	49	0	0	0	0	0	0	0	0	0	0	0	0	49
	Jumlah Tan M./Total Tonnes	30,958	13,501	862	5,715	24,513	12,538	1,373	738	14,740	0	0	0	1,922	1,605	108,464

LABUAN
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1991
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.5

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</i> Nama Tempatan <i>Local Name</i>	Pukat Tunda <i>Trawl Nets</i>	Pukat-Pukat Tarik/ <i>Seine Nets</i>		Lain Pukat Tarik <i>Other Seines</i>	Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap-perangkap <i>Traps</i>		Pancing <i>Hooks and Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/Scoop Nets</i>	Memungut Siput <i>Shellfish Collection</i>	Rampaian <i>Miscel- laneous</i>	Jumlah (Tan) <i>Total (Tonnes)</i>
			Pukat Jerut Ikan <i>Purse Seine Fish</i>	Pukat Jerut Bilis <i>Purse Seine Anchovy</i>				Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							
24	Kebasi/Selangat	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	Puput/B. Mata/Tirok	6	0	0	0	3	0	0	0	0	0	0	0	0	0	9
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	1	0	0	0	5	0	0	0	2	0	0	0	0	0	8
31	Lidah	10	0	0	0	1	0	0	0	0	0	0	0	0	0	11
	Sebelah	29	0	0	0	21	0	2	1	0	0	0	0	0	0	53
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	Daun Baharu	13	0	0	0	21	0	7	2	0	0	0	0	0	0	43
	Delah/Pinang-Pinang	2	0	0	0	18	0	4	103	30	0	0	0	0	1	158
	Duri/Pulutan/Utik	13	0	0	0	65	0	7	1	36	0	0	0	0	0	122
	Dengkis/Debam	7	0	0	0	71	0	20	3	28	0	0	0	0	1	130
	Gelama/Tengkerong/Selampai	30	0	0	0	10	0	7	0	0	0	0	0	0	0	47
	Gerut-Gerut	8	0	0	0	8	0	2	0	9	0	0	0	0	0	27
	Jenahak	14	0	0	0	11	0	4	4	46	0	0	0	0	1	80
	Kaci	5	0	0	0	14	0	4	1	37	0	0	0	0	0	61
	Kerapu	8	0	0	0	24	0	7	3	372	0	0	0	0	1	415
	Kerisi	56	0	0	0	0	0	0	0	38	0	0	0	0	0	94
	Kerisi Bali	0	0	0	0	0	0	0	0	503	0	0	0	0	0	503
	Kikek	14	0	0	0	7	0	3	0	1	0	0	0	0	0	25
	Malong	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	Merah	11	0	0	0	0	0	0	4	1,025	0	0	0	0	1	1,041
	Mengkerong/Conor/Ubi-Ubi	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3
	Remong/Kunyit-Kunyit/Tanda	14	0	0	0	38	0	11	3	42	0	0	0	0	1	109
	Semilang	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
	Shrumbu/Lemah	3	0	0	0	0	0	1	0	0	0	0	0	0	0	4
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	7	0	0	0	1	0	2	0	1	0	0	0	0	0	11
34	Alu-Alu/Kacang-Kacang	22	2	0	0	77	6	2	0	34	0	0	0	0	0	143
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	6	8	0	0	71	18	0	2	0	0	0	0	0	1	106

Samb. Dari Jadwal 4.6.5...
(Cont. From Table 4.6.5...)

	Belanak/Kedera	0	0	0	0	18	0	9	0	2	0	0	0	0	29
	Cermin/Sagai/Cupak	4	0	0	0	84	0	20	3	79	0	0	0	0	191
	Cincaru	3	21	0	0	167	0	0	0	3	0	0	0	0	194
	Demudok/Rambai	27	0	0	0	46	0	17	1	3	0	0	0	0	94
	Kurau/Senangin/Senohong	1	0	0	0	6	0	0	0	1	0	0	0	0	8
	Pelata/Selar	9	6	1	0	9	46	0	0	0	0	0	0	0	71
	Selar Kuning/Lolong	5	9	1	0	2	87	0	0	0	0	0	0	0	104
	Selayang/Curut	10	10	1	0	4	91	0	0	0	0	0	0	0	116
	Pisang-Pisang	0	0	0	0	0	17	0	0	0	0	0	0	0	17
	Talang	0	1	0	0	46	0	1	2	2	0	0	0	0	52
35	Bilis/Bunga Air	0	1	3	0	0	0	0	0	0	0	0	0	12	16
	Parang-Parang	0	0	0	0	46	0	0	0	0	0	0	0	0	46
	Tamban	0	24	1	0	1	92	0	0	0	0	0	0	0	118
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	0	5	0	0	216	1	0	0	80	0	0	0	0	302
	Layaran/Mersuji	0	0	0	0	8	0	0	0	0	0	0	0	0	8
37	Kembong/Temenong/Pelaling	7	117	1	0	244	79	0	0	4	0	0	0	0	452
	Tenggiri	0	3	0	0	428	2	0	0	129	0	0	0	0	562
	Timah/Layor/Selayor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Pari	51	0	0	0	19	0	9	0	0	0	0	0	1	80
	Yu	41	0	0	0	143	0	1	0	0	0	0	0	0	185
39	Ikan Baja	98	0	0	0	0	0	0	0	0	0	0	0	0	98
	Ikan Campur	82	0	0	0	49	0	22	2	30	0	0	0	0	185
	Jebong	11	0	0	0	16	0	2	2	1	0	0	0	0	32
42	Ketam	35	0	0	0	9	0	8	0	0	0	0	0	0	52
45	Udang Karang/Lobok	14	0	0	0	0	0	0	0	0	0	0	0	0	14
	Udang Putih	138	0	0	0	0	0	0	0	0	0	0	0	0	138
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	4	0	0	0	0	0	0	0	0	0	0	0	0	4
	Udang Kulit Keras	9	0	0	0	0	0	0	0	0	0	0	0	0	9
	Udang Harimau	19	0	0	0	0	0	0	0	0	0	0	0	0	19
	Lain-Lain Jenis Udang	735	0	0	0	0	0	0	0	0	1	0	3	0	739
	Udang Baring	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kereta	2	0	0	0	0	0	0	0	0	0	0	0	0	2
	Sotong Katak	86	0	0	0	2	0	0	0	0	0	0	0	1	89
	Sotong Biasa	23	0	0	0	1	0	0	0	0	0	0	0	0	24
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	1,713	207	8	0	2,033	439	174	137	2,538	1	0	3	0	7,275

JADUAL (TABLE) 4.7

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN JENIS IKAN, 1991
FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1991

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative no. of fishing units	73,835	17,795	35,526	9,209	6,775	4,530
	Cumulative no. of trips	1,767,744	437,796	514,080	510,792	237,720	67,356
	Cumulative no. of days	16,622,220	4,044,312	8,241,144	2,072,688	1,595,268	668,808
	Cumulative no. of hauls	50,080,656	11,471,592	24,493,116	6,564,852	5,736,144	1,814,952
24	Kebasi/Selangat	858	133	344	329	32	20
	Puput/B. Mata/Tirok	2,705	13	250	1,136	876	430
	Terubok	121	0	0	0	0	121
25	Siakap	6	1	0	2	3	0
31	Lidah	1,556	288	643	340	245	40
	Sebelah	700	13	138	184	214	151
33	Bayan	128	1	103	5	6	13
	Biji Nangka	4,175	12	840	693	1,803	827
	Daun Baharu	197	7	34	90	62	4
	Delah/Pinang-Pinang	50	1	19	3	19	8
	Duri/Pulutan/Utik	4,256	67	818	1,234	1,172	965
	Dengkis/Debam	616	6	171	89	187	163
	Gelama/Tengkerong/Selampai	6,515	664	1,683	2,420	1,506	242
	Gerut-Gerut	441	3	81	172	153	32
	Jenahak	244	1	27	67	79	70
	Kaci	438	3	55	84	124	172
	Kerapu	2,798	46	644	464	1,107	537
	Kerisi	19,889	274	3,066	3,492	8,058	4,999
	Kerisi Bali	1,642	1	96	108	433	1,004
	Kikek	416	3	177	144	52	40
	Malong	1,075	126	446	237	158	108
	Merah	1,917	6	212	274	715	710
	Mengkerong/Conor/Ubi-Ubi	4,981	78	496	723	2,524	1,160
	Remong/Kunyit-Kunyit/Tanda	1,504	17	112	200	559	616
	Semilang	210	3	24	37	96	50
	Shrumbu/Lemah	258	0	8	16	123	111
	Puntong Damar/Bulus	1,290	116	368	308	420	78
	Pasir-Pasir/Timun-Timun	434	7	122	87	64	154
34	Alu-Alu/Kacang-Kacang	1,726	125	294	411	608	288
	Aruan Tasik	318	7	16	97	107	91
	Bawal	2,920	174	1,102	1,136	438	70

Samb. Dari Jadual 4.7
(Cont'd From Table 4.7)

	Belanak/Kedera	231	23	108	87	13	0
	Cermin/Sagai/Cupak	1,353	17	216	239	294	587
	Cencaru	3,360	8	258	1,396	1,183	515
	Demudok/Rambai	1,472	1	52	445	798	176
	Kurau/Senangin/Senohong	199	31	28	93	41	6
	Pelata/Selar	2,699	9	171	857	1,074	588
	Selar Kuning/Lolong	7,421	45	628	1,878	2,830	2,040
	Selayang/Curut	1,600	0	6	215	722	657
	Pisang-Pisang	11	0	1	4	2	4
	Talang	191	5	21	91	69	5
35	Bitis/Bunga Air	145	4	62	45	11	23
	Parang-Parang	1,984	149	368	766	535	166
	Tamban	1,362	6	73	843	387	53
	Bulan-Bulan	12	0	0	2	2	8
36	Aya/Kayu/Tongkol	51	1	0	2	17	31
	Layaran/Mersuji	8	0	3	2	1	2
37	Kembong/Temenong/Pelaling	11,894	6	1,102	5,228	4,370	1,188
	Tenggiri	2,183	90	287	757	703	346
	Timah/Layor/Selayor	2,222	27	314	703	749	429
38	Pari	6,884	548	1,901	1,506	2,051	878
	Yu	1,665	91	250	464	563	297
39	Ikan Baja	228,615	15,620	40,536	62,753	66,103	43,603
	Ikan Campur	21,086	890	3,233	2,804	5,207	8,952
	Jebong	2,385	0	29	351	1,474	531
42	Ketam	2,317	455	893	543	284	142
45	Udang Karang/Lobok	674	83	175	105	127	184
	Udang Putih/Kaki Merah	1,146	313	713	96	24	0
	Udang Minyak	13,814	3,567	10,122	115	10	0
	Udang Merah Ros	1,452	506	945	0	0	1
	Udang Kulit Keras	3,329	1,280	1,888	133	22	6
	Udang Harimau	361	125	133	66	31	6
	Lain-Lain Jenis Udang	17,624	3,729	12,454	987	363	91
	Udang Baring	7	0	5	2	0	0
56	Siput/Kepah/Kupang/Tiram	3	0	0	2	1	0
57	Sotong Kereta	280	65	93	47	40	35
	Sotong Katak	10,936	573	1,592	3,253	3,441	2,077
	Sotong Biasa	28,468	1,065	5,338	8,641	9,289	4,135
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	443,828	31,528	96,387	110,103	124,774	81,036

JADUAL (TABLE) 4.7.1.

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN JENIS IKAN, 1991
FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1991

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative no. of fishing units	55,195	13,756	28,699	6,800	4,762	1,178
	Cumulative no. of trips	1,155,144	267,852	270,792	402,960	190,848	22,692
	Cumulative no. of days	13,158,336	3,238,116	6,995,064	1,561,032	1,141,200	222,924
	Cumulative no. of hauls	39,638,556	9,395,292	19,996,464	5,012,316	4,536,000	698,484
24	Kebasi/Selangat	802	129	315	318	29	11
	Puput/B. Mata/Tirok	2,474	11	248	1,134	873	208
	Terubok	0	0	0	0	0	0
25	Siakap	3	0	0	2	1	0
31	Lidah	1,405	279	589	291	226	20
	Sebelah	259	6	23	86	117	27
33	Bayan	0	0	0	0	0	0
	Biji Nangka	2,148	5	62	310	1,633	138
	Daun Baharu	132	4	6	70	52	0
	Delah/Pinang-Pinang	6	0	0	1	4	1
	Duri/Pulutan/Utik	1,713	22	183	694	609	205
	Dengkis/Debam	157	0	0	26	107	24
	Gelama/Tengkerong/Selampai	5,175	562	1,291	2,030	1,185	107
	Gerut-Gerut	351	2	35	150	147	17
	Jenahak	220	1	15	67	78	59
	Kaci	41	0	0	4	26	11
	Kerapu	1,620	28	172	323	932	165
	Kerisi	10,051	212	728	1,516	6,030	1,565
	Kerisi Bali	358	0	15	30	246	67
	Kikek	90	0	2	51	32	5
	Malong	877	121	409	197	98	52
	Merah	730	0	7	85	493	145
	Mengkerong/Conor/Ubi-Ubi	4,083	74	223	553	2,423	810
	Remong/Kunyit-Kunyit/Tanda	420	0	10	39	331	40
	Semilang	202	3	20	35	96	48
	Shrumbu/Lemah	251	0	4	15	123	109
	Puntong Damar/Bulus	564	53	100	92	304	15
	Pasir-Pasir/Timun-Timun	16	0	1	9	4	2
34	Alu-Alu/Kacang-Kacang	1,055	122	154	252	444	83
	Arvan Tasik	98	0	7	17	55	19
	Bawal	2,798	163	1,085	1,106	408	36

Samb. Dari Jadual 4.7.1...
(Cont'd From Table 4.7.1....)

	Belanak/Kedera	230	23	108	86	13	0
	Cermin/Sagai/Cupak	112	2	12	31	36	31
	Cencaru	2,333	4	241	1,124	817	147
	Demudok/Rambai	1,338	0	30	418	775	115
	Kurau/Senangin/Senohong	172	19	27	82	40	4
	Pelata/Selar	1,599	3	117	602	763	114
	Selar Kuning/Lolong	1,963	0	33	427	1,250	253
	Selayang/Curut	898	0	2	165	637	94
	Pisang-Pisang	7	0	0	3	1	3
	Talang	147	5	20	79	40	3
35	Bilis/Bunga Air	87	4	56	27	0	0
	Parang-Parang	1,550	111	301	640	423	75
	Tamban	1,319	6	69	840	386	18
	Bulan-Bulan	2	0	0	0	1	1
36	Aya/Kayu/Tongkol	5	0	0	0	1	4
	Layaran/Mersuji	1	0	0	0	1	0
37	Kembong/Temenong/Pelaling	10,610	1	1,064	4,886	3,936	723
	Tenggiri	1,439	72	242	557	479	89
	Timah/Layor/Selayor	1,852	25	250	632	641	304
38	Pari	3,298	318	701	562	1,343	374
	Yu	683	42	68	194	322	57
39	Ilkan Baja	124,402	7,895	25,251	38,727	39,718	12,811
	Ilkan Campur	10,440	754	1,742	1,475	3,566	2,903
	Jebong	1,813	0	5	287	1,339	182
42	Ketam	1,462	303	647	381	125	6
45	Udang Karang/Lobok	26	1	3	6	13	3
	Udang Putih/Kaki Merah	917	254	577	71	15	0
	Udang Minyak	13,054	3,245	9,741	67	1	0
	Udang Merah Ros	1,381	467	914	0	0	0
	Udang Kulit Keras	2,447	926	1,514	7	0	0
	Udang Harimau	101	1	54	22	18	6
	Lain-Lain Jenis Udang	15,807	3,295	11,579	705	176	52
	Udang Baring	7	0	5	2	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	188	60	81	33	12	2
	Sotong Katak	4,488	172	687	1,577	1,641	411
	Sotong Biasa	14,999	714	2,041	5,182	5,939	1,123
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	259,276	20,519	63,886	69,400	81,574	23,897

JADUAL (TABLE) 4.7.2

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN JENIS IKAN, 1991
FISHING EFFORTS AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1991

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative no. of fishing units	18,640	4,039	6,827	2,409	2,013	3,352
	Cumulative no. of trips	612,600	169,944	243,288	107,832	46,872	44,664
	Cumulative no. of days	3,463,884	806,196	1,246,080	511,656	454,068	445,884
	Cumulative no. of hauls	10,442,100	2,076,300	4,496,652	1,552,536	1,200,144	1,116,468
24	Kebasi/Selangat	56	4	29	11	3	9
	Puput/B. Mata/Tirok	231	2	2	2	3	222
	Terubok	121	0	0	0	0	121
25	Siakap	3	1	0	0	2	0
31	Lidah	151	9	54	49	19	20
	Sebelah	441	7	115	98	97	124
33	Bayan	128	1	103	5	6	13
	Biji Nangka	2,027	7	778	383	170	689
	Daun Baharu	65	3	28	20	10	4
	Delah/Pinang-Pinang	44	1	19	2	15	7
	Duri/Pulutan/Utik	2,543	45	635	540	563	760
	Dengkis/Debam	459	6	171	63	80	139
	Gelama/Tengkerong/Selampai	1,340	102	392	390	321	135
	Gerut-Gerut	90	1	46	22	6	15
	Jenahak	24	0	12	0	1	11
	Kaci	397	3	55	80	98	161
	Kerapu	1,178	18	472	141	175	372
	Kerisi	9,838	62	2,338	1,976	2,028	3,434
	Kerisi Bali	1,284	1	81	78	187	937
	Kikek	326	3	175	93	20	35
	Malong	198	5	37	40	60	56
	Merah	1,187	6	205	189	222	565
	Mengkerong/Conor/Ubi-Ubi	898	4	273	170	101	350
	Remong/Kunyit-Kunyit/Tanda	1,084	17	102	161	228	576
	Semilang	8	0	4	2	0	2
	Shrumbu/Lemah	7	0	4	1	0	2
	Puntong Damar/Bulus	726	63	268	216	116	63
	Pasir-Pasir/Timun-Timun	418	7	121	78	60	152
34	Alu-Alu/Kacang-Kacang	671	3	140	159	164	205
	Aruan Tasik	220	7	9	80	52	72
	Bawal	122	11	17	30	30	34

Samb. Dari Jadual 4.7.2...
(Cont'd From Table 4.7.2...)

	Belanak/Kedera	1	0	0	1	0	0
	Cermin/Sagai/Cupak	1,241	15	204	208	258	556
	Cencaru	1,027	4	17	272	366	368
	Demudok/Rambai	134	1	22	27	23	61
	Kurau/Senangin/Senohong	27	12	1	11	1	2
	Pelata/Selar	1,100	6	54	255	311	474
	Selar Kuning/Lolong	5,458	45	595	1,451	1,580	1,787
	Selayang/Curut	702	0	4	50	85	563
	Pisang-Pisang	4	0	1	1	1	1
	Talang	44	0	1	12	29	2
35	Bitis/Bunga Air	58	0	6	18	11	23
	Parang-Parang	434	38	67	126	112	91
	Tamban	43	0	4	3	1	35
	Bulan-Bulan	10	0	0	2	1	7
36	Aya/Kayu/Tongkol	46	1	0	2	16	27
	Layaran/Mersuji	7	0	3	2	0	2
37	Kembong/Temenong/Pelaling	1,284	5	38	342	434	465
	Tenggiri	744	18	45	200	224	257
	Timah/Layor/Selayor	370	2	64	71	108	125
38	Pari	3,586	230	1,200	944	708	504
	Yu	982	49	182	270	241	240
39	Ikan Baja	104,213	7,725	15,285	24,026	26,385	30,792
	Ikan Campur	10,646	136	1,491	1,329	1,641	6,049
	Jebong	572	0	24	64	135	349
42	Ketam	855	152	246	162	159	136
45	Udang Karang/Lobok	648	82	172	99	114	181
	Udang Putih/Kaki Merah	229	59	136	25	9	0
	Udang Minyak	760	322	381	48	9	0
	Udang Merah Ros	71	39	31	0	0	1
	Udang Kulit Keras	882	354	374	126	22	6
	Udang Harimau	260	124	79	44	13	0
	Lain-Lain Jenis Udang	1,817	434	875	282	187	39
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	3	0	0	2	1	0
57	Sotong Kereta	92	5	12	14	28	33
	Sotong Katak	6,448	401	905	1,676	1,800	1,666
	Sotong Biasa	13,469	351	3,297	3,459	3,350	3,012
76	Ubur-Ubur	0	0	0	0	0	0
		0					
	Jumlah Tan M/Total Tonnes	184,552	11,009	32,501	40,703	43,200	57,139

JADUAL (TABLE) 4.8

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1991
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1991

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative fishing units	6,541	81	860	1,228	2,431	1,941
	Cumulative No. of trips	830,628	13,428	139,632	297,408	336,492	43,668
	Cumulative No. of days	1,082,424	13,428	146,388	258,564	473,052	190,992
	Cumulative No. of hauls	2,286,960	38,172	410,412	567,600	1,023,372	247,404
24	Kebasi/Selangat	425	72	10	342	0	1
	Puput/B. Mata/Tirok	186	0	0	12	174	0
	Terubok	1	0	0	0	0	1
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Dauk Baharu	1	0	0	0	0	1
	Delah/Pinang-Pinang	1	0	0	1	0	0
	Duri/Pulutan/Utik	165	0	24	134	7	0
	Dengkis/Debam	2	0	2	0	0	0
	Gelama/Tengkerong/Selampai	0	0	0	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	3	0	0	0	0	3
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	1	0	0	0	0	1
	Kerisi Bali	0	0	0	0	0	0
	Kikek	9	0	2	1	1	5
	Malong	0	0	0	0	0	0
	Merah	22	0	0	0	19	3
	Mengkerong/Conor/Ubi-Ubi	6	0	0	0	0	6
	Remong/Kunyit-Kunyit/Tanda	1	0	0	0	0	1
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	92	0	36	11	36	9
	Aruan Tasik	4	0	0	0	4	0
	Bawal	487	0	54	21	322	90

Samb. Dari Jadual 4.8
(Cont'd From Table 4.8.)

