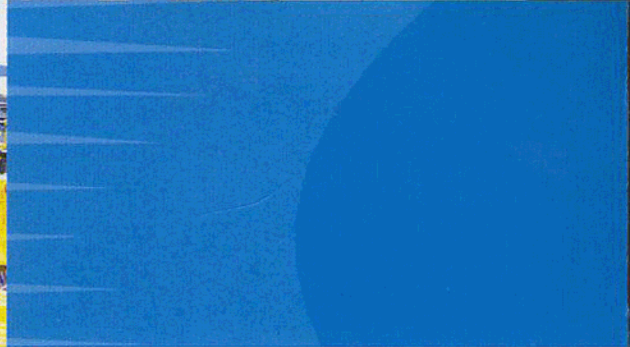




PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

**1993
(Volume 1)**



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PERANGKAAN TAHUNAN PERIKANAN
(ANNUAL FISHERIES STATISTICS)
1993

JILID 1
(VOLUME 1)

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, vesel, 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, vessels, 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.**

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**KEDUDUKAN SEKTOR PERIKANAN
DI MALAYSIA**
*STATUS OF THE FISHERIES SECTOR
IN MALAYSIA*

KEDUDUKAN SEKTOR PERIKANAN DI MALAYSIA

1. LATARBELAKANG

- 1.1 Industri perikanan memainkan peranan penting dalam ekonomi Malaysia. Ianya menyumbangkan sebanyak 1.63% kepada Keluaran Dalam Negara Kasar (KDNK) dalam tahun 1993. Jumlah pendaratan ikan adalah sebanyak 1,154,559 tan metrik pada tahun 1993 berbanding dengan 1,104,988 tan metrik pada tahun 1992. Ini menunjukkan peningkatan sebanyak 4.49%. Dari segi nilai terdapat peningkatan sebanyak 3.85% dari RM2.60 bilion dalam tahun 1992 kepada RM2.70 bilion dalam tahun 1993.
- 1.2 Pada dasarnya sektor perikanan di Malaysia boleh dibahagikan kepada perikanan laut, ternakair dan perairan umum/perikanan darat. Walau bagaimanapun, perairan umum/perikanan darat ketika ini kurang memberikan sumbangan yang nyata kepada industri perikanan. Bagi tujuan pengurusan, perikanan laut dibahagikan kepada sektor perikanan pantai dan sektor perikanan laut dalam. Ternakair pula adalah meliputi ternakan ikan airtawar dan ternakan ikan airpayau. Perikanan laut pantai telah dieksploitasikan ketahap berlebihan dan terdapat tanda-tanda yang tangkapan ikan telah sampai ketahap maksima. Walau bagaimanapun, perikanan laut dalam mempunyai potensi untuk dibangunkan. Bidang ternakair juga mempunyai masa depan yang cerah untuk membangun dan berkembang lagi. Berdasarkan kepada potensi sumber, usaha-usaha pembangunan adalah diarahkan kepada pembangunan sektor perikanan laut dalam dan ternakair. Sementara pengeluaran sektor perikanan pantai pula dikekalkan ditahap yang sama. Industri ikan hiasan pula, ditahun-tahun yang kebelakangan ini telah menunjukkan pertumbuhan yang menggalakkan disegi pengeluaran dan eksport.
- 1.3 Jumlah pendaratan tangkapan perikanan laut meningkat sebanyak 2.33% dari 1,023,516 tan metrik dalam tahun 1992 kepada 1,047,350 tan metrik dalam tahun 1993. Dari segi nilai terdapat sedikit penurunan sebanyak 0.04% dari

RM2.379 bilion dalam tahun 1992 kepada RM2.378 bilion dalam tahun 1993. Sementara jumlah pengeluaran ternakair tidak termasuk pengeluaran ikan hiasan juga menunjukkan peningkatan sebanyak 32.04% daripada 79,698.66 tan metrik dalam tahun 1992 kepada 105,237.29 tan metrik dalam tahun 1993. Dari segi nilai, terdapat peningkatan sebanyak 41.03% dari RM207.36 juta dalam tahun 1992 kepada RM292.43 juta dalam tahun 1993. Pengeluaran ikan hiasan meningkat sebanyak 84.09% dari 102,597,493 ekor dalam tahun 1992 kepada 188,871,525 ekor dalam tahun 1993. Dari segi nilai, terdapat peningkatan sebanyak 93.17% dari RM17.42 juta dalam tahun 1992 kepada RM33.65 juta dalam tahun 1993. Perairan umum/perikanan darat mengeluarkan sebanyak 1,971.38 tan metrik ikan dalam tahun 1993 berbanding dengan 1,773.36 tan metrik dalam tahun 1992. Ini adalah peningkatan sebanyak 11.17% di segi pengeluaran.

2. GUNA TENAGA

- 2.1 Seramai 80,278 nelayan terlibat dalam sektor perikanan laut pada tahun 1993 berbanding dengan 85,085 nelayan dalam tahun 1992 dan ini menunjukkan pengurangan sebanyak 5.65%. Arah aliran ini adalah selaras dengan dasar pengurusan kerajaan bagi mengurangkan bilangan nelayan supaya setiap nelayan akan mendapat pembahagian sumber yang lebih besar dan hanya nelayan yang benar-benar berminat untuk menjadikan penangkapan ikan sebagai sumber kehidupannya akan kekal didalam indsutri perikanan. Terdapat pengurangan jumlah bilangan nelayan di Semenanjung Malaysia sebanyak 10.80% (dari 60,410 nelayan kepada 53,887 nelayan). Pada keseluruhannya negeri-negeri di Semenanjung Malaysia menunjukkan pengurangan jumlah bilangan nelayan. Negeri Sembilan menunjukkan penurunan bilangan nelayan yang paling ketara iaitu sebanyak 41.71% diikuti oleh Pulau Pinang sebanyak 30.25%, Pahang sebanyak 21.13%, Perak sebanyak 20.15%, Melaka sebanyak 16.68% dan Johor Barat sebanyak 11.89%. Terengganu mencatatkan penurunan sebanyak 6.99% dan Selangor sebanyak 2.20%. Walau bagaimanapun, Johor Timur menunjukkan peningkatan sebanyak 5.81%, Kelantan sebanyak 1.36% dan Perlis menunjukkan peningkatan yang kecil sebanyak 0.09%. Bilangan nelayan di Sabah

meningkat sebanyak 6.98%, Sarawak sebanyak 8.02% dan Labuan berkurang sebanyak 9.36%. Penurunan bilangan nelayan pada keseluruhannya di Semenanjung Malaysia dan Labuan adalah disebabkan oleh pengurangan bilangan vesel menangkap ikan yang dilesenkan. Sabah dan Sarawak menunjukkan pertambahan bilangan vesel menangkap ikan yang dilesenkan dan secara langsung ianya melibatkan peningkatan bilangan nelayan.

2.2 Bilangan nelayan yang bekerja di atas vesel-vesel menangkap ikan berlesen yang menggunakan peralatan komersial adalah sebanyak 34,358 nelayan iaitu 42.80% (25.59% nelayan di atas vesel-vesel pukut tunda dan 17.21% nelayan di atas vesel-vesel pukut jerut) dari jumlah bilangan nelayan yang bekerja di atas vesel-vesel menangkap ikan yang berlesen. Sementara bilangan nelayan yang bekerja di atas vesel-vesel yang berlesen yang menggunakan peralatan tradisional adalah seramai 45,920 nelayan iaitu 57.20% dari jumlah bilangan nelayan yang bekerja di atas vesel-vesel menangkap ikan yang berlesen.

2.3 Seramai 4,659 nelayan asing telah diluluskan dalam tahun 1993 untuk bekerja di atas vesel-vesel menangkap ikan yang dilesenkan di Malaysia. Dari bilangan tersebut, sebanyak 4,635 nelayan asing yang telah diluluskan bekerja di Semenanjung Malaysia, menunjukkan pertambahan sebanyak 16.17%. Peratusan bilangan nelayan asing yang telah diluluskan untuk bekerja di atas vesel-vesel menangkap ikan di Negeri Terengganu ialah 29.32%, Kedah 17.04%, Perlis 16.51%, Kelantan 15.63%, Pahang 12.34%, Johor Timur 8.65% dan Labuan 0.51%. Negeri-negeri utama yang menunjukkan pertambahan bilangan nelayan asing dengan ketara ialah Terengganu sebanyak 367.81% (dari 292 nelayan kepada 1,366 nelayan) dan Kelantan sebanyak 177.93% (dari 145 nelayan kepada 403 nelayan).

3. **VESEL-VESEL MENANGKAP IKAN**

3.1 Pada keseluruhannya bilangan vesel-vesel menangkap ikan menurun sedikit dari 32,550 unit dalam tahun 1992 kepada 31,575 unit dalam tahun 1993 iaitu penurunan sebanyak 3.00%. Penurunan adalah disebabkan oleh penurunan bilangan vesel-vesel menangkap ikan di Semenanjung Malaysia sebanyak

8.39% (dari 21,854 unit dalam tahun 1992 kepada 20,020 unit dalam tahun 1993) dan Labuan sebanyak 20.37% (dari 162 unit dalam tahun 1992 kepada 129 unit dalam tahun 1993). Bilangan vesel-vesel menangkap ikan di Sabah meningkat sebanyak 8.82% (dari 7,797 unit kepada 8,485 unit), sementara di Sarawak bilangannya meningkat sebanyak 7.45% (dari 2,737 unit kepada 2,941 unit).

- 3.2 Jumlah bilangan vesel-vesel menangkap ikan laut dalam (70 GRT dan ke atas) yang dilesenkan di Malaysia pada tahun 1993 adalah sebanyak 612 unit, sementara bilangannya pada tahun 1992 ialah sebanyak 603 unit. Pertambahan ini adalah disebabkan oleh pertambahan bilangan vesel-vesel menangkap ikan laut dalam (70 GRT dan keatas) yang dilesenkan di Labuan sebanyak 100% (dari 5 unit kepada 10 unit), Sarawak sebanyak 2.26% (dari 133 unit kepada 136 unit) dan Semenanjung Malaysia sebanyak 0.22% (dari 455 unit kepada 456 unit).

4. **PERKAKAS MENANGKAP IKAN**

- 4.1 Jumlah bilangan perkakas menangkap ikan yang dilesenkan dalam tahun 1993 berkurangan sebanyak 8.01% jika dibandingkan dengan tahun 1992 (dari 28,944 unit dalam tahun 1992 kepada 26,625 unit dalam tahun 1993). Bagi semua negeri di Semenanjung Malaysia, jumlah perkakas menangkap ikan yang dilesenkan berkurangan sebanyak 8.39% (dari 21,854 unit kepada 20,020 unit). Manakala Labuan dan Sabah menunjukkan pengurangan jumlah perkakas menangkap ikan yang dilesenkan iaitu masing-masing sebanyak 20.37% (dari 162 unit kepada 129 unit) dan 18.21% (dari 3,849 unit kepada 3,148 unit). Sarawak sebaliknya menunjukkan kenaikan jumlah perkakas menangkap ikan yang dilesenkan sebanyak 8.09% (dari 3,079 unit kepada 3,328 unit).

5. **PENDARATAN IKAN LAUT**

- 5.1 Jumlah pendaratan dari sektor perikanan laut bertambah sebanyak 2.33% dari 1,023,516 tan metrik dalam tahun 1992 kepada 1,047,350 tan metrik dalam tahun 1993. Dari segi nilai, terdapat sedikit penurunan sebanyak 0.04% dari RM2.379 bilion dalam tahun 1992 kepada 2.378 bilion dalam tahun 1993. Penurunan adalah disebabkan oleh kemerosotan pendaratan ikan yang bernilai tinggi (Gred I dan Gred II) dan udang. Pendaratan ikan Gred I dan

Gred II turun sebanyak 10.26% (dari 87,871 tan metrik dalam tahun 1992 kepada 78,859 tan metrik dalam tahun 1993). Manakala pendaratan udang menurun sebanyak 16.11% (dari 127,398 tan metrik dalam tahun 1992 kepada 106,879 tan metrik dalam tahun 1993). Dari segi nilai, terdapat kemerosotan nilai ikan Gred I dan Gred II sebanyak 11.40% (dari RM483.93 juta dalam tahun 1992 kepada RM428.78 juta dalam tahun 1993). Manakala nilai udang merosot sebanyak 11.78% (dari RM733.06 juta dalam tahun 1992 kepada RM646.71 juta dalam tahun 1993). Kerang-kerangan menunjukkan peningkatan yang ketara dari segi pendaratan dan nilai. Pendaratan kerang-kerangan meningkat sebanyak 109.04% (dari 10,639 tan metrik dalam tahun 1992 kepada 22,240 tan metrik dalam tahun 1993) dan nilainya meningkat sebanyak 124.91% (dari RM16.18 juta dalam tahun 1992 kepada RM36.39 juta dalam tahun 1993).

- 5.2 Keseluruhan jumlah pendaratan ikan laut bagi Pantai Timur Semenanjung Malaysia bertambah sebanyak 17.57% (dari 293,537 tan metrik kepada 345,103 tan metrik). Kelantan, Terengganu dan Pahang menunjukkan pertambahan pendaratan dan ini adalah disebabkan oleh musim tengkujuh yang singkat dan tidak teruk dalam tahun 1993, yang membolehkan nelayan kerap keluar ke laut bagi menangkap ikan. Walau bagaimanapun, pendaratan bagi Johor Timur berkurangan sebanyak 5.28% (dari 70,607 tan metrik kepada 66,882 tan metrik). Penurunan pendaratan adalah diperhatikan, disebabkan terutama sekali oleh penurunan tangkapan vesel-vesel laut dalam. Dalam tahun 1993, walaupun bilangan vesel-vesel laut dalam yang dilesenkan bertambah sebanyak 1 unit (dari 68 unit kepada 69 unit), oleh disebabkan tangkapan dari kawasan menangkap ikan berdekatan merosot, nelayan laut dalam kurang kerap keluar ke laut. Di Pantai Barat Semenanjung Malaysia jumlah pendaratan ikan laut menurun sebanyak 5.80% (dari 473,995 tan metrik kepada 446,515 tan metrik). Pengurangan pendaratan kebanyakan disebabkan oleh kejatuhan pendaratan ikan di negeri Perak sebanyak 22,446 tan metrik (dari 201,852 tan metrik kepada 179,406 tan metrik). Keadaan cuaca adalah diantara faktor yang dikenalpasti mempengaruhi kekurangan pendaratan ikan di Pantai Barat Semenanjung Malaysia.

5.3 Perikanan Laut Pantai

- 5.3.1 Perikanan laut pantai termasuk vesel-vesel tradisional dan vesel-vesel komersial bermuatan dibawah 70 GRT yang mengoperasikan semua jenis perkakas menangkap ikan. Perikanan laut pantai menyumbangkan sebanyak 901,801 tan metrik ikan dalam tahun 1993 iaitu 86.10% daripada jumlah pendaratan ikan laut di Malaysia berbanding dengan 877,162 tan metrik dalam tahun 1992 iaitu 85.70% daripada jumlah pendaratan ikan laut di Malaysia. Dari segi kawasan pendaratan ikan, Pantai Barat Semenanjung Malaysia menyumbangkan sebanyak 46.06% (415,335 tan metrik), Pantai Timur Semenanjung Malaysia sebanyak 29.84% (269,126 tan metrik), Sabah sebanyak 16.47% (148,552 tan metrik), Labuan sebanyak 1.81% (16,302 tan metrik) dan Sarawak sebanyak 5.82% (52,486 tan metrik) daripada jumlah pendaratan perikanan laut pantai. Dari segi nilai, perikanan laut pantai menyumbang sebanyak RM2,109.21 juta dalam tahun 1993 iaitu 88.67% daripada jumlah nilai pendaratan ikan laut di Malaysia. Nilai perikanan laut pantai meningkat sebanyak 0.35% (dari RM2,101.83 juta dalam tahun 1992 kepada RM2,109.21 juta dalam tahun 1993).
- 5.3.2 Jumlah pendaratan perikanan laut pantai telah bertambah sebanyak 2.81% (daripada 877,162 tan metrik dalam tahun 1992 kepada 901,801 tan metrik dalam tahun 1993). Pertambahan ini adalah disebabkan pertambahan pendaratan dari Pantai Timur Semenanjung Malaysia (dari 214,068 tan metrik kepada 269,126 tan metrik) dan Sabah (dari 144,867 tan metrik kepada 148,552 tan metrik). Walau bagaimanapun, terdapat penurunan pendaratan perikanan laut pantai di Pantai Barat Semenanjung Malaysia (dari 444,718 tan metrik kepada 415,335 tan metrik), Sarawak (dari 55,549 tan metrik kepada 52,486 tan metrik) dan Labuan (dari 17,960 tan metrik kepada 16,302 tan metrik). Adalah diperhatikan, pendaratan ikan bilis di Pantai Barat Semenanjung Malaysia telah menurun sebanyak 54.70% (dari 28,260 tan metrik dalam tahun 1992 kepada 12,802 tan metrik dalam tahun 1993).

Malaysia
Pendaratan dan Nilai Perikanan Laut Pantai, 1993

	Pendaratan (Tan Metrik)	Nilai (RM)
Pantai Barat Semenanjung Malaysia	415,335	1,002,098,012
Pantai Timur Semenanjung Malaysia	269,126	517,923,109
Semenanjung Malaysia	684,461	1,520,021,121
Sabah	148,552	360,332,090
Sarawak	52,486	185,382,493
Wilayah Persekutuan Labuan	16,302	43,474,474
Jumlah	901,801	2,109,210,178

5.4 Perikanan Laut Dalam

5.4.1 Perikanan laut dalam termasuk vesel-vesel bermuatan 70 GRT dan ke atas mengoperasikan pukot tunda, pukot jerut (kecuali pukot jerut bilis), rawai/pancing, pukot hanyut dan beroperasi di perairan melebihi 30 batu nautika dari pantai. Perikanan laut dalam menghasilkan sebanyak 145,549 tan metrik ikan dalam tahun 1993 iaitu 13.90% daripada jumlah pendaratan ikan laut di Malaysia. Mengikut kawasan, Pantai Barat Semenanjung Malaysia menyumbangkan sebanyak 21.42%, Pantai Timur Semenanjung Malaysia sebanyak 52.20%, Sabah sebanyak 4.20%, Labuan sebanyak 1.95% dan Sarawak sebanyak 20.23% daripada jumlah keseluruhan pendaratan perikanan laut dalam. Berdasarkan perkakas menangkap ikan, pukot tunda mendaratkan sebanyak 69.70%, pukot jerut mendaratkan sebanyak 30.16% dan rawai/pancing mendaratkan sebanyak 0.14% ikan dari perikanan laut dalam. Dari segi nilai, perikanan laut dalam menyumbangkan sebanyak RM269.40 juta

dalam tahun 1993 iaitu 11.33% daripada jumlah nilai pendaratan ikan laut di Malaysia. Nilai perikanan laut dalam berkurangan sebanyak 3.14% (dari RM278.12 juta dalam tahun 1992 kepada RM269.40 juta dalam tahun 1993). Berdasarkan perkakas menangkap ikan, pukot tunda menyumbang sebanyak 61.87%, pukot jerut sebanyak 37.85% dan rawai/pancing sebanyak 0.28% daripada jumlah nilai perikanan laut dalam.

- 5.4.2 Jumlah pendaratan perikanan laut dalam menurun sebanyak 0.55% (dari 146,354 tan metrik dalam tahun 1992 kepada 145,549 tan metrik dalam tahun 1993). Walaupun pada keseluruhannya terdapat sedikit kemerosotan pendaratan perikanan laut dalam di Malaysia, Pantai Barat Semenanjung Malaysia, Sabah dan Labuan menunjukkan peningkatan di dalam pendaratan perikanan laut dalam masing-masing sebanyak 6.50%, 95.18% dan 59.23%.

Jadual II

Malaysia
Pendaratan Perikanan Laut Dalam Mengikut Kumpulan Perkakas, 1993
(Kuantiti Dalam Tan Metrik)

	Pukat Tunda 70 GRT & Lebih	Pukat Jerut Ikan 70 GRT & Lebih	Rawai/ Pancing 70 GRT & Lebih	Jumlah
Pantai Barat Sem. Malaysia	23,287	7,893	0.00	31,180
Pantai Timur Sem. Malaysia	46,802	29,175	0.00	75,977
Semenanjung Malaysia	70,089	37,068	0.00	107,157
Sabah	534	5,456	125	6,115
Sarawak	29,438	0.00	0.00	29,438
W.P. Labuan	1,379	1,378	82	2,839
Jumlah	101,440	43,902	207	145,549

Malaysia
Nilai Pendaratan Perikanan Laut Dalam Mengikut Kumpulan Perkakas, 1993
(Nilai Dalam RM)

	Pukat Tunda 70 GRT & Lebih	Pukat Jerut Ikan 70 GRT & Lebih	Rawal/ Pancing 70 GRT & Lebih	Jumlah
Pantai Barat Sem.Malaysia	38,263,335	18,330,467	0.00	56,593,802
Pantai Timur Sem.Malaysia	76,901,302	67,755,145	0.00	144,656,447
Semenanjung Malaysia	115,164,637	86,085,612	0.00	201,250,249
Sabah	877,426	12,670,851	463,853	14,012,130
Sarawak	48,370,167	0.00	0.00	48,370,167
W.P.Labuan	2,265,863	3,200,226	304,287	5,770,376
Jumlah	166,678,093	101,956,689	768,140	269,402,922

6. TERNAKAIR

6.1 Pada dasarnya industri ternakair di Malaysia meliputi ternakan airtawar dan air payau. Ternakan airtawar dijalankan di kolam-kolam airtawar, sangkar airtawar, tangki simen dan bekas lombong. Sementara, ternakan airpayau merangkumi kolam air payau, sangkar air payau dan ternakan moluska termasuk kerang, siput sudu dan tiram.

6.2 Jumlah pengeluaran ternakair, tidak termasuk pengeluaran ikan hiasan meningkat sebanyak 32.17% daripada 79,698.66 tan metrik dalam tahun 1992 kepada 105,237.31 tan metrik dalam tahun 1993. Nilai pengeluaran juga telah meningkat sebanyak 41.03% dari RM207.36 juta dalam tahun 1992 kepada RM292.43 juta dalam tahun 1993. Manakala jumlah pengeluaran ikan hiasan meningkat sebanyak 84.09% dari 102,597,493 ekor dalam tahun 1992 kepada

188,871,525 ekor dalam tahun 1993. Nilai pengeluaran juga telah meningkat sebanyak 93.17% (dari RM17.42 juta dalam tahun 1992 kepada RM33.65 juta dalam tahun 1993).

6.3 **Ternakan Airtawar**

- 6.3.1 Jumlah pengeluaran ternakan airtawar merosot sebanyak 3.28% daripada 15,991.93 tan metrik dalam tahun 1992 kepada 15,467.59 tan metrik dalam tahun 1993. Penurunan pengeluaran ternakan airtawar adalah disebabkan kemerosotan hasil dari kolam airtawar dan bekas lombong. Kawasan kolam airtawar telah berkurangan sebanyak 22.2%(dari 5,598.09 hektar pada tahun 1992 kepada 4,356.93 hektar pada tahun 1993). Dari segi nilai, terdapat pertambahan sebanyak 7.94% dari RM104.25 juta pada tahun 1992 kepada RM112.53 juta pada tahun 1993. Ternakan airtawar telah menyumbangkan sebanyak 14.7% daripada jumlah pengeluaran ternakair dalam tahun 1993 dan dari segi nilai ianya menyumbangkan sebanyak 38.48% dari jumlah nilai ternakair pada tahun 1993.
- 6.3.2 Pengeluaran dari ternakan kolam airtawar adalah yang tertinggi pada tahun 1993, menyumbangkan sebanyak 86.13% (13,323.19 tan metrik) diikuti oleh pengeluaran dari ternakan sangkar airtawar yang menyumbangkan sebanyak 5.08% (785.53 tan metrik), ternakan dari bekas lombong menyumbangkan sebanyak 6.15% (951.03 tan metrik) dan ternakan airtawar dari tangki simen menyumbangkan sebanyak 2.64% (407.84 tan metrik) daripada jumlah pengeluaran ternakan airtawar. Seramai 13,624 penternak mengusahakan kolam airtawar meliputi kawasan seluas 4,356.93 hektar, 568 penternak mengusahakan sangkar airtawar meliputi kawasan seluas 48,693.27 meter persegi, 227 penternak mengusahakan ternakan airtawar didalam bekas lombong meliputi kawasan seluas 1,397.04 hektar dan 214 penternak mengusahakan ternakan airtawar didalam tangki simen meliputi kawasan seluas 34,793.72 meter persegi.
- 6.3.3 Tiga spesis utama yang di ternak didalam kolam air tawar di Semenanjung Malaysia dalam tahun 1993 ialah belut dengan pengeluaran sebanyak 2,824.00 tan metrik diikuti oleh tilapia merah dengan pengeluaran sebanyak 1,563.84 tan metrik dan ikan keli dengan pengeluaran sebanyak 722.13 tan metrik. Di Sabah, tiga spesis utama yang diternak di kolam airtawar pula ialah

tilapia hitam dengan pengeluaran sebanyak 3,480.00 tan metrik diikuti oleh lele dengan pengeluaran sebanyak 837.00 tan metrik dan lampam jawa dengan pengeluaran sebanyak 821.00 tan metrik. Di Sarawak tiga spesies utama ternakan kolam airtawar ialah jelawat dengan pengeluaran sebanyak 156.15 tan metrik diikuti oleh lampam jawa dengan pengeluaran sebanyak 104.10 tan metrik dan kap rumput dengan pengeluaran sebanyak 78.08 tan metrik. Purata pengeluaran ternakan kolam airtawar meningkat dari 2.53 tan metrik/hektar/tahun dalam tahun 1992 kepada 3.06 tan metrik/hektar/tahun dalam tahun 1993.

- 6.3.4 Jumlah pengeluaran dari sangkar airtawar meningkat sebanyak 62.47% daripada 483.51 tan metrik dalam tahun 1992 kepada 785.53 tan metrik dalam tahun 1993. Peningkatan pengeluaran adalah disebabkan oleh peningkatan kawasan ternakan dari 29,046.42 meter persegi dalam tahun 1992 kepada 48,693.27 meter persegi dalam tahun 1993. Walau bagaimanapun purata pengeluaran menurun, tetapi penurunan adalah tidak ketara iaitu dari 16.65 kilogram/meter persegi/tahun dalam tahun 1992 kepada 16.13 kilogram/meter persegi/tahun dalam tahun 1993. Dua spesies utama ternakan ialah tilapia merah yang menyumbangkan sebanyak 74.48% (585.07 tan metrik) dan ikan patin yang menyumbangkan sebanyak 17.76% (139.47 tan metrik) dari jumlah keseluruhan pengeluaran ternakan sangkar airtawar.
- 6.3.5 Jumlah keseluruhan pengeluaran ternakan airtawar dalam bekas lombong menurun sebanyak 29.35% (daripada 1,346.07 tan metrik dalam tahun 1992 kepada 951.03 tan metrik dalam tahun 1993). Purata pengeluaran juga menurun daripada 1.27 tan metrik/hektar/tahun dalam tahun 1992 kepada 0.68 tan metrik/hektar/tahun dalam tahun 1993. Dua spesies utama ternakan airtawar dalam bekas lombong ialah kap kepala besar yang menyumbangkan sebanyak 28.45% (270.57 tan metrik) dan kap rumput yang menyumbangkan sebanyak 20.90% (198.71 tan metrik) dari jumlah pengeluaran keseluruhan spesies yang ditenak didalam bekas lombong.
- 6.3.6 Jumlah pengeluaran keseluruhan ternakan airtawar dari tangki simen ialah sebanyak 407.84 tan metrik dalam tahun 1993 dan dua spesies utama ternakan ialah tilapia merah menyumbangkan sebanyak 86.38% (352.27 tan metrik) dan ikan patin menyumbangkan sebanyak 8.32% (33.91 tan metrik) dari jumlah

keseluruhan ternakan airtawar bagi tangki simen.

6.4 Ternakan AirPayau

- 6.4.1 Jumlah pengeluaran ternakan airpayau meningkat sebanyak 40.91% dari 63,706.73 tan metrik dalam tahun 1992 kepada 89,769.72 tan metrik dalam tahun 1993. Peningkatan pengeluaran adalah datang dari pengeluaran ternakan kerang dan ikan dari sangkar airpayau, kolam airpayau dan ternakan tiram, manakala pengeluaran siput sudu menurun. Pengeluaran ternakan sangkar airpayau meningkat sebanyak 83.84% (daripada 3,369.35 tan metrik kepada 6,194.25 tan metrik). Ternakan kolam airpayau meningkat sebanyak 42.70% (daripada 3,224.55 tan metrik kepada 4,601.43 tan metrik). Ternakan kerang meningkat sebanyak 39.88% (daripada 55,586.84 tan metrik kepada 77,755.00 tan metrik) dan ternakan tiram meningkat sebanyak 12.69% (daripada 32.95 tan metrik kepada 37.13 tan metrik). Manakala pengeluaran siput sudu menurun sebanyak 20.84% (daripada 1,493.04 tan metrik kepada 1,181.91 tan metrik). Ini adalah disebabkan oleh kejadian gelombang merah yang berlaku di pantai barat Semenanjung Malaysia terutamanya di persisiran perairan Melaka. Pihak kerajaan terpaksa mengenakan larangan keatas pengeluaran siput sudu diwaktu tersebut . Pengeluaran siput sudu di Melaka berkurangan dalam tahun 1993 sebanyak 58.57% (dari 140.77 tan metrik dalam tahun 1992 kepada 58.10 tan metrik dalam tahun 1993)
- 6.4.2 Dari segi nilai pengeluaran terdapat pertambahan nilai pengeluaran ternakan airpayau sebanyak 74.47% (dari RM103.11 juta dalam tahun 1992 kepada RM179.90 juta dalam tahun 1993).
- 6.4.3 Bilangan penternak yang terlibat didalam ternakan kolam airpayau adalah seramai 752 orang dengan keluasan kawasan ternakan seluas 1,877.82 hektar, manakala bilangan penternak yang terlibat didalam ternakan sangkar airpayau ialah seramai 885 orang dengan keluasan kawasan ternakan seluas 668,260.00 meter persegi. Jumlah penternak yang terlibat di dalam ternakan kerang adalah seramai 289 orang dengan keluasan kawasan ternakan seluas 5,040.55 hektar. Jumlah penternak yang terlibat di dalam ternakan siput sudu adalah seramai 203 orang dengan keluasan kawasan ternakan seluas 73,323.84 meter persegi dan bilangan penternak yang terlibat didalam

ternakan tiram adalah seramai 91 orang dengan keluasan kawasan ternakan seluas 94,052.75 meter persegi.

- 6.4.4 Dalam tahun 1993 pengeluaran kerang adalah yang tertinggi sekali di antara pengeluaran ternakan airpayau dengan menyumbang sebanyak 86.62% (77,755.00 tan metrik) dari jumlah keseluruhan pengeluaran ternakan airpayau. Manakala pengeluaran ternakan sangkar airpayau menyumbang sebanyak 6.90% (6,194.25 tan metrik), kolam airpayau sebanyak 5.13% (4,601.43 tan metrik), siput sudu sebanyak 1.32% (1,181.91 tan metrik) dan tiram sebanyak 0.04% (37.13 tan metrik). Walau bagaimanapun dari segi nilai ternakan sangkar airpayau menyumbangkan nilai yang paling tinggi di antara ternakan airpayau yang lain iaitu sebanyak 44.30% (RM79.70 juta) diikuti dengan ternakan kolam air payau sebanyak 40.35% (RM72.59 juta), kerang 14.89% (RM26.79 juta) siput sudu 0.26% (RM468,280) dan tiram 0.20% (RM350,190).
- 6.4.5 Tiga spesis utama dipelihara di dalam sangkar airpayau ialah siakap sebanyak 61.40% (3,803.41 tan metrik) diikuti oleh kerapu sebanyak 16.23% (1,005.41 tan metrik) dan jenahak sebanyak 13.57% (840.63 tan metrik). Jumlah pengeluaran dari sangkar airpayau meningkat sebanyak 83.84% (dari 3,369.35 tan metrik dalam tahun 1992 kepada 6,194.25 tan metrik dalam tahun 1993). Kawasan ternakan meningkat sebanyak 67.99% (dari 397,799.36 meter persegi dalam tahun 1992 kepada 668,260.00 meter persegi dalam tahun 1993). Purata pengeluaran juga meningkat dari 8.47 kilogram/meter persegi/tahun dalam tahun 1992 kepada 9.27 kilogram/meter persegi/tahun dalam tahun 1993. Kebanyakan penternak menukar pemakanan ikan dari ikan baja kepada makanan berformula yang meningkatkan kadar pembesaran dan mengurangkan berlakunya penyakit ikan. Jumlah pengeluaran ternakan sangkar air payau didapati meningkat di Kedah sebanyak 39.24% (dari 48.09 tan metrik kepada 66.96 tan metrik), Pulau Pinang sebanyak 62.77% (dari 945.31 tan metrik kepada 1,538.67 tan metrik), Perak sebanyak 222.68% (dari 571.52 tan metrik kepada 1,844.15 tan metrik), Selangor sebanyak 0.53% (dari 1,194.01 tan metrik kepada 1,200.33 tan metrik), Johore sebanyak 33.64% (dari 548.32 tan metrik kepada 732.76 tan metrik), Pahang sebanyak 358.89% (dari 0.90 tan metrik kepada 4.13 tan metrik) dan Kelantan sebanyak 181.58% (dari 9.77 tan

metrik kepada 27.51 tan metrik). Tiada pengeluaran ternakan sangkar airpayau di Melaka, Negeri Sembilan dan Perlis dalam tahun 1992. Walau bagaimanapun dalam tahun 1993 pengeluaran di Melaka adalah sebanyak 10.93 tan metrik, Negeri Sembilan sebanyak 2.80 tan metrik dan Perlis sebanyak 17.38 tan metrik. Sabah menunjukkan pengeluaran sebanyak 740.00 tan metrik dalam tahun 1993.