	Belanak/Kedera	374	344	1	28	0	1
	Cermin/Sagai/Cupak	99	0	46	18	9	26
	Cencaru	2,473	0	110	150	1,541	672
	Demudok/Rambai	172	0	50	26	63	33
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	7,209	0	1,658	1,886	3,039	626
	Selar Kuning/Lolong	10,119	0	1,479	1,965	4,269	2,406
	Selayang/Curut	43,903	0	3,773	6,857	16,173	17,100
	Pisang-Pisang	1,085	0	0	15	856	214
	Talang	45	0	1	6	18	20
35	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	0	0	0	0	0	0
	Tamban	11,194	0	1,757	3,106	5,231	1,100
	Bulan-Bulan	2	0	2	0	0	0
36	Aya/Kayu/Tongkol	8,856	0	745	1,076	4,114	2,921
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	23,986	147	1,975	6,531	12,446	2,887
	Tenggiri	326	0	19	73	143	91
	Timah/Layor/Selayor	35	0	2	11	11	11
38	Pari	0	0	0	0	0	0
	Yu	7	0	0	0	7	0
39	Ikan Baja	3,381	487	236	1,079	311	1,268
	Ikan Campur	878	0	193	206	100	379
	Jebong	0	0	0	0	0	0
42	Ketam	3	0	0	0	0	3
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih/Kaki Merah	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-Lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	500	0	204	110	158	28
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	116,053	1,050	12,379	23,665	49,052	29,907

JADUAL (TABLE) 4.8.1

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1991
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1991

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative fishing units	2,707	81	42	645	1,261	678
	Cumulative No. of trips	390,348	13,428	8,688	161,976	191,796	14,460
	Cumulative No. of days	516,792	13,428	8,544	149,340	274,668	70,812
	Cumulative No. of hauls	677,988	38,172	23,832	203,220	370,980	41,784
24	Kebasi/Selangat	424	72	10	342	0	0
	Puput/B. Mata/Tirok	186	0	0	12	174	0
	Terubok	1	0	0	0	0	1
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	1	0	0	0	0	1
	Delah/Pinang-Pinang	0	0	0	0	0	0
	Duri/Pulutan/Utik	70	0	0	70	0	0
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	0	0	0	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	3	0	0	0	0	3
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	4	0	0	0	0	4
	Malong	0	0	0	0	0	0
	Merah	7	0	0	0	4	3
	Mengkerong/Conor/Ubi-Ubi	6	0	0	0	0	6
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	11	0	0	0	7	4
	Aruan Tasik	0	0	0	0	0	0
	Bawal	85	0	0	14	70	1

Samb. Dari Jadual 4.8.1...
(Cont'd From Table 4.8.1...)

	Belanak/Kedera	373	344	1	28	0	0
	Cermin/Sagai/Cupak	22	0	0	0	0	22
	Cencaru	1,668	0	0	81	1,257	330
	Demudok/Rambai	56	0	0	0	53	3
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	1,118	0	0	115	842	161
	Selar Kuning/Lolong	771	0	0	0	480	291
	Selayang/Curut	5,744	0	0	1,123	3,672	949
	Pisang-Pisang	499	0	0	14	271	214
	Talang	38	0	0	2	17	19
35	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	0	0	0	0	0	0
	Tamban	3,832	0	36	1,241	2,119	436
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	4,835	0	17	664	3,129	1,025
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	11,940	147	128	3,567	7,062	1,036
	Tenggiri	222	0	0	72	101	49
	Timah/Layor/Selayor	31	0	0	11	10	10
38	Pari	0	0	0	0	0	0
	Yu	7	0	0	0	7	0
39	Ikan Baja	2,958	487	224	1,065	301	881
	Ikan Campur	386	0	0	186	73	127
	Jebong	0	0	0	0	0	0
42	Ketam	1	0	0	0	0	1
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih/Kaki Merah	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-Lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	75	0	0	10	39	26
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	35,374	1,050	416	8,617	19,688	5,603

JADUAL (TABLE) 4.8.2.

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1991
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1991

ISSCAAP GROUP NO.	Usaha Menangkap Ikan Fishing Effort	Jumlah Total	Kelas Muatan/Tonnage Class				
			0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons & above
	Cumulative fishing units	3,834	0	818	583	1,170	1,263
	Cumulative No. of trips	440,280	0	130,944	135,432	144,696	29,208
	Cumulative No. of days	565,632	0	137,844	109,224	198,384	120,180
	Cumulative No. of hauls	1,608,972	0	386,580	364,380	652,392	205,620
24	Kebasi/Selangat	1	0	0	0	0	1
	Puput/B. Mata/Tirok	0	0	0	0	0	0
	Terubok	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	1	0	0	1	0	0
	Duri/Pulutan/Utik	95	0	24	64	7	0
	Dengkis/Debam	2	0	2	0	0	0
	Gelama/Tengkerong/Selampai	0	0	0	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	0	0	0	0	0	0
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	1	0	0	0	0	1
	Kerisi Bali	0	0	0	0	0	0
	Kikek	5	0	2	1	1	1
	Malong	0	0	0	0	0	0
	Merah	15	0	0	0	15	0
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	1	0	0	0	0	1
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntong Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	81	0	36	11	29	5
	Arvan Tasik	4	0	0	0	4	0
	Bawal	402	0	54	7	252	89

Samb. Dari Jadual 4.8.2..
(Cont'd From Table 4.8.2..)

	Belanak/Kedera	1	0	0	0	0	1
	Cermin/Sagai/Cupak	77	0	46	18	9	4
	Cencaru	805	0	110	69	284	342
	Demudok/Rambai	116	0	50	26	10	30
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	6,091	0	1,658	1,771	2,197	465
	Selar Kuning/Lolong	9,348	0	1,479	1,965	3,789	2,115
	Selayang/Curut	38,159	0	3,773	5,734	12,501	16,151
	Pisang-Pisang	586	0	0	1	585	0
	Talang	7	0	1	4	1	1
35	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	0	0	0	0	0	0
	Tamban	7,362	0	1,721	1,865	3,112	664
	Bulan-Bulan	2	0	2	0	0	0
36	Aya/Kayu/Tongkol	4,021	0	728	412	985	1,896
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	12,046	0	1,847	2,964	5,384	1,851
	Tenggiri	104	0	19	1	42	42
	Timah/Layor/Selayor	4	0	2	0	1	1
38	Pari	0	0	0	0	0	0
	Yu	0	0	0	0	0	0
39	Ikan Baja	423	0	12	14	10	387
	Ikan Campur	492	0	193	20	27	252
	Jebong	0	0	0	0	0	0
42	Kelam	2	0	0	0	0	2
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih/Kaki Merah	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-Lain Jenis Udang	0	0	0	0	0	0
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	425	0	204	100	119	2
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	80,679	0	11,963	15,048	29,364	24,304

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN: BILANGAN TRIP MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI DALAM TAHUN, 1991
 FISHING EFFORT: NUMBER OF TRIPS BY TYPE OF GEAR AND BY STATE IN 1991

JADUAL (TABLE) 5.1

Jenis Perkakas	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Pukat Hanyut	Pukat Tangguk	Perangkap-Perangkap Traps		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampaian		
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Bilis Purse Seine-Anchovy							Lain-Lain Tarik	Belat-Belat							Bubu	
Type of Gear	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	Other Seines	Drift/Gill Nets	Lift Nets	Station-ary	Portable	Hooks & Lines	Bag Nets	Barrier Nets	Push/Scoop Nets	Shellfish Collection	Miscell-aneous	
Negeri/State																											
Perlis	6,930	6,525	2,095	0	47	0	0	8,820	1,616	873	0	0	0	0	0	2,424	13,749	0	0	0	576	0	777	2,880	210	3,050	
Kedah	6,864	7,571	5,004	3,858	583	0	0	0	2,140	99	0	0	0	1,513	7,660	6,998	15,192	0	312	642	5,393	5,634	2,981	2,156	0	5,040	
P.Pinang/ Penang	0	0	8,820	2,033	122	0	574	3,292	1,986	25	0	0	0	0	0	19,011	17,213	0	0	479	8,984	2,662	7,325	2,383	715	3,145	
Perak	867	0	8,562	3,853	1,060	1,119	150	421	6,948	208	0	0	0	8,752	0	8,570	33,952	0	0	4,900	15,870	4,473	7,175	10,748	7,805	9,334	
Selangor	800	0	7,082	6,160	79	0	0	965	3,293	0	0	0	0	0	0	6,699	48,507	0	9,415	9,425	7,277	12,329	5,695	4,585	8,410	4,071	
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	606	20,282	0	0	774	2,307	0	0	0	0	630	
Melaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	957	30,232	0	480	172	6,335	0	276	6,676	1,017	1,062	
Johor Barat/ West Johore	6,860	8,470	2,017	0	0	0	0	0	0	0	0	0	0	0	0	1,132	29,514	0	8,076	991	2,261	4,080	864	1,182	0	6,335	
Kelantan	0	4,470	1,242	140	160	0	0	1,990	2,245	687	840	1,680	315	0	0	175	10,680	7,403	5,678	775	7,933	0	0	0	0	4,585	
Terengganu	2,806	4,623	2,095	63	563	0	4,928	4,014	4,219	1,176	577	1,561	0	0	0	0	6,485	5,022	0	6,865	7,119	0	0	0	0	0	
Pahang	6,134	6,599	3,646	2,408	1,816	0	3,044	3,029	1,234	267	0	2,852	2,958	2,673	0	0	16,276	4,508	0	5,896	4,595	0	0	0	0	0	
Johor Timur/ East Johore	5,222	4,582	2,003	1,295	1,183	0	2,940	2,253	4,360	304	0	0	0	0	0	678	21,285	0	12,159	1,290	4,824	10,738	0	0	0	240	

* GRT - Gross Relative Tonnage

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN: BILANGAN HARI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI DALAM TAHUN, 1991
FISHING EFFORT: NUMBER OF DAYS BY TYPE OF GEAR AND BY STATE IN 1991

JADUAL (TABLE) 5.2

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Pukat Manyut Drift/ Gill Nets	Pukat Tangguk Lift Nets	Perangkap- Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/ Scoop Nets	Memungut Siput Shellfish Collection	Rampai- neous Miscella- neous	
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Bilis Purse Seine-Anchovy							Lain- Lain Tarik Other Seines	Belat- Belat Station- ary							Bubu Portable
	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above	0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & above			Other Seines	Station- ary							Portable
Negeri/State																										
Perlis	69,740	56,117	10,056	0	328	0	0	8,820	10,416	5,189	0	0	0	0	0	2,485	80,716	0	0	1,152	0	777	3,076	210	1,691	
Kedah	40,901	43,216	39,235	22,776	2,768	0	0	0	2,140	429	0	0	0	1,747	11,129	10,975	211,523	0	650	866	10,863	13,897	3,790	2,428	0	12,178
P.Pinang/ Penang	0	0	20,461	2,009	300	0	562	3,009	1,838	25	0	0	0	0	0	38,618	392,798	0	0	899	17,734	16,133	25,336	2,361	715	3,117
Perak	61,844	321,029	26,780	57,775	14,805	1,119	150	479	7,213	258	0	0	0	4,246	0	121,546	368,274	0	0	12,124	46,702	15,290	15,170	32,808	9,430	30,562
Selangor	83,719	114,768	32,232	12,540	376	0	0	137	1,282	0	0	0	0	0	0	3,929	260,247	0	3,288	5,932	27,725	33,649	4,578	6,819	5,053	6,613
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	606	34,436	0	0	781	2,307	0	0	0	0	630
Melaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	885	128,392	0	480	219	19,367	0	276	33,118	1,017	1,062
Jahor Barat/ West Johore	13,639	47,792	1,322	0	0	0	0	0	0	0	0	0	0	0	0	518	269,898	0	3,016	810	1,149	5,433	459	554	0	14,327
Kelantan	0	16,384	3,724	598	2,978	0	0	1,314	2,416	1,922	312	606	126	0	0	50	39,458	5,484	15,287	2,057	28,743	0	0	0	0	8,915
Terengganu	3,623	56,975	5,216	247	5,093	0	10,057	6,522	6,963	4,712	744	3,583	0	0	0	0	38,714	6,393	0	38,145	157,926	0	0	0	0	0
Pahang	49,584	17,493	15,819	13,674	19,536	0	438	554	3,350	2,928	0	1,783	275	268	0	0	43,022	1,989	0	10,708	30,555	0	0	0	0	0
Jahor Timur/ East Johore	13,976	12,988	17,879	23,320	9,550	0	992	712	3,803	453	0	0	0	0	0	113	50,761	0	13,006	2,771	23,398	14,481	0	0	0	260

* GRT - Gross Relative Tonnage

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN: BILANGAN KALI MEMUKAT IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI DALAM TAHUN, 1991
 FISHING EFFORT: NUMBER OF HAULS BY TYPE OF GEAR AND BY STATE IN 1991

JADUAL (TABLE) 5.3

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Pukat Manyut Drift/ Gill Nets	Pukat Tangguk Lift Nets	Perangkap- Perangkap Traps		Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/ Scoop	Memungut Siput Shellfish Collection	Rampaian Miscellane- ous	
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Bilis Purse Seine-Anchovy							Lain- Lain Tarik Other Seines	Belat- Belat Station- ary							Bubu Portable
	0-9.9	10-24.9	25-39.9	40-69.9	70 GRT	0-9.9	10-24.9	25-39.9	40-69.9	70 GRT	0-9.9	10-24.9	25-39.9	40-69.9	70 GRT											
Negeri/State																										
Perlis	209,220	193,220	27,940	0	778	0	0	8,820	5,072	2,693	0	0	0	0	0	2,485	190,729	0	0	0	1,872	0	1,509	2,740	35,700	3,050
Kedah	122,703	129,648	139,912	73,089	8,553	0	0	0	3,790	296	0	0	0	2,935	19,348	108,052	390,247	0	650	1,012	732	27,443	3,790	3,104	0	0
P.Pinang/ Penang	0	0	61,383	6,423	1,317	0	1,686	6,941	4,478	25	0	0	0	0	0	697,162	1,043,010	0	0	539	17,734	29,258	25,336	10,060	715	3,117
Perak	180,695	931,704	99,704	193,088	46,525	3,181	300	955	15,271	468	0	0	0	35,889	0	264,692	1,070,062	0	0	0	0	20,016	35,742	195,688	0	0
Selangor	244,661	315,954	86,110	35,400	1,034	0	0	219	2,304	0	0	0	0	0	0	56,892	778,182	0	6,431	9,994	128,375	134,596	4,578	119,294	116,686	24,452
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,777	83,609	0	0	5,462	2,307	0	0	0	0	2,190
Melaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,150	204,381	0	480	1,061	19,367	0	276	0	0	3,825
Johor Barat/ West Johore	25,662	95,846	2,644	0	0	0	0	0	0	0	0	0	0	0	0	3,508	752,020	0	4,592	48	764	13,822	459	4,432	0	0
Kelantan	0	68,939	9,885	1,983	4,246	0	0	1,959	3,848	2,015	814	2,820	504	0	0	150	126,693	17,507	17,762	1,120	0	0	0	0	0	32,350
Terengganu	10,581	227,329	28,296	2,001	12,231	0	30,171	26,346	37,650	10,188	2,245	11,913	0	0	0	0	102,687	19,176	0	0	0	0	0	0	0	0
Pahang	137,136	49,239	48,799	49,222	55,130	0	1,206	1,493	9,523	4,520	0	4,088	735	714	0	0	123,469	3,965	0	0	0	0	0	0	0	0
Johor Timur/ East Johore	25,308	29,214	42,398	46,806	21,432	0	838	567	3,345	412	0	0	0	0	0	101	92,987	0	7,476	0	0	8,160	0	0	0	0

* GRT - Gross Relative Tonnage

SEMANANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA PURATA IKAN DIPANTAI MENGIKUT BULAN, 1991
MONTHLY AVERAGE EX-VESSEL PRICES OF FRESH FISH, 1991
(Harga Dalam \$/Kg/Prices At \$/Kg)

JADUAL (TABLE) 6.1

Jenis-Jenis Ikan <i>Species</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Purata 1991 <i>Average 1991</i>
Bawal Putih	11.15	12.28	12.33	12.30	13.21	12.17	14.19	15.09	12.38	13.90	14.09	14.75	12.14
Bawal Hitam	4.84	5.89	6.09	6.85	5.50	5.56	5.43	6.23	5.31	5.71	6.34	6.51	5.86
Kerapu	4.99	5.64	5.82	6.87	5.54	5.63	5.48	5.82	5.83	6.78	6.70	7.00	6.01
Tenggiri	5.51	6.38	5.59	6.42	5.46	5.75	5.71	5.95	5.41	5.49	6.01	5.37	5.75
Jenahak	5.33	5.36	6.56	7.43	6.13	5.94	5.78	6.73	6.35	6.36	6.37	6.39	6.23
Merah	4.28	4.72	4.31	5.49	4.51	4.07	4.55	4.25	4.13	4.06	4.24	4.33	4.41
Kaci	2.07	2.38	2.30	2.70	2.24	2.33	2.43	2.43	2.32	3.07	3.35	3.72	2.61
Cermin	2.76	3.28	2.57	2.59	2.62	3.10	2.54	2.79	2.91	2.80	2.63	2.89	2.79
Gelama	1.19	1.19	1.31	1.40	1.06	1.08	1.12	1.07	1.19	1.16	1.18	1.24	1.18
Kembong	2.58	3.72	2.37	3.04	2.28	2.68	2.69	2.83	2.43	2.50	2.59	2.56	2.69
Kerisi	1.53	1.77	1.75	2.28	1.68	1.65	1.69	1.78	1.71	1.76	1.88	1.86	1.78
Selayang	0.72	1.25	0.69	0.91	0.85	1.18	1.04	0.92	0.58	0.59	0.96	0.79	0.87
Tamban	0.29	0.46	0.45	0.34	0.35	0.50	0.45	0.58	0.42	0.36	0.38	0.35	0.41
Selar/Pelata	1.34	1.63	1.39	1.46	1.35	1.42	1.39	1.41	1.35	1.37	1.21	1.59	1.41
Sotong	2.07	2.18	2.23	2.71	1.96	2.10	2.06	2.05	2.09	2.12	2.16	2.11	2.15
Aya/Tongkol	1.08	1.22	0.90	0.95	0.91	0.98	0.89	0.78	0.98	0.61	0.61	0.76	0.89
Udang Putih	18.36	20.42	20.99	20.86	18.78	17.95	17.99	20.14	17.65	17.65	17.85	17.34	18.83
Udang Harimau	19.59	20.08	19.04	20.24	18.80	17.92	18.95	18.22	17.73	18.33	18.36	18.01	18.77
Lain-Lain Udang	3.20	3.47	3.59	3.27	3.27	3.24	3.22	4.20	3.10	3.09	3.06	2.87	3.30

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA BORONG PURATA IKAN BASAH DIPASAR MENGIKUT BULAN, 1991
MONTHLY AVERAGE WHOLESALE PRICES OF FRESH FISH AT MARKET, 1991
(Harga Dalam \$/Kg/Prices At \$/Kg)