6.4.6 Spesis utama yang ditenak di dalam kolam airpayau masih lagi udang harimau yang mengeluarkan sebanyak 85.57% (3,937.43 tan metrik) daripada jumlah keseluruhan ternakan kolam airpayau. Lain-lain spesis ternakan ialah udang putih, siakap, jenahak, ketam dan lain-lain spesis dengan jumlah pengeluaran sebanyak 14.43% (664.00 tan metrik) dari jumlah keseluruhan pengeluaran ternakan kolam airpayau. Adalah diperhatikan bahawa pengeluaran udang putih menurun sebanyak 60.27% (dari 141.59 tan metrik kepada 56.26 tan metrik). Dalam tahun 1993, ramai penternak lebih suka menternak udang harimau daripada udang putih disebabkan benih udang harimau lebih mudah diperolehi. Pengeluaran siakap meningkat sebanyak 64.33% (dari 37.59 tan metrik kepada 61.77 tan metrik) manakala pengeluaran kerapu menurun sebanyak 60.16% (dari 1.23 tan metrik kepada 0.49 tan metrik). Tiada pengeluaran tilapia merah dalam tahun 1992 tetapi dalam tahun 1993 pengeluarannya ialah sebanyak 18.48 tan metrik. Pengeluaran di Perlis meningkat sebanyak 500.55% (dari 5.50 tan metrik kepada 33.03 tan metrik), Kedah sebanyak 15.74% (dari 438.82 tan metrik kepada 507.90 tan metrik), Pulau Pinang sebanyak 152.22% (dari 199.83 tan metrik kepada 504.01 tan metrik), Perak sebanyak 126.10% (dari 273.82 tan metrik kepada 619.12 tan metrik), Selangor sebanyak 101.40% (dari 511.69 tan metrik kepada 1,030.51 tan metrik), Negeri Sembilan sebanyak 237.02% (dari 28.01 tan metrik kepada 94.40 tan metrik), Melaka sebanyak 313.41% (dari 9.32 tan metrik kepada 38.53 tan metrik), Johor sebanyak 46.43% (dari 476.68 tan metrik kepada 697.98 tan metrik), Terengganu sebanyak 13.35% (dari 42.46 tan metrik kepada 48.13 tan metrik).

6.5 Ikan Hiasan

- 6.5.1 Jumlah pengeluaran ikan hiasan meningkat sebanyak 84.09% dari 102,597,493 ekor dalam tahun 1992 kepada 188,871,525 ekor dalam tahun 1993. Dari segi nilai terdapat peningkatan sebanyak 93.17% (dari RM17.42 juta dalam tahun 1992 kepada RM33.65 juta dalam tahun 1993). Johor masih kekal sebagai pengeluar utama ikan hiasan yang menyumbangkan sebanyak 122,513,477 ekor iaitu 64.87% dari jumlah keseluruhan pengeluaran ikan hiasan dalam tahun 1993. Ini diikuti oleh Perak yang menyumbangkan sebanyak 37,696,455 ekor iaitu 19.96%, Selangor menyumbangkan sebanyak 18,848,227 ekor iaitu 9.98%, Pulau Pinang menyumbangkan sebanyak 9,424,114 ekor iaitu 4.99% dari jumlah pengeluaran ikan hiasan dalam tahun 1993. Dua kumpulan famili utama yang dikeluarkan adalah 'Cyprinids' menyumbangkan sebanyak 36.72% (Ikan emas dan koi 19.60%, Barb dan Danio 17.12%) dan 'Poecilids' menyumbangkan sebanyak 24.51% dari jumlah pengeluaran ikan hiasan.

7. PERAIRAN UMUM/PERIKANAN DARAT

- 7.1 Perairan umum/perikanan darat adalah ditakrifkan sebagai pengeluaran ikan dari sumber perairan umum iaitu sungai, tasik, bekas lombong dan empangan. Pendaratan dari perairan umum/perikanan darat meningkat sebanyak 11.17% dari 1,773.36 tan metrik dalam tahun 1992 kepada 1,971.38 tan metrik dalam tahun 1993. Selangor, Melaka, Terengganu, Johor, Negeri Sembilan dan Kedah menunjukkan peningkatan dalam pendaratan masing-masing sebanyak 152.04%, , 90.21%, 73.25%, 47.51%, 6.94% dan 4.74%. Perlis mencatatkan pengeluaran sebanyak 9.19 tan metrik bagi tahun 1993 dengan adanya pembukaan Empangan Timah Tasuh. Sabah juga mencatatkan pengeluaran sebanyak 96.00 tan metrik dari perairan umum/perikanan daratnya. Peningkatan pendaratan adalah ekoran dari kejayaan program pelepasan benih ikan ke perairan umum dan penguatkuasaan kaedah-kaedah perikanan (sungai) di beberapa buah negeri.

STATUS OF THE FISHERIES SECTOR IN MALAYSIA

1. INTRODUCTION

- 1.1 The fishing industry has an important role in the Malaysian economy. It contributed 1.63% to the GDP in 1993. The total fish landing from the fisheries sector amount to 1,154,559 tonnes in 1993, while in 1992, the total fish landing was 1,104,988 tonnes. This showed an increase of 4.49%. In terms of value, there was an increase of 3.85% from RM 2.60 billion in 1992 to RM 2.70 billion in 1993.
- 1.2 Basically the fisheries industry in Malaysia can be divided into marine fisheries, aquaculture and public water bodies/inland Fisheries. However, public water bodies/inland Fisheries at this present moment does not contribute significantly to the fisheries industry. For management purposes, the marine fisheries is categorized into the inshore sector and the deep sea sector. Aquaculture on the other hand covers freshwater culture and brackishwater culture. The inshore fisheries is already heavily exploited and there is evidence that fishing is over-saturated. However, the deep sea fisheries 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 fisheries and aquaculture sector while sustaining production from the inshore sector. Ornamental fish industry in the past few years has also shown tremendous growth in terms of production and export.
- 1.3 The total landing from marine capture fisheries increased by 2.33% from 1,023,516 tonnes in 1992 to 1,047,350 tonnes in 1993. In terms of value, there was a slight decrease of 0.04% from RM2.379 billion in 1992 to RM2.378 billion in 1993. Meanwhile, the total production of aquaculture, excluding ornamental fish production also increased by 32.04% from 79,698.66 tonnes in 1992 to 105,237.29 tonnes in 1993. In terms of value, there was an increase of 41.03% from RM207.36 million in 1992 to RM292.43 million in 1993. The ornamental fish production increased by 84.09% from 102,597,493 pieces in 1992 to 188,871,525 pieces in 1993. In terms of value, there was an increase of 93.17% from RM17.42 million in 1992 to RM33.65 million in 1993. The Public

Waterbodies/Inland Fisheries produced 1,971.38 tonnes of fish in 1993 compared to 1,773.36 tonnes in 1992. This is an increase of 11.17% in production.

2. **EMPLOYMENT (MANPOWER)**

- 2.1 A total of 80,278 fishermen were engaged in the marine fisheries sector in 1993 compared to 85,085 fishermen in 1992, thus showing a decrease of 5.65%. This trend is in line with the Government management policy to reduce the number of fishermen so that each one will have a bigger share of the resources and only the fishermen who are genuinely interested in fishing as a means of livelihood will stay in the industry. There was a decrease in the total number of fishermen from Peninsular Malaysia by 10.80% (from 60,410 fishermen to 53,887 fishermen). Most of the states in the Peninsular Malaysia showed a decrease in the total number of fishermen. Negeri Sembilan showed the most significant decrease of the number of fishermen by 41.71% followed by Penang 30.25%, Pahang 21.13%, Perak 20.15%, Malacca 16.68% and West Johore 11.89%. Terengganu recorded a drop of 6.99% and Selangor 2.20%. However, East Johore showed an increase of 5.81%, Kelantan 1.36% and Perlis showed a very slight increase in the number of fishermen by 0.09%. The number of fishermen in Sabah increased by 6.98%, Sarawak by 8.02% and Labuan decreased by 9.36%. The overall decrease in the number of fishermen in Peninsular Malaysia and Labuan was due to the decrease in the number of licensed fishing vessels. While Sabah and Sarawak showed an increase of licensed fishing vessels and this was reflected in the increase of the number of fishermen.
- 2.2 The number of fishermen working on licensed fishing vessels using commercial gears was 34,358 fishermen which was 42.80% (25.59% fishermen on trawl vessels and 17.21% fishermen on fish purse seine vessels) of the total number of fishermen working on licensed fishing vessels. While, the number of fishermen working on licensed fishing vessels using traditional gears was 45,920 fishermen i.e 57.20% of the total number of fishermen working on licensed fishing vessels.
- 2.3 A total of 4,659 foreign fishermen had been approved in 1993 to work on fishing vessels licensed in Malaysia. Of this, 4,635 foreign fishermen had been approved to work in Peninsular Malaysia showing an increase of 16.17%. The

percentage of the total foreign fishermen had been approved to work on fishing vessels in Terengganu was 29.32%, Kedah 17.04%, Perlis 16.51%, Kelantan 15.63%, Pahang 12.34%, East Johore 8.65% and Labuan 0.51%. The main states which showed significant increase in the number of foreign fishermen approved were Terengganu 367.81% (from 292 fishermen to 1,366 fishermen) and Kelantan 177.93% (from 145 fishermen to 403 fishermen).

3. FISHING VESSELS

- 3.1 On the whole the fishing fleet decreased slightly from 32,550 units in 1992 to 31,575 units in 1993 i.e a drop of 3.00%. The decrease came from Peninsular Malaysia that was by 8.39% (from 21,854 units in 1992 to 20,020 units in 1993) and Labuan by 20.37% (from 162 units in 1992 to 129 units in 1993). The Sabah fishing fleet increased by 8.82% (from 7,797 units to 8,485 units), while Sarawak increased by 7.45% (from 2,737 units to 2,941 units).
- 3.2 The total number of deep sea fishing fleet licensed (70 GRT and above) in Malaysia in 1993 was 612 units while in 1992, it was 603 units. The increase came from Labuan by 100% (from 5 units to 10 units), Sarawak by 2.26% (from 133 units to 136 units) and Peninsular Malaysia by 0.22% (from 455 units to 456 units).

4. FISHING GEARS

- 4.1 The total number of fishing gears licensed in 1993 decreased by 8.01% compared to 1992 (from 28,944 units in 1992 to 26,625 units in 1993). For all the states in Peninsular Malaysia there was a decrease of 8.39% fishing gears licensed (from 21,854 units to 20,020 units). While Labuan and Sabah showed a decrease in the number of fishing gears licensed i.e. 20.37% (from 162 units to 129 units) and 18.21% (from 3,849 units to 3,148 units). Sarawak on the other hand showed an increase in the number of fishing gears licensed by 8.09% (from 3,079 units to 3,328 units).

5. **MARINE FISH LANDINGS**

- 5.1 The total landing from marine capture fisheries increased by 2.33% from 1,023,516 tonnes in 1992 to 1,047,350 tonnes in 1993. In terms of value, there was a slight decrease of 0.04% from RM2.379 billion in 1992 to 2.378 billion in 1993. The decrease was due to the drop in the landing of higher value fish (Grade I and Grade II) and prawn. The Grade I and Grade II fish landing decreased by 10.26%(from 87,871 tonnes in 1992 to 78,859 tonnes in 1993). While prawn landing decreased by 16.11%(from 127,398 tonnes in 1992 to 106,879 tonnes in 1993). In terms of value Grade I and Grade II fish value decreased by 11.40%(from RM483.93 million in 1992 to RM428.78 million in 1993). While the prawn value decreased by 11.78% (from RM733.06 million in 1992 to RM646.71 million in 1993). The shellfish showed significant increase in terms of landing and value. The landing of shellfish increased by 109.04% (from 10,639 tonnes in 1992 to 22,240 tonnes in 1993) and the value increased by 124.91 %(from RM16.18 million in 1992 to RM36.39 million in 1993).
- 5.2 The overall total marine landing for the East Coast of Peninsular Malaysia increased by 17.57% (from 293,537 tonnes to 345,103 tonnes). Kelantan, Terengganu and Pahang showed increase in landing and this was due to shorter and less severe monsoon period in 1993 and this encouraged the fishermen to go out more to sea. However, East Johore landing decreased by 5.28% (from 70,607 tonnes to 66,882 tonnes). The decrease in landing was observed to be mainly due to the drop in the deep sea vessels' catch. In 1993, although the number of deep sea vessels licenced in East Johore increased by 1 unit (from 68 units to 69 units) due to the poor catch from the surrounding fishing ground, the deep sea fishermen went out to sea less. In the West Coast of Peninsular Malaysia, the total marine landing decreased by 5.80% (from 473,995 tonnes to 446,515 tonnes). The decrease in landing mostly came from Perak where the landing dropped by 22,446 tonnes (from 201,859 tonnes to 179,406 tonnes). The weather was cited as a factor for the poor landing in the West Coast of Peninsular Malaysia.

5.3 Inshore Fisheries

- 5.3.1 The inshore fisheries includes traditional vessels and commercial vessels of below 70 GRT operating all types of gears. The inshore fisheries contributed a total of 901,801 tonnes of fish for 1993 which was 86.10% of the total marine fish landing of Malaysia compared to 877,162 tonnes in 1992 i.e 85.70% of the total landing of marine fisheries in Malaysia. In terms of area of landing, West Coast of Peninsular Malaysia contributed 46.06% (415,335 tonnes), East Coast of Peninsular Malaysia 29.84% (269,126 tonnes), Sabah 16.47% (148,552 tonnes), Labuan 1.81% (16,302 tonnes) and Sarawak 5.82% (52,486 tonnes) of the total landing of the inshore fisheries. By value, the inshore fisheries contributed RM2,109.21 million in 1993 which was 88.67% of the total marine fish landing value of Malaysia. The value of inshore fisheries increased by 0.35% (from RM2,101.83 million in 1992 to RM2,109.21 million in 1993).
- 5.3.2 The total inshore marine fisheries landing had increased by 2.81% (from 877,162 tonnes in 1992 to 901,801 tonnes in 1993). The increase came from East Coast of Peninsular Malaysia (from 214,068 tonnes to 269,126 tonnes) and Sabah (from 144,867 tonnes to 148,552 tonnes). However, there was a decrease in the inshore marine landing in the West Coast of Peninsular Malaysia (from 444,718 tonnes to 415,335 tonnes), Sarawak (from 55,549 tonnes to 52,486 tonnes) and Labuan (from 17,960 tonnes to 16,302 tonnes). It has been observed that the anchovies fisheries in the West Coast of Peninsular Malaysia had declined by 54.70% (from 28,260 tonnes in 1992 to 12,802 tonnes in 1993).

Table I

Malaysia
Landings and Values of Marine Inshore Fisheries, 1993

	Landing (Tonnes)	Value (RM)
West Coast of Peninsular Malaysia	415,335	1,002,098,012
East Coast of Peninsular Malaysia	269,126	517,923,109
Peninsular Malaysia	684,461	1,520,021,121
Sabah	148,552	360,332,090
Sarawak	52,486	185,382,493
Labuan Federal Territory	16,302	43,474,474
Total	901,801	2,109,210,178

5.4 **Deep Sea Fisheries**

- 5.4.1 The deep sea fisheries includes vessels of 70 GRT and above operating trawl net, fish purse seine nets (except anchovy purse seine nets), hooks and lines, drift/gill nets and operate a distance of above 30 nautical miles from the coast. The deep sea fisheries contributed a total of 145,549 tonnes of fish in 1993 which was 13.90% of the total marine fish landing of Malaysia. In terms of area of landing, West Coast of Peninsular Malaysia contributed 21.42%, East Coast of Peninsular Malaysia 52.20%, Sabah 4.20%, Labuan 1.95% and Sarawak 20.23% of the total landing of the deep sea fisheries. In terms of fishing gears, trawlers landed 69.70%, the purse seiners landed 30.16% and hook and lines landed 0.14% of the total landing of the deep sea fisheries. By value, the deep sea fisheries contributed RM269.40 million in 1993 which was 11.33% of the total marine fish landing value of Malaysia. The value of deep sea fisheries decreased by 3.14% (from RM278.12 million in 1992 to RM269.40 million in 1993). In terms of fishing gears, trawlers contributed 61.87%, purse seiners 37.85% and hook and lines 0.28% of the total value of deep sea fisheries.
- 5.4.2 The total landing of deep sea fisheries decreased by 0.55% (from 146,354 tonnes in 1992 to 145,549 tonnes in 1993). Although there was a marginal decrease in deep sea fisheries landing for Malaysia, the West Coast of Peninsular Malaysia, Sabah and Labuan showed an increase in their deep sea fisheries landing by 6.50%, 95.18% and 59.23% respectively.

Table II

Malaysia
Landings of Deep Sea Fisheries by Gear Group, 1993
(Quantity in Tonnes)

	Trawl nets 70 GRT & above	Fish Purse Seine nets 70 GRT & above	Hooks and Lines 70 GRT & above	Total
West Coast of Peninsular Malaysia	23,287	7,893	0.00	31,180
East Coast of Peninsular Malaysia	46,802	29,175	0.00	75,977
Peninsular Malaysia	70,089	37,068	0.00	107,157
Sabah	534	5,456	125	6,115
Sarawak	29,438	0.00	0.00	29,438
Labuan Federal Territory	1,379	1,378	82	2,839
Total	101,440	43,902	207	145,549

Table III

Malaysia
Values of Deep Sea Fisheries by Gear Group, 1993
(Value in RM)

	Trawl nets 70 GRT & above	Fish Purse Seine nets 70 GRT & above	Hooks and Lines 70 GRT & above	Total
West Coast of Peninsular Malaysia	38,263,335	18,330,467	0.00	56,593,802
East Coast of Peninsular Malaysia	76,901,302	67,755,145	0.00	144,656,447
Peninsular Malaysia	115,164,637	86,085,612	0.00	201,250,249
Sabah	877,426	12,670,851	463,853	14,012,130
Sarawak	48,370,167	0.00	0.00	48,370,167
Labuan Federal Territory	2,265,863	3,200,226	304,287	5,770,376
Total	166,678,093	101,956,689	768,140	269,402,922

6. **AQUACULTURE**

6.1 Basically, the aquaculture industry in Malaysia comprises of freshwater and brackishwater culture. Freshwater culture is carried out in freshwater ponds, freshwater cages, cement tanks and ex-mining pools. On the other hand, brackishwater culture covers brackishwater ponds, brackishwater cages and mollusc culture comprising of cockle, mussel and oyster culture.

6.2 The total production of aquaculture, excluding ornamental fish production increased by 32.17% from 79,698.66 tonnes in 1992 to 105,237.31 tonnes in 1993. In terms of value, there was an increase of 41.03% from RM207.36 million in 1992 to RM292.43 million in 1993. While, the total production of ornamental fish increased by 84.09% from 102,597,493 pieces in 1992 to 188,871,525 pieces in 1993. In terms of value, the increase was 93.17% (from RM17.42 million in 1992 to RM33.65 million in 1993).

6.3 **Freshwater Culture**

6.3.1 The total production of freshwater culture decreased by 3.28% from 15,991.93 tonnes in 1992 to 15,467.59 tonnes in 1993. The decrease in production was attributed to the decrease in production of freshwater ponds and ex-mining pools. The freshwater ponds area decreased by 22.2% (from 5,598.09 hectares in 1992 to 4,356.93 hectares in 1993). In terms of value, there was an increase of 7.94 % from RM104.25 million in 1992 to RM112.53 million in 1993. Freshwater culture contributed 14.70% of the total aquaculture production in 1993 and in terms of value, it contributed 38.48% of the total aquaculture value in 1993.

6.3.2 Freshwater pond culture production was the highest in 1993, contributing 86.13% (13,323.19 tonnes) followed by production from freshwater cage culture contributing 5.08% (785.53 tonnes), ex-mining pool culture contributing 6.15% (951.03 tonnes) and freshwater cement tank culture contributing 2.64% (407.84 tonnes) of the total production of freshwater culture. A total of 13,624 culturists were involved in the freshwater pond culture covering an area of 4,356.93 hectares, 568 culturists involved in the freshwater cage culture covering an area 48,693.27metres square , 227 culturists involved in the freshwater culture in the ex-mining pools covering an area of 1,397.04 hectare and 214 culturists involved in freshwater cement tank culture covering an area of 34,793.72 metres square.

6.3.3 The 3 main species cultured in freshwater ponds in Peninsular Malaysia in 1993

were eel, producing 2,824.00 tonnes followed by red tilapia producing 1,563.84 tonnes and freshwater catfish producing 722.13 tonnes. In Sabah, the 3 main species cultured in freshwater ponds were black tilapia producing 3,480.00 tonnes followed by common carp producing 837.00 tonnes and javanese carp producing 821.00 tonnes. In Sarawak, the 3 main species cultured were river carp producing 156.15 tonnes followed by javanese carp producing 104.10 tonnes and grass carp producing 78.08 tonnes. The average production for freshwater pond culture increased from 2.53 tonnes/hectare/year in 1992 to 3.06 tonnes/hectare/year in 1993.

- 6.3.4 The total production of freshwater cage culture increased by 62.47% from 483.51 tonnes in 1992 to 785.53 tonnes in 1993. The increase in production was due to the increase in the area of culture from 29,046.42 metres square in 1992 to 48,693.27 metres square in 1993. However, the average production decreased, but the decrease was not significant i.e from 16.65 kilograms/metre square/year in 1992 to 16.13 kilograms/metre square/year in 1993. The 2 main species cultured were red tilapia which constituted 74.48% (585.07 tonnes) and river catfish (*Pangassius sp*) which constituted 17.76% (139.47 tonnes) of the total production of the freshwater cage culture.
- 6.3.5 The total production of the freshwater culture in the ex-mining pools decreased by 29.35% (from 1,346.07 tonnes in 1992 to 951.03 tonnes in 1993). The average production also decreased from 1.27 tonnes/hectare/year in 1992 to 0.68 tonnes/hectare/year in 1993. The 2 main freshwater species cultured in the ex-mining pools were big head carp, which constituted 28.45% (270.57 tonnes) and grass carp which constituted 20.90% (198.71 tonnes) of the total species cultured in the ex-mining pools.
- 6.3.6 The total production of freshwater culture in cement tanks were 407.84 tonnes in 1993 and the 2 main species cultured were red tilapia constituting 86.38% (352.27 tonnes) and river catfish (*Pangassius sp*) constituting 8.32% (33.91 tonnes) of the total production of freshwater culture in cement tanks.

6.4 Brackishwater Culture

- 6.4.1 The total production of brackishwater culture increased by 40.91% from 63,706.73 tonnes in 1992 to 89,769.72 tonnes in 1993. The increase in production came from cockle culture and fish from brackishwater cages, brackishwater ponds and oyster culture, while the mussel production decreased. The brackishwater cage culture production increased by 83.84% (from 3,369.35 tonnes to 6,194.25 tonnes). The brackishwater pond culture increased by 42.70% (from 3,224.55 tonnes to 4,601.43 tonnes). Cockle culture increased by 39.88% (from 55,586.84 tonnes to 77,755.00 tonnes) and oyster culture increased by 12.69% (from 32.95 tonnes to 37.13 tonnes). While the mussel production decreased by 20.84% (from 1,493.04 tonnes to 1,181.91 tonnes). This was because of the occurrence of red tide in the West Coast of Peninsular Malaysia especially off the coast of Malacca. The Government had to impose a ban on mussel harvest during the period. Malacca mussel production in 1993 decreased by 58.57% (from 140.77 tonnes in 1992 to 58.10 tonnes in 1993).
- 6.4.2 In terms of value, the brackishwater culture showed an increase of 74.47% (from RM103.11 million in 1992 to RM179.90 million in 1993).
- 6.4.3 The number of culturists involved in brackishwater pond culture were 752 with an area of culture of 1,877.82 hectares, while the number of culturists involved in brackishwater cage culture were 885 with an area of culture 668,260.00 metres square. The number of culturists involved in cockle culture were 289 with an area of culture 5,040.55 hectares. The number of culturists involved in mussel culture were 203 with an area of culture 73,323.84 metres square and the number of culturists involved in oyster culture were 91 with an area of culture 94,052.75 metres square.
- 6.4.4 In 1993, cockle culture production was still the highest amongst the brackishwater culture production contributing 86.62% (77,755.00 tonnes) of the total production of brackishwater culture. While the brackishwater cage culture contributed 6.90% (6,194.25 tonnes), brackishwater pond culture 5.13% (4,601.43 tonnes), mussel culture 1.32% (1,181.91 tonnes) and oyster culture 0.04% (37.13 tonnes). However, in terms of value, brackishwater cage culture contributed the highest i.e 44.30% (RM79.70 million) followed by brackishwater pond culture 40.35% (RM72.59 million), cockle culture 14.89% (RM26.79 million),

mussel culture 0.26% (RM468,280.00) and oyster culture 0.20% (RM350,190.00).

6.4.5 The 3 main species cultured in brackishwater cages were barramundi/sea bass contributing 61.40% (3,803.41 tonnes) followed by grouper contributing 16.23% (1,005.41 tonnes) and mangrove snapper contributing 13.57% (840.63 tonnes). The total production of brackishwater cage culture increased by 83.84% (from 3,369.35 tonnes in 1992 to 6,194.25 tonnes in 1993). The culture area increased by 67.99% (from 397,799.36 metres square in 1992 to 668,260.00 metres square in 1993). The average production also increased from 8.47 kilograms/metre square/year in 1992 to 9.27 kilograms/metre square/year in 1993. Majority of the culturists changed from trash fish to formulated feed which improved growth rate and reduced disease occurrence. The total production of brackishwater cage culture, was shown to increase in Kedah by 39.24% (from 48.09 tonnes to 66.96 tonnes), Penang by 62.77% (from 945.31 tonnes to 1,538.67 tonnes), Perak by 222.68% (from 571.52 tonnes to 1,844.15 tonnes), Selangor by 0.53% (from 1,194.01 tonnes to 1,200.33 tonnes), Johore by 33.64% (from 548.32 tonnes to 732.76 tonnes), Pahang by 358.89% (from 0.90 tonnes to 4.13 tonnes) and Kelantan by 181.58% (from 9.77 tonnes to 27.51 tonnes). There was no production of brackishwater cage culture in 1992 for Malacca, Negeri Sembilan and Perlis. However in 1993, Malacca production was 10.93 tonnes, Negeri Sembilan 2.80 tonnes and Perlis 17.38 tonnes. Sabah showed a production of 740.00 tonnes in 1993.

6.4.6 The main species cultured in brackishwater ponds was still tiger prawn producing 85.57% (3,937.43 tonnes) of the total production of brackishwater pond culture. Other species cultured were banana prawn, barramundi/sea bass, grouper, mud crab and other miscellaneous species which comprised 14.43% (664.00 tonnes) of the total production of the brackishwater pond culture. It was observed that banana prawn production decreased by 60.27% (from 141.59 tonnes to 56.26 tonnes). In 1993 a number of culturists preferred to culture tiger prawn instead of banana prawn because tiger prawn fry were easily available. Barramundi/seabass production increased by 64.33% (from 37.59 tonnes to 61.77 tonnes) while grouper production dropped by 60.16% (from 1.23 tonnes to 0.49 tonnes). There was no production of red tilapia in

1992 but in 1993 the production was 18.48 tonnes. Perlis increased its production by 500.55% (from 5.50 tonnes to 33.03 tonnes), Kedah by 15.74% (from 438.82 tonnes to 507.90 tonnes), Penang by 152.22% (from 199.83 tonnes to 504.01 tonnes), Perak 126.10% (from 273.82 tonnes to 619.12 tonnes), Selangor 101.40% (from 511.69 tonnes to 1,030.51 tonnes), N. Sembilan by 237.02% (from 28.01 tonnes to 94.40 tonnes), Malacca by 313.41% (from 9.32 tonnes to 38.53 tonnes), Johore by 46.43% (from 476.68 tonnes to 697.98 tonnes), Terengganu 13.35% (from 42.46 tonnes to 48.13 tonnes).

6.5 **Ornamental Fish**

- 6.5.1 The total production of ornamental fish increased by 84.09% from 102,597,493 pieces in 1992 to 188,871,525 pieces in 1993. In terms of value, the increase was 93.17% (from RM17.42 million in 1992 to RM33.65 million in 1993). Johore remained as the main producer of ornamental fish contributing 122,513,477 pieces which was 64.87% of the total production of ornamental fish in 1993. This was followed by Perak which contributed 37,696,455 pieces which was 19.96%, Selangor 18,848,227 pieces which was 9.98%, Penang 9,424,114 pieces which was 4.99% of the total production of ornamental fish in 1993. The 2 main group of family produced were Cyprinids contributing 36.72% (Goldfish and Koi 19.60%, Barb and Danio 17.12%) and Poeciliids contributing 24.51% of the total production of the ornamental fish.

7. **PUBLIC WATERBODIES/INLAND FISHERIES**

- 7.1 Public Waterbodies/Inland Fisheries refers to the production of fish from public waterbodies resources i.e river, lakes, ex-mining pools and dams. The production of Public Waterbodies/Inland Fisheries increased by 11.17% from 1,773.36 tonnes in 1992 to 1,971.38 tonnes in 1993. Selangor, Malacca, Terengganu, Johore, Negeri Sembilan, and Kedah showed an increase in production by 152.04%, 90.21%, 73.25%, 47.51%, 6.94% and 4.74% respectively. Perlis reported a production of 9.19 tonnes for 1993 with the opening of Timah Tasoh Reservoir. Sabah also reported a production of 96.00 tonnes from its public water bodies/inland fisheries. The increase in production was the result of the success of the program on the release of fish fry to the public water bodies and the enforcement of the Fisheries (Riverine) Rules in a number of states.