JADUAL (TABLE) 6.2

Jenis-Jenis Ikan <i>Species</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Purata 1991 <i>Average 1991</i>
Bawal Putih	12.79	12.50	13.42	12.64	14.70	13.25	15.26	15.74	13.84	14.58	14.78	15.69	14.10
Bawal Hitam	5.97	6.49	6.92	7.22	6.28	6.45	6.27	6.26	6.11	6.52	6.84	7.18	6.54
Kerapu	6.62	7.15	7.98	8.07	6.93	6.99	6.45	7.42	7.14	7.88	7.82	7.85	7.36
Tenggiri	5.85	6.70	6.16	7.07	6.49	6.83	6.55	7.59	7.04	6.73	7.44	6.87	6.78
Jenahak	6.45	6.14	7.42	7.82	6.93	6.91	6.97	7.98	7.11	6.99	7.38	7.23	7.11
Merah	5.10	5.33	5.46	5.88	5.23	5.29	4.69	5.21	4.78	4.97	5.48	5.57	5.25
Kaci	2.86	2.80	3.06	3.24	2.95	2.96	2.87	3.09	2.92	3.13	3.36	3.73	3.08
Cermin	3.38	3.61	3.04	3.03	3.22	3.64	3.64	3.63	4.18	3.29	3.64	3.50	3.48
Gelama	1.74	1.55	1.71	1.89	1.57	1.87	1.72	1.52	1.66	1.81	1.81	1.92	1.73
Kembong	3.13	4.16	3.54	3.64	3.19	3.93	3.55	3.63	3.41	3.31	3.55	3.63	3.56
Kerisi	2.17	2.24	2.58	2.59	2.20	2.17	2.22	2.61	2.35	2.35	2.54	2.64	2.39
Selayang	1.30	1.64	1.17	1.44	1.29	2.26	1.49	1.48	1.09	1.07	1.70	1.66	1.47
Tamban	0.41	0.59	0.70	0.57	0.49	0.68	0.60	0.80	0.64	1.10	1.11	0.67	0.70
Selar/Pelata	1.86	1.87	2.03	2.11	1.85	1.91	2.00	1.87	2.00	1.82	1.72	2.21	1.94
Sotong	2.57	2.67	2.83	2.92	2.52	2.66	2.53	2.43	2.50	2.62	2.72	2.71	2.64
Aya/Tongkol	1.29	1.51	1.14	1.22	1.30	1.48	1.27	1.21	1.42	1.54	1.28	1.65	1.36
Udang Putih	19.67	21.78	22.28	21.75	20.60	19.03	20.39	22.13	20.10	19.80	20.53	20.46	20.71
Udang Harimau	17.14	22.37	18.96	22.44	21.56	20.70	21.77	22.99	20.02	22.29	22.58	23.10	21.33
Lain-Lain Udang	3.68	3.58	4.07	3.67	3.96	3.72	3.86	5.08	3.74	3.80	3.67	3.78	3.88

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA RUNCIT PURATA IKAN BASAH DIPASAR MENGIKUT BULAN, 1991
MONTHLY AVERAGE RETAIL PRICES OF FRESH FISH AT MARKET, 1991
(Harga Dalam \$/Kg/Prices At \$/Kg)

JADUAL (TABLE) 6.3

Jenis-Jenis Ikan Species	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata 1991 Average 1991
Bawal Putih	14.44	15.00	14.95	13.65	16.59	14.88	16.79	17.31	15.55	16.18	16.37	17.15	15.74
Bawal Hitam	6.99	7.02	7.47	7.88	7.84	8.01	7.63	7.42	7.32	7.72	8.26	8.99	7.71
Kerapu	8.48	9.05	9.11	9.31	9.18	9.08	8.62	8.13	8.86	10.05	10.07	10.01	9.16
Tenggiri	7.24	7.58	7.26	7.92	7.77	8.35	8.09	8.37	8.33	8.72	9.17	8.37	8.10
Jenahak	7.74	7.56	8.20	8.22	8.41	8.50	8.41	9.15	8.34	8.28	8.65	8.51	8.33
Merah	5.95	5.91	6.14	6.51	6.75	6.91	6.04	5.85	5.94	6.10	6.84	7.01	6.33
Kaci	3.53	3.83	3.74	3.90	3.92	3.87	3.64	3.72	3.59	4.05	4.11	4.82	3.89
Cermin	4.33	4.73	3.96	4.05	4.39	4.80	4.80	3.76	4.98	4.34	4.71	4.89	4.48
Gelama	2.45	2.33	2.29	2.41	2.45	2.76	2.55	2.21	2.89	2.76	2.68	2.77	2.55
Kembong	3.84	4.37	4.10	4.32	4.23	5.24	4.81	4.38	4.39	4.34	4.72	4.81	4.46
Kerisi	3.10	3.10	3.10	3.03	3.28	3.13	3.19	2.93	3.14	3.38	3.77	3.77	3.24
Selayang	1.66	1.84	1.62	1.63	1.96	2.85	2.07	1.93	2.19	1.59	2.27	2.36	2.00
Tamban	0.62	0.82	1.00	0.77	0.76	0.95	0.87	1.10	0.94	1.53	1.66	0.98	1.00
Selar/Pelata	2.40	2.41	2.41	2.41	2.42	2.52	2.63	2.31	3.25	2.36	2.21	3.03	2.53
Sotong	3.32	3.51	3.31	3.40	3.18	3.36	3.17	3.01	3.30	3.50	3.71	3.55	3.36
Aya/Tongkol	1.67	1.52	1.62	1.65	1.76	2.06	1.76	1.43	1.95	1.79	1.76	2.21	1.77
Udang Putih	21.78	23.86	23.63	22.96	23.28	21.84	23.50	23.88	22.11	22.21	23.03	23.40	22.96
Udang Harimau	25.62	26.00	24.64	25.18	24.98	24.03	24.98	24.28	22.99	25.23	25.61	26.25	24.98
Lain-Lain Udang	4.35	4.23	4.49	4.00	4.88	4.43	4.69	5.81	4.45	4.53	4.35	4.56	4.56

SARAWAK
HARGA BORONG PURATA IKAN BASAH DIPASAR MENGIKUT DAERAH, 1991
AVERAGE WHOLESALE PRICES OF FRESH FISH AT MARKET BY DISTRICTS, 1991
(Harga Dalam \$/Kg/Prices At \$/Kg)

Jadual (Table) 6.4

Jenis-Jenis Ikan Species	Kuching	Btg. Lupar	Sarikei	Sibu	Mukah	Miri	Bintulu	Limbang	Lawas	Purata 1991 Average 1991
Bawal Putih	12.70	12.00	9.72	10.00	0.00	13.13	16.18	0.00	0.00	12.29
Bawal Hitam	7.10	6.53	6.31	6.20	3.00	7.13	6.56	5.00	5.00	5.87
Kerapu	7.43	0.00	3.50	4.15	0.00	5.44	3.25	5.00	5.00	4.82
Tenggiri	4.88	5.54	3.93	3.58	3.00	5.00	3.41	5.00	4.00	4.26
Jenahak	0.00	0.00	3.39	3.12	0.00	4.50	2.50	0.00	0.00	3.38
Merah	7.20	4.40	3.27	2.32	2.00	4.00	2.66	5.00	5.00	3.98
Kaci	1.95	0.00	1.27	1.30	0.00	0.00	0.00	0.00	0.00	1.51
Cermin	2.40	0.00	3.80	2.00	0.00	3.50	0.00	0.00	0.00	2.93
Gelama	1.94	4.01	2.61	1.14	1.75	1.85	0.72	2.00	2.00	2.00
Kembong	2.93	2.00	2.24	1.82	2.50	4.00	2.00	3.36	3.60	2.72
Kerisi	2.08	0.00	1.07	1.49	2.25	1.00	0.35	0.00	2.36	1.51
Selayang	0.00	0.00	0.00	0.00	0.00	0.50	1.50	0.00	0.00	1.00
Tamban	1.75	0.00	0.58	0.75	0.00	0.00	1.10	2.00	2.00	1.36
Selar/Pelata	3.09	3.23	2.10	1.42	0.00	2.00	1.90	0.00	0.00	2.29
Sotong	2.41	3.10	1.93	1.46	2.00	1.90	3.07	2.00	2.00	2.21
Aya/Tongkol	2.78	2.95	2.77	1.69	2.00	3.00	2.26	3.31	4.00	2.75
Udang Putih	10.36	7.00	7.19	7.78	0.00	6.69	0.00	9.00	9.00	8.15
Udang Harimau Sedang	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	16.00
Lain-Lain Udang	3.38	6.02	4.84	6.24	3.75	3.58	6.28	14.00	14.00	6.90

SARAWAK
HARGA RUNCIT PURATA IKAN BASAH DIPASAR MENGIKUT DAERAH, 1991
AVERAGE RETAIL PRICES OF FRESH FISH AT MARKET BY DISTRICTS, 1991
(Harga Dalam \$/Kg/Prices At \$/Kg)

Jadual (Table) 6.5

Jenis-Jenis Ikan Species	Kuching	Btg. Lupar	Sarikei	Sibu	Mukah	Miri	Bintulu	Limbang	Lawas	Purata 1991 Average 1991
Bawal Putih	18.26	15.00	11.00	12.00	0.00	19.00	19.79	0.00	0.00	15.84
Bawal Hitam	8.59	9.00	7.89	8.51	5.25	10.00	10.79	8.00	8.00	8.45
Kerapu	10.38	0.00	6.88	7.20	0.00	8.50	5.63	8.00	8.00	7.80
Tenggiri	6.81	6.52	5.67	5.87	6.00	8.00	6.02	8.50	7.23	6.74
Jenahak	0.00	0.00	4.75	4.00	0.00	7.25	5.29	0.00	0.00	5.32
Merah	9.82	6.50	4.67	4.15	4.00	7.29	4.90	8.00	8.00	6.37
Kaci	2.54	0.00	3.70	3.00	0.00	0.00	0.00	0.00	0.00	3.08
Cermin	3.60	0.00	5.10	4.43	0.00	6.33	0.00	0.00	0.00	4.87
Gelama	2.93	5.20	3.95	2.72	3.50	4.00	2.34	5.00	5.00	3.85
Kembong	4.11	4.00	3.74	3.36	4.00	6.75	4.02	5.50	5.59	4.56
Kerisi	2.89	0.00	3.04	2.33	4.50	2.25	1.52	0.00	4.59	3.02
Selayang	0.00	0.00	0.00	0.00	0.00	1.00	3.00	0.00	0.00	2.00
Tamban	2.84	0.00	2.00	2.00	0.00	0.00	2.73	3.45	3.00	2.67
Selar/Pelata	3.46	4.23	3.07	2.42	0.00	4.00	3.42	0.00	0.00	3.43
Sotong	3.53	4.00	3.48	2.88	4.00	4.00	5.08	6.09	6.09	4.35
Aya/Tongkol	3.51	4.20	3.75	2.87	4.19	5.12	4.45	5.73	6.50	4.48
Udang Putih	15.32	8.00	7.86	8.57	0.00	10.57	0.00	13.50	13.41	11.03
Udang Harimau Sedang	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	18.00
Lain-Lain Udang	5.54	7.74	5.69	8.03	7.63	6.19	8.64	15.00	14.90	8.82

MALAYSIA
NILAI HARGA BORONG PENDARATAN IKAN LAUT, 1991
WHOLESALE VALUE OF MARINE FISH LANDINGS, 1991

JADUAL (TABLE) 7.1

Negeri/State	Gred I (Grade I)		Gred II (Grade II)		Gred III (Grade III)		Udang (Prawn)		Ikan Baja (Manure Fish)		Kerang-Kerangan (Shellfish)		Jumlah/Total	
	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$
Perlis	1,024	6,282,889	60	91,304	25,845	48,893,481	1,776	14,023,032	4,272	990,623	150	135,324	33,127	70,416,653
Kedah	1,444	13,973,251	485	490,636	30,169	52,700,295	3,646	34,494,774	19,144	4,597,961	0	0	54,888	106,256,917
P. Pinang/Penang	985	12,331,170	144	349,814	14,907	35,684,184	4,038	37,339,799	8,328	3,121,303	14	32,943	28,416	88,859,213
Perak	4,486	29,263,312	4,291	8,740,639	70,382	133,795,700	28,648	135,777,220	73,157	21,947,005	270	469,525	181,234	329,993,401
Selangor	4,192	34,188,062	2,728	1,006,459	20,691	55,120,800	21,939	78,927,782	33,673	11,528,647	722	597,882	83,945	181,369,632
Negeri Sembilan	106	1,247,985	63	97,261	175	516,000	34	549,698	0	0	0	0	378	2,410,944
Melaka/Malacca	679	6,633,311	179	99,315	771	2,417,765	419	3,334,581	0	0	5	17,377	2,053	12,502,349
Johor Barat/ West Johore	1,425	14,610,364	390	219,267	6,699	9,895,980	6,125	30,114,979	3,220	915,323	0	0	17,859	55,755,913
Jumlah Kecil	14,341	118,530,344	8,340	11,094,695	169,639	339,024,205	66,625	334,561,865	141,794	43,100,862	1,161	1,253,051	401,900	847,565,022
Kelantan	1,085	5,129,557	298	945,483	20,385	37,710,400	692	8,012,830	3,244	577,683	2	2,936	25,706	52,378,889
Terengganu	2,620	17,423,467	1,932	8,830,084	85,047	183,258,720	1,034	8,737,625	10,824	2,144,894	0	0	101,457	220,394,790
Pahang	2,555	16,055,366	1,841	6,085,381	46,401	101,104,544	1,853	17,947,680	56,210	13,278,726	0	0	108,860	154,471,697
Johor Timur/ East Johore	1,229	7,420,212	1,213	4,991,243	30,168	65,020,660	3,440	15,116,252	35,614	6,947,011	0	0	71,664	99,495,378
Jumlah Kecil	7,489	46,028,602	5,284	20,852,191	182,001	387,094,324	7,019	49,814,387	105,892	22,948,314	2	2,936	307,687	526,740,754
Sarawak	5,714	41,151,387	4,640	18,463,465	47,589	72,864,744	14,822	55,898,303	13,685	4,516,050	157	433,320	86,607	193,327,269
Sabah	15,444	41,790,520	9,298	26,864,992	63,460	98,384,937	12,627	97,245,488	5,438	761,264	2,197	1,852,024	108,464	266,899,225
W.P. Labuan	1,137	4,913,735	1,484	3,189,088	3,633	6,066,923	923	4,218,459	98	5,768	0	0	7,275	18,393,973
Jumlah Kecil	22,295	87,855,642	15,422	48,517,545	114,682	177,316,604	28,372	157,362,250	19,221	5,283,082	2,354	2,285,344	202,346	478,620,467
JUMLAH/TOTAL	44,125	252,414,588	29,046	80,464,431	466,322	903,435,133	102,016	541,738,502	266,907	71,332,258	3,517	3,541,331	911,933	1,852,926,243

NOTA/NOTE:

Gred I Termasuk Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin/Kurau, Tenggiri, Parang dan Kerapu.
(Grade I) Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Thredfin, Spanish Mackerel, Wolf Herring and Grouper.
Gred II Termasuk Jenahak, Terubuk, Puput, Merah, Kaci, Cermin, Demuduk dan Siakap.
(Grade II) Includes Mangrove Snapper, Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
Gred III Lain-lain Ikan Termasuk Ikan Bilis, Sotong, Ketam dan Obor-obor.
(Grade III) Other Species Including Anchovy, Squids, Crabs and Jellyfish.

MALAYSIA
NILAI HARGA RUNCIT PENDARATAN IKAN LAUT, 1991
RETAIL VALUE OF MARINE FISH LANDINGS, 1991

JADUAL (TABLE) 7.2

Negeri/State	Gred I (Grade I)		Gred II (Grade II)		Gred III (Grade III)		Udang (Prawn)		Ikan Baja (Manure Fish)		Kerang-Kerangan (Shellfish)		Jumlah/Total	
	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$	Tan M. (Tonnes)	\$
Perlis	1,024	8,072,498	60	134,776	25,845	73,358,727	1,776	17,663,010	4,272	990,623	150	180,432	33,127	100,400,066
Kedah	1,444	17,845,813	485	759,970	30,169	77,440,185	3,646	40,947,409	19,144	4,597,961	0	0	54,888	141,591,338
P. Pinang/Penang	985	13,743,810	144	410,692	14,907	45,454,371	4,038	41,492,489	8,328	3,121,303	14	37,093	28,416	104,259,758
Perak	4,486	38,269,723	4,291	12,082,820	70,382	203,948,040	28,648	171,916,970	73,157	21,947,005	270	469,525	181,234	448,634,083
Selangor	4,192	37,753,393	2,728	1,410,254	20,691	71,427,370	21,939	93,169,053	33,673	11,528,647	722	825,674	83,945	216,114,391
Negeri Sembilan	106	1,365,000	63	107,562	175	632,000	34	594,284	0	0	0	0	378	2,698,846
Melaka/Malacca	679	7,319,088	179	111,813	771	2,929,495	419	3,682,679	0	0	5	21,471	2,053	14,064,546
Johor Barat/ West Johore	1,425	17,270,579	390	272,107	6,699	14,704,590	6,125	35,098,409	3,220	915,323	0	0	17,859	68,261,008
Jumlah Kecil	14,341	141,639,904	8,340	15,289,994	169,639	489,894,778	66,625	404,564,303	141,794	43,100,862	1,161	1,534,195	401,900	1,096,024,036
Kelantan	1,085	5,751,991	298	1,100,099	20,385	45,048,640	692	8,602,390	3,244	577,683	2	3,723	25,706	61,084,526
Terengganu	2,620	19,747,488	1,932	10,160,315	85,047	229,921,820	1,034	10,141,119	10,824	2,144,894	0	0	101,457	272,115,636
Pahang	2,555	23,372,894	1,841	8,384,562	46,401	147,232,460	1,853	22,174,624	56,210	13,278,726	0	0	108,860	214,443,266
Johor Timur/ East Johore	1,229	9,418,065	1,213	6,738,363	30,168	100,761,563	3,440	19,276,884	35,614	6,947,011	0	0	71,664	143,141,886
Jumlah Kecil	7,489	58,290,438	5,284	26,383,339	182,001	522,964,483	7,019	60,195,017	105,892	22,948,314	2	3,723	307,687	690,785,314
Sarawak	5,714	90,701,346	4,640	30,908,218	47,589	129,441,873	14,822	84,996,702	13,685	9,579,500	157	555,780	86,607	346,183,419
Sabah	15,444	71,891,920	9,298	41,482,232	63,460	161,371,941	12,627	124,892,808	5,438	2,718,800	2,197	4,094,504	108,464	406,452,205
W.P. Labuan	1,137	5,144,378	1,484	4,058,133	3,633	6,950,175	923	5,092,150	98	5,768	0	0	7,275	21,250,604
Jumlah Kecil	22,295	167,737,644	15,422	76,448,583	114,682	297,763,989	28,372	214,981,660	19,221	12,304,068	2,354	4,650,284	202,346	773,886,228
JUMLAH/TOTAL	44,125	367,667,986	29,046	118,121,916	466,322	1,310,623,250	102,016	679,740,980	266,907	78,353,244	3,517	6,188,202	911,933	2,560,695,578

NOTA/NOTE:

Gred I Termasuk Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin/Kurau, Tenggiri, Parang dan Kerapu.
(Grade I) Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Thredfin, Spanish Mackerel, Wolf Herring and Grouper.
Gred II Termasuk Jenahak, Terubuk, Puput, Merah, Kaci, Cermin, Demuduk, dan Siakap.
(Grade II) Includes Mangrove Snapper, Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
Gred III Lain-lain Ikan Termasuk Ikan Bilis, Sotong, Ketam dan Obor-obor.
(Grade III) Other Species Including Anchovy, Squids, Crabs and Jellyfish.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN, 1991
VALUE OF MARINE FISH LANDINGS BY GEAR GROUP AND GRADE OF FISH, 1991

JADUAL (TABLE) 7.3

Pendaratan dan Nilai Landings and Values		Pukat Tunda Trawl Nets	Pukat Tarik/Purse Seine			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap/Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaiian Miscellaneous	Jumlah Total
			Pukat Jerut Ikan Purse Seine- Fish	Pukat Jerut Bilis Purse Seine- Anchovy	Lain Pukat Tarik Other Seines			Belat-Belat Stationary	Bubu Portable							
Gred I (Grade I)	Tonnes N.B.S N.R.S	10,084 76,015,228 92,354,446	813 6,128,558 7,445,871	5 37,691 45,793	6 45,229 54,951	7,426 55,978,687 68,011,119	107 806,588 979,961	16 120,611 146,536	597 4,500,306 5,467,632	2,769 20,873,281 25,359,923	6 45,229 54,951	1 7,538 9,159	0 0 0	0 0 0	0 0 0	21,830 164,558,946 199,930,342
Gred II (Grade II)	Tonnes N.B.S N.R.S	8,256 19,359,474 25,253,599	483 1,132,586 1,477,409	0 0 0	3 7,035 9,176	2,471 5,794,242 7,558,339	2 4,690 6,118	5 11,724 15,294	982 2,302,690 3,003,759	1,411 3,308,651 4,315,992	1 2,345 3,059	10 23,449 30,588	0 0 0	0 0 0	0 0 0	13,624 31,946,886 41,673,333
Gred III (Grade III)	Tonnes N.B.S N.R.S	158,464 327,220,237 456,437,990	111,376 229,985,589 320,805,772	20,558 42,451,190 59,214,957	300 619,484 864,116	30,645 63,280,315 88,269,401	7,047 14,551,684 20,298,073	385 795,005 1,108,948	3,753 7,749,748 10,810,085	14,451 29,840,556 41,624,445	3,389 6,998,107 9,761,625	930 1,920,401 2,678,758	28 57,819 80,651	0 0 0	314 648,394 904,440	351,640 726,118,529 1,012,859,261
Udang (Prawn)	Tonnes N.B.S N.R.S	38,407 200,460,847 242,382,424	0 0 0	0 0 0	10,093 52,679,234 63,695,831	6,548 34,176,521 41,323,720	0 0 0	790 4,123,313 4,985,605	8 41,755 50,487	0 0 0	15,975 83,379,646 100,816,497	118 615,887 744,685	1,685 8,794,661 10,633,853	0 0 0	20 104,388 126,218	73,644 384,376,252 464,759,320
Ikan Baji (Manure Fish)	Tonnes N.B.S N.R.S	228,615 60,963,610 60,963,610	3,381 901,594 901,594	85 22,667 22,667	6,518 1,738,122 1,738,122	4,559 1,215,726 1,215,726	0 0 0	31 8,266 8,266	1 267 267	16 4,267 4,267	3,576 953,593 953,593	397 105,865 105,865	507 135,199 135,199	0 0 0	0 0 0	247,686 66,049,176 66,049,176
Kerang- Kerangan (Shellfish)	Tonnes N.B.S N.R.S	2 2,936 3,723	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	1,161 1,253,051 1,534,195	0 0 0	1,163 1,255,987 1,537,918
JUMLAH TOTAL	Tonnes N.B.S N.R.S	443,828 684,022,332 877,395,792	116,053 238,148,327 330,630,646	20,648 42,511,548 59,283,417	16,920 55,089,104 66,362,196	51,649 160,445,491 206,378,305	7,156 15,362,962 21,284,152	1,227 5,058,919 6,264,649	5,341 14,594,766 19,332,230	18,647 54,026,755 71,304,627	22,947 91,378,920 111,589,725	1,456 2,673,140 3,569,055	2,220 8,987,679 10,849,703	1,161 1,253,051 1,534,195	334 752,782 1,030,658	709,587 1,374,305,776 1,786,809,350

N.B.S. - Nilai Harga Borong Dalam Ringgit/Wholesale Value In Ringgit

N.R.S. - Nilai Harga Runcit Dalam Ringgit/Retail Value In Ringgit

NOTA/NOTE:

Gred I Termasuk Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin/Kurau, Tenggiri, Parang dan Kerapu.
Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Threadfin, Spanish Mackerel, Wolf Herring and Grouper.
Gred II Termasuk Jenahak, Terubuk, Puput, Merah, Kaci, Cermin, Demuduk dan Siakap.
Includes Mangrove snapper, Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.
Gred III Lain-lain Ikan Termasuk Ikan Bilis, Satang, Ketam dan Obor-obor.
(Grade III) Other Species Including Anchovy, Squids, Crabs and Jellyfish.