PETA, CARTA DAN GRAF
MAPS, CHARTS AND GRAPHS

DAERAH-DAERAH PERIKANAN

FISHERIES DISTRICTS

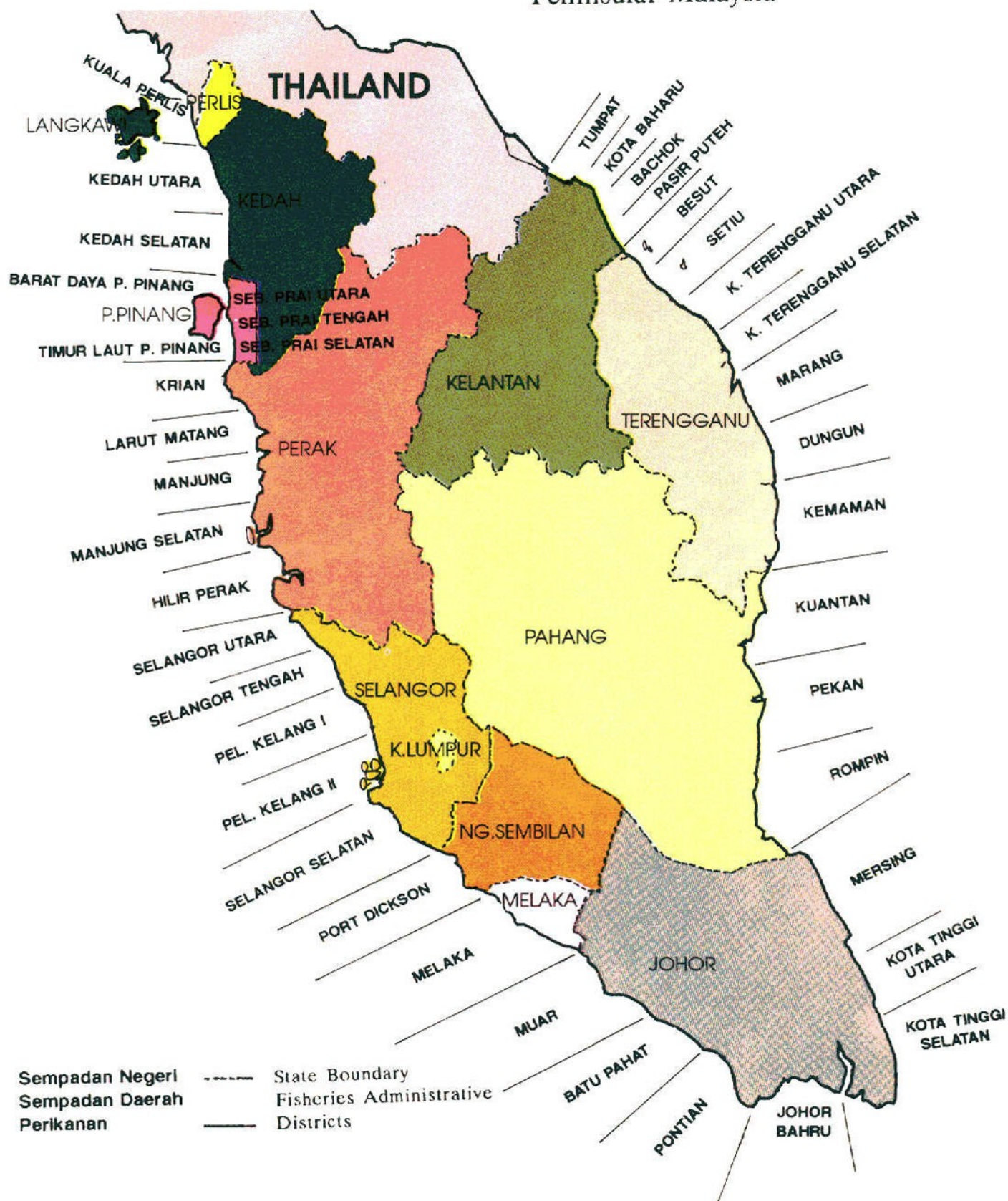
MALAYSIA

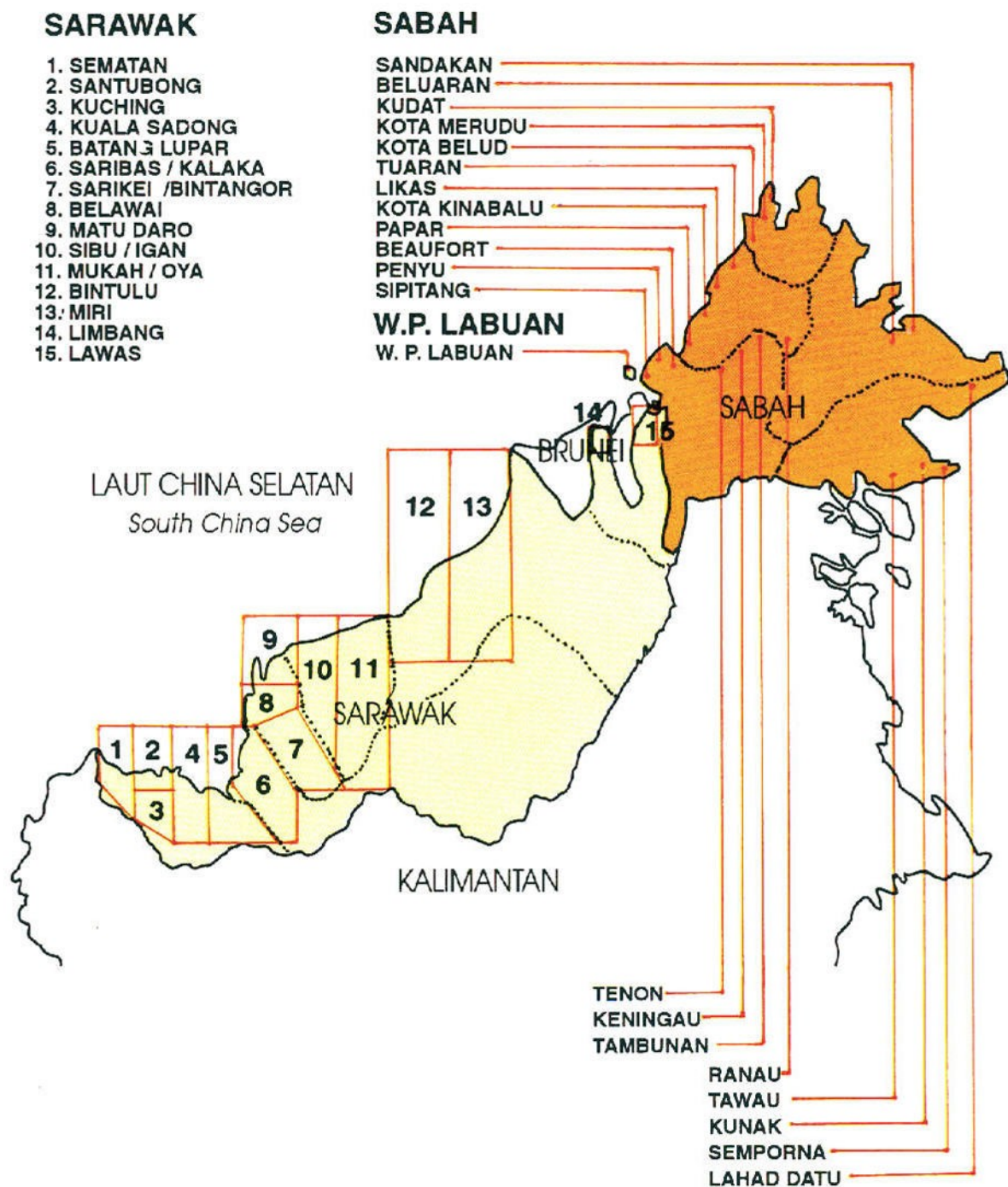
MALAYSIA - DAERAH-DAERAH PERIKANAN

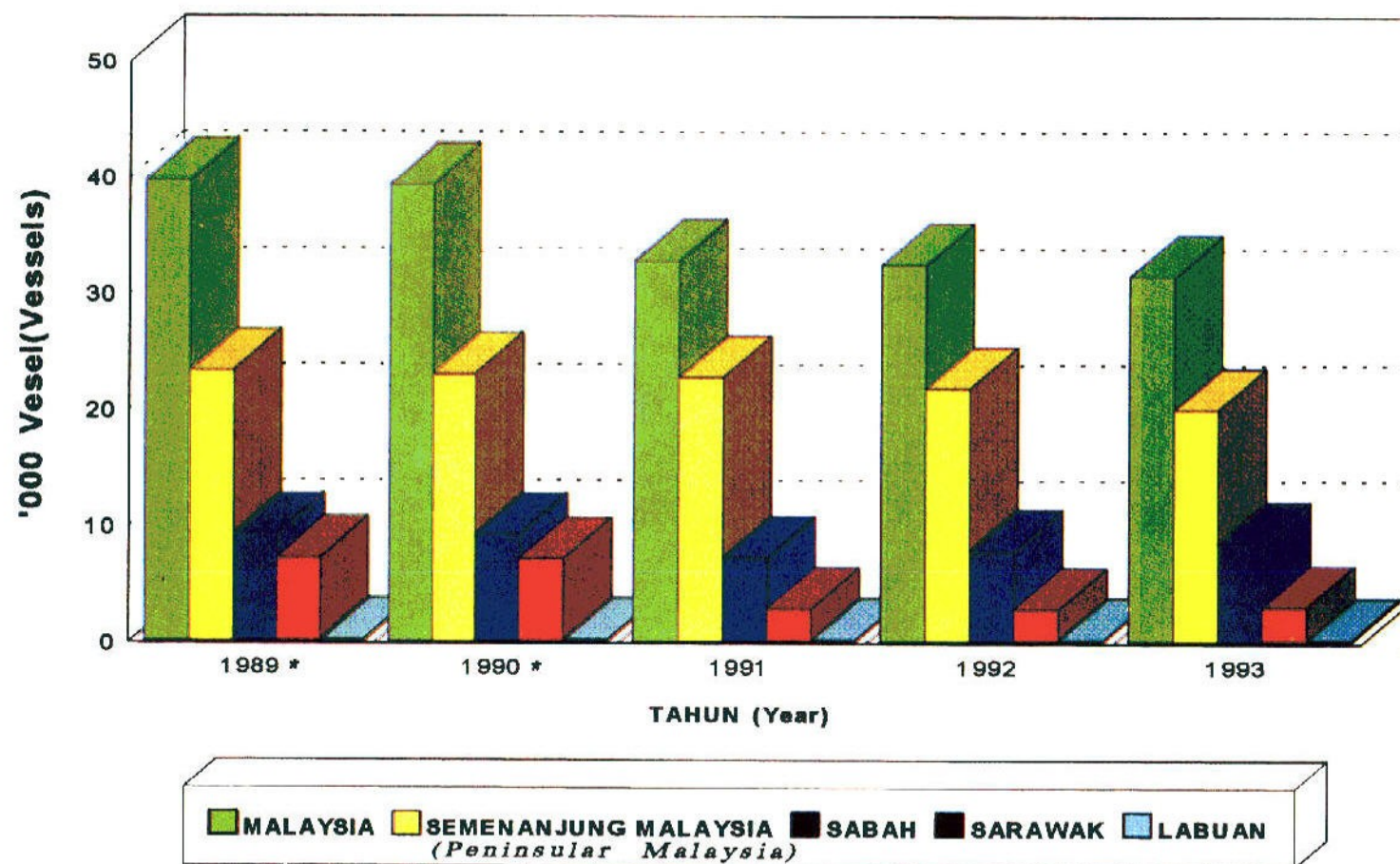
Malaysia - Fisheries Districts

SEMANANJUNG MALAYSIA

Peninsular Malaysia



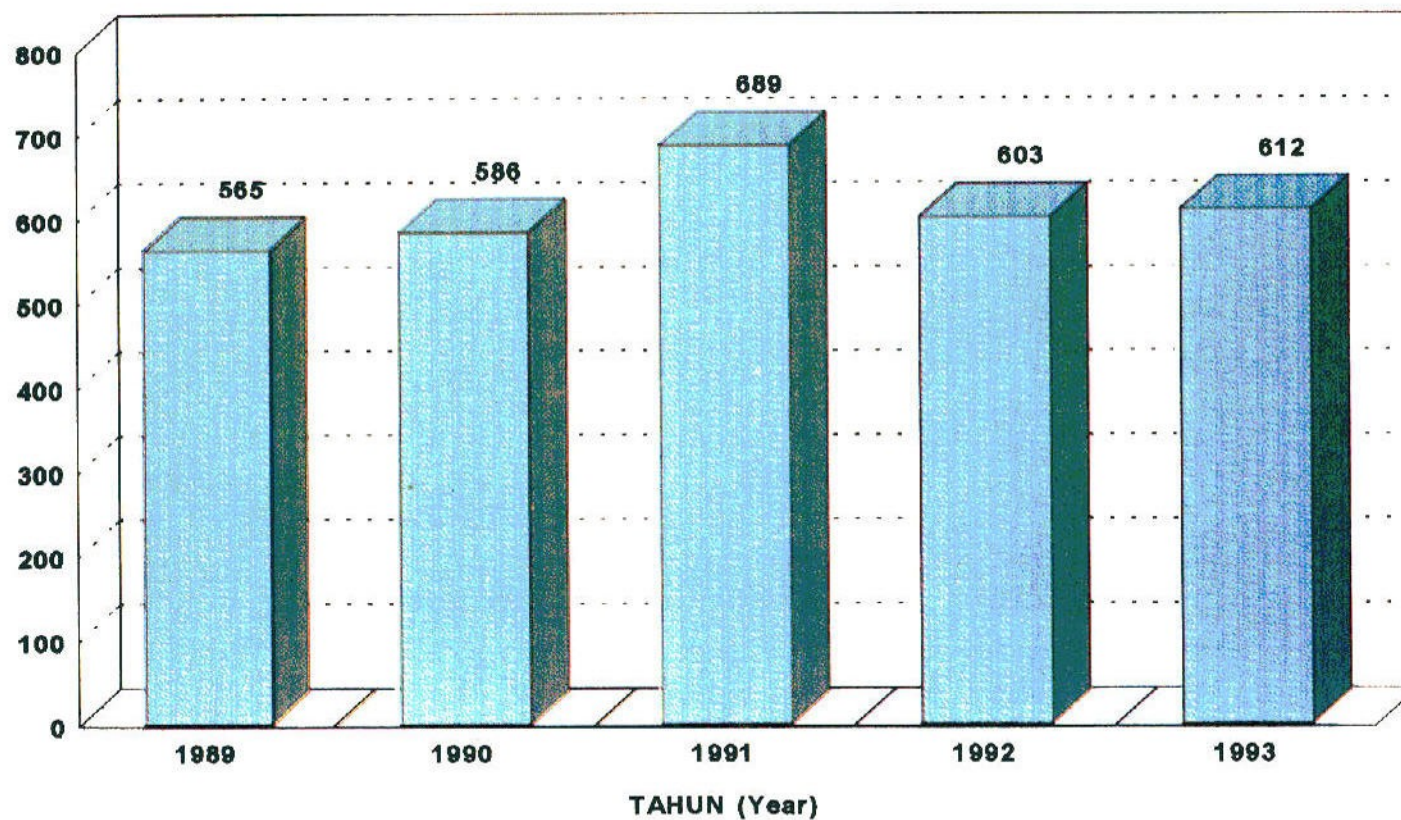


MALAYSIA**BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN, 1989-1993***(Number Of Fishing Vessels Licensed, 1989-1993)*

*Untuk Sarawak, bilangan vesel termasuk vesel yang tidak dlesenkan

(For Sarawak, the number of vessels include vessels not licensed)

MALAYSIA
BILANGAN VESEL-VESEL LAUT DALAM YANG DILESENKAN, 1989-1993
(Number Of Deep-Sea Vessels Licensed, 1989-1993)

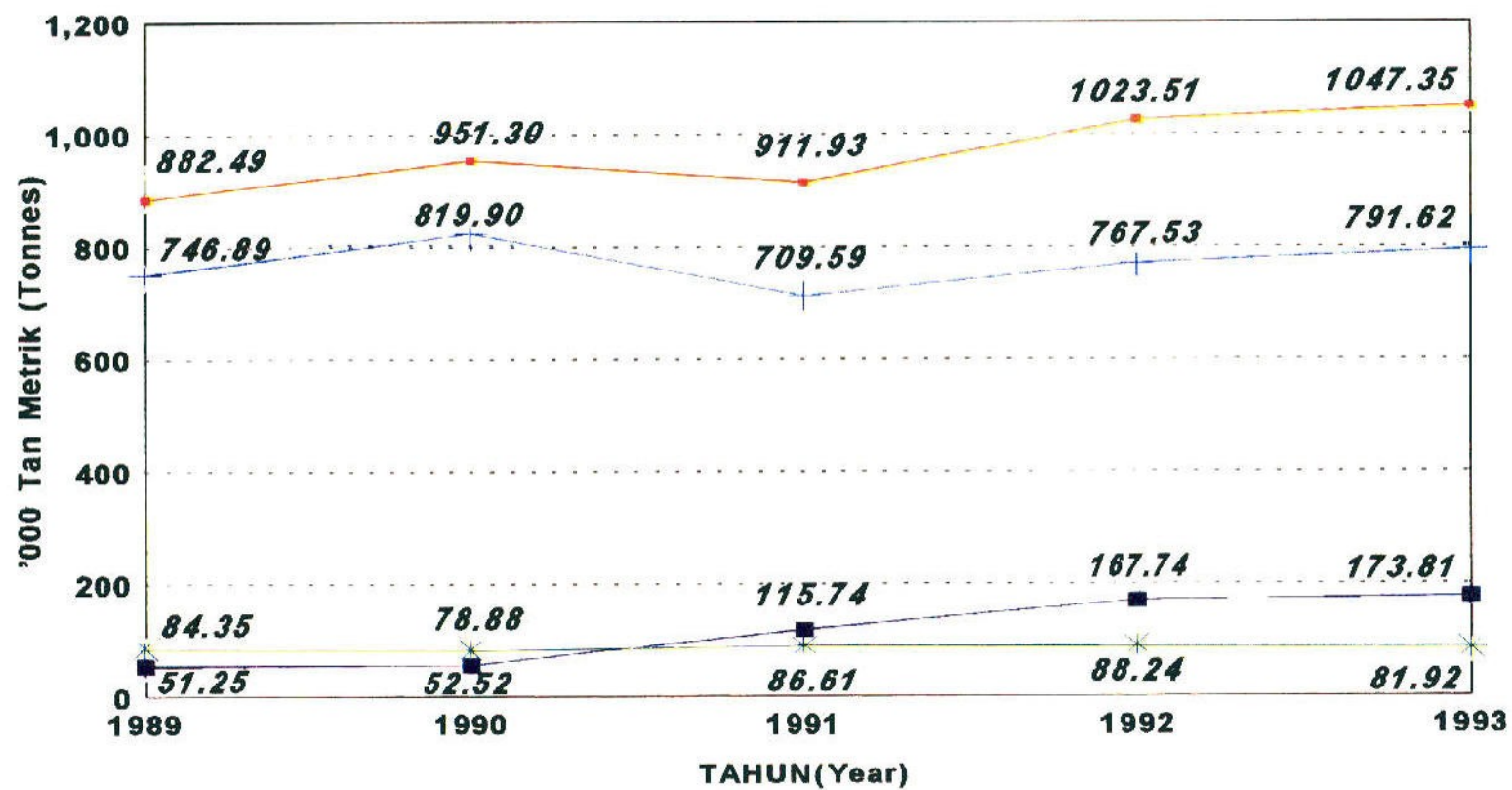


 **BIL. VESEL DILESENKAN**
(Number Of Licensed Vessels)

MALAYSIA

CARTA (CHART) III

ARAH ALIRAN PENDARATAN IKAN LAUT, 1989-1993
(Trend Of Marine Fish Landings, 1989-1993)

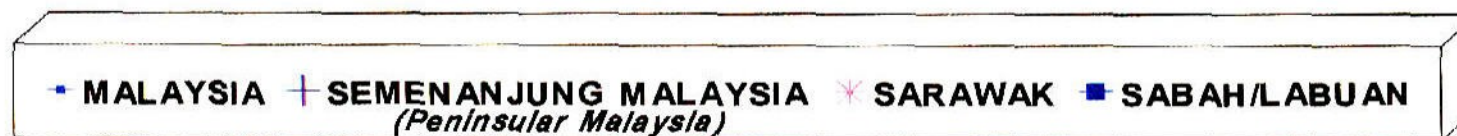
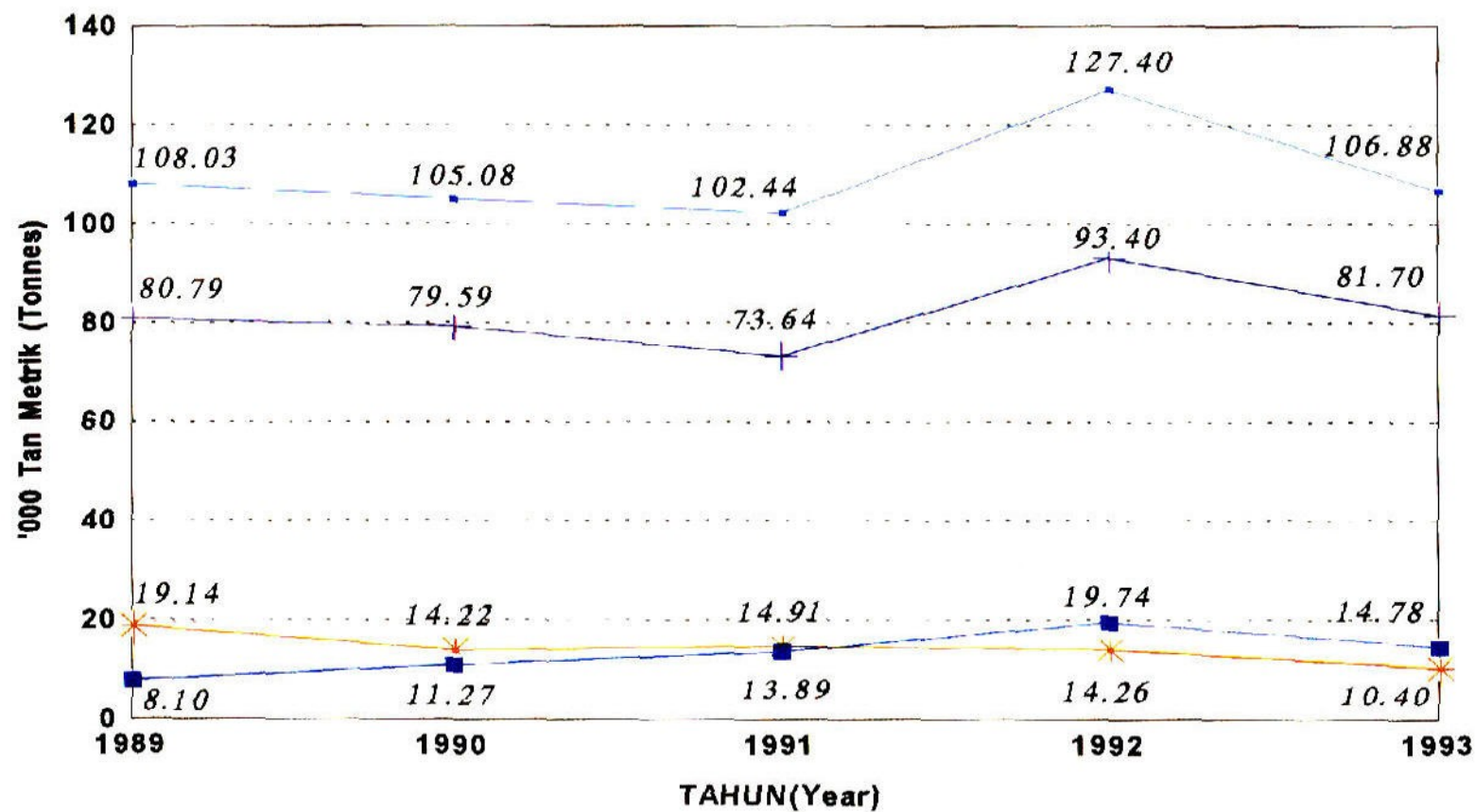


MALAYSIA

ARAH ALIRAN PENDARATAN UDANG, 1989-1993

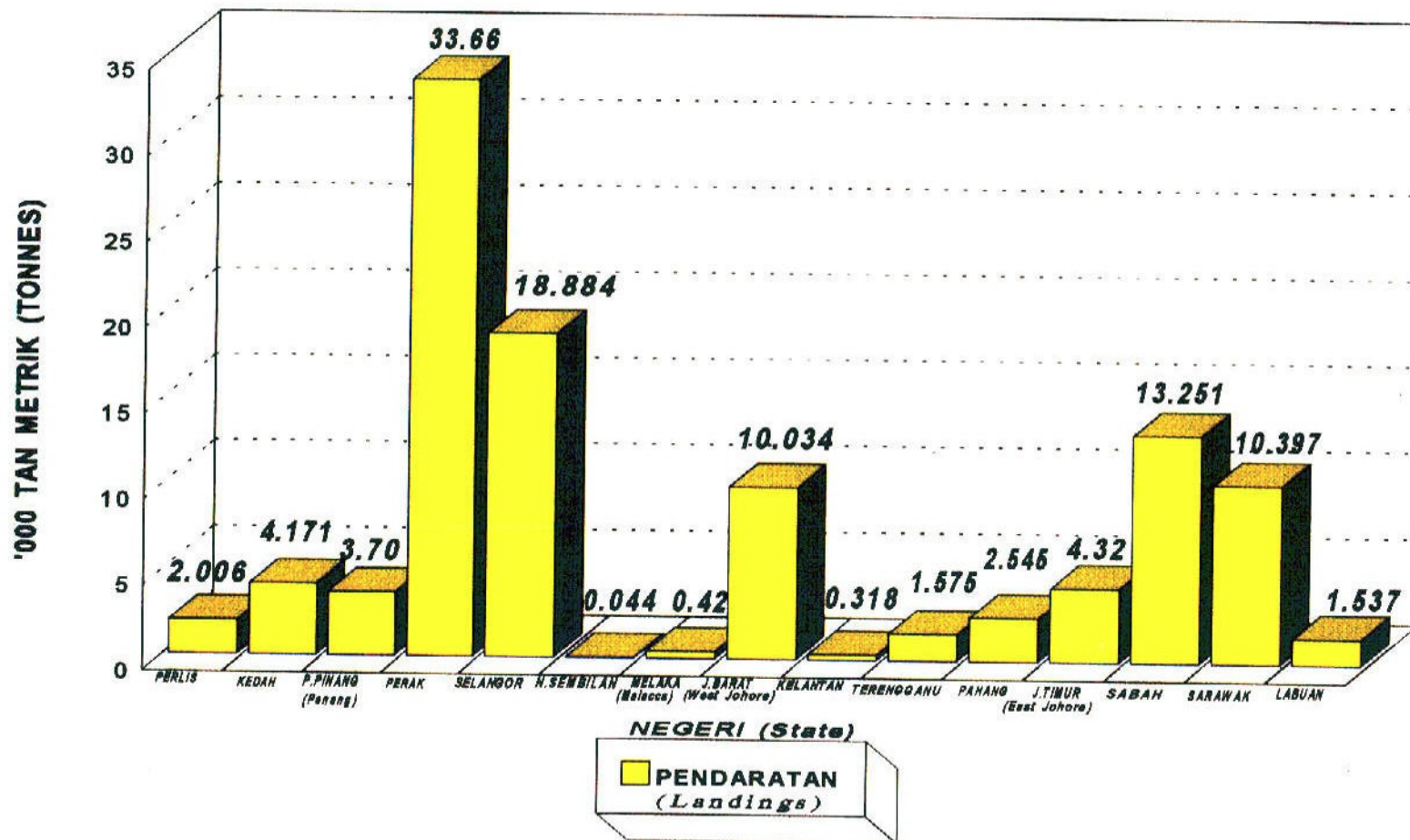
(Trend Of Prawn Landings, 1989-1993)

CARTA (CHART) IV

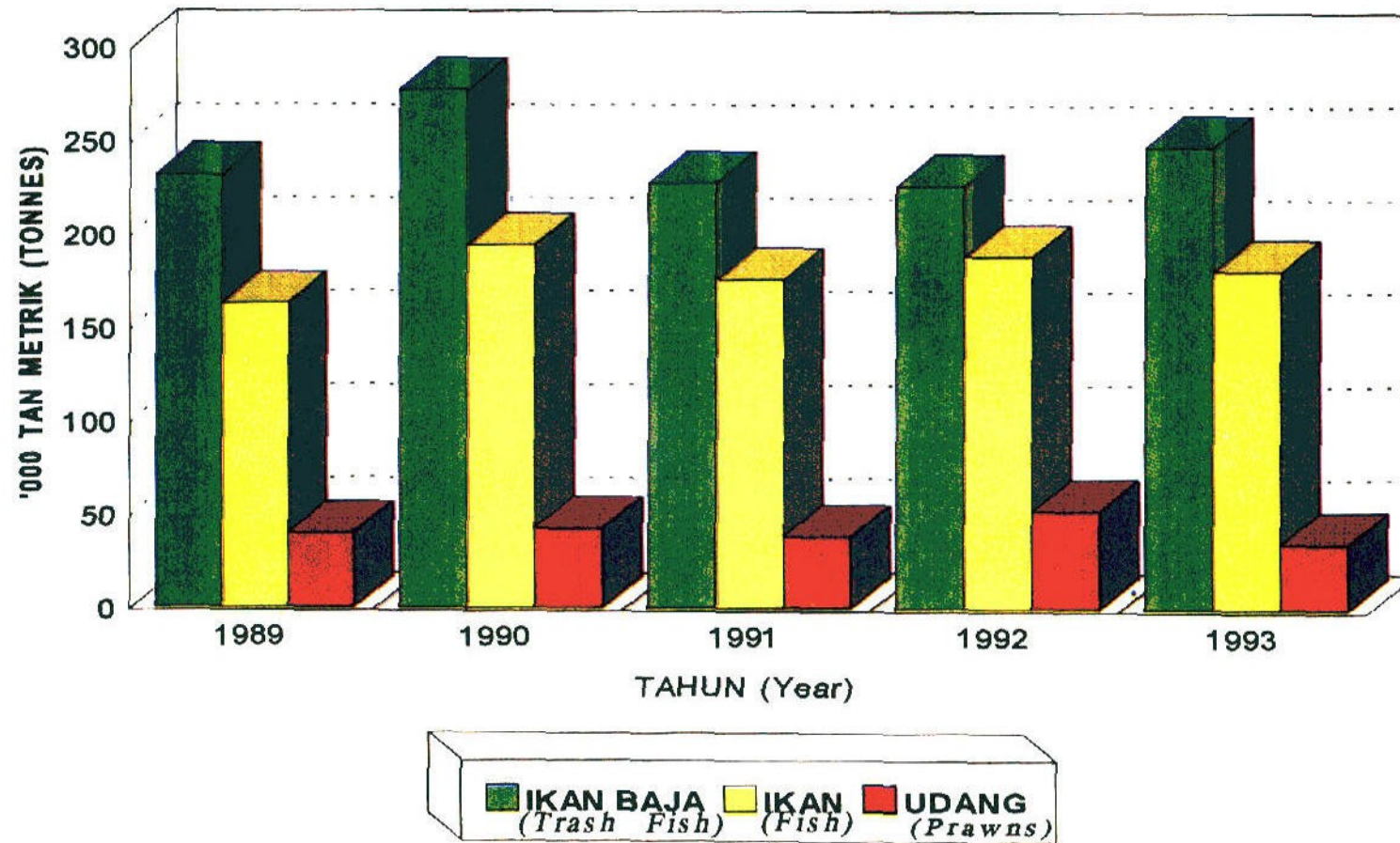


MALAYSIA
PENDARATAN UDANG, 1993
(PRAWN LANDINGS, 1993)

CARTA (CHART) V



SEMENANJUNG MALAYSIA
(Peninsular Malaysia)
PENDARATAN PUKAT TUNDA, 1989-1993
(Trawl Landings, 1989-1993)

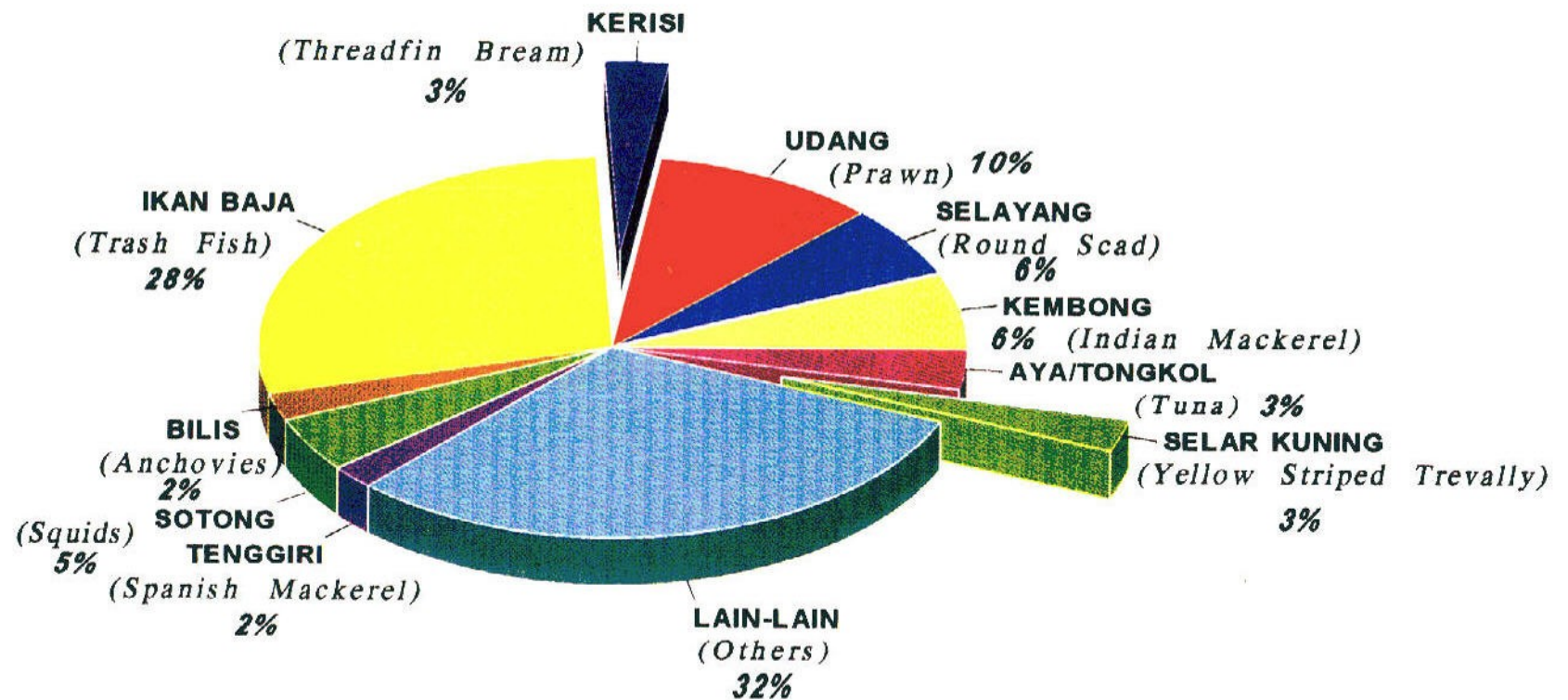


MALAYSIA

CARTA (CHART) VII

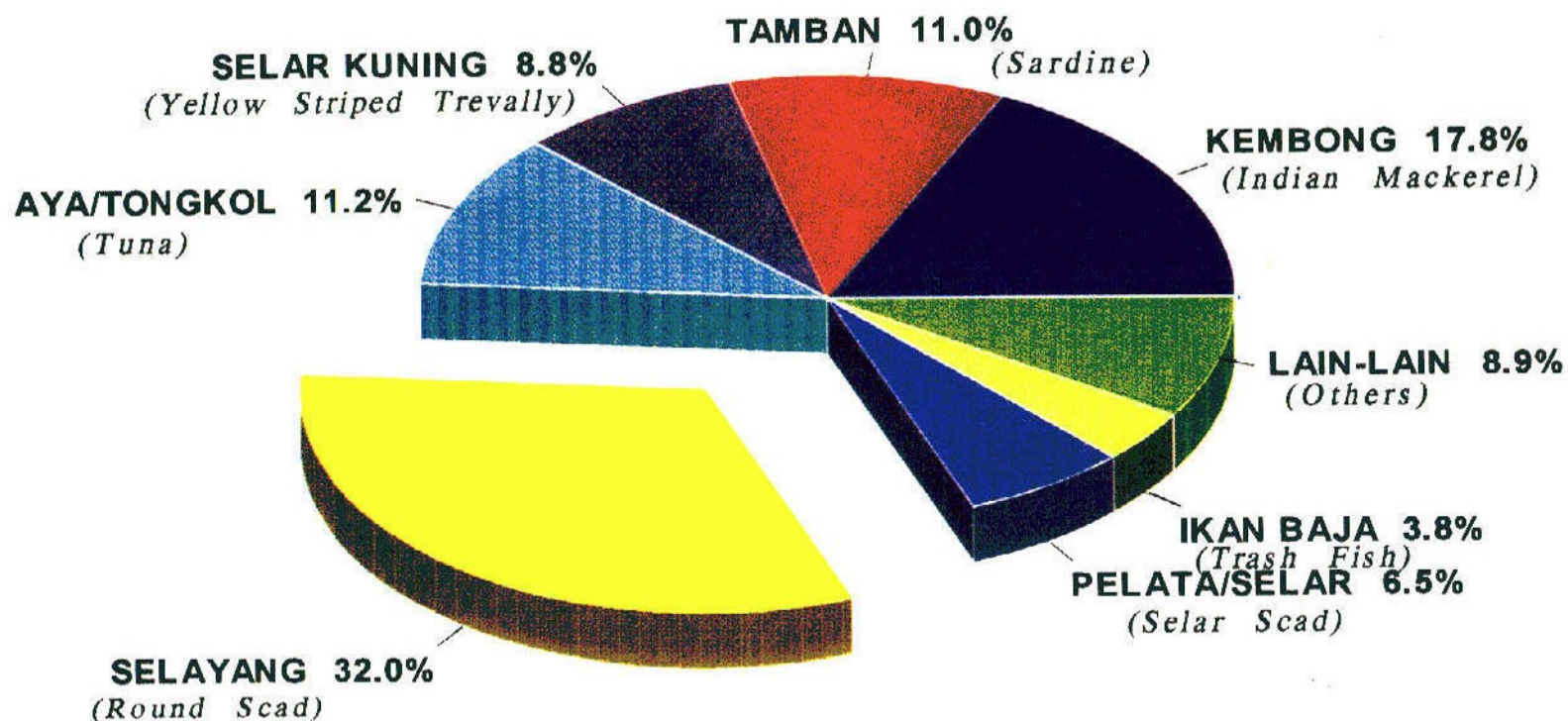
PENDARATAN IKAN LAUT MENGIKUT SPESIES UTAMA, 1993

(Landings Of Marine Fish By Main Species, 1993)



MALAYSIA

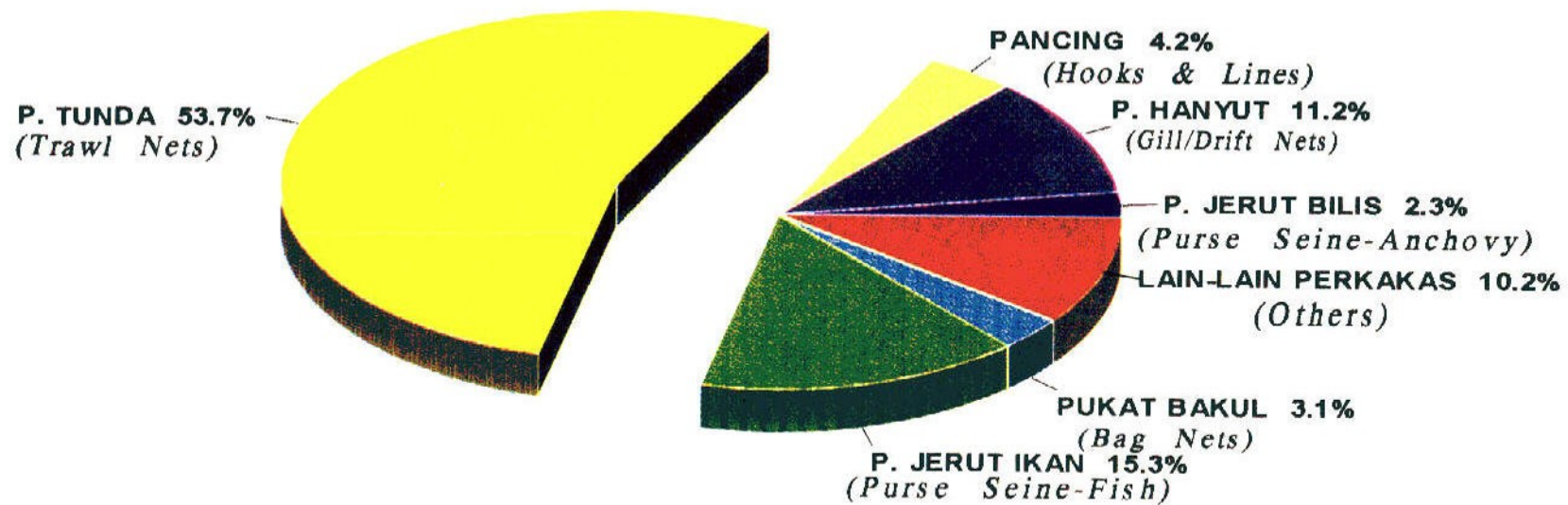
PENDARATAN PUKAT JERUT IKAN MENGIKUT SPESIES UTAMA, 1993 (Purse-Seine Fish Landings By Main Species, 1993)



MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS, 1993

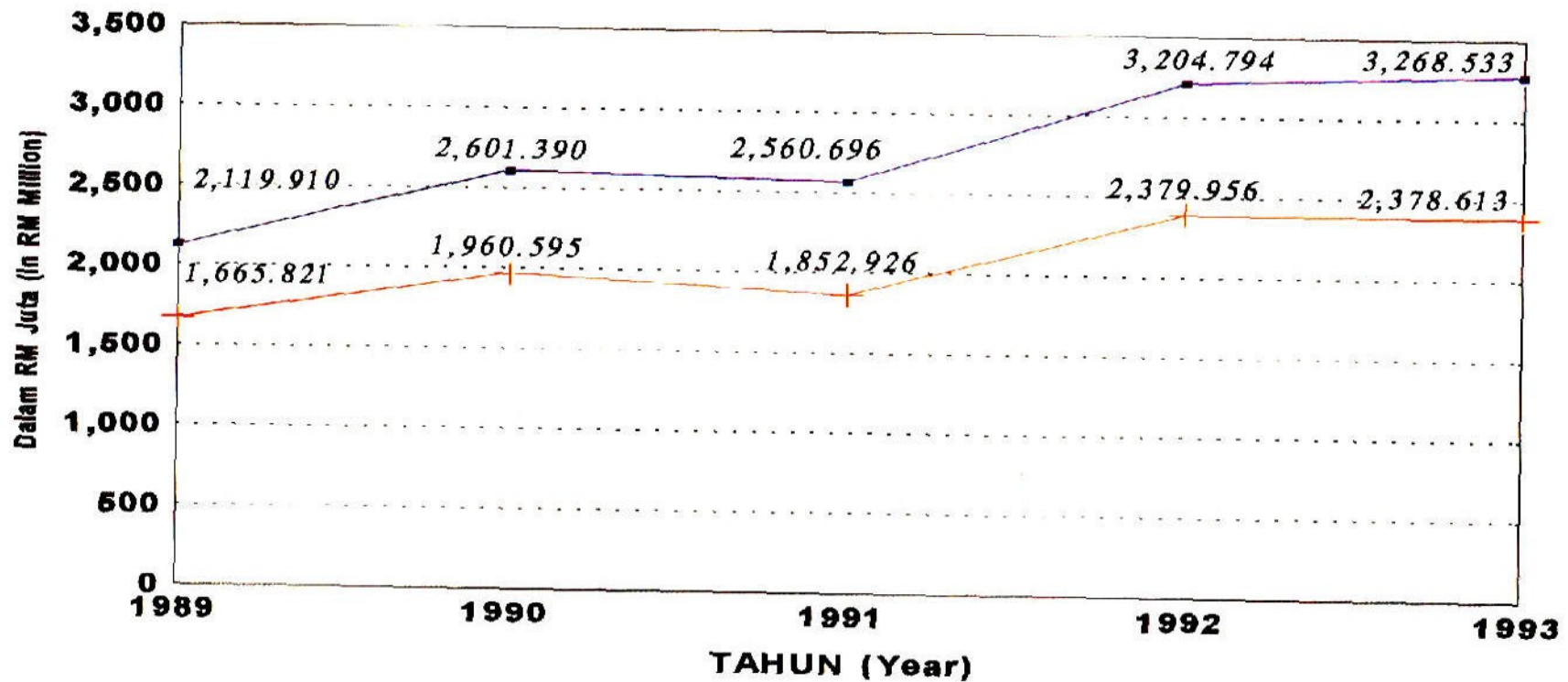
(Landings Of Marine Fish By Gear Group, 1993)



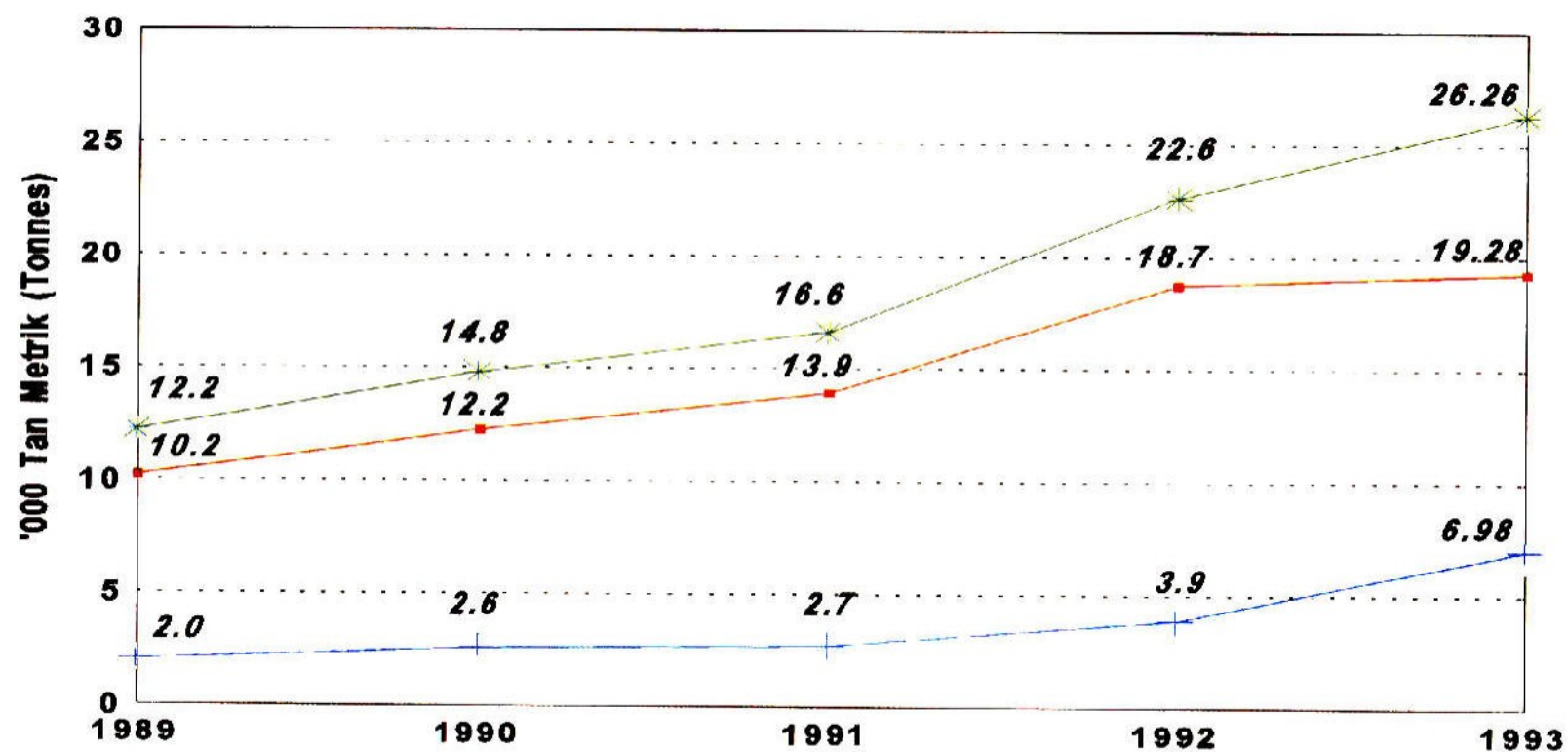
MALAYSIA

ARAH ALIRAN NILAI PASARAN IKAN LAUT, 1989-1993

(Trend Of Market Values Of Marine Fish, 1989-1993)

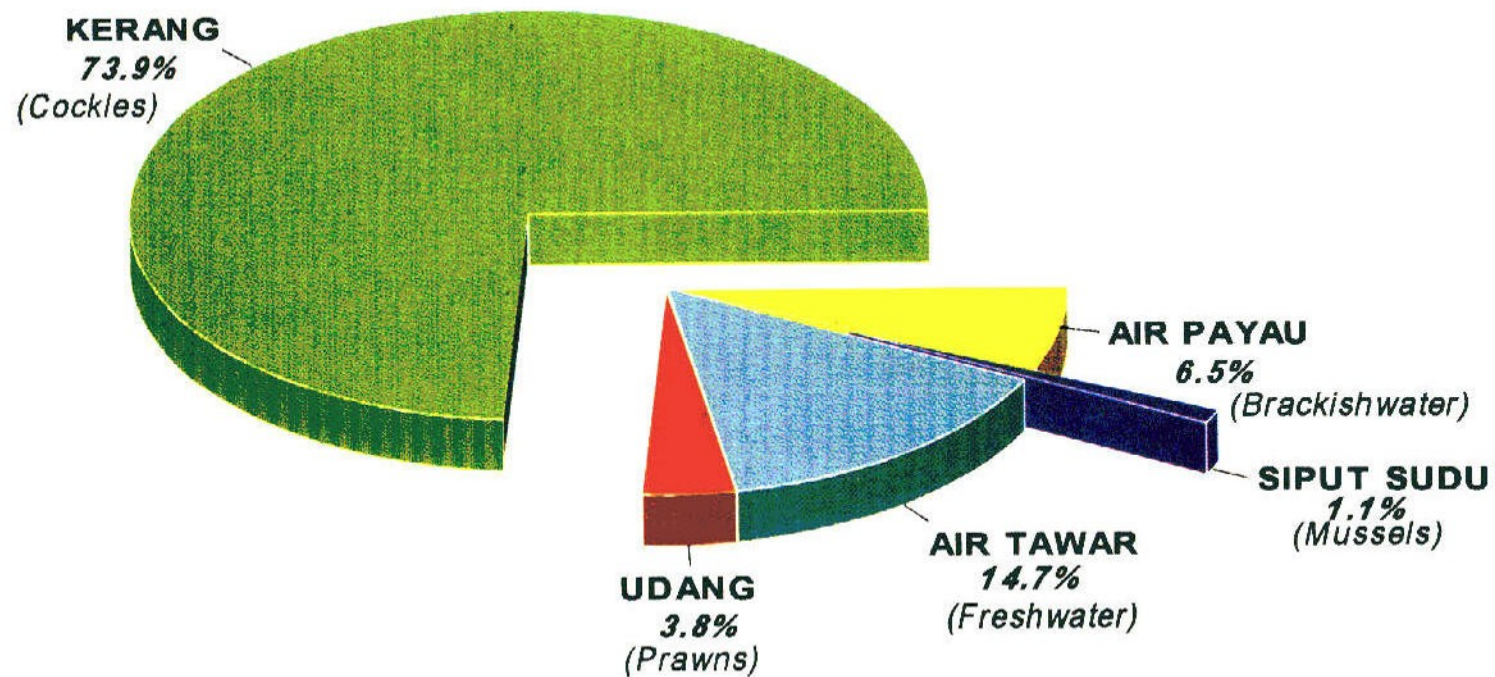


MALAYSIA
ARAH ALIRAN PENGELUARAN TERNAKAIR, 1989-1993
(Trend Of Aquaculture Production, 1989-1993)



■ KOLAM/BEKAS LOMBONG/ T. SIMEN. (Ponds/Ex-Mining Pools/Cement Tanks)
 + SANGKAR (Cages)
 ✱ JUMLAH (Total)

MALAYSIA
PENGELUARAN TERNAKAIR MENGIKUT JENIS TERNAKAN, 1993
(Production Of Aquaculture By Type Of Culture , 1993)



JADUAL
TABLES

PERIKANAN LAUT
MARINE FISHERIES

MALAYSIA
BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL-VESEL BERLESEN, 1993
NUMBER OF FISHERMEN WORKING IN LICENSED VESSELS, 1993

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, Federal Territory	Jumlah Kecil Sub- Total	Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore		Kelantan	Terengganu	Pahang	Johor Timur East Johore						
Bumiputera <i>Bumiputeras</i>	2,439	4,645	1,059	1,315	634	72	682	1,977	12,823	3,121	7,582	2,728	2,512	15,943	6,513	14,735	194	21,442	50,208
Cina <i>Chinese</i>	188	704	1,718	6,788	4,995	160	238	1,722	16,513	2	34	586	1,331	1,953	1,031	121	19	1,171	19,637
India <i>Indians</i>	0	0	30	122	64	17	0	6	239	1	0	1	4	6	0	0	0	0	245
Portugis <i>Portuguese</i>	0	0	0	0	0	2	64	0	66	0	0	0	0	0	0	0	0	0	66
Thai <i>Thais</i>	1,690	932	0	0	0	0	1	0	2,623	825	1,549	789	433	3,596	0	0	0	0	6,219
Indonesia <i>Indonesians</i>	0	0	0	0	0	1	114	0	115	0	0	0	0	0	0	0	0	0	115
Lain-Lain <i>Others</i>	0	0	2	0	0	1	0	0	3	0	0	6	1	7	1	3,554	223	3,778	3,788
Jumlah Besar <i>Grand Total</i>	4,317	6,281	2,809	8,225	5,693	253	1,099	3,705	32,382	3,949	9,165	4,110	4,281	21,505	7,545	18,410	436	26,391	80,278

Nota: Bumiputera Termasuk Orang Melayu dan Kumpulan Bumiputera Lain.
Note: Bumiputeras including Malay and Other Indigenous Groups.

MALAYSIA
BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL-VESEL BERLESEN MENGIKUT KUMPULAN PERKAKAS DAN NEGERI, 1993
NUMBER OF FISHERMEN WORKING IN LICENSED VESSELS BY GEAR GROUP AND STATE, 1993

JADUAL (TABLE) 1.2

Negeri State	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Kelantan	Terengganu	Pahang	Johor Timur East Johore	Jumlah Kecil Sub- Total	Sarawak	Sabah	W.P. Labuan Federal Territory	Jumlah Kecil Sub- Total	Jumlah Besar Grand Total
Kumpulan Perkakas/ Gear Group																		
Pukat Tunda Trawl Nets	778	1,915	245	3,084	2,120	0	0	699	682	1,091	1,341	1,391	13,346	2,595	4,573	28	7,196	20,542
Pukat Tarik/Seine Nets:																		
Pukat Jerut Ikan Purse Seine-Fish	2,749	286	286	468	141	0	0	0	1,594	3,688	1,361	1,208	11,781	318	1,596	121	2,035	13,816
Pukat Jerut Bilis Purse Seine-Anchovy	0	1,597	0	147	0	0	0	0	36	322	202	0	2,304	0	88	0	88	2,392
Lain-Lain Other Seines	1	65	412	1,203	20	2	7	14	75	46	1	4	1,850	0	199	0	199	2,049
Pukat Hanyut Gill/Drift Nets	737	2,249	1,707	2,559	2,645	209	990	2,594	994	1,214	432	1,290	17,620	3,474	5,603	104	9,181	26,801
Pukat Tangguk Lift Nets	8	38	0	0	0	0	0	1	65	143	67	10	332	0	877	0	877	1,209
Perangkap/Traps:																		
Belat-Belat Stationary	0	2	1	0	1	0	4	45	0	0	0	9	62	42	286	22	350	412
Bubu Portable	0	4	17	116	6	22	0	101	51	449	267	51	1,084	15	250	7	272	1,356
Pancing Hooks & Lines	28	30	52	218	131	11	90	66	452	2,139	414	288	3,919	231	3,242	126	3,599	7,518
Pukat Bakul Bag Nets	0	36	77	102	353	0	0	100	0	0	0	9	677	555	0	0	555	1,232
Pukat Surung Push/Scoop Nets	0	0	2	1	0	0	0	15	0	0	0	0	18	213	0	28	241	259
Pukat Rentang Barrier Nets	0	25	0	0	55	0	8	44	0	0	0	1	133	102	110	0	212	345
Memungut Siput Shellfish Collection	0	0	0	157	9	0	0	26	0	0	0	0	192	0	213	0	213	405
Pembawa Ikan Fish Carriers	0	30	0	54	186	0	0	0	0	73	12	2	357	0	0	0	0	357
Rampaian Miscellaneous	16	4	10	116	26	9	0	0	0	0	13	18	212	0	1,373	0	1,373	1,585
Jumlah/Total	4,317	6,281	2,809	8,225	5,693	253	1,099	3,705	3,949	9,165	4,110	4,281	53,887	7,545	18,410	436	26,391	80,278

JADUAL (TABLE) 1.3

MALAYSIA
BILANGAN NELAYAN YANG BEKERJA DIATAS VESEL YANG DILESENKAN
MENGIKUT DAERAH-DAERAH PERIKANAN, 1993
NUMBER OF FISHERMEN WORKING IN LICENSED FISHING VESSELS
BY FISHERIES DISTRICTS, 1993

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>
SEMANANJUNG MALAYSIA <i>PENINSULAR MALAYSIA</i>					
1) Kuala Perlis	2,439	188	0	1,690	4,317
2) Langkawi	844	10	0	845	1,699
3) Kedah Utara	2,021	603	0	3	2,627
4) Kedah Selatan	1,780	91	0	84	1,955
5) Timur Laut/P.Pinang	171	276	12	2	461
6) Barat Daya/P.Pinang	226	511	3	0	740
7) Seberang Prai Utara	325	158	2	0	485
8) Seberang Prai Tengah	100	50	0	0	150
9) Seberang Prai Selatan	237	723	13	0	973
10) Krian	336	1,758	9	0	2,103
11) Larut & Matang	177	1,775	2	0	1,954
12) Manjong	669	1,784	107	0	2,560
13) Hilir Perak	133	1,471	4	0	1,608
14) Selangor Utara	155	1,766	3	0	1,924
15) Selangor Tengah	150	1,024	5	0	1,179
16) Pelabuhan Klang I	3	1,184	0	0	1,187
17) Pelabuhan Klang II	145	655	5	0	805
18) Selangor Selatan	181	366	51	0	598
19) Port Dickson	72	160	17	4	253
20) Melaka	682	238	0	179	1,099
21) Muar	502	315	2	0	819
22) Batu Pahat	313	457	2	0	772
23) Pontian	479	787	1	0	1,267
24) Johor Bahru	683	163	1	0	847
25) Pengerang (Kota Tinggi)	393	299	1	0	693
26) Sedeli	706	317	3	312	1,338
27) Mersing	1,413	715	0	122	2,250
28) Kuantan	1,230	294	1	789	2,314
29) Pekan	889	57	0	6	952
30) Kuala Rompin	609	235	0	0	844
31) Kemaman	1,392	3	0	82	1,477
32) Dungun	1,101	2	0	28	1,131
33) Marang	992	0	0	49	1,041
34) Kuala Terengganu Utara	837	4	0	8	849
35) Kuala Terengganu Selatan	1,434	10	0	347	1,791
36) Besut	1,506	0	0	1,035	2,541
37) Setiu	320	15	0	0	335
38) Kota Bharu	1,251	0	0	416	1,667
39) Bachok & Pasir Putih	944	0	1	373	1,318
40) Tumpat	926	2	0	36	964
Jumlah Kecil <i>Sub-Total</i>	28,766	18,466	245	6,410	53,887

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

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>
SARAWAK					
1) B. Kuching	1,126	361	0	0	1,487
2) Santubong	242	28	0	0	270
3) Pendam (Sadong Jaya)	296	13	0	1	310
4) Sematan	104	12	0	0	116
5) Batang Lupar	507	14	0	0	521
6) Saribas/Kalaka	393	14	0	0	407
7) Sibu/Igan	483	238	0	0	721
8) Sarikei/Bitangor	224	100	0	0	324
9) Mukah/Oya	951	14	0	0	965
10) Belawai	380	16	0	0	396
11) Matu Daro	341	30	0	0	371
12) Bintulu	532	86	0	0	618
13) Miri	616	105	0	0	721
14) Limbang	49	0	0	0	49
15) Lawas	269	0	0	0	269
Jumlah Kecil/Sub-Total	6,513	1,031	0	1	7,545
SABAH					
1) Tawau	1,131	6	0	151	1,288
2) Semporna	960	0	0	1,047	2,007
3) Kunak	167	47	0	284	498
4) Lahad Datu	376	0	0	147	523
5) Sandakan	2,147	8	0	1,400	3,555
6) Baluran	1,268	0	0	5	1,273
7) Kudat	1,804	2	0	48	1,854
8) Kota Marudu	1,618	0	0	30	1,648
9) Kota Belut	1,114	0	0	2	1,116
10) Tuaran	543	0	0	0	543
11) Kota Kinablu	1,365	12	0	148	1,525
12) Papar	636	5	0	58	699
13) Beaufort	721	4	0	2	727
14) Kuala Penyu	632	37	0	232	901
15) Sipitang	253	0	0	0	253
Jumlah Kecil/Sub-Total	14,735	121	0	3,554	18,410
W.P. LABUAN/LABUAN F.T.					
1) Kg. Bebuloh	61	7	0	0	68
2) Kg. Ranca-Ranca	18	0	0	0	18
3) Kg. Lubok Temiang	14	0	0	2	16
4) Kg. Batu Manikar	7	0	0	0	7
5) Kg. Tg. Aru	6	0	0	0	6
6) Kg. Miri/Lada/Pagar	15	0	0	0	15
7) Kg. Patau-Patau	42	0	0	25	67
8) Lain-Lain Kampong	31	12	0	196	239
Jumlah Kecil/Sub-Total	194	19	0	223	436
Jumlah Besar/Grand Total	50,208	19,637	245	10,188	80,278

Nota: Bumiputera Termasuk Orang Melayu dan Kumpulan Bumiputera Lain.
Note: Bumiputeras including Malay and Other Indigenous Groups.

MALAYSIA
BILANGAN NELAYAN ASING YANG DILULUSKAN MENGIKUT NEGERI, 1993
NUMBER OF APPROVED FOREIGN FISHERMEN BY STATE, 1993

JADUAL (TABLE) 1.4

Negeri State Keturunan/ Ethnic Group	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	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore		Kelantan	Terengganu	Pahang	Johor Timur East Johore		Sarawak	Sabah	W.P. Labuan	
Thai Thais	769	794	0	0	0	0	0	0	1,563	728	1,366	563	403	3,060	0	0	24	4,647
Indonesia Indonesians	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	4
Lain-Lain Others	0	0	0	0	0	0	0	0	0	0	0	8	0	8	0	0	0	8
Jumlah Besar Grand Total	769	794	0	0	0	0	0	0	1,563	728	1,366	575	403	3,072	0	0	24	4,659

Nota: Bilangan yang diluluskan tidak semestinya menggambarkan bilangan nelayan yang bekerja diatas vesel berlesen.

Note: The approval given does not necessarily reflect the actual number of fishermen working in licensed vessels.

JADUAL (TABLE) 2.1

MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KELAS MUATAN, 1993
NUMBER OF LICENSED FISHING VESSELS BY STATE AND TONNAGE CLASS, 1993

Jenis Type Negeri State	Jumlah Total	Vesel Tidak Berjentera Non- Powered	Vesel Berjentera Sangkut Outboard- Powered	Vesel Berjentera Dalam/Inboard-Powered								
				Jumlah Kecil Sub-Total	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 (& Above)
Pantai Barat/West Coast:												
Perlis	691	0	102	589	117	121	44	66	49	103	57	32
Kedah	1,770	6	561	1,203	366	246	58	68	69	200	128	68
Pulau Pinang/Penang	1,683	29	916	738	171	431	1	4	3	82	40	6
Perak	4,131	102	642	3,387	706	1,256	385	452	93	135	281	79
Selangor	2,627	102	270	2,255	81	1,316	253	224	79	173	124	5
Negeri Sembilan	132	3	82	47	5	39	3	0	0	0	0	0
Melaka/Malacca	723	19	494	210	15	194	1	0	0	0	0	0
Johor Barat/West Johore	2,549	146	1,389	1,014	162	537	82	179	45	9	0	0
<i>Jumlah/Total</i>	14,306	407	4,456	9,443	1,623	4,140	827	993	338	702	630	190
Pantai Timur/East Coast:												
Kelantan	1,034	1	195	838	335	128	154	92	19	49	37	24
Terengganu	2,270	14	44	2,212	356	690	470	354	108	106	69	59
Pahang	1,035	7	80	948	77	318	175	41	30	84	109	114
Johor Timur/East Johore	1,375	34	431	910	105	263	135	34	8	123	173	69
<i>Jumlah/Total</i>	5,714	56	750	4,908	873	1,399	934	521	165	362	388	266
Malaysia:												
Semenanjung Malaysia/ Peninsular Malaysia	20,020	463	5,206	14,351	2,496	5,539	1,761	1,514	503	1,064	1,018	456
Sarawak	2,941	9	748	2,184	473	660	417	128	126	112	132	136
Sabah	8,485	1,756	4,336	2,393	443	767	470	250	193	213	47	10
W. Persekutuan Labuan/ Labuan, F.Territory	129	1	111	17	0	1	0	0	0	1	5	10
<i>Jumlah/Total</i>	31,575	2,229	10,401	18,945	3,412	6,967	2,648	1,892	822	1,390	1,202	612

Nota/Note: GRT - Gross Relative Tonnage

MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT NEGERI DAN KUASA KUDA, 1993
NUMBER OF LICENSED FISHING VESSELS BY STATE AND HORSEPOWER, 1993

Negeri/ State Kuasa Kuda/ Horsepower Of Engine	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	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	24	1	12	4	0	9	10	61	37	48	6	2	93	33	53	0	86	240
5 - 9 k.k. (h.p.)	22	108	14	57	6	0	17	69	293	250	135	17	10	412	389	150	0	539	1,244
10 - 19 "	101	252	100	235	176	12	111	161	1,148	104	465	131	163	863	620	166	1	787	2,798
20 - 39 "	127	205	122	361	956	27	72	325	2,195	274	934	422	272	1,902	610	164	0	774	4,871
40 - 59 "	51	62	242	1,705	26	3	0	58	2,147	17	156	18	22	213	118	606	0	724	3,084
60 - 99 "	22	30	126	283	49	5	0	122	637	15	195	18	38	266	147	258	2	407	1,310
100 - 149 "	37	70	4	62	318	0	0	80	571	29	83	17	35	164	54	294	0	348	1,083
150 - 249 "	172	251	94	257	363	0	0	151	1,288	54	90	57	94	295	118	552	4	674	2,257
250 k.k. ke atas (250 h.p. & above)	56	201	35	415	357	0	1	38	1,103	58	106	262	274	700	95	150	10	255	2,058
Jumlah Kecil Sub-Total	589	1,203	738	3,387	2,255	47	210	1,014	9,443	838	2,212	948	910	4,908	2,184	2,393	17	4,594	18,945
Enjin Sangkut/ Outboard-Powered																			
Kurang dari 5 k.k. (Under 5 h.p.)	16	99	278	313	43	13	55	412	1,229	114	18	28	96	256	52	235	0	287	1,772
5 - 9 k.k. (h.p.)	85	409	269	176	122	24	205	568	1,858	79	13	45	183	320	201	454	11	666	2,844
10 - 19 "	0	44	195	85	55	31	174	248	832	1	9	6	79	95	57	1,654	21	1,732	2,659
20 - 39 "	1	7	168	67	48	13	58	127	489	1	3	1	61	66	168	1,598	31	1,797	2,352
40 - 59 "	0	2	6	1	2	1	2	34	48	0	1	0	12	13	209	293	34	536	597
60 - 99 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	102	12	175	175
100 - 149 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2
150 - 249 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	102	561	916	642	270	82	494	1,389	4,456	195	44	80	431	750	748	4,336	111	5,195	10,401
Jumlah Besar Grand Total	691	1,764	1,654	4,029	2,525	129	704	2,403	13,899	1,033	2,256	1,028	1,341	5,658	2,932	6,729	128	9,789	29,346

MALAYSIA
BILANGAN VESEL MENANGKAP IKAN BERLESEN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN KELAS MUATAN, 1993
NUMBER OF LICENSED FISHING VESSELS BY GEAR GROUP, TYPE AND TONNAGE CLASS, 1993

JADUAL (TABLE) 2.3

Jenis Dan Kelas Muatan/ Type And Tonnage Class Kumpulan Perkakas/ Gear Group	Jumlah Besar Grand Total	Tiada Berjentera Non- Powered	Berjentera Sangkut Out-Board Powered	Jumlah Kecil Sub- Total	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
Pukat Tunda/Trawl Nets	6,304	0	1	4,151	19	171	681	1,034	374	899	726	247	587	1,560	5
Pukat Tarik/Seine Nets:															
Pukat Jerut Ikan Purse Seine-Fish	844	0	0	625	0	6	20	43	28	117	269	142	26	183	10
Pukat Jerut Bilis Purse Seine-Anchovy	146	0	0	141	0	9	34	19	5	3	16	55	0	5	0
Lain-Lain/Other Seines	940	22	154	698	150	534	8	3	2	1	0	0	0	66	0
Pukat Hanyut Gill/Drift Nets	16,132	251	4,375	6,075	1,670	3,684	519	148	32	19	1	2	1,797	3,584	50
Pukat Tangguk/Lift Nets	481	0	26	98	16	41	34	6	1	0	0	0	0	348	9
Perangkap/Traps:															
Belat-Belat (Stationary)	279	2	40	5	2	3	0	0	0	0	0	0	16	206	10
Bubu (Portable)	611	8	78	355	24	134	111	52	26	8	0	0	2	164	4
Pancing/Hooks & Lines	3,588	29	286	1,618	345	690	333	208	32	8	1	1	68	1,546	41
Pukat Bakul/Bag Nets	758	13	72	335	151	182	1	0	0	0	0	1	338	0	0
Pukat Surung Push/Scoop Nets	44	2	16	0	0	0	0	0	0	0	0	0	26	0	0
Pukat Rentang Barrier Nets	211	8	39	20	1	16	3	0	0	0	0	0	81	63	0
Memungut Siput Shellfish Collection	351	11	26	126	102	24	0	0	0	0	0	0	0	188	0
Pembawa Ikan Fish Carriers	174	89	14	71	11	29	15	0	2	5	2	7	0	0	0
Rampaian/Miscellaneous	712	28	79	33	5	16	2	1	1	4	3	1	0	572	0
Jumlah/Total	31,575	463	5,206	14,351	2,496	5,539	1,761	1,514	503	1,064	1,018	456	2,941	8,485	129

Nota/Note: GRT - Gross Relative Tonnage

JADUAL (TABLE) 2.4

MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN MENGIKUT
DAERAH-DAERAH PERIKANAN, 1993
NUMBER OF LICENSED FISHING VESSELS BY FISHERIES DISTRICTS, 1993

Daerah-Daearh Perikaman <i>Fisheries Districts</i>	Vesel-Vesel Menangkap Ikan (Fishing Vessels)			
	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non-Powered</i>	Jumlah <i>Total</i>
SEMENANJUNG MALAYSIA <i>PENINSULAR MALAYSIA</i>				
1) Kuala Perlis	589	102	0	691
2) Langkawi	210	188	1	399
3) Kedah Utara	718	92	1	811
4) Kedah Selatan	275	281	4	560
5) Timur Laut/P.Pinang	72	203	4	279
6) Barat Daya/P.Pinang	183	387	5	575
7) Seberang Prai Utara	192	106	12	310
8) Seberang Prai Tengah	15	111	5	131
9) Seberang Prai Selatan	276	109	3	388
10) Krian	1,033	190	37	1,260
11) Larut & Matang	972	99	15	1,086
12) Manjong	780	264	35	1,079
13) Hilir Perak	602	89	15	706
14) Selangor Utara	677	35	1	713
15) Selangor Tengah	595	22	14	631
16) Pelabuhan Klang I	514	3	0	517
17) Pelabuhan Klang II	239	121	84	444
18) Selangor Selatan	230	89	3	322
19) Port Dickson	47	82	3	132
20) Melaka	210	494	19	723
21) Muar	211	243	49	503
22) Batu Pahat	323	127	19	469
23) Pontian	470	277	16	763
24) Johor Bahru	10	742	62	814
25) Pengerang (Kota Tinggi)	112	412	33	557
26) Sedeli	286	15	1	302
27) Mersing	512	4	0	516
28) Kuantan	424	30	6	460
29) Pekan	340	36	1	377
30) Kuala Rompin	184	14	0	198
31) Kemaman	466	5	4	475
32) Dungun	352	2	3	357
33) Marang	240	3	2	245
34) Kuala Terengganu Utara	288	31	3	322
35) Kuala Terengganu Selatan	379	3	1	383
36) Besut	370	0	0	370
37) Setiu	117	0	1	118
38) Kota Bharu	197	114	1	312
39) Bachok & Pasir Putih	329	27	0	356
40) Tumpat	312	54	0	366
Jumlah Kecil <i>Sub-Total</i>	14,351	5,206	463	20,020

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

Daerah-Daerah Perikanan <i>Fisheries Districts</i>	Vesel-Vesel Menangkap Ikan (Fishing Vessels)			
	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera <i>Non-Powered</i>	Jumlah Total
SARAWAK				
1) B. Kuching	310	2	2	314
2) Santubong	120	15	1	136
3) Pendam (Sadong Jaya)	185	41	0	226
4) Sematan	26	31	0	57
5) Batang Lupar	267	34	0	301
6) Saribas/Kalaka	280	8	1	289
7) Sibuligan	151	23	1	175
8) Sarikei/Bitangor	99	20	0	119
9) Mukah/Oya	150	127	0	277
10) Belawai	170	22	0	192
11) Matu Daro	182	53	3	238
12) Bintulu	109	58	0	167
13) Miri	135	129	1	265
14) Limbang	0	49	0	49
15) Lawas	0	136	0	136
Jumlah Kecil/Sub-Total	2,184	748	9	2,941
SABAH				
1) Tawau	149	282	324	755
2) Semporna	141	358	7	506
3) Kunak	40	62	12	114
4) Lahad Datu	100	119	156	375
5) Sandakan	887	233	367	1,487
6) Baluran	270	395	113	778
7) Kudat	371	256	138	765
8) Kota Marudu	99	407	145	651
9) Kota Belut	80	293	276	649
10) Tuaran	0	168	0	168
11) Kota Kinablu	206	413	13	632
12) Papar	0	296	11	307
13) Beaufort	17	658	0	675
14) Kuala Penyu	33	203	183	419
15) Sipitang	0	193	11	204
Jumlah Kecil/Sub-Total	2,393	4,336	1,756	8,485
WIL. PER. LABUAN/LABUAN F.T.				
1) Kg. Bebuloh	0	33	1	34
2) Kg. Ranca-Ranca	0	9	0	9
3) Kg. Lubok Temiang	0	7	0	7
4) Kg. Batu Manikar	0	3	0	3
5) Kg. Tg. Aru	0	4	0	4
6) Kg. Miri/Lada/Pagar	0	7	0	7
7) Kg. Patau-Patau	0	26	0	26
8) Lain-Lain Kampong	17	22	0	39
Jumlah Kecil/Sub-Total	17	111	1	129
Jumlah Besar/Grand Total	18,945	10,401	2,229	31,575