MALAYSIA
SIRI TAHUNAN PENDARATAN IKAN LAUT DAN NILAI TAHUN 1987 - 1991
ANNUAL SERIES OF MARINE FISH LANDINGS AND VALUES FOR THE YEAR 1987 - 1991

JADUAL (TABLE) 8

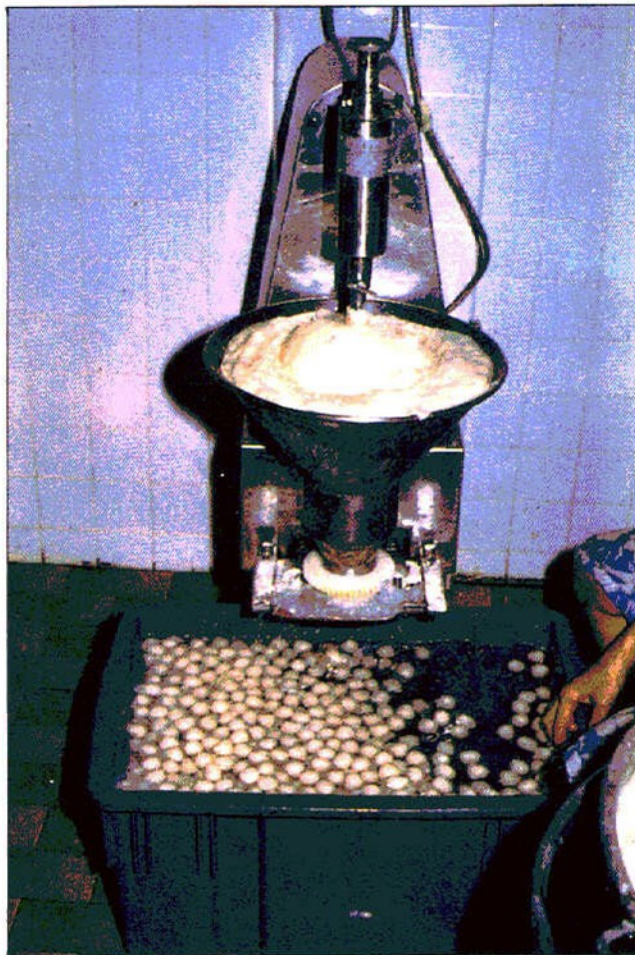
NEGERI STATE	1987		1988		1989		1990		1991	
	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value \$	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value \$	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value \$	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value \$	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value \$
Pantai Barat (West Coast):										
Perlis	66,856	69,615,500	40,731	60,302,609	42,360	63,423,110	46,206	85,476,249	33,127	70,416,653
Kedah	94,091	103,044,610	72,775	82,999,613	75,615	109,581,375	86,408	137,585,130	54,888	106,256,917
Pulau Pinang/Penang	29,752	53,409,330	22,230	33,712,136	38,624	74,742,732	52,278	90,541,037	28,416	88,859,213
Perak	203,774	251,514,600	179,982	239,564,023	198,974	355,271,992	219,044	362,321,264	181,234	329,993,401
Selangor	87,157	126,893,470	90,891	119,725,532	112,646	143,954,783	86,966	141,450,098	83,945	181,369,632
Negeri Sembilan	352	1,723,200	310	4,587,610	221	1,322,125	349	1,761,108	378	2,410,944
Melaka/Malacca	2,444	9,429,020	2,482	11,285,828	1,989	10,228,601	2,363	11,680,784	2,053	12,502,349
Johor Barat/West Johore	15,439	28,183,440	20,787	40,425,329	18,905	48,728,895	16,857	51,908,380	17,859	55,755,913
Jumlah Kecil/Sub-Total:	499,865	643,813,170	430,188	592,602,680	489,334	807,253,613	510,471	882,724,050	401,900	847,565,022
Pantai Timur/East Coast:										
Kelantan	23,166	37,313,420	18,002	35,006,988	32,982	68,109,650	31,557	54,965,632	25,706	52,378,889
Terengganu	115,016	162,157,710	83,456	114,138,454	78,815	169,676,643	97,237	189,605,540	101,457	220,394,790
Pahang	66,519	84,478,400	95,047	113,776,964	68,730	94,653,071	105,369	131,313,709	108,860	154,471,697
Johor Timur/East Johore	36,005	56,673,140	67,756	123,018,284	77,023	94,161,564	75,269	92,338,687	71,664	99,495,378
Jumlah Kecil/Sub-Total:	240,706	340,622,670	264,261	385,940,690	257,550	426,600,928	309,432	468,223,568	307,687	526,740,754
Sarawak	69,443	187,900,000	79,642	190,109,180	84,356	224,540,000	78,878	358,191,660	86,607	193,327,269
Sabah	47,640	165,500,000	48,000	197,000,000	44,000	186,231,000	44,760	230,035,108	108,464	266,899,225
W.P. Labuan	1,360	4,700,000	3,540	10,216,326	7,252	21,195,567	7,766	21,420,888	7,275	18,393,973
Jumlah Kecil/Sub-Total:	118,443	358,100,000	131,182	397,325,506	135,608	431,966,567	131,404	609,647,656	202,346	478,620,467
Jumlah Besar/Grand Total	859,014	1,342,535,840	825,631	1,375,868,876	882,492	1,665,821,108	951,307	1,960,595,274	911,933	1,852,926,243

MALAYSIA
KUANTITI DAN PERATUS PENDARATAN SERTA NILAI IKAN LAUT MENGIKUT NEGERI BAGI TAHUN 1991
QUANTITY AND PERCENTAGE OF LANDINGS AND VALUES OF MARINE FISH BY STATE FOR THE YEAR 1991

JADUAL (TABLE) 9

Negeri State	Kuantiti Pendaratan Dalam Tan M <i>Quantity Of Landings (Tonnes)</i>	Peratus Percentage %	Nilai Dalam Ringgit <i>Values In Ringgit</i>	Peratus Percentage %
Pantai Barat (West Coast):				
Perlis	33,127	3.63	70,416,653	3.80
Kedah	54,888	6.02	106,256,917	5.73
Pulau Pinang/Penang	28,416	3.12	88,859,213	4.80
Perak	181,234	19.87	329,993,401	17.81
Selangor	83,945	9.21	181,369,632	9.79
Negeri Sembilan	378	0.04	2,410,944	0.13
Melaka/Malacca	2,053	0.23	12,502,349	0.67
Johor Barat/West Johore	17,859	1.96	55,755,913	3.01
Pantai Timur/East Coast:				
Kelantan	25,706	2.82	52,378,889	2.83
Terengganu	101,457	11.13	220,394,790	11.89
Pahang	108,860	11.94	154,471,697	8.34
Johor Timur/East Johore	71,664	7.86	99,495,378	5.37
Sarawak	86,607	9.50	193,327,269	10.43
Sabah	108,464	11.87	266,899,225	14.41
W.P. Labuan	7,275	0.80	18,388,205	0.99
JUMLAH / TOTAL	911,933	100.00	1,852,920,475	100.00

PEMEROSAN BEBOLA IKAN



FISHBALL PROCESSING

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 PENGGUNAAN PENDARATAN IKAN LAUT, 1991
 DISPOSITION OF MARINE FISH LANDINGS, 1991
 Timbangan dalam Tan Metrik/Weight in Tonnes

Jadual (Table) 10.1

Disposition Channel	Pantai Barat/West Coast								Jumlah Kecil Sub-Total	Pantai Timur/East Coast				Jumlah Kecil Sub-Total	Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor Darul Ehsan	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore		Kelantan	Terengganu	Pahang Darul Makmur	Johor Timur East Johore		
Diguna secara hidup Disposed alive	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diguna secara basah Disposed fresh	33,008	47,518	27,619	145,358	72,273	378	1,932	17,402	345,488	25,384	99,747	98,539	65,614	289,284	634,772
Diguna untuk dibeku Disposed for freezing	-	-	-	2,701	-	-	-	-	2,701	-	-	-	-	0	2,701
Diguna untuk mengetin Disposed for canning	-	-	-	-	-	-	-	-	0	-	-	-	-	0	0
Diguna untuk diawetkan Disposed for curing															
Kering/Masin/Diasap Dried/Salted/Smoked	113	2,705	358	3,652	569	-	29	64	7,490	172	915	320	38	1,445	8,935
Rebus Steamed/Boiled	-	-	-	72	-	-	-	-	72	-	-	421	-	421	493
Diragikan Fermented	4	10	109	4,882	2,734	-	92	306	8,137	44	64	-	-	108	8,245
Lain-Lain Others	2	11	-	550	-	-	-	12	575	104	731	2,239	113	3,187	3,762
Diguna untuk mengubahkan Disposed for reduction	-	4,638	217	13,475	8,323	-	-	75	26,728	-	-	7,341	5,899	13,240	39,968
Diguna untuk lain-lain Disposed for others	-	6	113	10,544	46	-	-	-	10,709	2	-	-	-	2	10,711
Jumlah (Tan Metrik) Total (Tonnes)	33,127	54,888	28,416	181,234	83,945	378	2,053	17,859	401,900	25,706	101,457	108,860	71,664	307,687	709,587

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL LAUT YANG DIAWETKAN 1991
PROCESSED MARINE FISH PRODUCTS 1991
Timbangan dalam Tan Metrik/Weight in Tonnes

Jadual (Table) 10.2

Negeri State	Ikan Masin/ Ikan Kering (Salted/ Dried Fish)	Bilis Kering (Dried Anchovies)	Ikan Rebus (Boiled Fish)	Ikan Baja (Manure Fish)	Tepung Ikan (Fish Meal)	Udang Kering (Dried Prawn)	Otak Udang (Prawn Paste)	Belacan (Shrimp Paste)	Keropok (Crackers)		Cincaluk (Pickled Prawn)	Sotong Kering (Dried Cuttle- fish)	Budus (Fermented Anchovies)	Ubur- Ubur (Dried Jelly Fish)	Lala Kering (Dried Shell- fish)	Bebola Ikan (Fish Ball)	Sotong Beku (Frozen Cuttle- fish)	Satay Ikan (Satay Fish)	Ikan Beku (Frozen Fish)	Udang Beku (Frozen Prawn)	Jumlah (Total)
									Ikan (Fish)	Udang (Prawn)											
Pantai barat/ West Coast:																					
Perlis	113	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	119
Kedah	335	2,409	0	6	4,638	6	0	10	17	4	0	0	0	0	0	0	0	0	0	0	7,425
Pulau Pinang	306	0	0	113	217	45	2	107	0	0	0	0	0	7	0	0	0	0	0	0	797
Perak	1,423	1,429	72	10,544	13,475	800	0	577	0	0	0	0	0	0	0	4,305	582	550	120	1,999	35,876
Selangor	328	0	0	46	8,323	36	0	2,562	0	0	0	21	0	158	26	172	0	0	0	0	11,672
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melaka/Malacca	29	0	0	0	0	0	0	56	0	0	36	0	0	0	0	0	0	0	0	0	121
Johor Barat/ West Johore	33	0	0	0	75	2	0	255	4	8	5	8	0	21	0	46	0	0	0	0	457
Jumlah Kecil/ Sub-Total	2,567	3,838	72	10,709	26,728	889	2	3,571	23	12	41	29	0	186	26	4,523	582	550	120	1,999	56,467
Pantai Timur/ East Coast:																					
Kelantan	166	6	0	2	0	0	0	0	104	0	0	0	94	0	0	0	0	0	0	0	372
Terengganu	735	164	0	0	0	0	0	0	731	0	0	16	64	0	0	0	0	0	0	0	1,710
Pahang	164	154	0	0	7,341	0	0	0	2,226	13	0	2	0	0	0	421	0	0	0	0	10,321
Johor Timur/ East Johore	25	13	0	0	5,899	0	0	220	113	0	0	0	0	0	0	0	0	0	0	0	6,270
Jumlah Kecil/ Sub-Total	1,090	337	0	2	13,240	0	0	220	3,174	13	0	18	158	0	0	421	0	0	0	0	18,673
Jumlah Besar/ Grand-Total	3,657	4,175	72	10,711	39,968	889	2	3,791	3,197	25	41	47	158	186	26	4,944	582	550	120	1,999	75,140

JADUAL (TABLE) 11

MALAYSIA
KILANG-KILANG AIR BATU DAN KEMUDAHAN-KEMUDAHAN PENYEJOKKAN SEHINGGA 31-12-1991
ICE FACTORIES AND REFRIGERATION FACILITIES AS AT 31-12-1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

Negeri/State	Bil. Kilang- Kilang (No. of Factories)	Daya Pengeluaran Harian (Daily Production Capacity)			Kemudahan Menyimpan (Storage Capacity)		
		Kuantiti (Quantity)	Timbangan/Blok Dalam Kg. (Weight/Block In Kg.)	Harga se blok (Price/Block) \$	Bil. (No.)	Kuantiti (Quantity)	
						Ais (Ice)	Ikan (Fish)
Perlis	3	119	145	\$4.30	31	338	-
Kedah	5	220	100	\$5.06	93	579	630
P. Pinang/Penang	6	288	145	\$6.70	14	7,978	7,174
Perak	15	560	45 - 145	\$5.76	64	2,871	3,458
Selangor	14	424	40 - 102	\$5.20	41	713	456
Melaka/Malacca	2	47	145	\$10.00	28	67	372
N. Sembilan	1	28	100	\$6.40	18	14	28
Johor Barat/West Johore	5	167	12 - 100	\$4.88	16	221	31
Johor Timur/East Johore	2	110	33 - 36	\$2.40	15	324	452
Pahang	7	631	101	\$5.70	7	594	50
Terengganu	12	282	100 - 150	\$7.70	12	608	2
Kelantan	16	245	45 - 159	\$4.56	16	320	264
Sarawak	61	484	30	\$3.10	151	795	2,386
Sabah	44	563	20 - 180	\$4.50	37	1,233	2,585
Jumlah/Total:	193	4,168	-	-	543	16,655	17,888

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL PERIKANAN DALAM RINGGIT, 1991
(Fisheries Revenue in Ringgit, 1991)

JADUAL (TABLE) 12

Jenis Hasil <i>(Type of Revenue)</i>	HASIL NEGERI (STATE REVENUE)				HASIL PERIKANAN (FEDERAL REVENUE)				Jumlah Besar <i>(Grand Total)</i>
Negeri <i>State</i>	Perahu (Boat)	Perikanan (Fishing)	Patil Perahu (Boat No. Plate)	Jumlah (Total)	Ikan (Fish)	Kompaun/Denda (Compound or Fine)	Jualan Pelbagai (Miscellaneous)	Jumlah (Total)	
Perlis	19,858.50	137,873.00	718.00	158,449.50	0.00	0.00	0.00	0.00	158,449.50
Kedah	50,050.50	342,680.00	2,241.00	394,971.50	0.00	283,600.00	0.00	283,600.00	678,571.50
P.Pinang/Penang	21,574.50	44,370.00	2,054.00	67,998.50	3,068.71	85,100.00	205.00	88,373.71	156,372.21
Perak	21,574.50	224,263.00	4,979.00	250,816.50	0.00	172,900.00	10,881.00	183,781.00	434,597.50
Selangor	77,527.50	103,855.50	3,092.00	184,475.00	0.00	131,500.00	0.00	131,500.00	315,975.00
Negeri Sembilan	820.50	502.00	214.00	1,536.50	0.00	0.00	558.60	558.60	2,095.10
Melaka/Malacca	2,696.50	1,656.00	1,088.00	5,440.50	0.00	0.00	2,054.40	2,054.40	7,494.90
Kelantan	18,840.00	146,297.00	1,169.00	166,306.00	17,136.50	53,385.00	1,175.40	71,696.90	238,002.90
Terengganu	43,280.50	355,467.50	2,406.00	401,154.00	0.00	210,400.00	9,716.40	220,116.40	621,270.40
Pahang	50,850.00	514,905.00	1,119.00	566,874.00	0.00	436,300.00	7,040.00	443,340.00	1,010,214.00
Johor/Johore	52,785.50	347,321.00	2,878.00	402,984.50	0.00	128,700.00	2,492.20	131,192.20	534,176.70
Jumlah Besar <i>(Grand Total)</i>	359,858.50	2,219,190.00	21,958.00	2,601,006.50	20,205.21	1,501,885.00	34,123.00	1,556,213.21	4,157,219.71

KOLAM IKAN



FISH POND

MALAYSIA
 ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG DAN SANGKAR YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT SISTEM PENTERNAKAN DAN NEGERI 1991
 ESTIMATED NUMBER AND AREA OF PONDS, DISUSED MINING POOLS AND CAGES
 AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1991

JADUAL (TABLE) 13.1

Negeri State	Airtawar/Freshwater									Airpayau/Brackishwater						Jumlah/Total					
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Kolam Ponds			Sangkar Cages			Kolam & Bekas Lombong Ponds & Ex-mining Pools			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Pentermak No. of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Pentermak No. Of Culturists
Perlis	108	20.36	87	0	0.00	0	0	0.00	0	1	0.63	1	0	0.00	0	109	20.99	88	0	0.00	0
Kedah	995	235.49	500	3	6.25	3	20	180.00	2	105	39.43	67	170	74.12	51	1,103	281.17	570	190	254.12	53
Pulau Pinang/ Penang	232	30.14	152	0	0.00	0	0	0.00	0	4	1.34	4	11,682	70,240.91	246	236	31.48	156	11,682	70,240.91	246
Perak	2,891	668.25	1,883	163	339.46	139	372	4,747.82	25	180	91.51	43	7,047	53,498.16	176	3,234	1,099.22	2,065	7,419	58,245.98	201
Selangor	3,965	656.38	2,209	178	247.77	113	857	14,391.20	14	119	33.28	46	6,916	88,107.59	149	4,262	937.43	2,368	7,773	102,498.79	163
W.Pesekutuan/ F.Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N.Sembilan	1,981	361.05	1,638	32	45.52	29	170	1,550.54	6	36	18.00	3	28	260.12	9	2,049	424.57	1,670	198	1,810.66	15
Melaka/Malacca	1,083	214.58	871	2	3.45	2	131	1,180.16	21	7	2.51	7	4	148.64	2	1,092	220.54	880	135	1,328.80	23
Johor/Johore	1,721	257.37	853	2	1.74	2	135	1,321.55	17	750	724.75	144	4,558	56,240.46	207	2,473	983.86	999	4,693	57,562.01	224
Pahang	3,805	812.05	2,510	0	0.00	0	104	1,037.10	68	83	252.75	34	32	64.00	1	3,888	1,064.80	2,544	136	1,101.10	69
Terengganu	1,755	228.99	1,237	0	0.00	0	22	205.00	3	54	9.57	37	835	7,546.40	27	1,809	238.56	1,274	857	7,751.40	30
Kelantan	723	88.84	543	0	0.00	0	0	0.00	0	95	16.86	62	275	16,196.75	75	818	105.70	605	275	16,196.75	75
Sarawak	1,218	215.52	1,245	0	0.00	0	0	0.00	0	11	1.20	11	0	0.00	0	1,229	216.72	1,256	0	0.00	0
Sabah	9,340	1,071.78	4,200	0	0.00	0	0	0.00	0	467	439.63	130	936	9,400.00	47	9,807	1,511.41	4,330	936	9,400.00	47
Jumlah/Total:	29,817	4,860.80	17,928	380	644.19	288	1,811	24,613.37	156	1,912	1,631.46	589	32,483	301,777.15	990	32,109	7,136.45	18,805	34,294	326,390.52	1,146

Nota: Bagi Sarawak ia merujuk kepada kolam-kolam yang telah dibina dalam tahun semasa.
 Note: For Sarawak it refers to ponds constructed in this year.

MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG DAN SANGKAR AIRTAWAR YANG DIBUKA
DAN TERBIAR SERTA BILANGAN PENTERNAK MENGIKUT NEGERI, 1991
ESTIMATED NUMBER AND AREA OF NEWLY OPENED AND ABANDONED PONDS, DISUSED MINING POOLS
AND CAGES AND NUMBER OF CULTURISTS BY STATE, 1991

JADUAL (TABLE) 13.2

Negeri State	Dibuka dan Beroperasi/Opened and Operation									Terbiar/Abandoned								
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists
Perlis	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	1	1.32	1	0	0.00	0
Kedah	0	0.00	0	0	0.00	0	0	0.00	0	11	1.80	3	0	0.00	0	0	0.00	0
Pulau Pinang/ Penang	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	120	925.04	5
Perak	11	2.38	3	259	299.70	86	7	138.46	0	3	1.49	3	0	0.00	0	21	4.17	11
Selangor	2	1.10	2	0	0.00	0	30	621.20	1	0	0.00	0	0	0.00	0	0	0.00	0
W. Persekutuan/ F. Territory	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
N. Sembilan	4	0.34	1	0	0.00	0	16	210.26	1	0	0.00	0	0	0.00	0	0	0.00	0
Melaka/Malacca	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Johor/Johore	18	3.79	3	0	0.00	0	0	0.00	0	18	6.34	6	2	1.74	2	34	385.99	3
Pahang	75	12.90	53	0	0.00	0	0	0.00	0	0	0	9	0	0.00	0	0	0.00	0
Terengganu	4	0.26	3	0	0.00	0	0	0.00	0	12	1.54	6	0	0.00	0		108.00	1
Kelantan	0	0.00	0	0	0.00	0	0	0.00	0	1	0.16	1	0	0.00	0	0	0.00	0
Sarawak	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Jumlah/Total:	114	20.77	65	259	299.70	86	53	969.92	2	45	11.33	28	3	3.06	3	175	1,423.20	20

* Kolam, bekas lombong dan sangkar yang dibuka adalah tertakluk kepada yang dibuka dalam tahun semasa.
 Newly opened and in operation ponds, ex-mining pools and cages are counted based on current year.

* Kolam, bekas lombong dan sangkar yang terbiar adalah timbunan dari tahun sebelum dan tahun semasa.
 Abandoned ponds, ex-mining pools and cages are accumulative figures.

MALAYSIA
ANGGARAN BILANGAN DAN LUAS SERTA BILANGAN PENTERNAK
KOLAM DAN SANGKAR AIRPAYAU YANG DIBUKA DAN TERBIAR, 1991
ESTIMATED NUMBER AND AREA OF NEWLY OPENED AND ABANDONED BRACKISHWATER
PONDS AND CAGES AND NUMBER OF CULTURISTS BY STATE, 1991

JADUAL (TABLE) 13.3

Negeri State	Dibuka dan beroperasi/Opened and Operation						Terbiar/Abandoned					
	Kolam Ponds			Sangkar Cages			Sangkar Cages			Kolam Ponds		
	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (m2) Area in Sq.m.	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Penternak No. Of Culturists
<i>Perlis</i>	0	0.00	0	0	0.00	0	33	5.78	29	0	0.00	0
<i>Kedah</i>	2	2.20	2	0	0.00	0	173	53.09	55	4	36.00	1
<i>Pulau Pinang/ Penang</i>	0	0.00	0	0	0.00	0	39	5.25	14	0	0.00	0
<i>Perak</i>	6	4.88	5	134	1,096.55	1	706	134.51	513	0	0.00	0
<i>Selangor</i>	0	0.00	0	25	324.00	0	0	0.00	0	0	0.00	0
<i>W.Persekutuan/ F. Territory</i>	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
<i>N.Sembilan</i>	0	0.00	0	12	111.48	3	374	80.43	279	0	0.00	0
<i>Melaka/Malacca</i>	0	0.00	0	4	148.64	2	122	23.72	105	0	0.00	0
<i>Johor/Johore</i>	1	0.27	1	69	661.20	12	464	80.99	350	0	0.00	0
<i>Pahang</i>	3	0.72	1	0	0.00	0	1493	379	770	0	0.00	0
<i>Terengganu</i>	2	0.22	1	16	619.28	5	362	46.59	261	0	0.00	0
<i>Kelantan</i>	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
<i>Sarawak</i>	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
<i>Sabah</i>	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0
Jumlah/Total:	14	8.29	10	260	2,961.15	23	3,766	809.36	2,376	4	36.00	1

- * Kolam, bekas lombong dan sangkar yang dibuka adalah tertakluk kepada yang dibuka dalam tahun semasa.
 Newly opened and in operation ponds, ex-mining pools and cages are counted based on current year.
- * Kolam, bekas lombong dan sangkar yang terbiar adalah timbunan dari tahun sebelum dan tahun semasa.
 Abandoned ponds, ex-mining pools and cages are accumulative figures.

ANGGARAN JUMLAH PENGELUARAN IKAN TERNAKAN, KERANG, SIPUT SIDU DAN TIRAM
 MENGIKUT NEGERI DAN SISTEM TERNAKAN 1991
 ESTIMATED PRODUCTION OF FISH, COCKLE, MUSSELS AND OYSTERS
 BY STATE AND CULTURE SYSTEM 1991
 (TAN METRIK/TONNES)

JADUAL (TABLE) 14.1

Negeri State	Airtawar/Freshwater			Airpayau/Brackishwater					Jumlah Kecil/Sub-total					Jumlah tan metrik/ tonnes
	Kolam Ponds	B.Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Siput Sidu Mussels	Tiram Oyster	B.Lombong/ Kolam Ex-mining Pools/Ponds	Sangkar Cages	Kerang Cockle	Siput Sidu Mussels	Tiram Oyster	
Perlis	39.18	0.00	0.00	0.62	0.00	0.00	0.00	0.00	39.80	0.00	0.00	0.00	0.00	39.80
Kedah	116.18	12.26	5.34	48.08	11.13	0.00	20.33	1.37	176.52	16.47	0.00	20.33	1.37	214.69
P.Pinang/Penang	35.24	0.00	0.00	1.57	538.20	10,877.80	0.00	0.00	36.81	538.20	10,877.80	0.00	0.00	11,452.81
Perak	931.64	606.24	27.57	87.53	179.17	27,806.21	119.51	2.48	1,625.41	206.74	27,806.21	119.51	2.48	29,760.35
Selangor	534.53	270.32	112.74	57.19	1,014.09	6,652.23	10.30	0.00	862.04	1,126.83	6,652.23	10.30	0.00	8,651.40
W.Perskutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N.Sembilan	208.72	42.90	2.00	15.61	0.00	0.00	24.87	0.00	267.23	2.00	0.00	24.87	0.00	294.10
Melaka/Malacca	181.96	0.00	44.30	7.14	2.96	0.00	148.62	0.00	189.10	47.26	0.00	148.62	0.00	384.98
Johor/Johore	191.56	17.21	343.00	1,642.44	372.37	209.55	1,230.82	52.81	1,851.21	715.37	209.55	1,230.82	52.81	4,059.76
Pahang	761.36	0.00	2.14	535.80	2.58	0.00	0.00	0.00	1,297.16	4.72	0.00	0.00	0.00	1,301.88
Terengganu	19.25	0.00	36.88	15.44	4.63	0.00	0.00	0.00	34.69	41.51	0.00	0.00	0.00	76.20
Kelantan	157.97	0.00	0.00	18.55	5.35	0.00	9.00	0.00	176.52	5.35	0.00	9.00	0.00	190.87
Sarawak	165.30	0.00	0.00	49.19	0.00	0.00	0.00	0.00	214.49	0.00	0.00	0.00	0.00	214.49
Sabah	6,223.00	0.00	0.00	900.00	0.00	1,079.30	0.00	0.00	7,123.00	0.00	1,079.30	0.00	0.00	8,202.30
Jumlah/Total	9,565.89	948.93	573.97	3,379.16	2,130.48	46,625.09	1,563.45	56.66	13,893.98	2,704.45	46,625.09	1,563.45	56.66	64,843.63

MALAYSIA
ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG, SIPUT SUDU DAN TIRAM
MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1991
ESTIMATED WHOLESALE VALUE OF FISH, COCKLE, MUSSELS AND OYSTERS
BY STATE AND CULTURE SYSTEM, 1991
(NILAI DALAM M\$ '000/VALUE IN M\$ '000)

JADUAL (TABLE) 14.2

Negeri State	Airtawar/Freshwater			Airpayau/Brackishwater					Jumlah (M\$)/Total (M\$)					Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Tiram Oysters	Kolam & Bekas Lombong Ponds & Ex-Mining Pools	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Tiram Oysters	
Perlis	142.61	0.00	0.00	4.37	0.00	0.00	0.00	0.00	146.98	0.00	0.00	0.00	0.00	146.98
Kedah	359.16	48.47	24.43	720.96	185.19	0.00	14.23	11.51	1,128.59	209.62	0.00	14.23	11.51	1,363.95
P.Pinang/Penang	97.31	0.00	0.00	18.98	6,136.61	4,351.12	0.00	0.00	116.29	6,136.61	4,351.12	0.00	0.00	10,604.02
Perak	4,326.02	1,932.87	100.88	1,423.33	1,627.23	6,951.55	71.71	29.76	7,682.22	1,728.11	6,951.55	71.71	29.76	16,463.35
Selangor	2,879.75	1,453.82	429.71	994.64	9,040.56	1,663.06	131.46	0.00	5,328.21	9,470.27	1,663.06	131.46	0.00	16,593.00
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	796.16	127.78	7.60	296.52	0.00	0.00	19.90	0.00	1,220.46	7.60	0.00	19.90	0.00	1,247.96
Melaka/Malacca	771.70	0.00	173.87	135.48	32.64	0.00	118.90	0.00	907.18	206.51	0.00	118.90	0.00	1,232.59
Johor/Johore	814.52	74.38	1,514.63	33,003.79	3,723.22	71.25	516.94	792.15	33,892.69	5,237.85	71.25	516.94	792.15	40,510.88
Pahang	8,211.01	0.00	55.22	7,248.44	23.22	0.00	0.00	0.00	15,459.45	78.44	0.00	0.00	0.00	15,537.89
Terengganu	76.95	0.00	144.15	208.66	34.07	0.00	0.00	0.00	285.61	178.22	0.00	0.00	0.00	463.83
Kelantan	675.91	0.00	9.29	225.79	51.52	0.00	2.70	0.00	901.70	60.81	0.00	2.70	0.00	965.21
Sarawak	1,170.48	0.00	0.00	787.04	0.00	0.00	0.00	0.00	1,957.52	0.00	0.00	0.00	0.00	1,957.52
Sabah	45,288.00	0.00	0.00	11,700.00	0.00	1,079.30	0.00	0.00	56,988.00	0.00	1,079.30	0.00	0.00	58,067.30
Jumlah/Total:	65,609.58	3,637.32	2,459.78	56,768.00	20,854.26	14,116.28	875.84	833.42	126,014.90	23,314.04	14,116.28	875.84	833.42	165,154.48

MALAYSIA
ANGGARAN NILAI RUNCIT IKAN TERNAKAN, KERANG, SIPUT SUDU DAN TIRAM
MENGIKUT NEGERI SISTEM TERNAKAN, 1991
ESTIMATED RETAIL VALUE OF FISH, COCKLE, MUSSELS AND OYSTERS
BY STATE AND CULTURE SYSTEM, 1991
(NILAI DALAM M\$ '000/VALUE IN M\$ '000)

JADUAL (TABLE) 14.3

Negeri State	Airtawar/Freshwater			Airpayau/Brackishwater					Jumlah (M\$)/Total (M\$)					Jumlah Besar
	Kolam Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Tiram Oysters	Kolam & Bekas Lombong Ponds & Ex-Mining Pools	Sangkar Cages	Kerang Cockle	Siput Sudu Mussels	Tiram Oysters	Grand Total
Perlis	193.00	0.00	0.00	5.49	0.00	0.00	0.00	0.00	198.49	0.00	0.00	0.00	0.00	198.49
Kedah	482.87	62.12	33.14	947.63	221.49	0.00	20.33	11.51	1,492.62	254.63	0.00	20.33	11.51	1,779.09
P.Pinang/Penang	136.39	0.00	0.00	23.03	7,825.81	8,702.24	0.00	0.00	159.42	7,825.81	8,702.24	0.00	0.00	16,687.47
Perak	5,968.96	2,730.27	138.47	1,560.60	2,003.46	13,903.10	119.31	29.76	10,259.83	2,141.93	13,903.10	119.31	29.76	26,453.93
Selangor	3,851.66	1,763.29	589.62	1,248.56	10,080.26	2,660.89	15.45	0.00	6,863.51	10,669.88	2,660.89	15.45	0.00	20,209.73
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	1,189.79	226.46	10.50	324.61	0.00	0.00	24.87	0.00	1,740.86	10.50	0.00	24.87	0.00	1,776.23
Melaka/Malacca	974.43	0.00	204.23	170.77	37.62	0.00	148.62	0.00	1,145.20	241.85	0.00	148.62	0.00	1,535.67
Johor/Johore	1,077.94	95.26	1,985.05	43,006.57	4,266.24	136.21	923.11	0.00	44,179.77	6,251.29	136.21	923.11	0.00	51,490.38
Pahang	8,694.84	0.00	60.68	8,478.18	27.09	0.00	0.00	897.77	17,173.02	87.77	0.00	0.00	897.77	18,158.56
Terengganu	93.90	0.00	179.20	266.11	45.38	0.00	0.00	0.00	360.01	224.58	0.00	0.00	0.00	584.59
Kelantan	819.80	0.00	10.88	249.39	68.73	0.00	6.75	0.00	1,069.19	79.61	0.00	6.75	0.00	1,155.55
Sarawak	1,308.24	0.00	0.00	885.53	0.00	0.00	0.00	0.00	2,193.77	0.00	0.00	0.00	0.00	2,193.77
Sabah	52,866.00	0.00	0.00	13,500.00	0.00	1,618.95	0.00	0.00	66,366.00	0.00	1,618.95	0.00	0.00	67,984.95
Jumlah/Total:	77,657.82	4,877.40	3,211.77	70,666.47	24,576.08	27,021.39	1,258.44	939.04	153,201.69	27,787.85	27,021.39	1,258.44	939.04	210,208.41

MALAYSIA
BILANGAN DAN LUAS KOLAM BINAAN AIRTAWAR YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1991
NUMBER AND AREA OF FRESHWATER PONDS AND NUMBER OF CULTURISTS
BY STATE, 1991

JADUAL (TABLE) 15.1

Negeri State	Kolam Airtawar Freshwater Ponds		Bilangan Penternak Ikan No. Of Culturists				
	Bilangan Number	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
Perlis	108	20.36	84	1	0	2	87
Kedah	995	235.49	473	6	0	21	500
P.Pinang/Penang	232	30.14	123	13	6	10	152
Perak	2891	668.25	1476	314	24	69	1,883
Selangor	3,965	656.38	1,575	361	84	189	2,209
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	1981	361.05	1463	93	8	74	1,638
Melaka/Malacca	1,083	214.58	695	146	11	19	871
Johor/Johore	1,721	257.37	523	301	3	26	853
Pahang	3,805	812.05	2,164	308	10	28	2,510
Terengganu	1,755	228.99	1,206	30	1	0	1,237
Kelantan	723	88.84	513	29	1	0	543
Sarawak	1218	215.52	14	166	0	1065	1,245
Sabah	9340	1,071.78	0	0	0	4200	4,200
Jumlah/Total:	29,817	4,860.80	10,309	1,768	148	5,703	17,928

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRTAWAR
MENGIKUT NEGERI DAN SPESIS IKAN, 1991
ESTIMATED FISH PRODUCTIONS FROM FRESHWATER PONDS
BY STATE AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 15.2

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Pelbagai Miscellaneous	Jumlah Total
Perlis	5.32	2.80	0.21	3.57	2.77	1.65	0.00	0.21	2.01	0.21	0.00	20.43	39.18
Kedah	9.04	7.13	2.15	3.41	3.27	5.29	9.09	0.57	74.51	0.00	0.00	1.72	116.18
P. Pinang/ Penang	6.12	3.00	8.00	0.00	0.00	1.50	2.12	0.00	14.50	0.00	0.00	0.00	35.24
Perak	108.88	3.90	389.83	32.77	94.02	101.87	19.85	29.30	135.65	2.18	0.00	13.39	931.64
Selangor D.E.	85.24	0.01	89.19	5.59	13.20	10.56	35.49	126.45	123.40	5.40	0.00	40.00	534.53
W. Persekutuan F. Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	62.26	9.34	57.52	13.95	8.93	0.10	20.90	3.24	11.82	0.01	0.00	20.65	208.72
Melaka/Malacca	36.32	7.58	22.52	11.46	2.65	17.22	15.30	6.26	42.22	1.03	0.00	19.40	181.96
Johor/Johore D.T.	4.49	0.07	157.33	0.10	2.97	3.07	16.39	1.60	5.12	0.28	0.00	0.14	191.56
Pahang D.M.	86.52	32.38	62.27	13.37	1.80	16.29	15.70	28.99	26.52	0.00	442.51	35.01	761.36
Terengganu	4.18	0.43	1.36	1.37	0.13	3.42	4.20	1.31	1.26	0.00	0.00	1.59	19.25
Kelantan	34.14	23.72	29.98	6.44	1.33	18.71	7.95	8.10	16.88	0.05	0.00	10.67	157.97
Sarawak	25.90	20.15	34.10	35.20	0.00	0.00	0.00	30.10	0.00	0.00	0.00	19.85	165.30
Sabah	1,556.00	1,245.00	110.00	50.00	0.00	2,480.00	0.00	0.00	0.00	0.00	0.00	782.00	6,223.00
Jumlah/Total:	2,024.41	1,355.51	964.46	177.23	131.07	2,659.68	146.99	236.13	453.89	9.16	442.51	964.85	9,565.89

JADUAL (TABLE) 15.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIR TAWAR
MENGIKUT NEGERI DAN SPESIS, 1991
ESTIMATED WHOLESALE VALUE OF PRODUCTIONS FROM FRESHWATER PONDS
BY STATE AND SPECIES, 1991
 (Nilai dalam M\$'000/Value in M\$'000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh-water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Pelbagai Miscellaneous	Jumlah Total
<i>Perlis</i>	12.76	8.67	0.53	7.49	36.62	4.94	0.00	1.28	6.02	3.01	0.00	61.29	142.61
<i>Kedah</i>	20.89	20.68	5.92	10.23	43.99	13.65	27.27	4.55	207.15	0.00	0.00	4.83	359.16
<i>P. Pinang/ Penang</i>	16.22	7.80	19.36	0.00	0.00	4.35	7.53	0.00	42.05	0.00	0.00	0.00	97.31
<i>Perak</i>	304.86	12.10	1,325.41	57.67	1,446.93	285.24	83.97	186.92	530.38	46.21	0.00	46.33	4,326.02
<i>Selangor</i>	302.59	0.04	351.41	30.74	244.13	29.14	166.45	923.11	476.32	117.02	0.00	238.80	2,879.75
<i>W. Persekutuan/ F. Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	214.80	30.35	165.09	39.48	101.82	0.30	79.42	22.71	46.32	0.06	0.00	95.81	796.16
<i>Melaka/ Malacca</i>	116.24	22.73	71.42	24.07	37.36	47.36	59.36	51.33	168.86	22.59	0.00	150.38	771.70
<i>Johor/ Johore</i>	17.90	0.24	629.33	0.40	48.01	8.85	72.77	10.64	20.19	5.51	0.00	0.68	814.52
<i>Pahang</i>	365.12	129.52	233.51	44.52	27.41	69.25	54.95	724.76	129.94	0.00	6,195.00	237.03	8,211.01
<i>Terengganu</i>	14.64	1.65	5.56	5.71	1.62	12.56	17.22	8.91	5.08	0.00	0.00	4.00	76.95
<i>Kelantan</i>	114.04	108.60	137.89	26.84	16.45	74.84	34.11	60.77	64.30	0.40	0.00	37.67	675.91
<i>Sarawak</i>	211.34	132.38	194.37	191.13	0.00	0.00	0.00	441.26	0.00	0.00	0.00	0.00	1,170.48
<i>Sabah</i>	9,336.00	12,450.00	1,100.00	350.00	0.00	17,360.00	0.00	0.00	0.00	0.00	0.00	4,692.00	45,288.00
Jumlah / Total	11,047.40	12,924.76	4,239.80	788.28	2,004.34	17,910.48	603.05	2,436.24	1,696.61	194.80	6,195.00	5,568.82	65,609.58