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN DAN BILANGAN
NELAYAN YANG BEKERJA DI VESEL-VESEL BERLESEN, 1973 - 1993
NUMBER OF FISHING VESSELS LICENSED AND NUMBER OF FISHERMEN
OPERATING LICENSED VESSELS, 1973 - 1993

JADUAL (TABLE) 2.5

Bilangan Vessel Menangkap Ikan Yang Dilesenkan <i>Number Of Fishing Vessels Licensed</i>					Bilangan Nelayan <i>Number of Fishermen</i>				
Tahun <i>Year</i>	Berjentera Dalam <i>Inboard</i>	Berjentera Sangkut <i>Outboard</i>	Tidak Berjentera Non- Powered	Jumlah <i>Total</i>	Melayu <i>Malays</i>	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-Lain <i>Others</i>	Jumlah <i>Total</i>
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
1992	14,999	6,223	632	21,854	35,279	21,094	440	3,597	60,410
1993	14,351	5,206	463	20,020	28,607	18,466	245	6,569	53,887

MALAYSIA
BILANGAN PERKAKAS YANG DILESENKAN MENGIKUT NEGERI, 1993
NUMBER OF LICENSED FISHING GEARS BY STATE, 1993

JADUAL (TABLE) 3.1

Kumpulan Perkakas Gear Group	Pukat Tunda	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 Miscell- aneous	Jumlah Total
Negeri State	Trawl Nets	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	209	111	0	1	353	3	0	0	9	0	0	0	0	5	691
Kedah	506	16	53	26	1,088	21	1	1	14	28	12	0	0	4	1,770
Pulau Pinang/Penang	97	32	0	132	1,299	0	1	7	48	58	0	2	0	7	1,683
Perak	1,291	60	14	628	1,613	0	0	45	139	96	0	1	131	113	4,131
Selangor	765	16	0	8	1,452	0	1	3	76	174	18	0	6	108	2,627
Negeri Sembilan	0	0	0	2	114	0	0	7	6	0	0	0	0	3	132
Melaka/Malacca	0	0	0	6	652	0	2	0	59	0	4	0	0	0	723
Johor Barat/West Johore	287	0	0	11	1,947	1	36	83	55	56	32	15	26	0	2,549
Jumlah Kecil/Sub-Total	3,155	235	67	814	8,518	25	41	146	406	412	66	18	163	240	14,306
Pantai Timur/East Coast:															
Kelantan	92	45	8	43	608	31	0	10	197	0	0	0	0	0	1,034
Terengganu	264	196	49	15	491	44	0	150	1,007	0	0	0	0	54	2,270
Pahang	332	77	17	1	257	22	0	114	197	0	0	0	0	18	1,035
Johor Timur/East Johore	309	72	0	1	827	2	6	21	126	8	1	0	0	2	1,375
Jumlah Kecil/Sub-Total	997	390	74	60	2,183	99	6	295	1,527	8	1	0	0	74	5,714
Sarawak	587	26	0	3	1,967	0	29	2	183	383	109	38	1	0	3,328
Sabah	1,005	104	0	0	966	138	70	45	476	0	0	0	0	344	3,148
W.P. Labuan	5	10	0	0	50	9	10	4	41	0	0	0	0	0	129
Jumlah Kecil/Sub-Total	1,597	140	0	3	2,983	147	109	51	700	383	109	38	1	344	6,605
Jumlah Besar/Grand Total	5,749	765	141	877	13,684	271	156	492	2,633	803	176	56	164	658	26,625

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 ANGGARAN BILANGAN KUMULATIF PERKAKAS YANG DIUSAHAKAN MENGIKUT NEGERI, 1993
 ESTIMATED CUMULATIVE NUMBER OF FISHING GEARS IN OPERATION BY STATE, 1993

JADUAL (TABLE) 3.2

Kumpulan Perkakas <i>Gear Group</i>	Pukat Tunda	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 Hooks & Lines	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>Miscell- aneous</i>	Jumlah Total
Negeri State	Trawl Nets	Pukat Jerut Ikan <i>Purse Seine- Fish</i>	Pukat Jerut Bilis <i>Purse Seine- Anchovy</i>	Lain-Lain <i>Other Seines</i>			Belat-Belat <i>Stationary</i>	Bubu <i>Portable</i>							
Pantai Barat/West Coast:															
Perlis	3,748	1,404	0	0	5,490	0	0	0	0	0	0	138	176	618	11,574
Kedah	9,214	110	713	1,044	28,159	0	24	56	1,712	2,340	354	234	246	1,335	45,541
Pulau Pinang/Penang	1,223	265	0	1,380	18,942	0	0	96	1,052	839	1,021	348	55	162	25,383
Perak	18,973	541	154	5,273	19,647	0	0	867	2,149	1,710	1,266	3,035	248	3,057	56,920
Selangor	10,061	133	0	247	18,884	0	114	660	2,505	2,714	400	942	0	771	37,431
Negeri Sembilan	0	0	0	36	2,043	0	0	96	182	0	0	0	0	50	2,407
Melaka/Malacca	0	0	0	60	7,884	0	24	24	1,284	0	48	2,964	53	62	12,403
Johor Barat/West Johore	4,054	0	0	16	21,730	0	158	184	120	434	87	136	0	1,627	28,546
<i>Jumlah Kecil/Sub-Total</i>	47,273	2,453	867	8,056	122,779	0	320	1,983	9,004	8,037	3,176	7,797	778	7,682	220,205
Pantai Timur/East Coast:															
Kelantan	1,678	434	82	0	3,434	387	870	69	1,191	0	0	0	0	875	9,020
Terengganu	3,255	2,221	337	15	1,526	604	0	2,817	8,144	0	0	0	0	0	18,919
Pahang	5,192	551	126	0	4,530	231	0	1,091	2,071	0	0	0	0	0	13,792
Johor Timur/East Johore	4,705	607	0	0	3,794	18	230	126	1,536	862	0	0	0	737	12,615
<i>Jumlah Kecil/Sub-Total</i>	14,830	3,813	545	15	13,284	1,240	1,100	4,103	12,942	862	0	0	0	1,612	54,346
Jumlah Besar/Grand Total	62,103	6,266	1,412	8,071	136,063	1,240	1,420	6,086	21,946	8,899	3,176	7,797	778	9,294	274,551

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS, 1993
LANDINGS OF MARINE FISH BY STATE AND GEAR GROUP, 1993

JADUAL (TABLE) 4.1

Kumpulan Perkakas <i>Gear Group</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 & 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>Miscell- aneous</i>	Jumlah Tan M. <i>Total Tonnes</i>
		Pukat Jerut Ikan <i>Purse Seine- Fish</i>	Pukat Jerut Bilis <i>Purse Seine- Anchovy</i>	Lain-Lain <i>Other Seines</i>			Belat-Belat <i>Stationary</i>	Bubu <i>Portable</i>							
Pantai Barat/West Coast:															
Perlis	15,020	19,236	0	0	2,988	0	0	0	0	0	0	24	8,902	59	46,229
Kedah	38,014	4,443	10,531	342	8,962	0	65	47	157	894	96	51	9,092	39	72,733
Pulau Pinang/Penang	19,912	4,523	0	2,519	5,284	0	0	4	158	1,013	180	140	10	25	33,768
Perak	123,476	7,810	1,970	14,916	21,825	0	0	1,243	584	3,006	697	3,463	78	338	179,406
Selangor Darul Ehsan	64,663	2,892	0	118	4,824	0	463	79	1,378	13,376	953	486	321	124	89,677
Negeri Sembilan	0	0	0	5	474	0	0	56	74	0	0	0	0	4	613
Melaka/Malacca	0	0	0	8	1,305	0	28	10	362	0	6	252	21	4	1,996
Johor Barat/West Johore	9,258	0	0	1	5,510	0	84	86	78	7,026	8	3	0	39	22,093
Jumlah/Total:	270,343	38,904	12,501	17,909	51,172	0	640	1,525	2,791	25,315	1,940	4,419	18,424	632	446,515
Pantai Timur/East Coast:															
Kelantan	17,807	12,131	616	0	3,155	2,681	92	52	1,672	0	0	0	0	56	38,262
Terengganu	27,514	60,766	5,902	247	2,284	4,438	0	4,364	7,777	0	0	0	0	0	113,292
Pahang Darul Makmur	97,558	12,995	2,202	0	3,201	3,202	0	2,656	4,853	0	0	0	0	0	126,667
Johor Timur/East Johore	52,031	8,592	0	0	856	20	31	110	2,229	2,990	0	0	0	23	66,882
Jumlah/Total:	194,910	94,484	8,720	247	9,496	10,341	123	7,182	16,531	2,990	0	0	0	79	345,103
Malaysia:															
Semenanjung Malaysia/ Peninsular Malaysia	465,253	133,388	21,221	18,156	60,668	10,341	763	8,707	19,322	28,305	1,940	4,419	18,424	711	791,618
Sarawak	48,309	2,898	0	0	16,075	0	369	173	2,211	4,565	1,865	5,322	119	18	81,924
Sabah	39,272	20,559	2,782	2,183	37,153	19,997	1,603	883	21,064	0	19	0	3,454	5,698	154,667
W.Persekutuan Labuan/ Labuan, Federal Territory	9,108	3,424	0	21	3,619	924	376	113	1,556	0	0	0	0	0	19,141
Jumlah Tan M./Total Tonnes	561,942	160,269	24,003	20,360	117,515	31,262	3,111	9,876	44,153	32,870	3,824	9,741	21,997	6,427	1,047,350

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 1993
LANDINGS OF MARINE FISH BY MONTH AND STATE, 1993
(Kuantiti Dalam Tan Metrik/Quantity In Tonnes)

JADUAL (TABLE) 4.2

Bulan/Month <i>Negeri/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 Tan M. <i>Total Tonnes</i>
Pantai Barat/West Coast:													
Perlis	2,199	4,584	4,121	3,237	3,210	3,222	6,047	4,436	3,434	3,784	4,161	3,794	46,229
Kedah	5,899	5,511	5,316	5,603	5,788	5,545	5,805	6,191	4,953	7,968	7,380	6,774	72,733
Pulau Pinang/Penang	2,271	2,247	3,358	3,648	2,692	2,605	2,933	3,138	2,800	2,806	2,603	2,667	33,768
Perak	14,455	16,558	14,241	16,763	16,486	14,349	15,135	13,543	14,802	14,193	15,423	13,458	179,406
Selangor Darul Ehsan	6,680	7,687	7,772	8,846	8,255	7,614	7,079	8,415	7,216	6,942	6,982	6,189	89,677
Negeri Sembilan	37	46	43	47	56	63	55	58	59	53	50	46	613
Melaka	133	126	133	176	189	178	196	188	189	203	166	119	1,996
Johor Barat/West Johore	1,243	1,157	1,312	1,406	1,227	1,590	2,114	2,966	2,199	2,197	2,079	2,603	22,093
Jumlah Kecil/Sub-Total	32,917	37,916	36,296	39,726	37,903	35,166	39,364	38,935	35,652	38,146	38,844	35,650	446,515
Pantai Timur/East Coast:													
Kelantan	1,392	2,069	2,150	3,025	2,558	2,677	4,945	5,333	6,477	4,219	2,281	1,136	38,262
Terengganu	9,776	10,527	6,183	9,336	9,508	6,322	8,397	12,648	12,944	14,052	9,042	4,557	113,292
Pahang Darul Makmur	13,725	7,772	7,506	8,524	8,701	9,442	10,714	15,081	14,368	12,898	11,381	6,555	126,667
Johor Timur/East Johore	5,621	4,011	3,855	4,179	5,183	5,019	5,558	7,364	7,977	6,938	6,543	4,634	66,882
Jumlah Kecil/Sub-Total	30,514	24,379	19,694	25,064	25,950	23,460	29,614	40,426	41,766	38,107	29,247	16,882	345,103
Malaysia:													
Semenanjung Malaysia/Pen. Malaysia	63,431	62,295	55,990	64,790	63,853	58,626	68,978	79,361	77,418	76,253	68,091	52,532	791,618
Sarawak	4,850	8,218	9,479	8,761	8,426	6,827	6,385	6,780	6,516	6,080	7,100	2,502	81,924
Sabah	11,230	12,280	12,077	13,601	15,712	10,418	10,637	11,534	14,310	13,579	14,008	15,281	154,667
W.Persekutuan Labuan/Labuan F.T.	1,333	1,272	2,058	2,287	2,042	1,675	1,313	1,124	1,536	1,619	1,498	1,384	19,141
Jumlah Besar (Tan Metrik) <i>Grand Total Tonnes</i>	80,844	84,065	79,604	89,439	90,033	77,546	87,313	98,799	99,780	97,531	90,697	71,699	1,047,350

SEMANAJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1993
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.3

Bulan/Month	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 M. <i>Total Tonnes</i>
Kumpulan Perkakas <i>Gear Group</i>													
Pukat-Pukat Tunda <i>Trawl Nets</i>	43,615	37,399	34,511	35,033	36,149	34,594	38,951	45,046	40,500	42,445	43,472	33,538	465,253
P.P. Tarik/Seine Nets: Pukat Jerut Ikan <i>P.Seine-Fish</i>	7,569	11,164	7,936	12,943	12,197	9,181	11,428	14,717	15,505	14,014	10,500	6,234	133,388
Pukat Jerut Bilis <i>P.Seine-Anchovy</i>	1,171	1,259	1,562	1,743	1,824	1,799	1,877	2,328	2,484	3,028	1,155	991	21,221
Lain-Lain <i>Other Seines</i>	1,310	1,320	1,490	1,767	1,616	1,399	1,475	1,233	1,607	1,589	1,779	1,571	18,156
Pukat-Pukat Hanyut <i>Drift/Gill Nets</i>	4,200	5,189	4,346	5,029	5,075	4,578	5,226	5,487	5,464	5,993	5,192	4,889	60,668
Pukat-Pukat Tangguk <i>Lift Nets</i>	271	801	563	1,026	710	857	952	1,322	1,943	1,598	239	59	10,341
Perangkap-Perangkap/Traps: Belat-Belat <i>(Stationary)</i>	31	49	70	93	75	87	72	77	62	50	41	56	763
Bubu <i>(Portable)</i>	264	477	1,053	1,040	943	429	694	870	882	1,040	775	240	8,707
Pancing <i>Hooks & Lines</i>	1,857	1,261	1,384	1,823	1,353	1,570	1,915	2,207	2,220	2,015	1,092	625	19,322
Pukat-Pukat Bakul <i>Bag Nets</i>	1,760	1,935	1,768	2,097	1,563	1,817	2,028	3,754	4,333	2,613	1,949	2,688	28,305
Pukat-Pukat Rentang <i>Barrier Nets</i>	171	200	128	154	156	143	152	152	164	191	158	171	1,940
Pukat-Pukat Surung <i>Push/Scoop Nets</i>	301	384	374	427	465	445	331	313	316	391	374	298	4,419
Memungut Siput <i>Shellfish Collection</i>	852	810	758	1,552	1,677	1,666	3,831	1,715	1,888	1,243	1,308	1,124	18,424
Rampaian <i>Miscellaneous</i>	59	47	47	63	50	61	46	140	50	43	57	48	711
Jumlah Tan M./Total Tonnes	63,431	62,295	55,990	64,790	63,853	58,626	68,978	79,361	77,418	76,253	68,091	52,532	791,618

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY STATE AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.4

ISSCAAP GROUP	Spesies Species		Pantai Barat West Coast							Jumlah Total	Pantai Timur East Coast				Jumlah Total	Sarawak	Sabah	W. P. Labuan	Jumlah Total	Jumlah Besar Grand- Total	
	NO.	Nama Tempatan Local Name	Perlis	Kedah	P.Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca		Johor Barat West Johore	Kelantan	Terengganu	Pahang							Johor Timur East Johore
06	24	Kebasi/Selangat	276	813	219	914	146	12	21	232	2,633	2	0	18	7	27	166	190	29	385	3,045
		Puput/B. Mata/Tirok	4	346	225	3,655	1,696	4	30	265	6,225	0	79	218	3	300	1,206	619	62	1,887	8,412
		Terubok	0	0	0	41	4	0	0	0	45	0	0	0	0	0	370	0	0	370	415
	25	Siakap	0	5	2	54	2	5	1	4	73	8	3	5	0	16	19	1,494	0	1,513	1,602
	31	Lidah	513	767	234	363	441	0	14	71	2,403	29	131	69	52	281	75	18	30	123	2,807
		Sebelah	6	62	44	178	38	0	0	4	332	36	216	170	159	581	165	430	213	808	1,721
	33	Bayan	0	0	3	0	0	0	0	0	3	0	21	29	14	64	0	14	0	14	81
		Biji Nangka	0	17	546	1,282	1	0	0	112	1,958	628	1,879	422	128	3,057	16	60	296	372	5,387
		Daun Baharu	0	0	0	6	23	10	10	18	67	3	46	33	42	124	32	119	250	401	592
		Delah/Pinang-Pinang	0	0	0	5	0	0	0	0	5	0	34	39	15	88	0	1,503	286	1,789	1,882
		Duri/Pulutan/Utik	193	230	1,458	1,424	473	34	97	376	4,285	190	1,134	970	2,306	4,600	2,517	2,885	249	5,651	14,536
		Dengkis/Debam	0	9	0	121	2	0	0	2	134	13	181	241	57	492	0	545	317	862	1,488
		Gelama/Tengkerong/Selampai	472	1,403	1,813	3,838	2,322	25	75	683	10,631	297	1,168	463	634	2,562	2,959	716	446	4,121	17,314
		Gerut-Gerut	14	65	53	164	142	7	23	33	501	37	93	18	32	180	14	244	318	576	1,257
		Jenahak	10	30	8	168	89	27	87	77	496	0	1	24	14	39	213	2,740	142	3,095	3,630
		Kaci	0	0	0	122	3	11	0	3	139	1	228	153	162	544	33	149	189	371	1,054
		Kerapu	168	533	91	1,207	105	17	19	26	2,166	49	733	514	214	1,510	307	3,532	361	4,200	7,876
		Kerisi	741	1,820	456	7,234	635	0	0	0	10,886	1,289	5,202	5,940	2,638	15,069	426	3,946	434	4,806	30,761
		Kerisi Bali	6	90	0	376	2	0	0	0	474	8	675	772	15	1,470	129	591	322	1,042	2,986
		Kikek	0	6	0	154	0	0	0	4	164	103	379	75	19	576	60	787	331	1,178	1,918
		Malong	84	103	166	163	575	7	23	514	1,635	5	35	117	9	166	947	214	1	1,162	2,963
		Merah	27	38	6	455	34	14	19	21	614	103	875	497	366	1,841	1,604	3,153	431	5,188	7,643
		Mengkerong/Conor/Ubi-Ubi	63	223	368	3,663	116	0	0	88	4,521	272	885	536	183	1,876	0	561	0	561	6,958
		Remong/Kunyit-Kunyit/Tanda	0	26	44	193	23	0	0	0	286	89	682	881	227	1,879	0	449	337	786	2,951
		Semilang	36	48	69	663	44	17	5	34	916	1	0	23	3	27	60	1,130	0	1,190	2,133
		Shrumbu/Lemah	0	0	0	1,202	0	0	0	0	1,202	0	3	0	0	3	350	134	93	577	1,782
		Puntong Damar/Bulus	158	102	25	770	106	5	12	0	1,178	87	211	399	88	785	0	13	0	13	1,976
		Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	3	0	3	105	399	320	51	875	0	0	77	77	955
	34	Alu-Alu/Kacang-Kacang	120	207	115	467	78	13	9	27	1,036	58	318	389	172	937	265	1,402	252	1,919	3,892
		Aruan Tasik	29	16	1	53	24	2	0	6	131	16	152	267	41	476	0	0	0	0	607
		Bawal	398	591	867	1,001	1,111	35	16	612	4,631	50	550	169	102	871	2,195	2,155	277	4,627	10,129
		Belanak/Kedera	63	110	259	709	311	10	2	17	1,481	43	0	8	3	54	27	1,477	59	1,563	3,098
		Cemin/Sagai/Cupak	25	31	0	95	26	8	3	56	244	68	518	614	321	1,521	638	11	647	1,296	3,061

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

	Cincaru	985	480	354	1,229	1,251	5	45	375	4,724	503	2,156	889	1,151	4,699	1,644	3,715	527	5,886	15,309
	Demudok/Rambai	3	99	65	415	175	0	0	14	771	89	407	353	160	1,009	137	3,459	246	3,842	5,622
	Kurau/Senangin/Senohong	37	71	142	560	241	19	51	151	1,272	28	0	55	10	93	426	2,272	19	2,717	4,082
	Pelata/Selar	1,338	468	527	840	578	0	30	63	3,844	1,049	6,672	1,588	1,498	10,807	1,595	3,801	476	5,872	20,523
	Selar Kuning/Lolong	792	346	86	1,490	163	0	3	66	2,946	2,734	10,790	8,617	2,987	25,128	246	782	354	1,382	29,456
	Selayang/Curut	6,057	516	1,611	2,292	23	0	8	0	10,507	7,792	28,551	2,878	3,389	42,610	190	11,094	321	11,605	64,722
	Pisang-Pisang	179	50	32	1	0	0	0	0	262	0	102	24	1	127	0	241	1	242	631
	Talang	3	137	121	90	30	27	63	108	579	1	26	45	51	123	312	1,196	99	1,607	2,309
35	Bilis/Bunga Air	0	10,516	0	2,234	16	0	0	36	12,802	1,482	4,818	1,902	28	8,230	1,916	1,816	21	3,753	24,785
	Parang-Parang	217	169	151	368	691	63	157	633	2,449	224	248	631	223	1,326	537	183	3	723	4,498
	Tamban	1,014	764	869	961	1,328	0	0	87	5,023	681	8,453	3,454	1,523	14,111	1,567	5,622	613	7,802	26,936
	Bulan-Bulan	0	0	0	7	0	0	0	0	7	0	9	5	0	14	38	40	0	78	99
36	Aya/Kayu/Tongkol	1,126	662	307	2,962	403	0	0	0	5,460	1,565	4,538	3,118	1,271	10,492	1,511	17,136	1,381	20,028	35,980
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	2	12	67	0	81	0	334	54	388	469
37	Kembong/Temenong/Pelaling	8,090	10,582	3,597	10,753	3,078	0	0	4	36,104	828	7,027	4,518	1,249	13,622	3,090	12,631	2,528	18,249	67,975
	Tenggiri	233	435	174	1,249	1,227	62	292	739	4,411	343	1,237	2,303	464	4,347	2,003	9,323	751	12,077	20,835
	Timah/Layar/Selayar	131	232	596	2,636	381	0	3	144	4,123	396	478	428	165	1,467	1,079	765	2	1,846	7,436
38	Pari	361	456	458	2,580	1,060	40	285	368	5,608	833	1,371	1,637	1,399	5,240	1,881	1,614	261	3,756	14,604
	Yu	17	54	76	303	175	4	53	12	694	51	450	584	400	1,485	1,679	2,112	324	4,115	6,294
39	Ikan Baja	8,107	20,495	11,269	69,168	44,279	0	0	3,522	156,840	13,400	10,037	59,470	30,173	113,080	16,562	8,513	1,383	26,458	296,378
	Ikan Campur	780	2,138	186	3,817	1,226	48	92	1,130	9,417	915	2,465	5,687	1,148	10,215	7,794	7,815	879	16,488	36,120
	Jebong	0	45	528	933	62	3	0	0	1,571	3	126	170	123	422	0	240	80	320	2,313
42	Kelom	774	359	456	984	748	35	4	343	3,703	84	254	384	480	1,202	521	3,566	135	4,222	9,127
45	Udang Karang/Lobok	0	0	7	11	9	0	0	0	27	9	311	372	166	858	23	94	116	233	1,118
	Udang Putih	253	389	668	2,579	671	38	145	732	5,475	126	140	260	156	682	2,456	8,055	314	10,825	16,982
	Udang Minyak	0	0	858	9,661	4,454	0	0	977	15,950	19	161	384	553	1,117	10	22	0	32	17,099
	Udang Merah Ros	86	193	108	207	2,463	0	0	591	3,648	0	293	565	339	1,197	3	984	0	987	5,832
	Udang Kulit Keras	30	0	216	1,633	1,429	0	0	119	3,427	53	83	234	51	421	2,339	282	0	2,621	6,469
	Udang Harimau	5	27	20	42	3	0	0	0	97	9	45	62	94	210	1	638	143	782	1,089
	Lain-Lain Jenis Udang	1,608	3,511	1,479	17,403	1,526	6	54	1,407	26,994	102	295	668	760	1,825	5,198	3,031	964	9,193	38,012
	Udang Baring	24	51	353	2,124	8,329	0	221	6,208	17,310	0	247	0	2,209	2,456	367	145	0	512	20,278
56	Siput/Kepah/Kupang/Tiram	8,902	9,092	10	78	321	0	21	0	18,424	11	0	0	0	11	121	3,684	0	3,805	22,240
57	Sotong Kereta	38	126	5	54	0	0	0	0	223	2	0	67	47	116	0	245	0	245	584
	Sotong Katak	463	492	236	3,225	1,759	0	0	108	6,283	215	1,033	3,280	3,040	7,568	145	951	370	1,466	15,317
	Sotong Biasa	1,170	2,087	1,105	5,777	1,696	0	0	206	12,041	1,123	3,626	7,575	3,497	15,821	1,679	2,754	327	4,760	32,622
76	Ubur-Ubur	0	0	26	0	1,310	0	0	665	2,001	0	0	0	0	10,061	4,231	0	14,292	16,293	
	Jumlah Tan M/Total Tonnes	46,229	72,733	33,768	179,406	89,677	613	1,996	22,093	446,515	38,262	113,292	126,667	66,882	345,103	81,924	154,667	19,141	255,732	1,047,350

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(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) Total (Tonnes)
	Nama Tempatan <i>Local Name</i>													
24	Kebasi/Selangat	195	279	235	182	225	209	184	200	221	297	534	284	3,045
	Puput/B. Mata/Tirok	594	736	653	710	630	687	656	703	751	896	693	703	8,412
	Terubok	9	6	36	43	27	49	39	66	62	39	21	18	415
25	Siakap	132	145	166	128	141	108	125	136	166	131	112	112	1,602
31	Lidah	188	265	321	233	167	174	207	227	177	211	360	277	2,807
33	Sebelah	161	162	156	142	125	150	128	141	137	144	146	129	1,721
	Bayan	10	11	10	7	2	3	4	8	10	10	2	4	81
	Biji Nangka	466	443	371	418	431	497	417	571	483	462	460	368	5,387
	Daun Baharu	33	26	59	43	66	49	39	54	61	71	54	37	592
	Delah/Pinang-Pinang	102	135	106	135	115	133	184	250	102	277	201	142	1,882
	Duri/Pulutan/Utik	2,628	903	940	1,150	1,178	1,043	1,115	1,222	1,176	1,168	1,086	927	14,536
	Dengkis/Debam	117	147	125	154	110	88	119	124	136	128	124	116	1,488
	Gelama/Tengkerong/Selampai	1,323	1,474	1,672	1,456	1,423	1,172	1,445	1,822	1,416	1,367	1,576	1,168	17,314
	Gerut-Gerut	89	94	87	85	141	88	82	87	218	94	107	85	1,257
	Jenahak	311	246	228	256	282	222	308	388	437	380	314	258	3,630
	Kaci	84	64	76	82	139	83	98	61	115	100	80	72	1,054
	Kerapu	564	557	565	771	810	671	726	721	758	697	551	485	7,876
	Kerisi	2,436	3,198	2,483	2,565	2,580	2,221	2,404	2,607	2,728	2,950	2,572	2,017	30,761
	Kerisi Bali	399	190	537	231	277	258	207	284	210	155	146	92	2,986
	Kikek	151	282	159	118	171	131	139	209	141	121	154	142	1,918
	Malong	252	269	418	268	290	210	191	196	162	198	293	216	2,963
	Merah	748	506	564	656	814	693	709	640	765	635	506	407	7,643
	Mengkerong/Conor/Ubi-Ubi	450	607	490	681	738	484	556	615	623	654	590	470	6,958
	Remong/Kunyit-Kunyit/Tanda	331	212	192	212	246	196	238	273	316	314	230	191	2,951
	Semilang	125	162	181	138	166	176	158	262	215	195	188	167	2,133
	Shrumbu/Lemah	53	71	86	100	125	245	329	270	140	128	158	77	1,782
	Puntong Damar/Bulus	279	168	130	146	193	138	149	172	154	144	175	128	1,976
	Pasir-Pasir/Timun-Timun	59	91	135	79	72	66	50	101	107	89	79	27	955
	Alu-Alu/Kacang-Kacang	348	328	309	323	330	313	345	378	348	284	302	284	3,892
34	Aruan Tasik	61	45	50	80	43	49	59	82	28	35	38	37	607
	Bawal	741	1,087	839	935	885	865	734	840	866	847	874	616	10,129
	Belanak/Kedera	270	233	221	265	262	222	216	233	306	308	332	230	3,098
	Cermin/Sagai/Cupak	246	182	218	406	395	225	311	250	230	250	215	133	3,061

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

	Cincaru	1,088	979	1,172	1,334	1,433	1,320	1,282	1,452	1,640	1,162	1,602	845	15,309
	Demudok/Rambai	315	392	451	570	564	513	405	437	502	495	462	516	5,622
	Kurau/Senangin/Senohong	278	299	252	289	361	300	344	348	372	436	334	469	4,082
	Pelata/Selar	1,255	1,326	1,559	2,110	1,801	1,462	1,521	2,005	2,246	2,113	1,669	1,456	20,523
	Selar Kuning/Lolong	2,307	2,799	1,844	2,478	2,295	1,949	2,367	3,094	3,433	3,312	2,116	1,462	29,456
	Selayang/Curut	4,415	5,380	3,861	5,188	4,562	3,740	5,424	7,232	7,208	7,540	6,221	3,951	64,722
	Pisang-Pisang	4	18	36	57	10	25	89	95	161	85	34	17	631
	Talang	172	146	193	264	202	194	177	196	172	234	129	230	2,309
35	Bilis/Bunga Air	1,287	1,341	1,666	1,904	2,127	2,163	2,233	2,545	3,324	3,225	1,658	1,312	24,785
	Parang-Parang	297	337	405	403	468	365	428	441	358	443	320	233	4,498
	Tamban	1,261	2,914	2,153	2,650	3,227	1,804	2,275	2,273	3,100	2,354	1,967	958	26,936
	Bulan-Bulan	3	11	28	7	6	4	3	2	8	9	11	7	99
36	Aya/Kayu/Tongkol	2,106	1,919	2,528	4,213	3,788	3,095	2,897	2,925	3,346	3,150	2,542	3,471	35,980
	Layaran/Mersuji	107	90	60	22	18	27	32	20	37	26	16	14	469
37	Kembong/Temenong/Pelaling	4,557	5,688	5,102	5,757	5,796	4,739	5,310	6,075	6,480	7,046	6,491	4,934	67,975
	Tenggiri	1,584	1,774	1,925	1,782	1,798	1,623	1,409	1,876	1,786	1,858	1,888	1,532	20,835
	Timah/Layor/Selayor	670	783	632	534	660	624	685	677	668	578	511	414	7,436
38	Pari	965	1,059	1,050	1,037	1,320	1,019	1,486	1,632	1,439	1,543	1,125	929	14,604
	Yu	345	458	497	567	544	505	560	509	673	660	461	515	6,294
39	Ikan Baja	24,184	20,940	20,959	23,285	23,976	22,806	25,551	29,662	27,962	28,731	27,686	20,636	296,378
	Ikan Campur	3,742	3,279	2,904	3,186	3,085	2,456	2,619	3,245	2,894	3,204	3,307	2,199	36,120
	Jebong	147	131	153	174	181	162	254	276	306	226	157	146	2,313
42	Ketam	746	703	719	724	687	641	679	864	756	857	923	828	9,127
45	Udang Karang/Lobok	141	83	77	70	75	71	83	106	109	109	112	82	1,118
	Udang Putih	2,190	1,582	1,529	1,471	1,283	1,273	1,258	1,245	1,348	1,151	1,313	1,339	16,982
	Udang Minyak	1373	1405	1767	1509	1720	1286	1195	1387	1331	1482	1313	1331	17,099
	Udang Merah Ros	682	662	516	445	363	448	511	366	420	342	500	577	5,832
	Udang Kulit Keras	585	608	495	538	587	411	563	579	524	532	481	566	6,469
	Udang Harimau	164	133	134	69	53	60	67	57	76	88	93	95	1,089
	Lain-Lain Jenis Udang	3333	4220	3395	3637	3289	3151	2647	2398	2676	2900	3294	3072	38,012
	Udang Baring	1,137	1,345	1,089	1,343	853	1,135	1,402	2,870	3,407	1,987	1,559	2,151	20,278
56	Siput/Kepah/Kupang/Tiram	1,053	1,030	1,148	1,780	1,902	1,853	4,199	2,194	2,467	1,622	1,622	1,370	22,240
57	Sotong Kereta	42	39	36	41	40	43	43	78	74	56	53	39	584
	Sotong Katak	1,389	1,113	1,033	1,008	1,121	1,150	1,282	1,387	1,376	1,463	1,678	1,317	15,317
	Sotong Biasa	2,409	2,330	2,712	4,039	3,382	3,024	3,096	2,672	2,674	2,351	2,248	1,685	32,622
76	Ubur-Ubur	556	3,425	2,706	1,756	2,857	187	266	1,386	662	382	1,528	582	16,293
	Jumlah Tan M/Total Tonnes	80,844	84,065	79,604	89,439	90,033	77,546	87,313	98,799	99,780	97,531	90,697	71,699	1,047,350

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.1.

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	142	257	207	169	205	183	161	168	176	238	498	256	2,660
	Puput/B. Mata/Tirok	514	596	507	483	421	524	485	525	575	725	567	603	6,525
25	Terubok	7	0	4	1	0	8	0	0	0	4	12	9	45
	Siakap	5	5	3	10	12	6	7	8	7	9	8	9	89
31	Lidah	173	248	299	227	161	166	201	218	169	201	350	271	2,684
	Sebelah	87	99	73	65	68	96	74	74	72	74	69	62	913
33	Bayan	5	2	10	7	2	3	4	8	10	10	2	4	67
	Biji Nangka	437	421	353	358	402	465	393	540	466	424	412	344	5,015
	Daun Baharu	11	12	13	13	24	17	16	21	18	19	12	15	191
	Delah/Pinang-Pinang	0	8	4	7	10	2	9	12	21	11	7	2	93
	Duri/Pulutan/Utik	2,234	501	502	725	568	574	631	722	631	643	642	512	8,885
	Dengkis/Debam	58	49	60	61	48	38	47	69	65	55	52	24	626
	Gelama/Tengkerong/Selampai	1,021	1,161	1,216	1,097	904	853	1,121	1,383	1,100	1,038	1,295	1,004	13,193
	Gerut-Gerut	59	56	45	43	109	43	61	46	54	57	54	54	681
	Jenahak	44	55	39	34	40	26	46	37	45	62	52	55	535
	Kaci	68	47	61	72	93	53	53	44	65	59	34	34	683
	Kerapu	278	258	265	338	339	307	366	383	332	329	274	207	3,676
	Kerisi	2,116	2,920	2,168	2,274	2,242	1,956	2,001	2,117	2,203	2,442	2,042	1,474	25,955
	Kerisi Bali	367	99	455	117	126	154	111	189	117	94	61	54	1,944
	Kikek	38	186	66	49	61	51	30	65	48	54	31	61	740
	Malong	134	152	228	166	151	140	117	137	107	141	179	149	1,801
	Merah	351	181	197	214	248	191	202	189	186	226	150	120	2,455
	Mengkerong/Conor/Ubi-Ubi	433	542	458	645	699	451	514	559	566	594	533	403	6,397
	Remong/Kunyit-Kunyit/Tanda	286	180	154	168	188	140	177	205	231	196	154	86	2,165
	Semilang	58	63	80	79	84	93	84	79	95	72	76	80	943
	Shrumbu/Lemah	19	18	20	24	53	193	284	251	79	97	128	39	1,205
	Puntong Damar/Bulus	279	168	128	146	187	138	148	171	153	144	175	126	1,963
	Pasir-Pasir/Timun-Timun	55	86	128	71	65	59	44	96	102	84	71	17	878
34	Alu-Alu/Kacang-Kacang	230	189	163	153	168	144	167	179	152	153	147	128	1,973
	Aruan Tasik	61	45	50	80	43	49	59	82	28	35	38	37	607
	Bawal	478	667	448	437	435	451	365	424	361	452	598	386	5,502
	Belanak/Kedera	191	129	95	146	129	106	123	112	96	102	190	116	1,535
	Cemin/Sagai/Cupak	193	149	132	139	215	120	150	176	144	159	116	72	1,765

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

	Cincaru	704	676	597	804	929	676	774	986	1,103	599	1,054	521	9,423
	Demudok/Rambai	147	142	190	180	231	208	106	111	148	180	89	48	1,780
	Kurau/Senangin/Senohong	115	106	95	110	120	119	107	122	131	106	121	113	1,365
	Pelata/Selar	951	899	1,065	1,451	1,330	973	1,075	1,555	1,698	1,525	1,151	978	14,651
	Selar Kuning/Lolong	1,935	2,667	1,717	2,391	2,209	1,860	2,255	3,044	3,372	3,192	2,053	1,379	28,074
	Selayang/Curut	3,349	4,312	2,550	4,143	3,529	2,945	4,955	6,712	6,262	6,611	5,101	2,648	53,117
	Pisang-Pisang	3	3	11	35	3	23	62	73	107	53	16	0	389
	Talang	44	56	67	97	86	65	46	55	60	44	37	45	702
35	Bilis/Bunga Air	1,206	1,236	1,441	1,616	1,751	1,751	1,814	2,184	2,977	2,868	1,174	1,014	21,032
	Parang-Parang	234	281	317	330	402	308	389	378	297	354	273	212	3,775
	Tamban	707	2,417	1,342	1,897	2,603	1,379	1,882	1,707	2,381	1,768	684	367	19,134
	Bulan-Bulan	1	1	3	5	2	2	1	0	1	3	1	1	21
36	Aya/Kayu/Tongkol	666	801	1,261	2,400	1,622	1,521	1,421	1,672	1,552	1,534	881	621	15,952
	Layaran/Mersuji	26	23	3	3	3	9	8	1	1	0	3	1	81
37	Kembong/Temenong/Pelaling	3,628	4,577	3,679	3,838	3,836	3,291	4,064	4,779	4,546	5,458	4,503	3,527	49,726
	Tenggiri	812	855	646	707	623	858	637	815	861	889	634	421	8,758
	Timah/Layor/Selayor	621	633	500	356	459	471	475	440	457	464	369	345	5,590
38	Pari	736	798	707	696	884	743	1,158	1,228	1,083	1,227	868	720	10,848
	Yu	154	155	156	212	178	180	221	202	213	224	164	120	2,179
39	Ikan Baja	23,224	19,156	18,792	20,306	20,717	20,286	23,364	27,711	25,429	26,039	25,503	19,393	269,920
	Ikan Campur	2,330	1,567	1,425	1,375	1,573	1,335	1,461	1,739	1,690	1,757	1,956	1,424	19,632
	Jebong	132	106	138	151	150	136	221	241	275	203	126	114	1,993
42	Ketam	458	459	445	356	328	320	352	475	379	411	498	424	4,905
45	Udang Karang/Lobok	104	63	50	50	53	49	76	98	100	93	87	62	885
	Udang Putih	608	536	480	513	465	443	523	488	493	455	544	609	6,157
	Udang Minyak	1,371	1,403	1,762	1,507	1,719	1,284	1,192	1,386	1,327	1,479	1,310	1,327	17,067
	Udang Merah Ros	556	518	420	361	265	355	438	283	364	275	464	546	4,845
	Udang Kulit Keras	372	387	264	304	374	190	338	355	310	327	268	359	3,848
	Udang Harimau	50	29	25	16	10	13	18	17	21	27	38	43	307
	Lain-Lain Jenis Udang	2,342	2,944	2,351	2,650	2,369	2,318	2,077	1,848	2,113	2,417	2,789	2,601	28,819
	Udang Baring	1,130	1,148	1,075	1,308	828	1,119	1,363	2,816	3,367	1,956	1,527	2,129	19,766
56	Siput/Kepah/Kupang/Tiram	852	810	758	1,553	1,678	1,667	3,831	1,716	1,888	1,248	1,310	1,124	18,435
57	Sotong Kereta	27	25	22	23	15	21	25	35	41	42	39	24	339
	Sotong Katak	1,328	966	876	884	965	1,028	1,176	1,319	1,239	1,332	1,555	1,183	13,851
	Sotong Biasa	2,056	1,991	2,115	3,380	2,970	2,764	2,761	2,384	2,333	2,007	1,856	1,245	27,862
76	Ubur-Ubur	20	0	14	164	74	116	61	1,097	325	83	16	31	2,001
	Jumlah Tan M/Total Tonnes	63,431	62,295	55,990	64,790	63,853	58,626	68,978	79,361	77,418	76,253	68,091	52,532	791,618

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(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	131	255	205	168	205	182	159	168	175	236	497	252	2,633
	Puput/B. Mata/Tirok	399	578	501	455	404	512	461	517	572	697	528	601	6,225
	Terubok	7	0	4	1	0	8	0	0	0	4	12	9	45
25	Siakap	4	4	2	8	10	5	5	7	5	7	8	8	73
31	Lidah	136	216	267	209	150	152	176	187	150	183	328	249	2,403
	Sebelah	32	29	21	24	25	58	23	22	19	29	23	27	332
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	3	3
	Biji Nangka	181	173	219	169	179	133	139	169	140	121	171	164	1,958
	Daun Baharu	3	5	7	4	6	6	5	7	6	9	3	6	67
	Delah/Pinang-Pinang	0	0	0	0	0	0	0	0	1	1	2	1	5
	Duri/Pulutan/Utik	333	323	292	387	304	345	379	459	363	371	381	348	4,285
	Dengkis/Debam	14	9	12	19	7	13	11	12	11	10	6	10	134
	Gelama/Tengkerong/Selampai	879	964	984	885	708	732	976	1,156	892	748	862	845	10,631
	Gerut-Gerut	30	40	35	34	93	35	39	31	40	39	40	45	501
	Jenahak	43	48	39	32	37	24	45	31	42	57	47	51	496
	Kaci	4	6	12	21	25	14	17	3	8	14	5	10	139
	Kerapu	142	165	174	208	214	176	220	187	159	197	167	157	2,166
	Kerisi	929	1,112	1,146	994	996	914	900	787	769	877	808	654	10,886
	Kerisi Bali	78	54	30	44	48	78	26	28	21	29	20	18	474
	Kikek	12	58	12	4	22	20	7	5	5	6	9	4	164
	Malong	114	143	216	135	128	128	103	131	99	133	164	141	1,635
	Merah	40	69	72	47	56	63	55	41	38	48	41	44	614
	Mengkerong/Conor/Ubi-Ubi	312	400	372	505	557	365	385	381	343	309	320	272	4,521
	Remong/Kunyit-Kunyit/Tanda	28	30	26	31	22	30	24	18	20	28	18	11	286
	Semilang	56	61	76	74	79	87	81	79	95	72	76	80	916
	Shrumbu/Lemah	18	17	19	24	53	193	284	251	79	97	128	39	1,202
	Puntong Damar/Bulus	101	84	92	105	145	82	99	95	85	96	105	89	1,178
	Pasir-Pasir/Timun-Timun	3	0	0	0	0	0	0	0	0	0	0	0	3
34	Alu-Alu/Kacang-Kacang	91	103	92	79	92	69	96	106	76	80	82	70	1,036
	Aruan Tasik	6	7	7	16	12	14	16	14	6	9	13	11	131
	Bawal	345	437	416	356	332	376	344	390	326	419	536	354	4,631
	Belanak/Kedera	188	126	91	138	121	101	115	112	91	99	187	112	1,481
	Cermin/Sagai/Cupak	12	39	22	15	27	24	19	20	14	27	13	12	244

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

	Cincaru	244	332	263	247	399	234	516	725	611	250	491	412	4,724
	Demudok/Rambai	52	109	72	62	51	81	59	55	76	69	50	35	771
	Kurau/Senangin/Senohong	111	104	86	105	112	107	96	104	124	101	117	105	1,272
	Pelata/Selar	132	265	294	224	165	261	311	375	347	425	519	526	3,844
	Selar Kuning/Lolong	269	309	280	188	198	219	265	216	158	210	309	325	2,946
	Selayang/Curut	486	842	1,089	1320	917	919	1,342	861	513	560	787	871	10,507
	Pisang-Pisang	0	1	7	0	0	12	49	48	91	42	12	0	262
	Talang	41	50	59	75	77	55	35	37	41	33	31	45	579
35	Bilis/Bunga Air	1,205	725	868	1234	1,283	1,466	1,157	1,372	647	798	1,035	1,012	12,802
	Parang-Parang	178	224	218	210	202	202	208	216	175	242	191	183	2,449
	Tamban	251	848	369	192	721	265	379	638	375	319	371	295	5,023
	Bulan-Bulan	1	1	1	2	0	0	1	0	0	0	0	1	7
36	Aya/Kayu/Tongkol	153	283	502	1256	582	397	410	490	300	461	313	313	5,460
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	2,666	3,449	2,886	2620	2,603	2,527	2,968	3,126	2,517	3,643	3,835	3,264	36,104
	Tenggiri	345	461	364	398	338	432	354	254	337	457	348	323	4,411
	Timah/Layor/Selayor	468	404	364	255	349	354	365	345	348	360	269	242	4,123
38	Pari	389	434	394	415	461	397	558	527	453	595	532	453	5,608
	Yu	44	53	53	85	54	59	66	60	62	57	53	48	694
39	Ikan Baja	12,218	13,172	13,140	14,856	14,094	12,549	12,892	12,292	11,997	13,726	13,664	12,240	156,840
	Ikan Campur	669	896	836	806	805	771	837	810	747	746	741	753	9,417
	Jebong	81	81	113	119	120	101	195	201	226	149	89	96	1,571
42	Ketam	324	363	358	272	253	246	274	326	265	304	372	346	3,703
45	Udang Karang/Lobok	2	1	3	3	1	2	2	2	3	2	3	3	27
	Udang Putih	421	434	425	497	450	428	510	474	477	418	454	487	5,475
	Udang Minyak	1,117	1,196	1,541	1,476	1,702	1,276	1,182	1,355	1,290	1,445	1,175	1,195	15,950
	Udang Merah Ros	306	384	297	332	245	332	419	257	330	226	257	263	3,648
	Udang Kulit Keras	218	269	190	300	373	189	337	354	308	325	246	318	3,427
	Udang Harimau	15	8	11	9	5	6	5	4	5	10	7	12	97
	Lain-Lain Jenis Udang	2,091	2,748	2,228	2,611	2,329	2,266	2,010	1,755	1,987	2,259	2,439	2,271	26,994
	Udang Baring	1,130	1,148	1,075	1,061	828	1,118	1,147	1,929	2,395	1,825	1,526	2,128	17,310
56	Siput/Kepah/Kupang/Tiram	852	810	757	1,552	1,677	1,666	3,831	1,715	1,887	1,244	1,309	1,124	18,424
57	Sotong Kereta	19	24	18	21	12	13	16	11	20	25	25	19	223
	Sotong Katak	537	612	516	520	486	503	527	497	509	548	541	487	6,283
	Sotong Biasa	1,191	1,321	1,142	1,048	880	658	771	993	1,056	1,137	1,117	727	12,041
76	Ubur-Ubur	20	0	14	164	74	116	61	1,097	325	83	16	31	2,001
	Jumlah Tan M/Total Tonnes	32,917	37,916	36,296	39,726	37,903	35,166	39,364	38,935	35,652	38,146	38,844	35,650	446,515

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.3.

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	11	2	2	1	0	1	2	0	1	2	1	4	27
	Puput/B. Mata/Tirok	115	18	6	28	17	12	24	8	3	28	39	2	300
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	1	1	1	2	2	1	2	1	2	2	0	1	16
31	Lidah	37	32	32	18	11	14	25	31	19	18	22	22	281
33	Sebelah	55	70	52	41	43	38	51	52	53	45	46	35	581
	Bayan	5	2	10	7	2	3	4	8	10	10	2	1	64
	Biji Nangka	256	248	134	189	223	332	254	371	326	303	241	180	3,057
	Daun Baharu	8	7	6	9	18	11	11	14	12	10	9	9	124
	Delah/Pinang-Pinang	0	8	4	7	10	2	9	12	20	10	5	1	88
	Duri/Pulutan/Utik	1,901	178	210	338	264	229	252	263	268	272	261	164	4,600
	Dengkis/Debam	44	40	48	42	41	25	36	57	54	45	46	14	492
	Gelama/Tengkerong/Selampai	142	197	232	212	196	121	145	227	208	290	433	159	2,562
	Gerut-Gerut	29	16	10	9	16	8	22	15	14	18	14	9	180
	Jenahak	1	7	0	2	3	2	1	6	3	5	5	4	39
	Kaci	64	41	49	51	68	39	36	41	57	45	29	24	544
	Kerapu	136	93	91	130	125	131	146	196	173	132	107	50	1,510
	Kerisi	1,187	1,808	1,022	1,280	1,246	1,042	1,101	1,330	1,434	1,565	1,234	820	15,069
	Kerisi Bali	289	45	425	73	78	76	85	161	96	65	41	36	1,470
	Kikek	26	128	54	45	39	31	23	60	43	48	22	57	576
	Malong	20	9	12	31	23	12	14	6	8	8	15	8	166
	Merah	311	112	125	167	192	128	147	148	148	178	109	76	1,841
	Mengkerong/Conor/Ubi-Ubi	121	142	86	140	142	86	129	178	223	285	213	131	1,876
	Remong/Kunyit-Kunyit/Tanda	258	150	128	137	166	110	153	187	211	168	136	75	1,879
	Semilang	2	2	4	5	5	6	3	0	0	0	0	0	27
	Shrumbu/Lemah	1	1	1	0	0	0	0	0	0	0	0	0	3
34	Puntong Damar/Bulus	178	84	36	41	42	56	49	76	68	48	70	37	785
	Pasir-Pasir/Timun-Timun	52	86	128	71	65	59	44	96	102	84	71	17	875
	Alu-Alu/Kacang-Kacang	139	86	71	74	76	75	71	73	76	73	65	58	937
	Aruan Tasik	55	38	43	64	31	35	43	68	22	26	25	26	476
	Bawal	133	230	32	81	103	75	21	34	35	33	62	32	871
	Belanak/Kedera	3	3	4	8	8	5	8	0	5	3	3	4	54
	Cermin/Sagai/Cupak	181	110	110	124	188	96	131	156	130	132	103	60	1,521

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

	Cincaru	460	344	334	557	530	442	258	261	492	349	563	109	4,699
	Demudok/Rambai	95	33	118	118	180	127	47	56	72	111	39	13	1,009
	Kurau/Senangin/Senohong	4	2	9	5	8	12	11	18	7	5	4	8	93
	Pelata/Selar	819	634	771	1227	1,165	712	764	1,180	1,351	1100	632	452	10,807
	Selar Kuning/Lolong	1,666	2,358	1,437	2203	2,011	1,641	1,990	2,828	3,214	2982	1,744	1054	25,128
	Selayang/Curut	2,863	3,470	1,461	2823	2,612	2,026	3,613	5,851	5,749	6,051	4,314	1,777	42,610
	Pisang-Pisang	3	2	4	35	3	11	13	25	16	11	4	0	127
	Talang	3	6	8	22	9	10	11	18	19	11	6	0	123
35	Bilis/Bunga Air	1	511	573	382	468	285	657	812	2,330	2,070	139	2	8,230
	Parang-Parang	56	57	99	120	200	106	181	162	122	112	82	29	1,326
	Tamban	456	1,569	973	1705	1,882	1,114	1,503	1,069	2,006	1,449	313	72	14,111
	Bulan-Bulan	0	0	2	3	2	2	0	0	1	3	1	0	14
36	Aya/Kayu/Tongkol	513	518	759	1144	1,040	1,124	1,011	1,182	1,252	1,073	568	308	10,492
	Layaran/Mersuji	26	23	3	3	3	9	8	1	1	0	3	1	81
37	Kembong/Temenong/Pelaling	962	1,128	793	1218	1,233	764	1,096	1,653	2,029	1,815	668	263	13,622
	Tenggiri	467	394	282	309	285	426	283	561	524	432	286	98	4,347
	Timah/Layor/Selayor	153	229	136	101	110	117	110	95	109	104	100	103	1,467
38	Pari	347	364	313	281	423	346	600	701	630	632	336	267	5,240
	Yu	110	102	103	127	124	121	155	142	151	167	111	72	1,485
39	Ikan Baja	11,006	5,984	5,652	5,450	6,623	7,737	10,472	15,419	13,432	12,313	11,839	7,153	113,080
	Ikan Campur	1,661	671	589	569	768	564	624	929	943	1,011	1,215	671	10,215
	Jebong	51	25	25	32	30	35	26	40	49	54	37	18	422
42	Ketam	134	96	87	84	75	74	78	149	114	107	126	78	1,202
45	Udang Karang/Lobok	102	62	47	47	52	47	74	96	97	91	84	59	858
	Udang Putih	187	102	55	16	15	15	13	14	16	37	90	122	682
	Udang Minyak	254	207	221	31	17	8	10	31	37	34	135	132	1,117
	Udang Merah Ros	250	134	123	29	20	23	19	26	34	49	207	283	1,197
	Udang Kulit Keras	154	118	74	4	1	1	1	1	2	2	22	41	421
	Udang Harimau	35	21	14	7	5	7	13	13	16	17	31	31	210
	Lain-Lain Jenis Udang	251	196	123	39	40	52	67	93	126	158	350	330	1,825
	Udang Baring	0	0	0	247	0	1	216	887	972	131	1	1	2,456
56	Siput/Kepah/Kupang/Tiram	0	0	1	1	1	1	0	1	1	4	1	0	11
57	Sotong Kereta	8	1	4	2	3	8	9	24	21	17	14	5	116
	Sotong Katak	791	354	360	364	479	525	649	822	730	784	1,014	696	7,568
	Sotong Biasa	865	670	973	2,332	2,090	2,106	1,990	1,391	1,277	870	739	518	15,821
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	30,514	24,379	19,694	25,064	25,950	23,460	29,614	40,426	41,766	38,107	29,247	16,882	345,103

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.4.

ISSCAAP GROUP NO.	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	Jumlah (Tan) Total (Tonnes)
	Nama Tempatan Local Name													
24	Kebasi/Selangat	43	6	8	6	9	5	5	15	27	19	14	9	166
	Puput/B. Mata/Tirok	32	52	91	181	170	131	126	123	123	109	46	22	1,206
25	Terubok	2	6	32	42	27	41	39	66	62	35	9	9	370
	Siakap	0	0	1	0	4	1	0	1	2	6	2	2	19
31	Lidah	10	13	18	2	3	3	3	5	5	6	5	2	75
	Sebelah	16	9	21	20	14	15	8	19	16	15	8	4	165
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	2	1	1	1	1	0	0	5	1	1	3	0	16
	Daun Baharu	0	0	1	3	4	0	4	4	15	0	1	0	32
	Delah/Pinang-Pinang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Duri/Pulutan/Utik	167	197	200	227	317	256	261	217	225	218	154	78	2,517
	Dengkis/Debam	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengerong/Selampai	230	207	352	284	436	229	238	341	209	218	168	47	2,959
	Gerut-Gerut	0	1	0	2	0	0	0	1	0	4	3	3	14
	Jenahak	6	18	24	39	19	21	18	19	19	15	12	3	213
	Kaci	1	1	1	2	5	2	3	5	5	3	4	1	33
	Kerapu	14	32	36	37	33	26	27	25	34	20	16	7	307
	Kerisi	15	30	48	54	50	32	38	33	38	23	43	22	426
	Kerisi Bali	11	16	20	14	10	9	9	13	0	9	8	10	129
	Kikek	0	0	0	0	0	0	10	30	8	0	12	0	60
	Malong	102	105	168	89	127	59	63	50	44	41	79	20	947
	Merah	55	95	118	142	153	168	184	166	207	174	122	20	1,604
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0	0	0	0	0	0	0	0
	Semilang	6	4	3	11	8	5	4	9	4	2	3	1	60
	Shrumbu/Lemah	11	29	49	52	43	38	38	13	33	20	13	11	350
	Puntung Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	8	35	11	32	22	24	23	45	18	26	16	5	265
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	72	85	176	259	250	248	248	259	252	198	116	32	2,195
	Belanak/Kedera	0	1	0	0	1	1	1	2	12	8	1	0	27
	Cermin/Sagai/Cupak	13	8	29	204	122	49	105	28	27	25	24	4	638

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

101	35	Cincaru	122	96	257	215	147	177	131	163	146	117	52	21	1,644
		Demudok/Rambai	4	8	13	15	23	16	13	7	14	10	10	4	137
		Kurau/Senangin/Senohong	11	29	47	37	31	27	32	54	42	61	22	33	426
		Pelata/Selar	136	57	119	255	109	242	117	174	116	140	106	24	1,595
		Selar Kuning/Lolong	122	5	8	9	13	14	38	11	4	8	3	11	246
		Selayang/Curut	0	6	19	8	19	43	13	18	25	12	22	5	190
		Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0
		Talang	9	23	15	37	39	26	46	33	34	32	13	5	312
		Bilis/Bunga Air	71	86	196	268	203	198	212	165	112	81	267	57	1,916
		Parang-Parang	19	28	69	56	66	56	39	57	44	45	43	15	537
		Tamban	68	75	184	128	108	44	86	70	99	64	586	55	1,567
		Bulan-Bulan	0	8	24	2	1	0	0	0	1	0	2	0	38
	36	Aya/Kayu/Tongkol	137	88	42	99	139	168	185	156	174	157	89	77	1,511
		Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0
	37	Kembong/Temenong/Pelaling	98	133	158	291	282	268	294	267	316	273	622	88	3,090
		Tenggiri	48	130	198	225	305	179	211	218	206	139	102	42	2,003
		Timah/Layor/Selayor	15	32	67	108	141	93	134	155	135	81	96	22	1,079
	38	Pari	112	99	137	218	271	141	169	223	187	175	109	40	1,881
		Yu	44	133	190	187	179	156	144	146	185	132	127	56	1,679
	39	Ikan Baja	350	858	1,451	2,221	2,371	1,941	1,437	1,379	1,552	1,643	1,123	236	16,562
		Ikan Campur	350	486	796	1,002	965	587	664	910	521	668	583	262	7,794
		Jebong	0	0	0	0	0	0	0	0	0	0	0	0	0
	42	Ketam	69	25	30	24	26	33	35	73	63	52	53	38	521
	45	Udang Karang/Lobok	16	0	0	2	0	0	0	1	1	1	2	0	23
		Udang Putih	760	140	184	194	150	138	132	154	197	143	144	120	2,456
		Udang Minyak	0	0	0	0	0	0	2	0	3	2	2	1	10
		Udang Merah Ros	0	0	0	0	0	0	0	0	0	3	0	0	3
		Udang Kulit Keras	189	194	197	198	183	195	197	201	196	194	198	197	2,339
		Udang Harimau	1	0	0	0	0	0	0	0	0	0	0	0	1
		Lain-Lain Jenis Udang	626	815	684	623	528	518	268	263	261	202	210	200	5,198
		Udang Baring	6	187	4	24	16	6	22	35	24	20	16	7	367
	56	Siput/Kepah/Kupang/Tiram	10	9	14	9	10	10	9	1	10	12	12	15	121
	57	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sotong Katak	6	15	14	8	31	9	13	7	15	12	10	5	145
		Sotong Biasa	105	83	267	425	181	117	95	68	120	114	93	11	1,679
	76	Ubur-Ubur	530	3,419	2,687	170	61	62	192	277	327	292	1,501	543	10,061
		Jumlah Tan M/Total Tonnes	4,850	8,218	9,479	8,761	8,426	6,827	6,385	6,780	6,516	6,080	7,100	2,502	81,924

SABAH
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.5.

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	6	16	17	7	8	18	16	15	16	37	18	16	190
	Puput/B. Mata/Tirok	42	86	53	44	34	28	41	53	45	52	71	70	619
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	127	140	162	118	125	101	118	127	157	116	102	101	1,494
31	Lidah	2	2	1	2	1	1	1	2	1	2	1	2	18
	Sebelah	43	39	37	31	32	27	33	32	32	32	47	45	430
33	Bayan	5	9	0	0	0	0	0	0	0	0	0	0	14
	Biji Nangka	0	0	0	0	0	0	0	8	2	20	27	3	60
	Daun Baharu	6	3	12	6	5	7	5	12	8	30	19	6	119
	Delah/Pinang-Pinang	83	106	83	89	75	100	152	219	60	248	168	120	1,503
	Duri/Pulutan/Utik	213	189	219	188	275	192	206	268	297	273	253	312	2,885
	Dengkis/Debam	39	76	39	41	28	25	57	41	36	48	44	71	545
	Gelama/Tengkerong/Selampai	28	60	31	33	50	51	66	70	82	84	79	82	716
	Gerut-Gerut	22	24	23	15	13	24	10	21	23	20	32	17	244
	Jenahak	254	166	151	172	201	163	234	325	364	290	229	191	2,740
	Kaci	0	1	0	0	24	13	27	0	28	20	17	19	149
	Kerapu	252	242	221	361	402	312	313	285	354	317	229	244	3,532
	Kerisi	256	218	204	201	250	200	335	423	456	450	457	496	3,946
	Kerisi Bali	0	45	39	56	96	58	67	65	65	33	50	17	591
	Kikek	87	79	56	41	73	50	74	96	61	40	77	53	787
	Malong	16	12	22	13	12	11	11	9	11	15	35	47	214
	Merah	301	195	226	257	358	286	286	251	335	200	210	248	3,153
	Mengkerong/Conor/Ubi-Ubi	17	65	32	36	39	33	42	56	57	60	57	67	561
	Remong/Kunyit-Kunyit/Tanda	7	14	17	9	35	34	35	45	57	82	45	69	449
	Semilang	61	95	98	48	74	78	70	174	116	121	109	86	1,130
	Shrumbu/Lemah	22	19	12	14	21	6	0	0	22	2	2	14	134
	Puntong Damar/Bulus	0	0	2	0	6	0	1	1	1	0	0	2	13
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	86	77	77	92	111	131	137	146	170	99	127	149	1,402
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	167	305	141	200	159	129	108	150	245	197	160	194	2,155
	Belanak/Kedera	75	100	124	116	128	112	86	111	191	191	134	109	1,477
	Cermin/Sagai/Cupak	11	0	0	0	0	0	0	0	0	0	0	0	11

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

103	Cincaru	235	160	269	242	306	414	338	264	351	385	460	291	3,715
	Demudok/Rambai	136	228	225	350	294	267	273	302	322	288	334	440	3,459
	Kurau/Senangin/Senohong	151	161	110	142	207	150	205	172	199	268	187	320	2,272
	Pelata/Selar	133	340	288	369	320	204	305	245	414	415	370	398	3,801
	Selar Kuning/Lolong	208	105	87	54	62	53	47	26	16	82	20	22	782
	Selayang/Curut	1,058	1,046	1,240	1,018	977	722	431	481	893	888	1,071	1,269	11,094
	Pisang-Pisang	1	15	25	22	7	2	27	22	54	32	18	16	241
	Talang	119	67	111	112	64	91	73	96	68	145	73	177	1,196
	35 Bilis/Bunga Air	10	14	25	17	168	210	207	196	235	276	217	241	1,816
	Parang-Parang	43	26	19	17	0	1	0	6	17	44	4	6	183
	Tamban	471	377	574	598	479	328	222	425	558	469	664	457	5,622
	Bulan-Bulan	2	2	1	0	3	2	2	2	6	6	8	6	40
	36 Aya/Kayu/Tongkol	1,281	1,021	1,203	1,254	1,676	1,302	1,202	1,019	1,595	1,283	1,547	2,753	17,136
	Layaran/Mersuji	73	61	57	19	15	18	24	13	28	17	2	7	334
	37 Kembong/Temenong/Pelaling	741	833	1,060	1,255	1,345	869	792	899	1,385	1,120	1,170	1,162	12,631
	Tenggiri	681	764	768	756	824	556	530	817	679	789	1,120	1,039	9,323
	Timah/Layor/Selayor	32	118	65	70	60	60	76	82	76	33	46	47	765
	38 Pari	87	148	176	111	140	112	133	162	146	118	130	151	1,614
	Yu	121	140	120	142	162	136	177	151	250	272	137	304	2,112
	39 Ikan Baja	440	842	600	688	797	489	622	488	853	915	920	859	8,513
	Ikan Campur	978	1,165	625	713	473	459	450	553	615	680	684	420	7,815
	Jebong	9	23	14	19	21	18	28	30	22	14	20	22	240
	42 Ketam	210	213	234	326	315	276	279	313	306	381	359	354	3,566
	45 Udang Karang/Lobok	10	8	10	7	9	8	7	7	8	5	8	7	94
	Udang Putih	797	871	833	731	642	665	582	588	633	528	601	584	8,055
	Udang Minyak	2	2	5	2	1	2	1	1	1	1	1	3	22
	Udang Merah Ros	126	144	96	84	98	93	73	83	56	64	36	31	984
	Udang Kulit Keras	24	27	34	36	30	26	28	23	18	11	15	10	282
	Udang Harimau	104	96	92	35	30	33	40	33	43	49	42	41	638
	Lain-Lain Jenis Udang	255	320	256	277	300	250	238	226	244	218	235	212	3,031
	Udang Baring	1	10	10	11	9	10	17	19	16	11	16	15	145
	56 Siput/Kepah/Kupang/Tiram	191	211	376	218	214	176	359	477	569	362	300	231	3,684
	57 Sotong Kereta	15	14	14	18	25	22	18	43	33	14	14	15	245
	Sotong Katak	37	107	82	83	82	79	69	41	91	92	88	100	951
	Sotong Biasa	214	212	269	193	200	116	218	212	208	218	281	413	2,754
	76 Ubur-Ubur	6	6	5	1,422	2,722	9	13	12	10	7	11	8	4,231
	Jumlah Tan M/Total Tonnes	11,230	12,280	12,077	13,601	15,712	10,418	10,637	11,534	14,310	13,579	14,008	15,281	154,667

LABUAN
PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 4.5.6.

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	4	0	3	0	3	3	2	2	2	3	4	3	29
	Puput/B. Mata/Tirok	6	2	2	2	5	4	4	2	8	10	9	8	62
	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	0	0	0	0
31	Lidah	3	2	3	2	2	4	2	2	2	2	4	2	30
	Sebelah	15	15	25	26	11	12	13	16	17	23	22	18	213
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	27	21	17	59	28	32	24	18	14	17	18	21	296
	Daun Baharu	16	11	33	21	33	25	14	17	20	22	22	16	250
	Delah/Pinang-Pinang	19	21	19	39	30	31	23	19	21	18	26	20	286
	Duri/Pulutan/Utik	14	16	19	10	18	21	17	15	23	34	37	25	249
	Dengkis/Debam	20	22	26	52	34	25	15	14	35	25	28	21	317
	Gelama/Tengkerong/Selampai	44	46	73	42	33	39	20	28	25	27	34	35	446
	Gerut-Gerut	8	13	19	25	19	21	11	19	141	13	18	11	318
	Jenahak	7	7	14	11	22	12	10	7	9	13	21	9	142
	Kaci	15	15	14	8	17	15	15	12	17	18	25	18	189
	Kerapu	20	25	43	35	36	26	20	28	38	31	32	27	361
	Kerisi	49	30	63	36	38	33	30	34	31	35	30	25	434
	Kerisi Bali	21	30	23	44	45	37	20	17	28	19	27	11	322
	Kikek	26	17	37	28	37	30	25	18	24	27	34	28	331
	Malong	0	0	0	0	0	0	0	0	0	1	0	0	1
	Merah	41	35	23	43	55	48	37	34	37	35	24	19	431
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	38	18	21	35	23	22	26	23	28	36	31	36	337
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	1	5	5	10	8	8	7	6	6	9	15	13	93
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	4	5	7	8	7	7	6	5	5	5	8	10	77
34	Alu-Alu/Kacang-Kacang	24	27	58	46	29	14	18	8	8	6	12	2	252
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	24	30	74	39	41	37	13	7	8	0	0	4	277
	Belanak/Kedera	4	3	2	3	4	3	6	8	7	7	7	5	59
	Cermin/Sagai/Cupak	29	25	57	63	58	56	56	46	59	66	75	57	647

Samb. Dari Jadual 4.5.6.
(Cont'd From Table 4.5.6.)