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Baung dan Sepat Siam
 Note: Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN DARI KOLAM AIR TAWAR
MENGIKUT NEGERI DAN SPESIS 1991
ESTIMATED RETAIL VALUE OF PRODUCTIONS FROM FRESHWATER PONDS
BY STATE AND SPECIES, 1991
(Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 15.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh-water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Belut Eel	Pelbagai Miscellaneous	Jumlah Total
<i>Pertlis</i>	15.42	10.63	0.70	13.02	41.49	5.78	0.00	1.67	9.03	3.32	0.00	91.94	193.00
<i>Kedah</i>	28.04	29.45	7.53	12.79	52.62	18.25	35.27	6.20	286.13	0.00	0.00	6.59	482.87
<i>P.Pinang/Penang</i>	17.75	9.30	26.40	0.00	0.00	8.25	10.60	0.00	64.09	0.00	0.00	0.00	136.39
<i>Perak</i>	418.10	17.17	1,953.03	92.08	1,859.67	408.50	110.76	254.89	737.92	52.17	0.00	64.67	5,968.96
<i>Selangor</i>	405.73	0.06	433.46	37.02	310.11	39.49	236.72	1,169.69	618.23	157.95	0.00	443.20	3,851.66
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	268.96	46.69	327.87	71.42	140.67	0.35	109.73	27.96	70.90	0.11	0.00	125.13	1,189.79
<i>Melaka/Malacca</i>	127.12	26.52	86.29	30.61	49.37	55.10	74.66	62.60	239.36	28.76	0.00	194.04	974.43
<i>Johor/Johore</i>	21.71	0.28	838.58	0.55	58.20	11.52	95.88	13.96	29.61	6.75	0.00	0.90	1,077.94
<i>Pahang</i>	466.34	147.97	314.46	54.55	33.91	73.31	76.62	869.71	172.37	0.00	6,195.00	290.60	8,694.84
<i>Terengganu</i>	15.69	2.05	6.81	6.85	2.03	13.68	21.67	12.28	6.93	0.00	0.00	5.91	93.90
<i>Kelantan</i>	153.65	128.52	160.37	31.08	21.75	84.20	39.19	72.92	80.67	0.61	0.00	46.84	819.80
<i>Sarawak</i>	237.24	137.22	232.22	230.20	0.00	0.00	0.00	471.36	0.00	0.00	0.00	0.00	1,308.24
<i>Sabah</i>	10,892.00	14,940.00	1,320.00	400.00	0.00	19,840.00	0.00	0.00	0.00	0.00	0.00	5,474.00	52,866.00
Jumlah/Total	13,067.75	15,495.86	5,707.72	980.17	2,569.82	20,558.43	811.10	2,963.24	2,315.24	249.67	6,195.00	6,743.82	77,657.82

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Baung dan Sepat Siam
 Note: Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gourami

MALAYSIA
 BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
 SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1991
 NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND
 NUMBER OF CULTURISTS BY RACE AND STATE, 1991

JADUAL(TABLE) 16.1

Negeri <i>State</i>	Bekas Lombong <i>Ex Mining Pools</i>		Bilangan Penternak Ikan <i>Number Of Culturists</i>				
	Bilangan <i>Number</i>	Luas (ha) <i>Area (ha)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
<i>Perlis</i>	0	0.00	0	0	0	0	0
<i>Kedah</i>	3	6.25	2	1	0	0	3
<i>P.Pinang/Penang</i>	0	0.00	0	0	0	0	0
<i>Perak</i>	163	339.46	54	79	0	6	139
<i>Selangor</i>	178	247.77	44	53	2	14	113
<i>W.Persekutuan/ F.Territory</i>	0	0.00	0	0	0	0	0
<i>N. Sembilan</i>	32	45.52	4	23	0	2	29
<i>Melaka</i>	2	3.45	1	1	0	0	2
<i>Johor</i>	2	1.74	2	0	0	0	2
<i>Pahang</i>	0	0	0	0	0	0	0
<i>Terengganu</i>	0	0	0	0	0	0	0
<i>Kelantan</i>	0	0	0	0	0	0	0
<i>Sarawak</i>	0	0	0	0	0	0	0
<i>Sabah</i>	0	0	0	0	0	0	0
Jumlah/Total:	380	644.19	107	157	2	22	288

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG AIR TAWAR
MENGIKUT NEGERI DAN JENIS IKAN, 1991
ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Weight in Tonnes)

JADUAL (TABLE) 16.2

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh- Water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Pelbagai Miscellaneous	Jumlah Total
<i>Perlis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	0.26	0.92	0.13	3.49	1.25	0.89	0.14	0.00	0.51	0.00	4.67	12.26
<i>P.Pinang/Penang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Perak</i>	1.90	0.00	69.46	280.65	12.60	26.46	197.35	11.32	0.00	0.00	6.50	606.24
<i>Selangor Darul Ehsan</i>	1.20	0.48	19.17	240.77	0.18	0.61	6.64	0.66	0.00	0.00	0.61	270.32
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	10.35	26.40	0.00	0.00	6.15	0.00	0.00	0.00	0.00	42.90
<i>Melaka/Malacca</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Johor/Johore</i>	4.75	2.20	0.95	1.79	0.00	2.93	0.00	0.00	1.45	0.46	2.68	17.21
<i>Terengganu</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kelantan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pahang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	8.11	3.60	100.06	553.10	14.03	30.89	210.28	11.98	1.96	0.46	14.46	948.93

Nota: Pelbagai - Termasuk ikan-ikan Patin, Haruan, Baung dan Sepat Siam.
Note: Miscellaneous - Include Snake Head, River Catfish and Snakeskin Gouramy.

JADUAL (TABLE) 16.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIS IKAN, 1991
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTIONS FROM EX-MINING POOLS
BY STATE AND SPECIES, 1991
 (Nilai dalam M\$'000/Value in M\$'000)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh-water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Pelbagai Miscellaneous	Jumlah Total
<i>Perlis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	0.60	2.66	0.35	10.46	16.83	2.29	0.41	0.00	1.41	0.00	13.46	48.47
<i>P.Pinang/Penang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Perak</i>	5.33	0.00	236.15	493.94	193.91	74.09	834.77	72.19	0.00	0.00	22.49	1,932.87
<i>Selangor</i>	0.70	1.52	75.53	1,331.46	3.29	1.69	31.16	4.83	0.00	0.00	3.64	1,453.82
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	29.70	74.71	0.00	0.00	23.37	0.00	0.00	0.00	0.00	127.78
<i>Melaka/Malacca</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Johor/Johore</i>	18.95	8.03	3.78	7.17	0.00	8.45	0.00	0.00	5.71	9.14	13.15	74.38
<i>Pahang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Terengganu</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kelantan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	25.58	12.21	345.51	1,917.74	214.03	86.52	889.71	77.02	7.12	9.14	52.74	3,637.32

Nota: Pelbagai -Termasuk ikan-ikan Patin, Haruan, Baung dan Sepat Siam.
 Note: Miscellaneous -Include Snake Head, River Catfish and Snakeskin Gouramy.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN BEKAS LOMBONG
MENGIKUT SPESIS DAN JENIS IKAN, 1991
ESTIMATED RETAIL VALUE OF PRODUCTION FROM EX-MINING POOLS
BY STATE AND SPECIES, 1991
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 16.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Udang Galah Giant Fresh-water Prawn	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Keli Freshwater Catfish	Ketutu Goby	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.81	3.79	0.44	13.08	20.13	3.06	0.52	0.00	1.95	0.00	18.34	62.12
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	7.31	0.00	347.97	788.63	249.23	106.10	1,101.19	98.44	0.00	0.00	31.40	2,730.27
Selangor	0.94	2.00	93.17	1,603.53	4.18	2.29	44.31	6.11	0.00	0.00	6.76	1,763.29
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	59.00	135.17	0.00	0.00	32.29	0.00	0.00	0.00	0.00	226.46
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor/Johore	22.99	9.35	5.04	9.84	0.00	11.01	0.00	0.00	8.38	11.19	17.46	95.26
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	32.05	15.14	505.62	2,550.25	273.54	122.46	1,178.31	104.55	10.33	11.19	73.96	4,877.40

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Baung dan Sepat Siam
 Note: Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRTAWAR YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1991
NUMBER AND AREA OF FRESHWATER CAGES AND NUMBER OF CULTURISTS
BY STATE, 1991

JADUAL (TABLE) 17.1

Negeri State	Sangkar Airtawar Freshwater Cages		Bilangan Penternak Ikan No. Of Culturists				
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	20	180.00	1	0	0	1	2
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	372	4,747.82	22	2	0	1	25
Selangor	857	14,391.20	10	3	0	1	14
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	170	1,550.54	1	5	0	0	6
Melaka/Malacca	131	1,180.16	6	15	0	0	21
Johor/Johore	135	1,321.55	16	1	0	0	17
Pahang	104	1,037.10	60	8	0	0	68
Terengganu	22	205.00	3	0	0	0	3
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	1,811	24,613.37	119	34	0	3	156

JADUAL (TABLE) 17.2

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN JENIS IKAN, 1991
ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1991
 (Kuantiti dalam Tan Metrik/Weight in Tonnes)

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Patin River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.79	0.00	2.83	5.34
P.Pinang/ Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.32	21.18	0.12	0.00	0.45	0.00	3.54	0.90	0.00	1.06	27.57
Selangor D.E.	0.04	65.19	0.00	0.00	0.00	0.00	46.85	0.46	0.00	0.20	112.74
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2.00
Melaka/Malacca	12.82	15.40	0.02	0.00	1.28	0.00	14.51	0.06	0.00	0.21	44.30
Johor/Johore D.T.	17.99	8.14	23.70	0.00	0.15	0.00	278.81	4.37	0.00	9.84	343.00
Pahang D.M.	0.00	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00	0.00	2.14
Terengganu	0.00	29.89	1.23	0.00	0.00	0.00	5.67	0.00	0.00	0.09	36.88
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	31.17	139.80	25.07	0.00	4.02	0.00	352.10	7.58	0.00	14.23	573.97

Pelbagai - Termasuk ikan-ikan, Haruan, Baung dan Sepat Siam.
 Miscellaneous - Includes, River Catfish and Snakeskin Gouramy.

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN SANGKAR AIRTAWAR
MENGIKUT NEGERI DAN SPESIES IKAN, 1991
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND SPECIES, 1991
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 17.3

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
<i>Perlis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	0.00	0.00	0.00	0.00	0.00	0.00	2.17	14.32	7.94	24.43
<i>P. Pinang/ Penang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Perak</i>	0.90	65.65	0.41	0.00	9.53	0.00	14.97	5.74	3.68	100.88
<i>Selangor</i>	0.14	205.34	0.00	0.00	0.00	0.00	219.70	3.36	1.17	429.71
<i>W. Persekutuan/ F. Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	7.60	0.00	0.00	7.60
<i>Melaka/ Malacca</i>	41.02	46.20	0.06	0.00	28.16	0.00	56.31	0.53	1.59	173.87
<i>Johor/ Johore</i>	71.76	29.70	94.80	0.00	3.01	0.00	1,237.90	29.16	48.30	1,514.63
<i>Pahang</i>	0.00	0.00	0.00	0.00	55.22	0.00	0.00	0.00	0.00	55.22
<i>Terengganu</i>	0.00	115.68	5.01	0.00	0.00	0.00	23.23	0.00	0.23	144.15
<i>Kelantan</i>	0.00	4.61	0.00	0.00	0.00	0.00	4.01	0.00	0.67	9.29
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	113.82	467.18	100.28	0.00	95.92	0.00	1,565.89	53.11	63.58	2,459.78

Nota: Pelbagai termasuk ikan Haruan, Baung dan Sepat Siam
 Note: Miscellaneous includes Snakehead, River Catfish and Snakeskin Gourami

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN SANGKAR AIRTAWAR MENGIKUT NEGERI DAN SPESIES, 1991
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1991
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 17.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Ketutu Goby	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jelawat River Carp	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	2.81	19.51	10.82	33.14
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	1.23	93.18	0.60	0.00	10.75	0.00	19.75	7.83	5.13	138.47
Selangor	0.19	270.53	0.00	0.00	0.00	0.00	312.46	4.26	2.18	589.62
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	10.50	0.00	0.00	10.50
Melaka/Malacca	40.90	53.90	0.07	0.00	35.84	0.00	70.82	0.65	2.05	204.23
Johor/Johore	87.05	34.59	126.32	0.00	3.69	0.00	1,631.02	38.25	64.13	1,985.05
Pahang	0.00	0.00	0.00	0.00	60.68	0.00	0.00	0.00	0.00	60.68
Terengganu	0.00	143.48	6.14	0.00	0.00	0.00	29.24	0.00	0.34	179.20
Kelantan	0.00	5.45	0.00	0.00	0.00	0.00	4.60	0.00	0.83	10.88
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	129.37	601.13	133.13	0.00	110.96	0.00	2,081.20	70.50	85.48	3,211.77

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Baung dan Sepat Siam
 Note: Miscellaneous - Includes Goby, Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
BILANGAN DAN LUAS KOLAM BINAAN AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1991
NUMBER AND AREA OF BRACKISHWATER PONDS AND NUMBER OF
CULTURISTS BY RACE AND STATE, 1991

Negeri State	Kolam Airpayau Brackishwater Ponds		Bilangan Penternak Ikan Number Of Culturists				
	Bilangan Number	Luas (ha) Acreage (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	1	0.63	1	0	0	0	1
Kedah	105	39.43	51	5	1	10	67
P.Pinang/Penang	4	1.34	4	0	0	0	4
Perak	180	91.51	13	24	0	6	43
Selangor	119	33.28	33	13	0	0	46
W.Persekutuan/ F.Territory	0	0.00	0	0	0	0	0
N. Sembilan	36	18.00	0	3	0	0	3
Melaka/Malacca	7	2.51	4	3	0	0	7
Johor/Johore	750	724.75	47	77	0	20	144
Pahang	83	252.75	26	8	0	0	34
Terengganu	54	9.57	35	2	0	0	37
Kelantan	95	16.86	62	0	0	0	62
Sarawak	11	1.20	9	2	0		11
Sabah	467	439.63	0	0	0	130	130
Jumlah/Total:	1,912	1,631.46	285	137	1	166	589

MALAYSIA
 ANGGAHAN PENGELUARAN KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIS IKAN, 1991
 ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS BY STATE AND SPECIES, 1991
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 18.2

Negeri <i>State</i>	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
<i>Perlis</i>	0.60	0.00	0.02	0.00	0.00	0.00	0.00	0.62
<i>Kedah</i>	2.94	0.00	0.00	0.73	44.41	0.00	0.00	48.08
<i>P.Pinang/Penang</i>	1.16	0.05	0.00	0.00	0.30	0.00	0.06	1.57
<i>Perak</i>	9.29	0.00	2.50	9.46	64.46	1.65	0.17	87.53
<i>Selangor</i>	7.12	1.63	0.79	0.07	47.58	0.00	0.00	57.19
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	15.61	0.00	0.00	15.61
<i>Melaka/Malacca</i>	0.31	0.00	0.01	2.92	3.90	0.00	0.00	7.14
<i>Johor/Johore</i>	83.31	0.50	0.30	132.99	1,423.81	0.00	1.53	1,642.44
<i>Pahang</i>	81.06	36.11	15.30	14.89	321.63	0.55	66.26	535.80
<i>Terengganu</i>	1.10	0.00	0.63	0.87	12.54	0.26	0.04	15.44
<i>Kelantan</i>	5.99	0.00	0.02	0.04	11.64	0.00	0.86	18.55
<i>Sarawak</i>	0.00	0.00	0.00	0.00	49.19	0.00	0.00	49.19
<i>Sabah</i>	0.00	0.00	0.00	0.00	900.00	0.00	0.00	900.00
Jumlah/Total:	192.89	38.29	19.57	161.98	2,895.06	2.46	68.92	3,379.16

Pelbagai - Termasuk ikan-ikan seperti Tanda, Dengkis, Cermin dan Talang.
 Miscellaneous - Includes Snapper, Rabbitfish and Horse Mackerel and Queenfish.

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1991
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND SPECIES, 1991
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 18.3

Negeri/State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
<i>Perlis</i>	4.20	0.00	0.17	0.00	0.00	0.00	0.00	4.37
<i>Kedah</i>	25.76	0.00	0.00	14.02	681.18	0.00	0.00	720.96
<i>P. Pinang/Penang</i>	11.60	1.17	0.00	0.00	5.70	0.00	0.51	18.98
<i>Perak</i>	72.46	0.00	32.50	175.01	1,128.05	14.03	1.28	1,423.33
<i>Selangor</i>	62.66	23.18	7.11	1.38	900.31	0.00	0.00	994.64
<i>W. Persekutuan/ F. Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	296.52	0.00	0.00	296.52
<i>Melaka/Malacca</i>	2.90	0.00	0.09	52.49	80.00	0.00	0.00	135.48
<i>Johor/Johore</i>	812.27	9.00	3.10	3,191.83	28,960.00	0.00	27.59	33,003.79
<i>Pahang</i>	729.57	541.71	130.05	285.94	5,146.05	4.32	410.80	7,248.44
<i>Terengganu</i>	7.58	0.03	4.53	16.16	178.68	1.45	0.23	208.66
<i>Kelantan</i>	50.95	0.00	0.16	0.81	168.68	0.00	5.19	225.79
<i>Sarawak</i>	0.00	0.00	0.00	0.00	787.04	0.00	0.00	787.04
<i>Sabah</i>	0.00	0.00	0.00	0.00	11,700.00	0.00	0.00	11,700.00
Jumlah/Total:	1,779.95	575.09	177.71	3,737.64	50,032.21	19.80	445.60	56,768.00

Pelbagai - termasuk ikan ikan Tanda, Dengkis, Cupak/Cermin dan Talang
 Miscellaneous - includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN KOLAM AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIS IKAN 1991
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
BY STATE AND SPECIES, 1991
 (Nilai Dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 18.4

Negeri/State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
<i>Perlis</i>	5.28	0.00	0.21	0.00	0.00	0.00	0.00	5.49
<i>Kedah</i>	33.38	0.00	0.00	15.04	899.21	0.00	0.00	947.63
<i>P. Pinang/Penang</i>	13.92	1.67	0.00	0.00	6.75	0.00	0.69	23.03
<i>Perak</i>	88.26	0.00	37.50	192.04	1,224.74	16.50	1.56	1,560.60
<i>Selangor</i>	69.79	27.33	7.90	1.50	1,142.04	0.00	0.00	1,248.56
<i>W. Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	324.61	0.00	0.00	324.61
<i>Melaka/Malacca</i>	3.34	0.00	0.10	77.57	89.76	0.00	0.00	170.77
<i>Johor/Johore</i>	928.07	10.56	3.60	3,590.81	38,442.87	0.00	30.66	43,006.57
<i>Pahang</i>	851.16	650.05	148.44	348.49	5,950.12	6.48	523.44	8,478.18
<i>Terengganu</i>	9.37	0.05	6.26	18.03	230.46	1.64	0.30	266.11
<i>Kelantan</i>	55.44	0.00	0.21	0.87	186.13	0.00	6.74	249.39
<i>Sarawak</i>	0.00	0.00	0.00	0.00	885.53	0.00	0.00	885.53
<i>Sabah</i>	0.00	0.00	0.00	0.00	13,500.00	0.00	0.00	13,500.00
Jumlah/Total	2,058.01	689.66	204.22	4,244.35	62,882.22	24.62	563.39	70,666.47

Nota: Pelbagai -Termasuk ikan-ikan Tanda, Dengkis, Cermin dan Talang
 Note: Miscellaneous- Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1991
NUMBER AND AREA OF BRACKISHWATER CAGES AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1991

JADUAL (TABLE) 19.1

Negeri State	Sangkar Airpayau Brackishwater Cages		Bilangan Penternak Ikan No. Of Culturists				
	Bilangan Number	Luas (m2) Area In Sq. Metres	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
<i>Pertis</i>	0	0.00	0	0	0	0	0
<i>Kedah</i>	170	74.12	42	8	0	1	51
<i>P.Pinang/ Penang</i>	11,682	70,240.91	31	215	0	0	246
<i>Perak</i>	7,047	53,498.16	37	137	0	2	176
<i>Selangor</i>	6,916	88,107.59	19	130	0	0	149
<i>W.Persekutuan/ F.Territory</i>	0	0.00	0	0	0	0	0
<i>N. Sembilan</i>	28	260.12	9	0	0	0	9
<i>Melaka/Malacca</i>	4	148.64	2	0	0	0	2
<i>Johor/Johore</i>	4558	56,240.46	80	120	0	7	207
<i>Pahang</i>	32	64.00	1	0	0	0	1
<i>Terengganu</i>	835	7,546.40	27	0	0	0	27
<i>Kelantan</i>	275	16,196.75	73	2	0	0	75
<i>Sarawak</i>	0	0.00	0	0	0	0	0
<i>Sabah</i>	936	9,400.00	0	0	0	47	47
Jumlah/Total:	32,483	301,777.15	321	612	0	57	990

MALAYSIA
ANGGARAN PENGELUARAN HASIL IKAN DARI SANGKAR AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIS IKAN, 1991
ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
BY STATE AND SPECIES, 1991
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 19.2

Negeri State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Pelbagai <i>Miscellaneous</i>	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	2.52	4.82	3.79	0.00	0.00	0.00	0.00	0.00	11.13
P.Pinang/Penang	401.12	59.87	47.60	1.18	0.00	0.00	28.43	0.00	538.20
Perak	157.55	13.03	8.59	0.00	0.00	0.00	0.00	0.00	179.17
Selangor	946.29	15.53	12.24	3.58	0.00	0.00	36.45	0.00	1,014.09
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	1.18	0.99	0.55	0.24	0.00	0.00	0.00	0.00	2.96
Johor/Johore	317.79	19.01	6.01	1.91	0.15	0.00	27.43	0.07	372.37
Pahang	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58
Terengganu	3.80	0.76	0.00	0.00	0.00	0.00	0.00	0.07	4.63
Kelantan	3.97	1.35	0.00	0.02	0.00	0.00	0.00	0.01	5.35
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	na	na	na	na	na	na	na	na	na
Jumlah/Total:	1,836.80	115.36	78.78	6.93	0.15	0.00	92.31	0.15	2,130.48

Nota : Termasuk ikan-ikan seperti Tanda, Dengkis, Cupak/Cermin dan Talang.