	Cincaru	27	47	49	73	51	53	39	39	40	61	36	12	527
	Demudok/Rambai	28	14	23	25	16	22	13	17	18	17	29	24	246
	Kurau/Senangin/Senohong	1	3	0	0	3	4	0	0	0	1	4	3	19
	Pelata/Selar	35	30	87	35	42	43	24	31	18	33	42	56	476
	Selar Kuning/Lolong	42	22	32	24	11	22	27	13	41	30	40	50	354
	Selayang/Curut	8	16	52	19	37	30	25	21	28	29	27	29	321
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	1	1
	Talang	0	0	0	18	13	12	12	12	10	13	6	3	99
35	Bilis/Bunga Air	0	5	4	3	5	4	0	0	0	0	0	0	21
	Parang-Parang	1	2	0	0	0	0	0	0	0	0	0	0	3
	Tamban	15	45	53	27	37	53	85	71	62	53	33	79	613
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	22	9	22	460	351	104	89	78	25	176	25	20	1,381
	Layaran/Mersuji	8	6	0	0	0	0	0	6	8	9	11	6	54
37	Kembong/Temenong/Pelaling	90	145	205	373	333	311	160	130	233	195	196	157	2,528
	Tenggiri	43	25	313	94	46	30	31	26	40	41	32	30	751
	Timah/Layor/Selayor	2	0	0	0	0	0	0	0	0	0	0	0	2
38	Pari	30	14	30	12	25	23	26	19	23	23	18	18	261
	Yu	26	30	31	26	25	33	18	10	25	32	33	35	324
39	Ikan Baja	170	84	116	70	91	90	128	84	128	134	140	148	1,383
	Ikan Campur	84	61	58	96	74	75	44	43	68	99	84	93	879
	Jebong	6	2	1	4	10	8	5	5	9	9	11	10	80
42	Ketam	9	6	10	18	18	12	13	3	8	13	13	12	135
45	Udang Karang/Lobok	11	12	17	11	13	14	0	0	0	10	15	13	116
	Udang Putih	25	35	32	33	26	27	21	15	25	25	24	26	314
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Harimau	9	8	17	18	13	14	9	7	12	12	13	11	143
	Lain-Lain Jenis Udang	110	141	104	87	92	65	64	61	58	63	60	59	964
	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	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	18	25	61	33	43	34	24	20	31	27	25	29	370
	Sotong Biasa	34	44	61	41	31	27	22	8	13	12	18	16	327
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	1,333	1,272	2,058	2,287	2,042	1,675	1,313	1,124	1,536	1,619	1,498	1,384	19,141

MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6

ISSCAAP GROUP NO.	Jenis Ikan Species	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-perangka 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)
	Nama Tempatan Local Name		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	911	12	0	13	2,045	2	57	2	0	0	3	0	0	0	3,045
	Puput/B. Mata/Tirok	3,354	75	0	0	4,951	0	28	0	3	0	1	0	0	0	8,412
	Terubok	4	0	0	0	396	0	0	0	15	0	0	0	0	0	415
25	Siakap	16	0	0	1	789	0	55	70	628	0	43	0	0	0	1,602
31	Lidah	2,382	0	0	25	381	0	0	2	0	7	10	0	0	0	2,807
	Sebelah	1,525	0	0	0	140	0	40	16	0	0	0	0	0	0	1,721
33	Bayan	27	0	0	0	7	0	1	38	8	0	0	0	0	0	81
	Biji Nangka	5,277	0	0	0	15	0	0	88	7	0	0	0	0	0	5,387
	Daun Baharu	373	0	0	2	146	0	12	8	50	0	0	0	0	1	592
	Delah/Pinang-Pinang	77	0	0	8	357	0	14	89	1,265	0	0	0	0	72	1,882
	Duri/Pulutan/Utik	8,128	137	0	61	4,693	0	112	65	1,041	13	286	0	0	0	14,536
	Dengkis/Debam	385	2	0	69	545	4	92	357	31	0	1	0	0	2	1,488
	Gelama/Tengkerong/Selampai	12,399	238	59	254	4,048	1	109	20	74	42	66	0	0	4	17,314
	Gerut-Gerut	694	0	0	1	210	0	163	37	151	0	1	0	0	0	1,257
	Jenahak	446	23	0	36	1,004	0	5	206	1,905	0	0	0	0	5	3,630
	Kaci	446	0	0	0	48	0	10	183	367	0	0	0	0	0	1,054
	Kerapu	2,662	1	0	3	905	0	65	851	3,381	0	1	0	0	7	7,876
	Kerisi	24,604	0	0	0	1,406	1	3	3,257	1,490	0	0	0	0	0	30,761
	Kerisi Bali	1,541	0	0	0	91	0	0	397	957	0	0	0	0	0	2,986
	Kikek	1,434	4	30	0	357	16	73	3	1	0	0	0	0	0	1,913
	Malong	1,934	0	0	0	573	0	0	20	436	0	0	0	0	0	2,963
	Merah	2,244	45	0	0	1,214	0	2	522	3,612	0	4	0	0	0	7,643
	Mengkerong/Conor/Ubi-Ubi	6768	0	0	0	94	0	0	96	0	0	0	0	0	0	6,958
	Remong/Kunyit-Kunyit/Tanda	1737	0	0	0	129	2	63	477	543	0	0	0	0	0	2,951
	Semilang	158	0	0	5	940	96	95	268	199	0	371	0	0	1	2,133
	Shrumbu/Lemah	1,619	0	0	0	148	0	15	0	0	0	0	0	0	0	1,782
	Puntong Damar/Bulus	1600	0	0	1	301	0	0	0	73	0	1	0	0	0	1,976
	Pasir-Pasir/Timun-Timun	485	0	0	0	67	0	9	390	4	0	0	0	0	0	955
34	Alu-Alu/Kacang-Kacang	2,326	192	0	11	506	24	72	49	703	0	0	0	0	9	3,892
	Aruan Tasik	251	34	0	0	40	0	0	56	226	0	0	0	0	0	607
	Bawal	3,992	1,310	0	1	3,566	797	62	8	0	11	0	382	0	0	10,129

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

	Belanak/Kedera	294	20	0	34	2,550	8	103	0	3	4	81	0	0	1	3,098
	Cermin/Sagai/Cupak	1,742	208	0	0	472	1	30	183	425	0	0	0	0	0	3,061
	Cincaru	4,762	6,720	24	2	1,731	939	1	0	1,116	0	0	10	0	4	15,309
	Demudok/Rambai	1,997	358	0	17	1,017	60	85	171	1,886	0	4	0	0	27	5,622
	Kurau/Senangin/Senohong	600	5	0	2	2,768	0	58	0	648	0	1	0	0	0	4,082
	Pelata/Selar	3,926	10,446	208	0	1,818	1,644	5	20	2,315	0	0	118	0	23	20,523
	Selar Kuning/Lolong	8,574	14,075	147	0	549	5,833	1	164	102	0	0	11	0	0	29,456
	Selayang/Curut	3,863	51,344	1,115	0	434	7,688	0	0	270	0	0	8	0	0	64,722
	Pisang-Pisang	32	233	0	0	160	0	1	6	198	0	0	0	0	1	631
	Talang	519	34	0	9	1,553	18	47	0	129	0	0	0	0	0	2,309
35	Bilis/Bunga Air	634	55	19,900	21	1,345	2,311	143	0	0	79	297	0	0	0	24,785
	Parang-Parang	2,028	39	31	0	2,386	1	1	0	12	0	0	0	0	0	4,498
	Tamban	1,761	17,568	1,186	100	1,637	4,481	31	0	129	5	0	38	0	0	26,936
	Bulan-Bulan	15	9	0	0	48	0	27	0	0	0	0	0	0	0	99
36	Aya/Kayu/Tongkol	86	17,888	254	1,320	8,500	1,621	0	3	6,308	0	0	0	0	0	35,980
	Layaran/Mersuji	41	0	0	0	257	0	0	0	171	0	0	0	0	0	469
37	Kembong/Temenong/Pelaling	15,191	28,598	840	26	19,566	2,479	34	0	1,219	0	0	20	0	2	67,975
	Tenggiri	3,584	553	0	0	9,575	1,575	0	3	5,545	0	0	0	0	0	20,835
	Timah/Layor/Selayor	5,928	120	41	0	1,290	18	4	0	33	2	0	0	0	0	7,436
38	Pari	10,296	3	0	31	1,776	0	90	116	2,289	1	2	0	0	0	14,604
	Yu	3,216	4	0	7	2,466	0	4	15	582	0	0	0	0	0	6,294
39	Ikan Baja	274,173	6,052	157	4,700	4,808	105	28	0	0	4,573	604	1,178	0	0	296,378
	Ikan Campur	24,524	1809	11	579	5,983	435	337	292	1450	191	493	0	0	16	36,120
	Jebong	1932	0	0	25	57	0	3	262	34	0	0	0	0	0	2,313
42	Ketam	3,528	0	0	24	1,740	48	105	540	1	16	253	3	0	2,869	9,127
45	Udang Karang/Lobok	972	0	0	0	45	0	0	1	0	0	0	0	0	100	1,118
	Udang Putih	7,490	2	0	78	8,268	0	15	0	0	313	33	448	0	335	16,982
	Udang Minyak	11,483	0	0	3,871	209	0	0	0	0	1,521	3	12	0	0	17,099
	Udang Merah Ros	4,874	0	0	229	572	0	0	0	0	103	54	0	0	0	5,832
	Udang Kulit Keras	3,225	0	0	856	296	0	1	0	23	1,797	0	271	0	0	6,469
	Udang Harimau	1,022	0	0	1	29	0	24	0	0	8	0	5	0	0	1,089
	Lain-Lain Jenis Udang	23,408	235	0	7,688	3,050	0	141	92	0	1,765	99	1,515	0	19	38,012
	Udang Baring	226	0	0	176	164	0	520	0	0	18,211	0	981	0	0	20,278
56	Siput/Kepah/Kupang/Tiram	243	0	0	0	0	0	0	0	0	0	0	0	21,993	4	22,240
57	Sotong Kereta	497	0	0	24	0	35	0	3	0	21	0	4	0	0	584
	Sotong Katak	14,841	0	0	44	74	5	1	249	47	53	0	2	0	1	15,317
	Sotong Biasa	27,391	1,818	0	5	47	1,014	105	181	2,048	13	0	0	0	0	32,622
76	Ubur-Ubur	3,225	0	0	0	163	0	9	0	0	4,121	1,112	4,735	4	2,924	16,293
	Jumlah Tan M/Total Tonnes	561,942	160,269	24,003	20,360	117,515	31,262	3,111	9,876	44,153	32,870	3,824	9,741	21,997	6,427	1,047,350

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.1

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</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) Total (Tonnes)
	Nama Tempatan <i>Local Name</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	790	12	0	3	1,852	0	0	0	0	0	3	0	0	0	2,660
	Puput/B. Mata/Tirok	2,278	74	0	0	4,171	0	2	0	0	0	0	0	0	0	6,525
	Terubok	4	0	0	0	41	0	0	0	0	0	0	0	0	0	45
25	Siakap	9	0	0	1	9	0	11	5	12	0	42	0	0	0	89
31	Lidah	2,281	0	0	25	359	0	0	2	0	7	10	0	0	0	2,684
33	Sebelah	882	0	0	0	18	0	0	13	0	0	0	0	0	0	913
	Bayan	21	0	0	0	0	0	0	38	8	0	0	0	0	0	67
	Biji Nangka	4,923	0	0	0	4	0	0	88	0	0	0	0	0	0	5,015
	Daun Baharu	149	0	0	2	32	0	0	8	0	0	0	0	0	0	191
	Delah/Pinang-Pinang	14	0	0	0	3	0	0	72	4	0	0	0	0	0	93
	Duri/Pulutan/Utik	6,052	137	0	61	1,554	0	6	25	758	13	279	0	0	0	8,885
	Dengkis/Debam	330	1	0	0	12	4	6	272	1	0	0	0	0	0	626
	Gelama/Tengkerong/Selampai	8,924	236	59	253	3,498	1	30	20	67	42	63	0	0	0	13,193
	Gerut-Gerut	452	0	0	1	92	0	3	32	100	0	1	0	0	0	681
	Jenahak	167	8	0	1	43	0	2	135	179	0	0	0	0	0	535
	Kaci	383	0	0	0	0	0	0	165	135	0	0	0	0	0	683
	Kerapu	2,343	0	0	3	32	0	1	736	561	0	0	0	0	0	3,676
	Kerisi	20,877	0	0	0	598	1	0	3,249	1,230	0	0	0	0	0	25,955
	Kerisi Bali	1,488	0	0	0	4	0	0	397	55	0	0	0	0	0	1,944
	Kikek	676	4	30	0	24	0	3	3	0	0	0	0	0	0	740
	Malong	1,130	0	0	0	277	0	0	20	374	0	0	0	0	0	1,801
	Merah	1,358	14	0	0	25	0	1	376	681	0	0	0	0	0	2,455
	Mengkerong/Conor/Ubi-Ubi	6,207	0	0	0	94	0	0	96	0	0	0	0	0	0	6,397
	Remong/Kunyit-Kunyit/Tanda	1,583	0	0	0	25	2	2	401	152	0	0	0	0	0	2,165
	Semilang	155	0	0	5	177	0	3	160	74	0	369	0	0	0	943
	Shrumbu/Lemah	1,205	0	0	0	0	0	0	0	0	0	0	0	0	0	1,205
	Puntong Damar/Bulus	1,600	0	0	1	291	0	0	0	70	0	1	0	0	0	1,963
	Pasir-Pasir/Timun-Timun	457	0	0	0	27	0	0	390	4	0	0	0	0	0	878
	Alu-Alu/Kacang-Kacang	1,490	56	0	9	203	2	26	49	138	0	0	0	0	0	1,973
34	Aruan Tasik	251	34	0	0	40	0	0	56	226	0	0	0	0	0	607
	Bawal	3,125	897	0	1	1,400	49	11	8	0	11	0	0	0	0	5,502

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

	Belanak/Kedera	286	20	0	6	1,124	0	16	0	0	4	79	0	0	0	1,535
	Cermin/Sagai/Cupak	1,138	143	0	0	71	1	7	166	239	0	0	0	0	0	1,765
	Cincaru	3,240	5,016	0	0	438	1	0	0	728	0	0	0	0	0	9,423
	Demudok/Rambai	770	347	0	2	60	9	5	154	433	0	0	0	0	0	1,780
	Kurau/Senangin/Senohong	541	5	0	2	773	0	2	0	41	0	1	0	0	0	1,365
	Pelata/Selar	2,997	8,774	83	0	757	452	0	20	1,568	0	0	0	0	0	14,651
	Selar Kuning/Lolong	8,135	13,871	0	0	177	5,703	1	164	23	0	0	0	0	0	28,074
	Selayang/Curut	3,014	48,754	0	0	20	1,059	0	0	270	0	0	0	0	0	53,117
	Pisang-Pisang	28	233	0	0	35	0	0	6	87	0	0	0	0	0	389
	Talang	360	22	0	2	295	0	4	0	19	0	0	0	0	0	702
35	Bilis/Bunga Air	525	55	19,565	0	0	887	0	0	0	0	0	0	0	0	21,032
	Parang-Parang	1,873	39	31	0	1,818	1	1	0	12	0	0	0	0	0	3,775
	Tamban	1,655	14,814	1,153	0	378	1,050	0	0	79	5	0	0	0	0	19,134
	Bulan-Bulan	12	9	0	0	0	0	0	0	0	0	0	0	0	0	21
36	Aya/Kayu/Tongkol	63	10,236	79	0	1,724	83	0	3	3,764	0	0	0	0	0	15,952
	Layaran/Mersui	41	0	0	0	2	0	0	0	38	0	0	0	0	0	81
37	Kembong/Temenong/Pelaling	12,381	20,729	12	0	16,007	8	0	0	589	0	0	0	0	0	49,726
	Tenggiri	2,173	401	0	0	3,433	0	0	3	2,748	0	0	0	0	0	8,758
	Timah/Layor/Selayor	4,994	75	41	0	467	1	2	0	8	2	0	0	0	0	5,590
38	Pari	7,520	1	0	12	1,290	0	2	116	1,906	1	0	0	0	0	10,848
	Yu	1,498	1	0	0	453	0	0	15	212	0	0	0	0	0	2,179
39	Ikan Baja	248,475	5,774	157	4,700	4,781	0	6	0	0	4,245	604	1,178	0	0	269,920
	Ikan Campur	15,507	617	11	45	2,807	8	84	277	87	134	55	0	0	0	19,632
	Jebong	1,710	0	0	25	0	0	0	258	0	0	0	0	0	0	1,993
42	Ketam	2,365	0	0	24	1,401	0	1	275	1	16	252	3	0	567	4,905
45	Udang Karang/Lobok	833	0	0	0	45	0	0	1	0	0	0	0	0	6	885
	Udang Putih	1,721	2	0	78	3,544	0	13	0	0	291	25	448	0	35	6,157
	Udang Minyak	11,451	0	0	3,871	209	0	0	0	0	1,521	3	12	0	0	17,067
	Udang Merah Ros	3,889	0	0	229	570	0	0	0	0	103	54	0	0	0	4,845
	Udang Kulit Keras	2,139	0	0	856	119	0	0	0	0	463	0	271	0	0	3,848
	Udang Harimau	271	0	0	1	15	0	7	0	0	8	0	5	0	0	307
	Lain-Lain Jenis Udang	14,620	235	0	7,688	2,839	0	44	0	0	1,765	99	1,515	0	14	28,819
	Udang Baring	0	0	0	176	0	0	461	0	0	18,148	0	981	0	0	19,766
56	Siput/Kepah/Kupang/Tiram	11	0	0	0	0	0	0	0	0	0	0	0	18,424	0	18,435
57	Sotong Kereta	287	0	0	24	0	0	0	3	0	21	0	4	0	0	339
	Sotong Katak	13,403	0	0	44	74	5	0	249	21	53	0	2	0	0	13,851
	Sotong Biasa	23,257	1,742	0	5	30	1,014	0	181	1,620	13	0	0	0	0	27,862
76	Ubur-Ubur	466	0	0	0	7	0	0	0	0	1,439	0	0	0	89	2,001
	Jumlah Tan M/Total Tonnes	465,253	133,388	21,221	18,156	60,668	10,341	763	8,707	19,322	28,305	1,940	4,419	18,424	711	791,618

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1993
 (Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.2

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</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>
	Nama Tempatan <i>Local Name</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	765	12	0	3	1,850	0	0	0	0	0	3	0	0	0	2,633
	Puput/B. Mata/Tirok	2,006	74	0	0	4,144	0	1	0	0	0	0	0	0	0	6,225
	Terubok	4	0	0	0	41	0	0	0	0	0	0	0	0	0	45
25	Siakap	5	0	0	1	9	0	3	3	10	0	42	0	0	0	73
31	Lidah	2,014	0	0	25	347	0	0	0	0	7	10	0	0	0	2,403
33	Sebelah	328	0	0	0	4	0	0	0	0	0	0	0	0	0	332
	Bayan	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Biji Nangka	1,954	0	0	0	4	0	0	0	0	0	0	0	0	0	1,958
	Daun Baharu	33	0	0	1	31	0	0	2	0	0	0	0	0	0	67
	Delah/Pinang-Pinang	0	0	0	0	3	0	0	2	0	0	0	0	0	0	5
	Duri/Pulutan/Utik	2,191	7	0	61	1,393	0	3	9	332	10	279	0	0	0	4,285
	Dengkis/Debam	91	1	0	0	6	0	0	36	0	0	0	0	0	0	134
	Gelama/Tengkerong/Selampai	7,069	11	0	253	3,157	0	8	0	29	41	63	0	0	0	10,631
	Gerut-Gerut	308	0	0	1	77	0	3	22	89	0	1	0	0	0	501
	Jenahak	138	8	0	1	42	0	2	131	174	0	0	0	0	0	496
	Kaci	36	0	0	0	0	0	0	98	5	0	0	0	0	0	139
	Kerapu	1,532	0	0	3	27	0	0	444	160	0	0	0	0	0	2,166
	Kerisi	10,804	0	0	0	82	0	0	0	0	0	0	0	0	0	10,886
	Kerisi Bali	434	0	0	0	2	0	0	8	30	0	0	0	0	0	474
	Kikek	161	0	0	0	0	0	3	0	0	0	0	0	0	0	164
	Malong	988	0	0	0	276	0	0	0	371	0	0	0	0	0	1,635
	Merah	446	0	0	0	21	0	1	111	35	0	0	0	0	0	614
	Mengkerong/Conor/Ubi-Ubi	4,429	0	0	0	92	0	0	0	0	0	0	0	0	0	4,521
	Remong/Kunyit-Kunyit/Tanda	262	0	0	0	0	0	1	10	13	0	0	0	0	0	286
	Semilang	131	0	0	5	177	0	0	160	74	0	369	0	0	0	916
	Shrumbu/Lemah	1,202	0	0	0	0	0	0	0	0	0	0	0	0	0	1,202
	Puntong Damar/Bulus	908	0	0	1	202	0	0	0	66	0	1	0	0	0	1,178
	Pasir-Pasir/Timun-Timun	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
	Alu-Alu/Kacang-Kacang	825	6	0	9	144	0	23	0	29	0	0	0	0	0	1,036
34	Aruan Tasik	83	1	0	0	33	0	0	2	12	0	0	0	0	0	131
	Bawal	2,912	327	0	1	1,372	0	11	0	0	8	0	0	0	0	4,631

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

	Belanak/Kedera	283	20	0	6	1,089	0	0	0	0	4	79	0	0	0	1,481
	Cermin/Sagai/Cupak	200	0	0	0	32	0	6	5	1	0	0	0	0	0	244
	Cincaru	2,192	2,255	0	0	277	0	0	0	0	0	0	0	0	0	4,724
	Demudok/Rambai	638	59	0	2	42	0	5	5	20	0	0	0	0	0	771
	Kurau/Senangin/Senohong	451	4	0	2	771	0	2	0	41	0	1	0	0	0	1,272
	Pelata/Selar	1,820	1,915	0	0	109	0	0	0	0	0	0	0	0	0	3,844
	Selar Kuning/Lolong	1,905	1,031	0	0	9	0	1	0	0	0	0	0	0	0	2,946
	Selayang/Curut	2,084	8,415	0	0	8	0	0	0	0	0	0	0	0	0	10,507
	Pisang-Pisang	2	225	0	0	35	0	0	0	0	0	0	0	0	0	262
	Talang	300	10	0	2	253	0	2	0	12	0	0	0	0	0	579
35	Bilis/Bunga Air	265	51	12,486	0	0	0	0	0	0	0	0	0	0	0	12,802
	Parang-Parang	1,480	1	0	0	967	0	1	0	0	0	0	0	0	0	2,449
	Tamban	1,634	3,025	0	0	364	0	0	0	0	0	0	0	0	0	5,023
	Bulan-Bulan	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
36	Aya/Kayu/Tongkol	37	4,795	0	0	625	0	0	0	3	0	0	0	0	0	5,460
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	10,822	10,922	0	0	14,355	0	0	0	5	0	0	0	0	0	36,104
	Tenggiri	1,575	135	0	0	2,684	0	0	1	16	0	0	0	0	0	4,411
	Timah/Layor/Selayor	3,991	6	0	0	123	0	2	0	0	1	0	0	0	0	4,123
38	Pari	3,910	0	0	12	429	0	0	80	1,176	1	0	0	0	0	5,608
	Yu	539	0	0	0	90	0	0	3	62	0	0	0	0	0	694
39	Ikan Baja	137,061	4,815	15	4,672	4,745	0	6	0	0	3,744	604	1,178	0	0	156,840
	Ikan Campur	6,482	484	0	44	2,174	0	41	13	26	98	55	0	0	0	9,417
	Jebong	1,413	0	0	23	0	0	0	135	0	0	0	0	0	0	1,571
42	Ketam	1,494	0	0	24	1,341	0	0	72	0	14	252	3	0	503	3,703
45	Udang Karang/Lobok	27	0	0	0	0	0	0	0	0	0	0	0	0	0	27
	Udang Putih	1,237	2	0	78	3,365	0	13	0	0	272	25	448	0	35	5,475
	Udang Minyak	10,412	0	0	3,870	198	0	0	0	0	1,455	3	12	0	0	15,950
	Udang Merah Ros	2,774	0	0	229	519	0	0	0	0	72	54	0	0	0	3,648
	Udang Kulit Keras	1,736	0	0	841	116	0	0	0	0	463	0	271	0	0	3,427
	Udang Harimau	78	0	0	1	8	0	0	0	0	5	0	5	0	0	97
	Lain-Lain Jenis Udang	12,934	200	0	7,669	2,804	0	41	0	0	1,727	99	1,515	0	5	26,994
	Udang Baring	0	0	0	0	0	0	461	0	0	15,868	0	981	0	0	17,310
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	18,424	0	18,424
57	Sotong Kereta	174	0	0	24	0	0	0	0	0	21	0	4	0	0	223
	Sotong Katak	5,985	0	0	40	74	0	0	129	0	53	0	2	0	0	6,283
	Sotong Biasa	11,873	87	0	5	20	0	0	44	0	12	0	0	0	0	12,041
76	Ubur-Ubur	466	0	0	0	7	0	0	0	0	1,439	0	0	0	89	2,001
	Jumlah Tan M/Total Tonnes	270,343	38,904	12,501	17,909	51,172	0	640	1,525	2,791	25,315	1,940	4,419	18,424	632	446,515

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1993
(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>		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) Total (Tonnes)
	Nama Tempatan <i>Local Name</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	25	0	0	0	2	0	0	0	0	0	0	0	0	0	27
	Puput/B. Mata/Tirok	272	0	0	0	27	0	1	0	0	0	0	0	0	0	300
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	4	0	0	0	0	0	8	2	2	0	0	0	0	0	16
31	Lidah	267	0	0	0	12	0	0	2	0	0	0	0	0	0	281
	Sebelah	554	0	0	0	14	0	0	13	0	0	0	0	0	0	581
33	Bayan	18	0	0	0	0	0	0	38	8	0	0	0	0	0	64
	Biji Nangka	2,969	0	0	0	0	0	0	88	0	0	0	0	0	0	3,057
	Daun Baharu	116	0	0	1	1	0	0	6	0	0	0	0	0	0	124
	Delah/Pinang-Pinang	14	0	0	0	0	0	0	70	4	0	0	0	0	0	88
	Duri/Pulutan/Utik	3,861	130	0	0	161	0	3	16	426	3	0	0	0	0	4,600
	Dengkis/Debam	239	0	0	0	6	4	6	236	1	0	0	0	0	0	492
	Gelama/Tengkerong/Selampai	1,855	225	59	0	341	1	22	20	38	1	0	0	0	0	2,562
	Gerut-Gerut	144	0	0	0	15	0	0	10	11	0	0	0	0	0	180
	Jenahak	29	0	0	0	1	0	0	4	5	0	0	0	0	0	39
	Kaci	347	0	0	0	0	0	0	67	130	0	0	0	0	0	544
	Kerapu	811	0	0	0	5	0	1	292	401	0	0	0	0	0	1,510
	Kerisi	10,073	0	0	0	516	1	0	3,249	1,230	0	0	0	0	0	15,069
	Kerisi Bali	1,054	0	0	0	2	0	0	389	25	0	0	0	0	0	1,470
	Kikek	515	4	30	0	24	0	0	3	0	0	0	0	0	0	576
	Malong	142	0	0	0	1	0	0	20	3	0	0	0	0	0	166
	Merah	912	14	0	0	4	0	0	265	646	0	0	0	0	0	1,841
	Mengkerong/Conor/Ubi-Ubi	1,778	0	0	0	2	0	0	96	0	0	0	0	0	0	1,876
	Remong/Kunyit-Kunyit/Tanda	1,321	0	0	0	25	2	1	391	139	0	0	0	0	0	1,879
	Semilang	24	0	0	0	0	0	3	0	0	0	0	0	0	0	27
	Shrumbu/Lemah	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Puntong Damar/Bulus	692	0	0	0	89	0	0	0	4	0	0	0	0	0	785
	Pasir-Pasir/Timun-Timun	457	0	0	0	24	0	0	390	4	0	0	0	0	0	875
34	Alu-Alu/Kacang-Kacang	665	50	0	0	59	2	3	49	109	0	0	0	0	0	937
	Aruan Tasik	168	33	0	0	7	0	0	54	214	0	0	0	0	0	476
	Bawal	213	570	0	0	28	49	0	8	0	3	0	0	0	0	871

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

	Belanak/Kedera	3	0	0	0	35	0	16	0	0	0	0	0	0	0	54
	Cermin/Sagai/Cupak	938	143	0	0	39	1	1	161	238	0	0	0	0	0	1,521
	Cincaru	1,048	2,761	0	0	161	1	0	0	728	0	0	0	0	0	4,699
	Demudok/Rambai	132	288	0	0	18	9	0	149	413	0	0	0	0	0	1,009
	Kurau/Senangin/Senohong	90	1	0	0	2	0	0	0	0	0	0	0	0	0	93
	Pelata/Selar	1,177	6,859	83	0	648	452	0	20	1,568	0	0	0	0	0	10,807
	Selar Kuning/Lolong	6,230	12,840	0	0	168	5,703	0	164	23	0	0	0	0	0	25,128
	Selayang/Curut	930	40,339	0	0	12	1,059	0	0	270	0	0	0	0	0	42,610
	Pisang-Pisang	26	8	0	0	0	0	0	6	87	0	0	0	0	0	127
	Talang	60	12	0	0	42	0	2	0	7	0	0	0	0	0	123
35	Bilis/Bunga Air	260	4	7,079	0	0	887	0	0	0	0	0	0	0	0	8,230
	Parang-Parang	393	38	31	0	851	1	0	0	12	0	0	0	0	0	1,326
	Tamban	21	11,789	1,153	0	14	1,050	0	0	79	5	0	0	0	0	14,111
	Bulan-Bulan	5	9	0	0	0	0	0	0	0	0	0	0	0	0	14
36	Aya/Kayu/Tongkol	26	5,441	79	0	1,099	83	0	3	3,761	0	0	0	0	0	10,492
	Layaran/Mersuji	41	0	0	0	2	0	0	0	38	0	0	0	0	0	81
37	Kembong/Temenong/Pelaling	1,559	9,807	12	0	1,652	8	0	0	584	0	0	0	0	0	13,622
	Tenggiri	598	266	0	0	749	0	0	2	2,732	0	0	0	0	0	4,347
	Timah/Layor/Selayor	1,003	69	41	0	344	1	0	0	8	1	0	0	0	0	1,467
38	Pari	3,610	1	0	0	861	0	2	36	730	0	0	0	0	0	5,240
	Yu	959	1	0	0	363	0	0	12	150	0	0	0	0	0	1,485
39	Ikan Baja	111,414	959	142	28	36	0	0	0	0	501	0	0	0	0	113,080
	Ikan Campur	9,025	133	11	1	633	8	43	264	61	36	0	0	0	0	10,215
	Jebong	297	0	0	2	0	0	0	123	0	0	0	0	0	0	422
42	Ketam	871	0	0	0	60	0	1	203	1	2	0	0	0	64	1,202
45	Udang Karang/Lobok	806	0	0	0	45	0	0	1	0	0	0	0	0	6	858
	Udang Putih	484	0	0	0	179	0	0	0	0	19	0	0	0	0	682
	Udang Minyak	1,039	0	0	1	11	0	0	0	0	66	0	0	0	0	1,117
	Udang Merah Ros	1,115	0	0	0	51	0	0	0	0	31	0	0	0	0	1,197
	Udang Kulit Keras	403	0	0	15	3	0	0	0	0	0	0	0	0	0	421
	Udang Harimau	193	0	0	0	7	0	7	0	0	3	0	0	0	0	210
	Lain-Lain Jenis Udang	1,686	35	0	19	35	0	3	0	0	38	0	0	0	9	1,825
	Udang Baring	0	0	0	176	0	0	0	0	0	2,280	0	0	0	0	2,456
56	Siput/Kepah/Kupang/Tiram	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
57	Sotong Kereta	113	0	0	0	0	0	0	3	0	0	0	0	0	0	116
	Sotong Katak	7,418	0	0	4	0	5	0	120	21	0	0	0	0	0	7,568
	Sotong Biasa	11,384	1,655	0	0	10	1,014	0	137	1,620	1	0	0	0	0	15,821
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	194,910	94,484	8,720	247	9,496	10,341	123	7,182	16,531	2,990	0	0	0	79	345,103

SARAWAK
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEARS GROUP AND SPECIES, 1993
(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 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	2	0	0	0	159	0	5	0	0	0	0	0	0	0	166
	Puput/B. Mata/Tirok	522	0	0	0	658	0	26	0	0	0	0	0	0	0	1,206
	Terubok	0	0	0	0	355	0	0	0	15	0	0	0	0	0	370
25	Siakap	0	0	0	0	18	0	0	0	0	0	1	0	0	0	19
31	Lidah	71	0	0	0	4	0	0	0	0	0	0	0	0	0	75
	Sebelah	161	0	0	0	4	0	0	0	0	0	0	0	0	0	165
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	9	0	0	0	7	0	0	0	0	0	0	0	0	0	16
	Daun Baharu	13	0	0	0	19	0	0	0	0	0	0	0	0	0	32
	Delah/Pinang-Pinang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Duri/Pulutan/Utik	1,369	0	0	0	1,115	0	24	0	5	0	4	0	0	0	2,517
	Dengkis/Debam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	2,515	2	0	0	433	0	4	0	2	0	3	0	0	0	2,959
	Gerut-Gerut	5	0	0	0	9	0	0	0	0	0	0	0	0	0	14
	Jenahak	44	0	0	0	21	0	0	0	148	0	0	0	0	0	213
	Kaci	11	0	0	0	2	0	0	0	20	0	0	0	0	0	33
	Kerapu	73	0	0	0	18	0	0	0	215	0	1	0	0	0	307
	Kerisi	372	0	0	0	40	0	0	0	14	0	0	0	0	0	426
	Kerisi Bali	4	0	0	0	2	0	0	0	123	0	0	0	0	0	129
	Kikek	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
	Malong	651	0	0	0	296	0	0	0	0	0	0	0	0	0	947
	Merah	598	0	0	0	37	0	0	0	969	0	0	0	0	0	1,604
	Mengkerong/Ubi/Conor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit/Tanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Semilang	0	0	0	0	35	0	9	0	14	0	2	0	0	0	60
	Shrumbu/Lemah	332	0	0	0	18	0	0	0	0	0	0	0	0	0	350
	Puntung Damar/ Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir/Timun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	243	0	0	0	22	0	0	0	0	0	0	0	0	0	265
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	712	382	0	0	718	0	1	0	0	0	0	382	0	0	2,195