Note : Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

na: Tidak ada

na: Not available

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN SANGKAR AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIES IKAN.1991
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
BY STATE AND SPECIES,1991
 (Nilai Dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 19.3

Negeri/State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	22.04	125.24	37.91	0.00	0.00	0.00	0.00	0.00	185.19
P. Pinang/Penang	4,011.16	1,396.65	475.95	11.19	0.00	0.00	241.66	0.00	6,136.61
Perak	1,228.88	286.64	111.71	0.00	0.00	0.00	0.00	0.00	1,627.23
Selangor	8,327.38	221.33	110.13	35.44	0.00	0.00	346.28	0.00	9,040.56
W. Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka/Malacca	10.99	14.50	5.08	2.07	0.00	0.00	0.00	0.00	32.64
Johor/Johore	3,098.41	342.17	62.16	16.83	3.60	0.00	198.83	1.22	3,723.22
Pahang	23.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.22
Terengganu	26.14	7.58	0.00	0.00	0.00	0.00	0.00	0.35	34.07
Kelantan	33.72	17.59	0.00	0.18	0.00	0.00	0.00	0.03	51.52
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	16,781.94	2,411.70	802.94	65.71	3.60	0.00	786.77	1.60	20,854.26

Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
 Miscellaneous -Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN SANGKAR AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIES IKAN.1991
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
BY STATE AND SPECIES 1991
 (Nilai dalam M\$'000/Value in M\$'000)

JADUAL (TABLE) 19.4

Negeri/State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Udang Harimau <i>Tiger Prawn</i>	Ketam <i>Mud Crab</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
<i>Perlis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	28.56	149.33	43.60	0.00	0.00	0.00	0.00	0.00	221.49
<i>P. Pinang/Penang</i>	4,813.44	1,995.30	704.41	14.14	0.00	0.00	298.52	0.00	7,825.81
<i>Perak</i>	1,496.72	377.84	128.90	0.00	0.00	0.00	0.00	0.00	2,003.46
<i>Selangor</i>	9,237.67	260.94	122.37	40.10	0.00	0.00	419.18	0.00	10,080.26
<i>W. Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Melaka/Malacca</i>	12.65	17.08	5.49	2.40	0.00	0.00	0.00	0.00	37.62
<i>Johor/Johore</i>	3,540.13	401.29	72.14	21.01	4.05	0.00	226.26	1.36	4,266.24
<i>Pahang</i>	27.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.09
<i>Terengganu</i>	32.30	12.61	0.00	0.00	0.00	0.00	0.00	0.47	45.38
<i>Kelantan</i>	36.69	31.80	0.00	0.20	0.00	0.00	0.00	0.04	68.73
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total	19,225.25	3,246.19	1,076.91	77.85	4.05	0.00	943.96	1.87	24,576.08

Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
 Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA
BILANGAN PENTERNAK , KAWASAN DAN LUAS KAWASAN
TERNAKAN KERANG MENGIKUT NEGERI 1991
NUMBER OF CULTURISTS , AREA AND SIZE
OF COCKLE CULTURE BY STATE 1991

JADUAL (TABLE) 20.1

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan TOL (ha) Area (ha)
Perlis	1	1	15.88
Kedah	2	2	30.01
P. Pinang / Penang	59	59	1,325.50
Perak	63	113	3,079.04
Selangor	15	16	1,055.57
W. Persekutuan/ F. Territory	0	0	0.00
N. Sembilan	10	1	320.15
Melaka/ Malacca	0	0	0.00
Johor/Johore	44	9	213.65
Pahang	0	0	0.00
Terengganu	0	0	0.00
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
Jumlah/Total	194	197	5,673.76

MALAYSIA
PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI 1991
PRODUCTION OF COCKLES BY MONTH AND STATE 1991
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.2

Negeri <i>State</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah <i>Total</i>
<i>Perlis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>P.Pinang/Penang</i>	2,662.00	640.30	705.00	1,413.00	622.50	705.00	710.00	707.00	717.00	670.00	620.00	706.00	10,877.80
<i>Perak</i>	2,360.00	2,320.00	1,662.12	2,843.79	2,370.00	2,300.00	2,408.80	2,683.50	2,198.00	1,625.00	2,445.00	2,590.00	27,806.21
<i>Selangor</i>	141.52	173.44	622.52	512.28	600.93	771.19	692.16	810.11	760.67	659.29	272.86	635.26	6,652.23
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N.Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Melaka/Malacca</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Johor/Johore</i>	23.60	10.00	12.30	11.60	5.00	7.59	9.46	6.00	4.50	49.50	51.50	18.50	209.55
<i>Pahang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Terengganu</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kelantan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	85.00	87.00	82.00	86.50	87.50	87.35	99.25	92.50	92.30	88.50	93.30	98.10	1,079.30
Jumlah/Total:	5,272.12	3,230.74	3,083.94	4,867.17	3,685.93	3,871.13	3,919.67	4,299.11	3,772.47	3,092.29	3,482.66	4,047.86	46,625.09

MALAYSIA
PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI 1991
PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE 1991
(TAN METRIK/TONNES)

JADUAL (TABLE) 20.3

Negeri <i>State</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah <i>Total</i>
<i>Pertis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>P.Pinang/Penang</i>	0.00	44.25	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.25
<i>Perak</i>	200.00	224.50	7.42	0.00	421.33	262.92	0.00	0.00	0.00	0.00	0.00	0.00	1,116.17
<i>Selangor</i>	0.00	731.39	0.00	641.51	904.62	0.00	14.04	0.00	0.00	0.00	0.00	0.00	2,291.56
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Melaka/Malacca</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Johor/Johore</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pahang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Terengganu</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kelantan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	200.00	1,000.14	37.42	641.51	1,325.95	262.92	14.04	0.00	0.00	0.00	0.00	0.00	3,481.98

MALAYSIA **JADUAL (TABLE) 21.1**
BILANGAN PENTERNAK , KAWASAN DAN LUAS KAWASAN
TERNAKAN SIPUT SUDU MENGIKUT NEGERI 1991
NUMBER OF CULTURISTS , AREA AND SIZE
OF MUSSELS CULTURE BY STATE 1991

Negeri State	Bilangan Penternak (No. of Culturist)	Bilangan Kawasan (No. of Area)	Luas Kawasan Tol (m2) Area (m2)
Perlis	0	0	0.00
Kedah	28	38	1,525.00
P. Pinang / Penang	0	0	0.00
Perak	3	3	1,050.00
Selangor	14	15	772.00
W. Persekutuan/ F. Territory	0	0	0.00
N. Sembilan	23	2	1,724.05
Melaka/ Malacca	68	6	5,919.48
Johor/Johore	70	8	<u>30,032.63</u>
Pahang	0	0	0.00
Terengganu	0	0	0.00
Kelantan	0	0	0.00
Sarawak	0	0	0.00
Sabah	0	0	0.00
Jumlah/Total	206	72	41,023.16

MALAYSIA
PENDARATAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI 1991
PRODUCTION OF MUSSELS BY MONTH AND STATE 1991
(TAN METRIK/TONNES)

JADUAL (TABLE) 21.2

Negeri <i>State</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Jumlah <i>Total</i>
<i>Pertlis</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	0.22	0.00	13.52	6.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.33
<i>P.Pinang/Penang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Perak</i>	10.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	100.51	0.00	0.00	119.51
<i>Selangor</i>	8.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.87	0.00	24.87
<i>Melaka/Malacca</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.62	0.00	0.00	0.00	0.00	148.62
<i>Johor/Johore</i>	128.17	105.16	91.63	82.85	98.18	136.20	92.33	162.59	93.06	93.60	84.00	63.05	1,230.82
<i>Pahang</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Terengganu</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kelantan</i>	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	146.39	107.46	105.15	89.44	116.18	136.20	92.33	311.21	93.06	194.11	108.87	63.05	1,563.45

MALAYSIA
PENDARATAN IKAN DARI PERAIRAN UMUM MENGIKUT BULAN DAN NEGERI 1991
LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES BY MONTH AND STATE 1991
(TAN METRIK/TONNES)

JADUAL(TABLE) 21.3

Negeri State	Januari January	Februari February	Mac March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Total
<i>Pertis</i>	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
<i>Kedah</i>	4.50	4.26	5.05	5.01	4.86	5.06	6.68	7.22	6.55	6.53	4.89	9.05	69.66
<i>P.Pinang/Penang</i>	0.63	0.89	0.92	1.00	0.98	0.96	0.99	0.95	0.97	0.93	0.92	0.87	11.01
<i>Perak</i>	57.28	53.53	51.41	89.39	61.74	137.27	50.68	61.67	62.41	84.74	40.42	88.67	839.21
<i>Selangor</i>	7.87	8.26	8.78	7.61	7.66	8.18	7.39	9.12	10.32	8.47	9.39	5.12	98.17
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.67	0.77	0.67	0.56	0.70	0.71	0.63	0.00	0.62	0.39	0.50	0.33	6.55
<i>Melaka/Malacca</i>	1.35	3.61	2.31	2.02	1.45	1.46	1.57	1.58	1.51	1.31	1.26	0.84	20.27
<i>Johor/Johore</i>	11.03	7.25	6.44	6.04	4.15	7.49	5.37	6.89	6.91	8.83	8.41	9.42	88.23
<i>Pahang</i>	9.02	10.16	38.00	14.63	16.79	48.39	10.63	6.72	12.46	21.53	11.70	16.01	216.04
<i>Terengganu</i>	2.45	2.52	3.39	12.66	9.95	0.62	3.68	3.30	2.60	3.36	6.50	8.06	59.09
<i>Kelantan</i>	3.29	2.69	3.68	4.26	4.14	3.33	4.19	3.23	3.79	4.64	6.97	5.52	49.73
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/Total:	98.36	93.94	120.65	143.18	112.42	213.47	91.81	100.68	108.14	140.73	90.96	143.89	1,458.23

MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1991
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1991
(\$/Kg)

JADUAL (TABLE) 22.1

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Belut Eel	Pelbagai Miscellaneous
Perlis	2.40	3.10	2.55	2.10	3.00	3.50	13.24	3.00	14.60	6.20	0.00	3.00
Kedah	2.31	2.90	2.75	3.00	2.58	3.00	13.46	2.78	12.00	8.00	0.00	2.81
P.Pinang/Penang	2.65	2.60	2.42	4.50	2.90	3.55	20.50	2.90	19.45	9.50	0.00	3.00
Perak	2.80	3.10	3.40	1.76	2.80	4.23	15.39	3.91	21.17	6.38	0.00	3.46
Selangor	3.55	3.15	3.94	5.53	2.76	4.69	18.50	3.86	21.67	7.30	0.00	5.97
W.Persekutuan/ F.Territory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N. Sembilan	3.45	3.25	2.87	2.83	3.00	3.80	11.40	3.92	12.00	7.00	0.00	4.64
Melaka/Malacca	3.20	3.00	3.17	2.10	2.75	3.88	14.10	4.00	22.00	8.20	0.00	7.75
Johor/Johore	3.99	3.65	4.00	4.01	2.88	4.44	16.17	3.94	20.00	6.67	0.00	4.91
Pahang	4.22	4.00	3.75	3.33	4.25	3.50	15.20	4.90	25.78	25.00	14.00	6.77
Terengganu	3.50	3.87	4.08	4.17	3.67	4.10	12.95	4.03	30.20	6.80	0.00	2.52
Kelantan	3.34	4.58	4.60	4.17	4.00	4.29	12.40	3.81	8.75	7.50	0.00	3.53
Sarawak	8.16	6.57	5.70	5.43	4.97	7.94	19.67	8.94	14.55	14.66	0.00	0.00
Sabah	6.00	10.00	10.00	7.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
Harga Bertimbang Weighted Price	5.42	8.94	4.30	3.70	6.67	4.31	15.28	3.73	21.98	10.03	14.00	5.72

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Baung dan Sepat Siam
Note: Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1991
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND SPECIES, 1991
(\$/Kg)

JADUAL (TABLE) 22.2

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Udang Galah Giant Fresh- water Prawn	Keli Freshwater Catfish	Ketutu Goby	Jelawat River Carp	Belut Eel	Pelbagai Miscellaneous
<i>Perlis</i>	2.90	3.80	3.40	3.65	3.50	4.80	15.00	4.50	16.10	8.10	0.00	4.50
<i>Kedah</i>	3.10	4.13	3.50	3.75	3.45	3.88	16.10	3.84	17.00	10.90	0.00	3.83
<i>P.Pinang/Penang</i>	2.90	3.10	3.30	5.00	3.50	5.00	24.00	4.42	22.00	12.00	0.00	4.00
<i>Perak</i>	3.84	4.40	5.01	2.81	4.01	5.58	19.78	5.44	23.90	8.70	0.00	4.83
<i>Selangor</i>	4.76	4.15	4.86	5.66	3.74	6.67	23.50	5.01	29.25	9.25	0.00	11.08
<i>W.Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	4.32	5.00	5.70	5.12	3.50	5.25	15.75	6.00	22.00	8.62	0.00	6.06
<i>Melaka/Malacca</i>	3.50	3.50	3.83	2.67	3.20	4.88	18.63	5.67	28.00	10.00	0.00	10.00
<i>Johor/Johore</i>	4.84	4.25	5.33	5.50	3.75	5.85	19.60	5.78	24.50	8.75	0.00	6.52
<i>Pahang</i>	5.39	4.57	5.05	4.08	4.50	4.88	18.80	6.50	28.33	30.00	14.00	8.30
<i>Terengganu</i>	3.75	4.80	5.00	5.00	4.00	5.16	16.25	5.50	33.00	9.37	0.00	3.72
<i>Kelantan</i>	4.50	5.42	5.35	4.83	4.50	4.93	16.40	4.78	13.12	9.00	0.00	4.39
<i>Sarawak</i>	9.16	6.81	9.00	6.54	5.97	9.05	20.66	10.00	15.55	15.66	0.00	0.00
<i>Sabah</i>	7.00	12.00	12.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
Harga Bertimbang Weighted Price	6.41	10.75	5.82	4.80	7.67	5.74	19.59	5.10	27.26	12.27	14.00	6.95

Nota: Pelbagai - Termasuk Ikan-Ikan, Haruan, Baung dan Sepat Siam
Note: Miscellaneous - Includes, Snake Head, River Catfish and Snakeskin Gouramy

MALAYSIA
HARGA BORONG IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1991
WHOLESALE PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1991
(\$/Kg)

JADUAL (TABLE) 22.3

Negeri/State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Ketam <i>Mud Crab</i>	Udang Harimau <i>Tiger Prawn</i>	Kerang <i>Cockles</i>	Siput Sudu <i>Mussels</i>	Pelbagai <i>Miscellaneous</i>
<i>Perlis</i>	7.00	0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	8.75	26.00	10.00	0.00	19.10	0.00	15.34	0.00	0.70	0.00
<i>P. Pinang/Penang</i>	10.00	23.33	10.00	9.50	18.35	8.50	19.00	0.40	0.00	8.50
<i>Perak</i>	7.80	22.00	13.00	0.00	18.50	8.50	17.50	0.25	0.60	7.50
<i>Selangor</i>	8.80	14.25	9.00	9.90	19.50	9.50	18.92	0.25	1.10	0.00
<i>W. Persekutuan/ F. Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00	0.80	0.00
<i>Melaka/Malacca</i>	9.30	14.60	9.25	8.50	18.00	0.00	20.50	0.00	0.80	0.00
<i>Johor/Johore</i>	9.75	18.00	10.34	8.80	24.00	7.25	20.34	0.34	0.42	18.00
<i>Pahang</i>	9.00	15.00	8.50	0.00	19.20	8.00	16.00	0.00	0.00	6.20
<i>Terengganu</i>	6.88	10.00	7.20	0.00	18.55	5.67	14.25	0.00	0.50	5.13
<i>Kelantan</i>	8.50	13.00	8.00	8.90	18.90	0.00	14.50	0.00	0.30	6.05
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	10.00	1.00	0.00	0.00
Harga Bertimbang Weighted Price	9.14	19.43	9.97	9.48	23.07	8.51	20.35	0.30	0.56	6.49

Pelbagai - termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
Miscellaneous - includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

MALAYSIA

JADUAL (TABLE) 22.4

HARGA RUNCIT IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1991

RETAIL PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1991

(\$/Kg)

Negeri/State	Siakap <i>Barramundi</i>	Kerapu <i>Grouper</i>	Jenahak <i>Mangrove Snapper</i>	Merah <i>Red Snapper</i>	Udang Putih <i>Banana Prawn</i>	Ketam <i>Mud Crab</i>	Udang Harimau <i>Tiger Prawn</i>	Kerang <i>Cockles</i>	Siput Sudu <i>Mussels</i>	Pelbagai <i>Miscellaneous</i>
<i>Pertis</i>	8.80	0.00	9.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Kedah</i>	11.34	31.00	11.50	0.00	20.50	0.00	20.25	0.00	1.00	0.00
<i>P. Pinang/Penang</i>	12.00	33.33	14.80	12.00	22.00	10.50	22.50	0.60	0.00	11.50
<i>Perak</i>	9.50	29.00	15.00	0.00	20.30	10.00	19.00	0.50	1.00	9.20
<i>Selangor</i>	9.80	16.80	10.00	11.20	21.15	11.50	24.00	0.40	1.50	0.00
<i>W. Persekutuan/ F.Territory</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>N. Sembilan</i>	0.00	0.00	0.00	0.00	0.00	0.00	20.80	0.00	1.00	0.00
<i>Melaka/Malacca</i>	10.70	17.20	10.00	10.00	26.60	0.00	23.00	0.00	1.00	0.00
<i>Johor/Johore</i>	11.14	21.11	12.00	11.00	27.00	8.25	23.50	0.65	0.75	20.00
<i>Pahang</i>	10.50	18.00	9.70	0.00	23.40	12.00	18.50	0.00	0.00	7.90
<i>Terengganu</i>	8.50	16.63	10.00	0.00	20.70	6.44	18.38	0.00	0.78	6.80
<i>Kelantan</i>	9.25	23.50	9.60	10.00	20.30	0.00	16.00	0.00	0.75	7.85
<i>Sarawak</i>	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00
<i>Sabah</i>	0.00	0.00	0.00	0.00	0.00	0.00	15.00	1.50	0.00	0.00
Harga Bertimbang Weighted Price	10.48	25.61	13.02	11.23	26.20	10.22	21.72	0.57	0.80	8.20

Pelbagai - Termasuk ikan-ikan Tanda, Dengkis, Cupak/Cermin dan Talang.

Miscellaneous - Includes Snapper, Rabbit fish, Horse Mackerel and Queenfish.

PUSAT PENETASAN BENIH UDANG



PRAWN FRY HATCHERY CENTRE

MALAYSIA
PENGELUARAN BENIH IKAN AIRTAWAR DARI PUSAT-PUSAT PEMBAIKBIK IKAN
KERAJAAN MENGIKUT PUSAT DAN SPESIES, 1991
PRODUCTION OF FRESHWATER FINGERLINGS FROM GOVERNMENT HATCHERIES
BY HATCHERY AND SPECIES, 1991

JADUAL (TABLE) 23.1

Spesies (Species) Pusat Pembaikbiak (Hatchery)	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Nilotika Tilapia Nilotica	Tilapia Merah Red Tilapia	Kap Kepala Besar Big Head Carp	Keli Freshwater Catfish	Jelawat River Carp	Kap Rumput Grass Carp	Patin River Catfish	Lain- Lain Others	Jumlah Total
<i>PPA Bukit Tinggi</i>	8,487,833	937,287	787,689	0	1,989,897	13,150	200	0	0	0	537	12,216,593
<i>PPA Jitra, Kedah</i>	3,023,286	579,208	0	51,601	417,782	87,770	0	0	0	0	0	4,159,647
<i>PLPD Enggor, Perak</i>	89,090	3,600	71,722	0	90	0	32,000	0	0	0	0	196,502
<i>PPIAT Batu Berendam</i>	180,000	0	0	0	243,821	0	10,412,280	26,000	5,963	0	341,846	11,209,910
<i>Sarawak</i>	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sabah</i>	243,708	198,286	0	1,030,318	1,660	0	0	0	0	0	10,718	1,484,750
Jumlah/Total:	12,023,917	1,718,381	859,411	1,081,919	2,653,250	100,920	10,444,480	26,000	5,963	0	353,161	29,267,402

Nota/Note:

PPA - Pusat Perikanan Airtawar
(Freshwater Fisheries Centre)

PLPD - Pusat Latihan Perikanan Darat
(Freshwater Fisheries Training Centre)

PPIAT - Pusat Penyelidikan Ikan Airtawar
(Freshwater Fisheries Research Centre)

JADUAL (TABLE) 23.2

MALAYSIA
PENGELUARAN BENIH-BENIH IKAN/UDANG/KETAM AIR PAYAU DAN UDANG GALAH DARI PUSAT-PUSAT
KERAJAAN MENGIKUT PUSAT DAN SPESIES, 1991
PRODUCTION OF BRACKISHWATER FISH/PRAWN/MUD CRAB AND GIANT FRESHWATER PRAWN FRY FROM
GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 1991

Spesis (Species) Pusat Penetasan (Hatchery)	Udang Galah Giant Fresh- water Prawn	Udang Harimau Tiger Prawn	Udang Putih Banana Prawn	Ketam Mud Crab	Siakap Barramundi	Jumlah Total
PPUG Kg. Aceh	3,620,127	902,850	0	0	0	4,522,977
PPBUK Pulau Sayak	13,843,600	50,418,200	60,311,000	1,545,070	0	126,117,870
PPUG Sabak	1,461,600	0	0	0	0	1,461,600
PPUG Tg. Demong	22,550,000	206,000	463,900	554,579	23,574,179	47,348,658
Semariang Batu, Sarawak	309,700	0	0	0	0	309,700
Jumlah/Total:	41,475,327	51,527,050	60,774,900	2,099,649	23,574,179	179,451,105

* PPUG - Pusat Penetasan Udang Galah
(Giant Freshwater Prawn Hatchery Centre)

PPBUK - Pusat Pengeluaran dan Penyelidikan Benih Udang Kebangsaan
(National Prawn Fry Production And Research Centre)

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN
KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIES IKAN, 1991
DISTRIBUTION OF FRESHWATER FRY FOR MISCELLANEOUS PURPOSES AND RELEASED
INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 1991

JADUAL [TABLE] 23.3

Negeri State	Kegunaan Pelbagai/Miscellaneous Purposes								Pelepasan Ke Perairan Umum/Released Into Public Waterbodies							Jumlah Besar
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Pelbagai Others	Jumlah Kecil Sub Total	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Jumlah Kecil Sub Total	Grand Total
Perlis	15	25	0	0	0	25	0	65	44,000	20,800	0	0	0	0	64,800	64,865
Kedah	16,720	3,585	0	0	13,645	2,805	0	36,755	2,111,400	163,900	20,000	0	1,100	0	2,296,400	2,333,155
P.Pinang/ Penang	43	10	0	0	10	10	0	73	72,500	0	0	0	0	0	72,500	72,573
Perak	100	3,600	0	0	0	110	0	3,810	94,700	49,500	15,000	0	0	0	159,200	163,010
Selangor	50	25	0	0	0	300	0	375	75,250	7,000	0	0	0	0	82,250	82,625
W.Persekutuan/ F.Territory	1,105	200	0	0	0	300	0	1,605	0	0	0	0	0	0	0	1,605
N. Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melaka/Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johor/Johore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pahang	1,700	700	0	0	0	110	0	2,510	0	0	0	0	0	0	0	2,510
Terengganu	0	0	0	0	0	0	0	0	537,240	134,095	0	0	0	0	671,335	671,335
Kelantan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarawak	0	0	0	0	0	0	0	0	0	0	23,000	0	0	0	23,000	23,000
Sabah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumlah/Total:	19,733	8,145	0	0	13,655	3,660	0	45,193	2,935,090	375,295	58,000	0	1,100	0	3,369,485	3,414,678

MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIRTAWAR KEPADA PENTERNAK
MENGIKUT NEGERI DAN SPESIES IKAN BAGI TAHUN 1991
DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS
BY STATE AND SPECIES, 1991

JADUAL (TABLE) 23.4

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Kap Kepala Besar Big Head Carp	Tilapia Hitam Black Tilapia	Tilapia Merah Red Tilapia	Keli River Catfish	Kap Rumput Grass Carp	Jumlah Total
Perlis	44,895	35,335	0	3,630	0	18,835	0	0	102,695
Kedah	2,372,741	304,388	17,815	15,532	37,130	188,282	0	0	2,935,888
P.Pinang/ Penang	87,651	65	0	0	670	11,777	0	0	100,163
Perak	136,950	53,900	0	0	4,400	2,584	32,000	0	229,834
Selangor	512,808	98,500	0	0	0	34,092	0	0	645,400
W.Persekutuan/ F.Territory	4,355	200	0	0	0	2,900	0	0	7,455
N. Sembilan	1,900,535	1,560,000	15,000	0	0	2,000	0	0	3,477,535
Melaka/Malacca	215,000	300,000	0	0	0	0	0	0	515,000
Johor/Johore	0	0	0	0	0	0	0	0	0
Pahang	2,121,615	249,780	0	10,450	0	143,707	0	0	2,525,552
Terengganu	0	0	0	0	0	0	0	0	0
Kelantan	102,453	48,282	13,672	0	0	180,564	0	0	344,971
Sarawak	620,000	100,000	0	0	0	0	0	0	720,000
Sabah	0	0	0	0	0	0	0	0	0
Jumlah/Total:	8,119,003	2,750,450	46,487	29,612	42,200	584,741	32,000	0	11,604,493

JADUAL (TABLE) 24.1

MALAYSIA
PENGELUARAN IKAN AKUARIUM SERTA NILAI YANG
DIKELUARKAN DALAM TAHUN 1991
PRODUCTIONS AND VALUE OF ORNAMENTAL FISH 1991

Negeri State	Dikeluarkan(Ekor) (No. of Production)	Nilai (M\$) Value (M\$)
Perlis	0	0.00
Kedah	0	0.00
P.Pinang/ Penang	3,052,037	3,182,041.70
Perak	1,159,241	1,550,000.00
Selangor	867,696	668,125.92
W.Persekutuan/F.Territory	0	0.00
N.Sembilan	457	4,570.00
Melaka / Malacca	103,600	85,910.00
Johor	83,401,810	9,011,067.20
Pahang	0	0.00
Terengganu	0	0.00
Kelantan	0	0.00
Sarawak	0	0.00
Sabah	0	0.00
JUMLAH/TOTAL	88,584,841	14,501,714.82

KLASIFIKASI PERANGKAAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA
STANDARD STATISTICAL CLASSIFICATION
OF COMMON MALAYSIAN FRESHWATER FISHES

ISSCAAP		Local Name	English Name	Scientific Name
DIVISION	GROUP			
1. Freshwater Fishes	11 Carps, Barbs	Tengas	Carp	<i>Acrossocheilus hexagonolepis</i>
		Kap Kepala Besar	Big Head Carp	<i>Aristichthys nobilis</i>
		Ikan Mas	Edible Gold Fish	<i>Carassius auratus</i>
		Kap Lumpur	Mud Carp	<i>Cirrhina molitorella</i>
		Kap Rumpit	Grass Carp	<i>Ctenopharyngodon idellus</i>
		Temperas	Carp	<i>Cyclocheilichthys apogon</i>
		Lee Koh	Common Carp	<i>Cyprinus Carpio</i>
		Selimang Batu	Carp	<i>Epiplatys spilargyreus</i>
		Sebarau	Carp	<i>Hampala macrolepidota</i>
		Kap Perak	Silver Carp	<i>Hypophthalmichthys molitrix</i>
		Pucuk Pisang	Carp/Barb	<i>Labiobarbus fasciatus</i>
		Lomah	Carp/Barb	<i>Labiobarbus ocellatus</i>
		Jelawat	River Carp	<i>Leptobarbus hoevenii</i>
		Jenkua	Carp	<i>Morulus chrysophekadion</i>
		Kap Hitam	Black Carp	<i>Mylopharyngodon piceus</i>
		Sia	Carp	<i>Mystacoleucus marginatus</i>
		Terbol	Carp	<i>Osteochilus hasseltii</i>
		Lallang	Carp	<i>Oxygaster anomalura</i>
		Bulu Ayam	Carp	<i>Oxygaster spp.</i>
		Temoleh, Temelian	Giant River Carp	<i>Probarbus jullieni</i>
		Putih, Tebal Sisek	Common Barb	<i>Puntius binotatus</i>
		Tengalan	Carp/Barb	<i>Puntius bulu</i>
		Kerai Kunyit	Carp/Barb	<i>Puntius daruphani</i>
		Lampam Jawa	Javanese Carp	<i>Puntius gonionotus</i>
		Bagoh	Spanner Barb	<i>Puntius lateristriga</i>
		Lampam Sungai	River Carp	<i>Puntius schwaefeldii</i>
		Susur Batang	Rasbora	<i>Rasbora einthovenii</i>
		Seluang	Two-spot Rasbora	<i>Rasbora elegans</i>
		Kelah	River Carp	<i>Tor tambroides</i>
	12 Cichilids	Tilapia	Tilapia	<i>Tilapia mossambica</i>
	13 Miscellaneous freshwater fishes	Puyu	Climbing Perch	<i>Anabas tertudineus</i>
		Tuna	River Eel	<i>Anquilla bicolor/A. nebulosa</i>
		Kepala Timah	White Spot	<i>Aplocheilichthys panchax</i>
		Lali-lali	Loach	<i>Botia spp.</i>
		Keli	Freshwater Catfish	<i>Clarias batrachus/C. macrocephalus</i>
		Limbat	Freshwater Catfish	<i>Clarias nieuhofii</i>
		Belut	Swamp Eel	<i>Fluta alba</i>
		Temakang	Kissing Gourami	<i>Helostoma temminckii</i>
		Susoh Batu	Loach	<i>Homaloptera spp.</i>
		Baug	River Catfish	<i>Mystus nemurus</i>
		Tengku Lolah	River Catfish	<i>Mystus wyckii</i>
		Belida	Feather back	<i>Notopterus notopterus</i>
		Kalui	Giant Gourami	<i>Osphronemus goramy</i>
		Bujuk	Snake Head	<i>Ophicephalus lucius</i>
		Toman	Snake Head	<i>Ophicephalus micropeltes</i>
		Haruan	Snake Head	<i>Ophicephalus striatus</i>
		Ketutu	Goby	<i>Oxyeleotris marmoratus</i>
		Lawang	River Catfish	<i>Pangassius micronemus</i>
		Patin	River Catfish	<i>Pangassius pangassius</i>
		Kepar, Patong	Perch	<i>Pristigaster fasciatus</i>
		Kelesa	Sclerapages	<i>Sclerapages formosus</i>
		Sepat Siam	Snakeskin Gouramy	<i>Trichogaster pectoralis</i>
		Sepat Padi	Two-spot Gouramy	<i>Trichogaster trichopterus</i>
		Tapah	Giant River Catfish	<i>Wallago spp.</i>
4 Crustaceans	41 Freshwater Crustaceans	Udang Galah	Giant Freshwater Prawn	<i>Macrobrachium rosenbergii</i>

KLASIFIKASI PERANGKAAAN PIAWAIAN IKAN-IKAN LAUT MALAYSIA
STANDARD STATISTICAL CLASSIFICATION OF MALAYSIAN MARINE FISHES

ISSCAAP				
Division	Group	Local Name	English Name	Scientific Name
2 Diadromous	24 Shads, Milkfishes, etc.	Kebasi/Selangat	+ Chacunda shad (Gizzard shad)	Anodontosoma chacunda
		Puput	+ Shad	Pellona spp
		Beliak mata	+ Slender shad	Ilisha elongata
		Terubok	0 Longtail shad	Hilsa macrura
	25 Miscellaneous diadromous fishes	Siakap	+ Giant sea perch (Barramundi)	Lates calcarifer
3 Marine fishes	31 Flounders, Halibuts, Soles, etc.	Lidah	+ Tonguefish (Tongue sole)	Cynoglossus spp
		Sebelah	+ Flatfish	Pseudorhombus spp
	33 Redfishes, Basses, Congers, etc.	Bayan	+ Parrotfish	Callyodon spp./Thalassoma spp.
		Biji nangka	+ Goatfish	Upeneus spp.
		Daun Baharu	+ Spotted sicklefish	Drepane punctata
		Delah	+ Fusilier	Caesio erythrogaster/C. chrysona
		Dengkis/Debam	+ Spinefeet (Rabbit fish)	Siganus spp.
		Duri/Pulutan/Utek	+ Marine catfish	Tachysurus spp./Arius spp./Osteogenius spp.
		Gelama/Tongkerong	+ Jewfish	Sciaenidae spp./Johnius spp./Otolithus spp./Otolithoides spp.
		Gerut-gerut	+ Grunter	Promadasys spp.
		Jebong	+ Triggerfish	Abalistes stellaris
		Jenahak	+ Mangrove snapper	Lutianus johni
		Kaci	+ Sweetlip	Spilotichthys picus
		Kapas laut	+ Majorras (Silver biddies)	Gerres filamentosus/G. abbreviatus
		Kerapu	+ Grouper	Epinephelus spp./Plectropomus spp.
		Kerisi	+ Threadfin bream	Nemipterus spp
		Kerisi bali	+ Sharptoothed bass	Pristipomoides typus
		Kikek	+ Ponyfish (Slipmouth)	Leiognathus spp./Gazd spp./Secutor spp.
		Lumi-lumi	+ Bombay-duck	Harpodon nehereus
		Malong	+ Conger eel	Muraenesox sp.
		Merah	+ Red snapper	Lutianus argentimaculatus/L. malabaricus
		Mengkerong/Ubi/Conor	+ Lizard fish	Sauride spp.
		Puntung Damar/Bulus-bulus	+ Sillago-whittings	Sillago sihama/S. maculata
		Pasir-pasir/Timun-timun/Puyu Laut	+ Monocle bream	Scolopsis spp.
		Pelandok	+ Emperors (Scavengers)	Lethrinus spp.
		Pluru	+ Spadefish	Ephippus orbis
		Remong/Kunyit-kunyit	+ Snapper	Lutianus vitta/L. lineolatus
		Semilang	+ Catfish eel	Plotosus spp
		Shrumbu/Lemah	+ False trevally	Lactarius lactarius
		Tanda	+ Snapper	Lutianus russelli
34 Jacks,	34 Jacks, Mulletts, Sauries, etc.	Aji-aji	+ Amberjack	Seriola nigrifasciata
		Alu-alu/Kacang-kacang	+ Barracuda	Sphyrna jello/S. optusa
		Aruan Tasek	+ Black kingfish	Rachycentron canadus
		Bawal hitam	0 Black pomfret	Formio niger
		Bawal putih	0 Silver pomfret	Pampus argenteus
		Bawal tambak	0 Chinese pomfret	Pampus chinensis
		Bawal selatan	0 Small pomfret	Pampus spp.
		Belanak/Kedera	0 Mullet	Liza spp./valamugil spp.
		Cermin/Sagai/Cupak	+ Horse mackerel (Trevally)	Alectis indica/Caranx spp.
		Cincaru	0 Hardtail scad	Megalaspis Cordyla
		Demudok/Rambai	+ Horse mackerel (Trevally)	Carangoides spp.
		Gerong-gerong	+ Golden trevally	Caranx speciosus
		Kurau/Senangin/Senohong	0 Threadfin	Polynemus spp./Eleutheronema tetradactylum
		Kerepoh	0 Horse mackerel (Trevally)	Caranx sextasciatus
		Lolong	0 Ox-eye scad	Selar boops
		Mata Besar/Selar	0 Big-eye scad	Selar crymenophthalmus
		Pisang-pisang	0 Rainbow runner	Elagatis bipinnulatus
		Selar/Pelata	0 Selar scad	Selar spp.
		Selar Kuning	0 Yellow striped trevally	Selaroides leptolepis
		Selayang/Curut	0 Round scad	Decapterus maruadis/D. macrosoma
		Talang	0 Queenfish (Leatherskin)	Scomberoides commersonianus

ISSCAAP Division	Group	Local Name	English Name	Scientific Name
	35 Herrings, Sardines, Anchovies, etc.	Tamban sisek Tamban buluh/T. Bulat Bilis Parang-parang Bulan-bulan	0 Fringescale sardinella 0 Rainbow sardine 0 Anchovy 0 Dorab wolf-herring + Indo-Pacific tarpon	<i>Sardinella fimbriata</i> <i>Dussumieria acuta</i> <i>Stolephorus</i> spp. <i>Chirocentrus dorab</i> <i>Megalops cyprinoides</i>
	36 Tunas, Bonitos, Billfishes, etc.	Aya/Kayu/Tongkol hitam Aya/Kayu/Tongkol kurik Aya/Kayu/Tongkol/Selasih Layaran/Mersuji Tenggiri	0 Longtail tuna 0 Kawakawa (eastern little tuna) 0 Frigate tuna 0 Sailfish/Black and Blue marlin 0 Spanish mackerel	<i>Thunnus tonggol</i> <i>Euthynnus affinis</i> <i>Auxis thazard</i> <i>Istiophorus</i> spp/ <i>Makaira</i> spp. <i>Scomberomorus</i> spp.
	37 Mackerels, Snoeks, Cutlass, fishes, etc.	Kembong/Temenong Timah/Layor/Selayor	0 Indian mackerel + Large-head hairtail (Ribbon fish)	<i>Rastrelliger kanagurta</i> / <i>R. brachysoma</i> / <i>R. faughni</i> <i>Trichiurus lepturus</i>
	38 Sharks, Rays, Chimaeras, etc.	Yu Pari	+ Shark + Ray	<i>Galeorhinidae</i> <i>Gymnura</i> spp/ <i>Dasyatis</i> spp
	49 Miscellaneous marine fishes	Ikan Baja Ikan Campur	+/0 Trash fish +/0 Mixed fishes	Mixed spp. Mixed spp.
4 Crustaceans	42 Sea spiders, Crabs, etc.	Ketam laut/ Ketam Renjong Ketam batu	Mud crab	<i>Portunus pelagicus</i> <i>Scylla serrata</i>
	43 Lobsters, Spiny rock lobsters, etc.	Udang karang Udang lobak	Spiny lobster Slipper lobster	<i>Parulirus polyhagus</i> <i>Thelus orientalis</i>
	45 Shrimps, Prawns, etc.	Udang putih/Udang kaki merah/Udang susu Udang harimau Udang pasir/Udang pasir Kepala besar Udang putih kecil Udang kuning Udang merah ros/ Udang ekor biru Udang kulit keras Udang minyak/Udang minyak jalur Udang merah	Banana prawn/Western king prawn Giant tiger prawn/ Green tiger prawn Sand prawn Small white prawn Yellow prawn Pink prawns/Greasyback prawns Rainbow prawn Sharp-rostrum prawn Red prawn	<i>Penaeus merguensis</i> / <i>P. indicus</i> / <i>P. latiaulcatus</i> <i>Penaeus monodon</i> / <i>P. semisulcatus</i> <i>Metapenaeopsis stridulans</i> & <i>M. barbaensis</i> / <i>Trachypenaeus fulvus</i> <i>Metapenaeus lysianassa</i> <i>Metapenaeus brevicornis</i> <i>Metapenaeus affinis</i> / <i>M. ensis</i> / <i>M. intermedius</i> <i>Parapenaeopsis sculpilis</i> <i>Parapenaeopsis hardwickii</i> / <i>P. coromandelica</i> / <i>P. hungerfordi</i> / <i>P. gracillima</i> <i>Solenocera subnuda</i>
5 Molluscs	53 Oysters	Tiram	Rock oysters/Flat oysters	<i>Ostrea folium</i> / <i>Crassostrea</i> spp.
	54 Mussels	Kupang/Siput sudu Siput cangkul	Green mussel Sea-Green mussel	<i>Perna viridis</i> <i>Glaucanome</i> spp.
	56 Clams, Cockles, Arkshells, etc.	Kerang Retak aeribu Lain-lain siput	Blood cockle Carpet clam Other clams/Sea shells	<i>Anadara granosa</i> <i>Paphis undulata</i> <i>Bivalves/Gastropods</i>
	57 Squids, Cuttlefishes, Octopuses, etc.	Sotong biasa/cumit-cumit Sotong katak Sotong kereta	Common squid Cuttlefish Octopus	<i>Loligo</i> spp. <i>Sepia</i> spp. <i>Octopodidae</i>
7 Miscellaneous Aquatic animals	75 Sea-urchins, Sea-s cucumbers and other echinoderms	Trepang	Sea cucumbers (Bache-de-mer)	<i>Holothuriodes</i>
	76 Miscellaneous Aquatic invertebrates	Ubur-ubur	Jellyfish	<i>Rhopilema</i> spp.

NOTES:

+ = Demersal finfishes

0 = Pelagic finfishes

+/0 = Trash fish/Mixed fishes of trawl, portable traps, barrier, push/scoop, stationary traps, handlines and other seines are considered demersal.

+/0 = Trash/fish/Mixed fishes of purse seines (fish and anchovy) drift/gill nets and lift nets are considered pelagic.