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

	Belanak/Kedera	0	0	0	0	24	0	3	0	0	0	0	0	0	0	27
	Cermin/Sagai/Cupak	394	65	0	0	170	0	9	0	0	0	0	0	0	0	638
	Cincaru	958	395	0	0	281	0	0	0	0	0	0	10	0	0	1,644
	Demudok/Rambai	126	0	0	0	11	0	0	0	0	0	0	0	0	0	137
	Kurau/Senangin/Senohong	45	0	0	0	377	0	4	0	0	0	0	0	0	0	426
	Pelata/Selar	507	866	0	0	104	0	0	0	0	0	0	118	0	0	1,595
	Selar Kuning/Lolong	33	188	0	0	14	0	0	0	0	0	0	11	0	0	246
	Selayang/Curut	22	68	0	0	92	0	0	0	0	0	0	8	0	0	190
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	81	7	0	0	222	0	0	0	2	0	0	0	0	0	312
35	Bilis/Bunga Air	108	0	0	0	1,338	0	94	0	0	79	297	0	0	0	1,916
	Parang-Parang	148	0	0	0	389	0	0	0	0	0	0	0	0	0	537
	Tamban	106	166	0	0	1,257	0	0	0	0	0	0	38	0	0	1,567
	Bulan	0	0	0	0	38	0	0	0	0	0	0	0	0	0	38
36	Aya/Kayu/Tongkol	18	424	0	0	711	0	0	0	358	0	0	0	0	0	1,511
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	1,079	255	0	0	1,736	0	0	0	0	0	0	20	0	0	3,090
	Tenggiri	888	2	0	0	965	0	0	0	148	0	0	0	0	0	2,003
	Timah/Layor/Selayor	771	0	0	0	308	0	0	0	0	0	0	0	0	0	1,079
38	Pari	1,502	0	0	0	337	0	5	0	37	0	0	0	0	0	1,881
	Yu	888	0	0	0	779	0	2	0	10	0	0	0	0	0	1,679
39	Ikan Baja	16,202	0	0	0	27	0	5	0	0	328	0	0	0	0	16,562
	Ikan Campur	6150	78	0	0	882	0	83	0	108	57	436	0	0	0	7,794
	Jebong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Ketam	131	0	0	0	190	0	17	173	0	0	1	0	0	9	521
45	Udang Karang/Lobok	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
	Udang Putih	1,083	0	0	0	1,336	0	0	0	0	22	8	0	0	7	2,456
	Udang Minyak	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	Udang Merah Ros	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Udang Kulit Keras	806	0	0	0	175	0	1	0	23	1,334	0	0	0	0	2,339
	Udang Harimau	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Lain-Lain Jenis Udang	5,189	0	0	0	0	0	9	0	0	0	0	0	0	0	5,198
	Udang Baring	81	0	0	0	164	0	59	0	0	63	0	0	0	0	367
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	119	2	0	121
57	Sotong Kereta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Kalak	145	0	0	0	0	0	0	0	0	0	0	0	0	0	145
	Sotong Biasa	1,677	0	0	0	2	0	0	0	0	0	0	0	0	0	1,679
76	Ubur-Ubur	1,367	0	0	0	156	0	9	0	0	2,682	1,112	4,735	0	0	10,061
	Jumlah Tan M/Total Tonnes	48,309	2,898	0	0	16,075	0	369	173	2,211	4,565	1,865	5,322	119	18	81,924

SABAH
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.5

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</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) Total (Tonnes)
	Nama Tempatan <i>Local Name</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	90	0	0	10	34	2	52	2	0	0	0	0	0	0	190
	Puput/B. Mata/Tirok	534	1	0	0	80	0	0	0	3	0	1	0	0	0	619
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	7	0	0	0	762	0	44	65	616	0	0	0	0	0	1,494
31	Lidah	0	0	0	0	18	0	0	0	0	0	0	0	0	0	18
33	Sebelah	373	0	0	0	27	0	30	0	0	0	0	0	0	0	430
	Bayan	6	0	0	0	7	0	1	0	0	0	0	0	0	0	14
	Biji Nangka	53	0	0	0	0	0	0	0	7	0	0	0	0	0	60
	Dau Baharu	66	0	0	0	2	0	0	0	50	0	0	0	0	1	119
	Delah/Pinang-Pinang	2	0	0	8	255	0	1	6	1,159	0	0	0	0	72	1,503
	Duri/Pulutan/Utik	608	0	0	0	1,888	0	69	39	278	0	3	0	0	0	2,885
	Dengkis/Debam	11	1	0	69	285	0	67	79	30	0	1	0	0	2	545
	Gelama/Tengkerong/Selampai	529	0	0	1	117	0	65	0	0	0	0	0	0	4	716
	Gerut-Gerut	166	0	0	0	41	0	27	0	10	0	0	0	0	0	244
	Jenahak	159	15	0	35	940	0	3	60	1,523	0	0	0	0	5	2,740
	Kaci	2	0	0	0	0	0	0	11	136	0	0	0	0	0	149
	Kerapu	174	1	0	0	790	0	54	101	2,405	0	0	0	0	7	3,532
	Kerisi	2,926	0	0	0	763	0	3	8	246	0	0	0	0	0	3,946
	Kerisi Bali	7	0	0	0	85	0	0	0	499	0	0	0	0	0	591
	Kikek	481	0	0	0	237	16	52	0	1	0	0	0	0	0	787
	Malong	152	0	0	0	0	0	0	0	62	0	0	0	0	0	214
	Merah	183	31	0	0	1,152	0	0	134	1,649	0	4	0	0	0	3,153
	Mengkerong/Conor/Ubi-Ubi	561	0	0	0	0	0	0	0	0	0	0	0	0	0	561
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	11	0	41	65	332	0	0	0	0	0	449
	Semilang	3	0	0	0	728	96	83	108	111	0	0	0	0	1	1,130
	Shrumbu/Lemah	40	0	0	0	88	0	6	0	0	0	0	0	0	0	134
	Puntong Damar/Bulus	0	0	0	0	10	0	0	0	3	0	0	0	0	0	13
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Alu-Alu/Kacang-Kacang	457	112	0	2	216	0	41	0	565	0	0	0	0	9	1,402
34	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	36	11	0	0	1,441	617	50	0	0	0	0	0	0	0	2,155

Samb. Dari Jadual 4.6.5.
(Cont'd From Table 4.6.5.)

	Belanak/Kedera	8	0	0	28	1,352	8	75	0	3	0	2	0	0	1	1,477
	Cermin/Sagai/Cupak	0	0	0	0	1	0	0	0	10	0	0	0	0	0	11
	Cincaru	544	1,163	24	2	655	934	1	0	388	0	0	0	0	4	3,715
	Demudok/Rambai	922	11	0	15	894	51	65	17	1,453	0	4	0	0	27	3,459
	Kurau/Senangin/Senohong	3	0	0	0	1,613	0	49	0	607	0	0	0	0	0	2,272
	Pelata/Selar	126	779	125	0	897	1,103	1	0	747	0	0	0	0	23	3,801
	Selar Kuning/Lolong	171	0	147	0	358	27	0	0	79	0	0	0	0	0	782
	Selayang/Curut	817	2,390	1,115	0	321	6,451	0	0	0	0	0	0	0	0	11,094
	Pisang-Pisang	3	0	0	0	125	0	1	0	111	0	0	0	0	1	241
	Talang	78	5	0	7	937	18	43	0	108	0	0	0	0	0	1,196
35	Bilis/Bunga Air	1	0	335	0	7	1,424	49	0	0	0	0	0	0	0	1,816
	Parang-Parang	5	0	0	0	178	0	0	0	0	0	0	0	0	0	183
	Tamban	0	2,213	33	100	2	3,193	31	0	50	0	0	0	0	0	5,622
	Bulan-Bulan	3	0	0	0	10	0	27	0	0	0	0	0	0	0	40
36	Aya/Kayu/Tongkol	5	6,188	175	1,320	5,724	1,538	0	0	2,186	0	0	0	0	0	17,136
	Layaran/Mersuji	0	0	0	0	201	0	0	0	133	0	0	0	0	0	334
37	Kembong/Temenong/Pelaling	1,609	6,038	828	26	1,240	2,312	34	0	542	0	0	0	0	2	12,631
	Tenggiri	202	134	0	0	4,845	1,575	0	0	2,567	0	0	0	0	0	9,323
	Timah/Layor/Selayor	163	45	0	0	513	17	2	0	25	0	0	0	0	0	765
38	Pari	1,019	2	0	19	149	0	77	0	346	0	2	0	0	0	1,614
	Yu	591	3	0	7	1,149	0	2	0	360	0	0	0	0	0	2,112
39	Ikan Baja	8,144	247	0	0	0	105	17	0	0	0	0	0	0	0	8,513
	Ikan Campur	2,207	1,112	0	534	2,191	427	146	4	1,176	0	2	0	0	16	7,815
	Jebong	173	0	0	0	33	0	0	0	34	0	0	0	0	0	240
42	Ketam	903	0	0	0	149	48	81	92	0	0	0	0	0	2,293	3,566
45	Udang Karang/Lobok	0	0	0	0	0	0	0	0	0	0	0	0	0	94	94
	Udang Putih	4,372	0	0	0	3,388	0	2	0	0	0	0	0	0	293	8,055
	Udang Minyak	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
	Udang Merah Ros	982	0	0	0	2	0	0	0	0	0	0	0	0	0	984
	Udang Kulit Keras	280	0	0	0	2	0	0	0	0	0	0	0	0	0	282
	Udang Harimau	607	0	0	0	14	0	17	0	0	0	0	0	0	0	638
	Lain-Lain Jenis Udang	2,635	0	0	0	211	0	88	92	0	0	0	0	0	5	3,031
	Udang Baring	145	0	0	0	0	0	0	0	0	0	0	0	0	0	145
56	Siput/Kepah/Kupang/Tiram	232	0	0	0	0	0	0	0	0	0	0	0	3,450	2	3,684
57	Sotong Kereta	210	0	0	0	0	35	0	0	0	0	0	0	0	0	245
	Sotong Katak	923	0	0	0	0	0	1	0	26	0	0	0	0	1	951
	Sotong Biasa	2,149	57	0	0	15	0	105	0	428	0	0	0	0	0	2,754
76	Ubur-Ubur	1,392	0	0	0	0	0	0	0	0	0	0	0	4	2,835	4,231
			0													
	Jumlah Tan M/Total Tonnes	39,272	20,559	2,782	2,183	37,153	19,997	1,603	883	21,064	0	19	0	3,454	5,698	154,667

LABUAN
PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 1993
LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 4.6.6

ISSCAAP GROUP NO.	Jenis Ikan <i>Species</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 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) <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>				Belat- Belat <i>Stationary</i>	Bubu <i>Portable</i>							
24	Kebasi/Selangat	29	0	0	0	0	0	0	0	0	0	0	0	0	0	29
	Puput/B. Mata/Tirok	20	0	0	0	42	0	0	0	0	0	0	0	0	0	62
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
33	Sebelah	109	0	0	0	91	0	10	3	0	0	0	0	0	0	213
	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	292	0	0	0	4	0	0	0	0	0	0	0	0	0	296
	Daun Baharu	145	0	0	0	93	0	12	0	0	0	0	0	0	0	250
	Delah/Pinang-Pinang	61	0	0	0	99	0	13	11	102	0	0	0	0	0	286
	Duri/Pulutan/Utik	99	0	0	0	136	0	13	1	0	0	0	0	0	0	249
	Dengkis/Debam	44	0	0	0	248	0	19	6	0	0	0	0	0	0	317
	Gelama/Tengkerong/Selampai	431	0	0	0	0	0	10	0	5	0	0	0	0	0	446
	Gerut-Gerut	71	0	0	0	68	0	133	5	41	0	0	0	0	0	318
	Jenahak	76	0	0	0	0	0	0	11	55	0	0	0	0	0	142
	Kaci	50	0	0	0	46	0	10	7	76	0	0	0	0	0	189
	Kerapu	72	0	0	0	65	0	10	14	200	0	0	0	0	0	361
	Kerisi	429	0	0	0	5	0	0	0	0	0	0	0	0	0	434
	Kerisi Bali	42	0	0	0	0	0	0	0	280	0	0	0	0	0	322
	Kikek	217	0	0	0	96	0	18	0	0	0	0	0	0	0	331
	Malong	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Merah	105	0	0	0	0	0	1	12	313	0	0	0	0	0	431
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	154	0	0	0	93	0	20	11	59	0	0	0	0	0	337
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	42	0	0	0	42	0	9	0	0	0	0	0	0	0	93
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	28	0	0	0	40	0	9	0	0	0	0	0	0	0	77
	Alu-Alu/Kacang-Kacang	136	24	0	0	65	22	5	0	0	0	0	0	0	0	252
34	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	119	20	0	0	7	131	0	0	0	0	0	0	0	0	277

Samb. Dari Jadual 4.6.6.
(Cont. From Table 4.6.6.)

	Belanak/Kedera	0	0	0	0	50	0	9	0	0	0	0	0	0	59
	Cermin/Sagai/Cupak	210	0	0	0	230	0	14	17	176	0	0	0	0	647
	Cincaru	20	146	0	0	357	4	0	0	0	0	0	0	0	527
	Demudok/Rambai	179	0	0	0	52	0	15	0	0	0	0	0	0	246
	Kurau/Senangin/Senohong	11	0	0	0	5	0	3	0	0	0	0	0	0	19
	Pelata/Selar	296	27	0	0	60	89	4	0	0	0	0	0	0	476
	Selar Kuning/Lolong	235	16	0	0	0	103	0	0	0	0	0	0	0	354
	Selayang/Curut	10	132	0	0	1	178	0	0	0	0	0	0	0	321
	Pisang-Pisang	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Talang	0	0	0	0	99	0	0	0	0	0	0	0	0	99
35	Bilis/Bunga Air	0	0	0	21	0	0	0	0	0	0	0	0	0	21
	Parang-Parang	2	0	0	0	1	0	0	0	0	0	0	0	0	3
	Tamban	0	375	0	0	0	238	0	0	0	0	0	0	0	613
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	0	1,040	0	0	341	0	0	0	0	0	0	0	0	1,381
	Layaran/Mersuji	0	0	0	0	54	0	0	0	0	0	0	0	0	54
37	Kembong/Temenong/Pelaling	122	1,576	0	0	583	159	0	0	88	0	0	0	0	2,528
	Tenggiri	321	16	0	0	332	0	0	0	82	0	0	0	0	751
	Timah/Layor/Selayor	0	0	0	0	2	0	0	0	0	0	0	0	0	2
38	Pari	255	0	0	0	0	0	6	0	0	0	0	0	0	261
	Yu	239	0	0	0	85	0	0	0	0	0	0	0	0	324
39	Ikan Baja	1,352	31	0	0	0	0	0	0	0	0	0	0	0	1,383
	Ikan Campur	660	2	0	0	103	0	24	11	79	0	0	0	0	879
	Jebong	49	0	0	0	24	0	3	4	0	0	0	0	0	80
42	Ketam	129	0	0	0	0	0	6	0	0	0	0	0	0	135
45	Udang Karang/Lobok	116	0	0	0	0	0	0	0	0	0	0	0	0	116
	Udang Putih	314	0	0	0	0	0	0	0	0	0	0	0	0	314
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Harimau	143	0	0	0	0	0	0	0	0	0	0	0	0	143
	Lain-Lain Jenis Udang	964	0	0	0	0	0	0	0	0	0	0	0	0	964
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	370	0	0	0	0	0	0	0	0	0	0	0	0	370
	Sotong Biasa	308	19	0	0	0	0	0	0	0	0	0	0	0	327
76	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah Tan M/Total Tonnes	9,108	3,424	0	21	3,619	924	376	113	1,556	0	0	0	0	19,141

JADUAL (TABLE) 4.7

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1993
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1993

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	62,103	10,956	30,889	10,336	7,302	2,620
	Cumulative no. of trips	923,535	185,202	575,333	108,796	47,285	6,919
	Cumulative no. of days	1,173,591	185,434	594,828	194,937	147,408	50,984
	Cumulative no. of hauls	3,624,877	494,745	1,790,416	669,241	506,490	163,985
24	Kebasi/Selangat	790	12	523	191	35	29
	Puput/B. Mata/Tirok	2,278	20	420	753	743	342
	Terubok	4	0	4	0	0	0
25	Siakap	9	0	4	3	1	1
31	Lidah	2,281	160	1,160	512	405	44
	Sebelah	882	19	247	263	247	106
33	Bayan	21	0	8	5	3	5
	Biji Nangka	4,923	18	1,766	1,375	1,244	520
	Daun Baharu	149	5	49	58	29	8
	Delah/Pinang-Pinang	14	0	1	6	4	3
	Duri/Pulutan/Utik	6,052	67	863	1,665	2,725	732
	Dengkis/Debam	330	3	33	78	129	87
	Gelama/Tengkerong/Selampai	8,924	382	2,813	3,493	1,972	264
	Gerut-Gerut	452	6	94	211	98	43
	Jenahak	167	2	22	48	64	31
	Kaci	383	0	59	63	107	154
	Kerapu	2,343	43	386	563	876	475
	Kerisi	20,877	152	3,094	4,577	8,194	4,860
	Kerisi Bali	1,488	6	264	150	433	635
	Kikek	676	9	310	296	35	26
	Malong	1,130	69	438	342	209	72
	Merah	1,358	2	135	239	442	540
	Mengkerong/Conor/Ubi-Ubi	6,207	37	603	1,366	2,616	1,585
	Remong/Kunyit-Kunyit/Tanda	1,583	5	281	431	462	404
	Semilang	155	8	49	34	46	18
	Shrumbu/Lemah	1,205	0	3	54	584	564
	Puntong Damar/Bulus	1,600	67	419	356	663	95
	Pasir-Pasir/Timun-Timun	457	10	161	145	60	81
34	Alu-Alu/Kacang-Kacang	1,490	22	251	531	417	269
	Aruan Tasik	251	1	12	67	99	72
	Bawal	3,125	83	948	1,438	544	112

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

	Belanak/Kedera	286	43	210	27	5	1
	Cermin/Sagai/Cupak	1,138	15	200	277	302	344
	Cencaru	3,240	16	259	1,298	1,202	465
	Demudok/Rambai	770	2	55	279	331	103
	Kurau/Senaingin/Senohong	541	26	165	212	98	40
	Pelata/Selar	2,997	12	134	1,216	1,143	492
	Selar Kuning/Lolong	8,135	44	743	2,408	2,914	2,026
	Selayang/Curut	3,014	2	49	421	1,959	583
	Pisang-Pisang	28	0	2	5	2	19
	Talang	360	3	41	242	68	6
35	Bilis/Bunga Air	525	15	392	52	30	36
	Parang-Parang	1,873	34	477	773	471	118
	Tamban	1,655	20	815	556	243	21
	Bulan-Bulan	12	0	0	2	4	6
36	Aya/Kayu/Tongkol	63	0	0	30	16	17
	Layaran/Mersuji	41	2	12	10	15	2
37	Kembong/Temenong/Pelaling	12,381	98	1,209	5,615	4,272	1,187
	Tenggiri	2,173	24	293	805	751	300
	Timah/Layor/Selayor	4,994	46	621	1,449	2,056	822
38	Pari	7,520	373	1,788	2,186	2,364	809
	Yu	1,498	41	208	485	524	240
39	Ikan Baja	248,475	11,998	56,398	73,913	67,736	38,430
	Ikan Campur	15,507	417	2,662	2,671	3,969	5,788
	Jebong	1,710	0	10	606	846	248
42	Ketam	2,365	197	1,061	605	370	132
45	Udang Karang/Lobok	833	32	248	182	177	194
	Udang Putih	1,721	264	1,248	165	39	5
	Udang Minyak	11,451	1,653	9,538	243	17	0
	Udang Merah Ros	3,889	890	2,397	404	181	17
	Udang Kulit Keras	2,139	578	1,483	67	2	9
	Udang Harimau	271	49	92	72	49	9
	Lain-Lain Jenis Udang	14,620	2,488	10,557	951	552	72
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	11	0	3	7	1	0
57	Sotong Kereta	287	62	66	64	58	37
	Sotong Katak	13,403	350	2,450	3,982	4,503	2,118
	Sotong Biasa	23,257	324	3,667	7,600	8,450	3,216
76	Ubur-Ubur	466	107	359	0	0	0
	Jumlah Tan M./Total Tonnes	465,253	21,433	115,332	129,193	129,206	70,089

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 SPESIES IKAN, 1993
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1993

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	47,273	8,117	25,676	7,313	5,162	1,005
	Cumulative no. of trips	783,960	140,158	505,683	95,560	39,631	2,928
	Cumulative no. of days	923,049	140,155	515,329	141,577	106,524	19,464
	Cumulative no. of hauls	2,489,980	313,921	1,319,602	431,310	360,895	64,252
24	Kebasi/Selangat	765	11	522	185	33	14
	Puput/B. Mata/Tirok	2,006	20	344	749	727	166
	Terubok	4	0	4	0	0	0
25	Siakap	5	0	4	1	0	0
31	Lidah	2,014	141	1,008	453	375	37
	Sebelah	328	9	53	107	133	26
33	Bayan	3	0	0	3	0	0
	Biji Nangka	1,954	15	92	685	1,057	105
	Daun Baharu	33	0	8	15	8	2
	Delah/Pinang-Pinang	0	0	0	0	0	0
	Duri/Pulutan/Utik	2,191	25	255	1,002	698	211
	Dengkis/Debam	91	0	0	8	69	14
	Gelama/Tengkerong/Selampai	7,069	241	2,008	2,906	1,706	208
	Gerut-Gerut	308	5	34	161	87	21
	Jenahak	138	2	21	45	55	15
	Kaci	36	0	0	7	27	2
	Kerapu	1,532	37	223	421	699	152
	Kerisi	10,804	85	975	2,274	5,944	1,526
	Kerisi Bali	434	6	39	37	274	78
	Kikek	161	1	2	149	7	2
	Malong	988	60	422	311	159	36
	Merah	446	0	19	84	265	78
	Mengkerong/Conor/Ubi-Ubi	4,429	29	145	849	2,384	1,022
	Remong/Kunyit-Kunyit/Tanda	262	1	0	78	156	27
	Semilang	131	8	48	22	38	15
	Shrumbu/Lemah	1,202	0	0	54	584	564
	Puntong Damar/Bulus	908	19	157	156	529	47
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	825	14	125	327	293	66
	Aruan Tasik	83	0	6	19	50	8
	Bawal	2,912	75	906	1,366	491	74

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

	Belanak/Kedera	283	43	209	27	4	0
	Cermin/Sagai/Cupak	200	9	78	45	64	4
	Cencaru	2,192	11	229	981	827	144
	Demudok/Rambai	638	2	32	242	298	64
	Kurau/Senangin/Senohong	451	8	146	192	80	25
	Pelata/Selar	1,820	5	85	873	766	91
	Selar Kuning/Lolong	1,905	12	69	510	1,090	224
	Selayang/Curut	2,084	0	5	288	1,730	61
	Pisang-Pisang	2	0	0	1	1	0
	Talang	300	3	37	207	50	3
35	Bilis/Bunga Air	265	12	252	1	0	0
	Parang-Parang	1,480	25	397	623	377	58
	Tamban	1,634	20	805	553	243	13
	Bulan-Bulan	7	0	0	2	4	1
36	Aya/Kayu/Tongkol	37	0	0	26	9	2
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	10,822	31	1,114	5,222	3,898	557
	Tenggiri	1,575	14	262	628	575	96
	Timah/Layor/Selayor	3,991	31	277	1,293	1,814	576
38	Pari	3,910	168	726	985	1,564	467
	Yu	539	5	61	194	233	46
39	Ikan Baja	137,061	7,550	35,484	41,129	40,176	12,722
	Ikan Campur	6,482	408	1,453	776	1,952	1,893
	Jebong	1,413	0	1	559	769	84
42	Ketam	1,494	103	853	351	161	26
45	Udang Karang/Lobok	27	1	0	12	11	3
	Udang Putih	1,237	134	987	96	18	2
	Udang Minyak	10,412	1,202	9,060	144	6	0
	Udang Merah Ros	2,774	493	1,866	274	134	7
	Udang Kulit Keras	1,736	445	1,278	3	1	9
	Udang Harimau	78	2	14	30	24	8
	Lain-Lain Jenis Udang	12,934	2,147	10,046	520	173	48
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	174	47	59	41	24	3
	Sotong Katak	5,985	183	1,131	1,687	2,408	576
	Sotong Biasa	11,873	141	1,505	4,262	5,007	958
76	Ubur-Ubur	466	107	359	0	0	0
	Jumlah Tan M./Total Tonnes	270,343	14,166	76,300	75,251	81,339	23,287

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 SPESIES IKAN, 1993
 FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 1993

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	14,830	2,839	5,213	3,023	2,140	1,615
	Cumulative no. of trips	139,575	45,044	69,650	13,236	7,654	3,991
	Cumulative no. of days	250,542	45,279	79,499	53,360	40,884	31,520
	Cumulative no. of hauls	1,134,897	180,824	470,814	237,931	145,595	99,733
24	Kebasi/Selangat	25	1	1	6	2	15
	Puput/B. Mata/Tirok	272	0	76	4	16	176
	Terubok	0	0	0	0	0	0
25	Siakap	4	0	0	2	1	1
31	Lidah	267	19	152	59	30	7
	Sebelah	554	10	194	156	114	80
33	Bayan	18	0	8	2	3	5
	Biji Nangka	2,969	3	1,674	690	187	415
	Daun Baharu	116	5	41	43	21	6
	Delah/Pinang-Pinang	14	0	1	6	4	3
	Duri/Pulutan/Utik	3,861	42	608	663	2,027	521
	Dengkis/Debam	239	3	33	70	60	73
	Gelama/Tengkerong/Selampai	1,855	141	805	587	266	56
	Gerut-Gerut	144	1	60	50	11	22
	Jenahak	29	0	1	3	9	16
	Kaci	347	0	59	56	80	152
	Kerapu	811	6	163	142	177	323
	Kerisi	10,073	67	2,119	2,303	2,250	3,334
	Kerisi Bali	1,054	0	225	113	159	557
	Kikek	515	8	308	147	28	24
	Malong	142	9	16	31	50	36
	Merah	912	2	116	155	177	462
	Mengkerong/Conor/Ubi-Ubi	1,778	8	458	517	232	563
	Remong/Kunyit-Kunyit/Tanda	1,321	4	281	353	306	377
	Semilang	24	0	1	12	8	3
	Shrumbu/Lemah	3	0	3	0	0	0
	Puntong Damar/Bulus	692	48	262	200	134	48
	Pasir-Pasir/Timun-Timun	457	10	161	145	60	81
34	Alu-Alu/Kacang-Kacang	665	8	126	204	124	203
	Arvan Tasik	168	1	6	48	49	64
	Bawal	213	8	42	72	53	38

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

	Belanak/Kedera	3	0	1	0	1	1
	Cemin/Sagai/Cupak	938	6	122	232	238	340
	Cencaru	1,048	5	30	317	375	321
	Demudok/Rambai	132	0	23	37	33	39
	Kurau/Senangin/Senohong	90	18	19	20	18	15
	Pelata/Selar	1,177	7	49	343	377	401
	Selar Kuning/Lolong	6,230	32	674	1,898	1,824	1,802
	Selayang/Curut	930	2	44	133	229	522
	Pisang-Pisang	26	0	2	4	1	19
	Talang	60	0	4	35	18	3
35	Bilis/Bunga Air	260	3	140	51	30	36
	Parang-Parang	393	9	80	150	94	60
	Tamban	21	0	10	3	0	8
	Bulan-Bulan	5	0	0	0	0	5
36	Aya/Kayu/Tongkol	26	0	0	4	7	15
	Layaran/Mersuji	41	2	12	10	15	2
37	Kembong/Temenong/Pelaling	1,559	67	95	393	374	630
	Tenggiri	598	10	31	177	176	204
	Timah/Layor/Selayor	1,003	15	344	156	242	246
38	Pari	3,610	205	1,062	1,201	800	342
	Yu	959	36	147	291	291	194
39	Ikan Baja	111,414	4,448	20,914	32,784	27,560	25,708
	Ikan Campur	9,025	9	1,209	1,895	2,017	3,895
	Jebong	297	0	9	47	77	164
42	Ketam	871	94	208	254	209	106
45	Udang Karang/Lobok	806	31	248	170	166	191
	Udang Putih	484	130	261	69	21	3
	Udang Minyak	1,039	451	478	99	11	0
	Udang Merah Ros	1,115	397	531	130	47	10
	Udang Kulit Keras	403	133	205	64	1	0
	Udang Harimau	193	47	78	42	25	1
	Lain-Lain Jenis Udang	1,686	341	511	431	379	24
	Udang Baring	0	0	0	0	0	0
56	Siput/Kepah/Kupang/Tiram	11	0	3	7	1	0
57	Sotong Kereta	113	15	7	23	34	34
	Sotong Katak	7,418	167	1,319	2,295	2,095	1,542
	Sotong Biasa	11,384	183	2,162	3,338	3,443	2,258
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	194,910	7,267	39,032	53,942	47,867	46,802

JADUAL (TABLE) 4.8

SEMANANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT MENGIKUT KELAS MUATAN DAN SPESIES IKAN, 1993
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1993

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	6,266	55	1,201	1,302	2,640	1,068
	Cumulative No. of trips	67,191	1,030	18,502	18,108	25,988	3,563
	Cumulative No. of days	100,298	1,030	18,885	20,501	42,558	17,324
	Cumulative No. of hauls	230,467	7,615	64,784	59,270	75,263	23,535
24	Kebasi/Selangat	12	1	0	11	0	0
	Puput/B. Mata/Tirok	74	0	0	0	69	5
	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	0	0	0	0	0	0
	Duri/Pulutan/Utik	137	1	3	21	112	0
	Dengkis/Debam	1	0	0	0	1	0
	Gelama/Tengkerong/Selampai	236	9	227	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	8	0	0	0	0	8
	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	4	0	0	0
	Malong	0	0	0	0	0	0
	Merah	14	0	0	0	0	14
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	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	56	1	11	7	26	11
	Aruan Tasik	34	0	0	1	33	0

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

	Bawal	897	14	94	172	301	316
	Belanak/Kedera	20	0	2	18	0	0
	Cermin/Sagai/Cupak	143	0	24	5	40	74
	Cencaru	5,016	0	1,045	651	1,891	1,429
	Demudok/Rambai	347	0	60	61	115	111
	Kurau/Senangin/Senohong	5	3	1	1	0	0
	Pelata/Selar	8,774	0	2,245	2,121	3,270	1,138
	Selar Kuning/Lolong	13,871	0	3,584	2,510	5,278	2,499
	Selayang/Curut	48,754	0	4,636	6,157	15,211	22,750
	Pisang-Pisang	233	0	1	28	182	22
	Talang	22	0	11	9	1	1
35	Bilis/Bunga Air	55	0	4	51	0	0
	Parang-Parang	39	0	28	7	4	0
	Tamban	14,814	0	4,605	2,855	6,481	873
	Bulan-Bulan	9	0	4	4	1	0
36	Aya/Kayu/Tongkol	10,236	0	631	786	5,235	3,584
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	20,729	13	3,242	5,976	9,277	2,221
	Tenggiri	401	1	32	46	283	39
	Timah/Layor/Selayor	75	0	37	9	27	2
38	Pari	1	0	1	0	0	0
	Yu	1	0	0	0	0	1
39	Ikan Baja	5,774	2,042	359	1,449	366	1,558
	Ikan Campur	617	2	2	64	154	395
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih	2	2	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	235	0	0	175	60	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	1,742	0	386	243	1,096	17
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	133,388	2,089	21,279	23,438	49,514	37,068

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, 1993
FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1993

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	2,453	55	17	660	1,425	296
	Cumulative No. of trips	28,797	1,030	320	11,697	14,580	1,170
	Cumulative No. of days	43,889	1,030	320	11,697	25,715	5,127
	Cumulative No. of hauls	70,800	7,615	1,720	26,243	31,670	3,552
24	Kebasi/Selangat	12	1	0	11	0	0
	Puput/B. Mata/Tirok	74	0	0	0	69	5
	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	0	0	0	0	0	0
	Duri/Pulutan/Utik	7	1	0	4	2	0
	Dengkis/Debam	1	0	0	0	1	0
	Gelama/Tengkerong/Selampai	11	9	2	0	0	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	8	0	0	0	0	8
	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	0	0	0	0	0	0
	Malong	0	0	0	0	0	0
	Merah	0	0	0	0	0	0
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	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	6	1	0	0	5	0
	Aruan Tasik	1	0	0	1	0	0

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

	Bawal	327	14	1	98	188	26
	Belanak/Kedera	20	0	2	18	0	0
	Cermin/Sagai/Cupak	0	0	0	0	0	0
	Cencaru	2,255	0	0	195	1,492	568
	Demudok/Rambai	59	0	0	22	35	2
	Kurau/Senangin/Senohong	4	3	0	1	0	0
	Pelata/Selar	1,915	0	0	506	1,138	271
	Selar Kuning/Lolong	1,031	0	0	179	592	260
	Selayang/Curut	8,415	0	0	1,678	3,699	3,038
	Pisang-Pisang	225	0	0	22	181	22
	Talang	10	0	4	5	1	0
35	Bilis/Bunga Air	51	0	0	51	0	0
	Parang-Parang	1	0	0	0	1	0
	Tamban	3,025	0	8	700	2,001	316
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	4,795	0	0	231	3,558	1,006
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	10,922	13	36	3,853	5,688	1,332
	Tenggiri	135	1	0	19	90	25
	Timah/Layor/Selayor	6	0	1	0	3	2
38	Pari	0	0	0	0	0	0
	Yu	0	0	0	0	0	0
39	Ilkan Baja	4,815	2,042	359	1,438	324	652
	Ilkan Campur	484	2	1	53	85	343
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih	2	2	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	200	0	0	152	48	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	87	0	0	42	28	17
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	38,904	2,089	414	9,279	19,229	7,893

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, 1993
 FISHING EFFORTS AND LANDINGS OF FISH PURSE SEINES BY TONNAGE CLASS AND SPECIES, 1993

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	3,813	0	1,184	642	1,215	772
	Cumulative No. of trips	38,394	0	18,182	6,411	11,408	2,393
	Cumulative No. of days	56,409	0	18,565	8,804	16,843	12,197
	Cumulative No. of hauls	159,667	0	63,064	33,027	43,593	19,983
24	Kebasi/Selangat	0	0	0	0	0	0
	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	0	0	0	0	0	0
	Duri/Pulutan/Utik	130	0	3	17	110	0
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	225	0	225	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	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	4	0	4	0	0	0
	Malong	0	0	0	0	0	0
	Merah	14	0	0	0	0	14
	Mengkerong/Conor/Ubi-Ubi	0	0	0	0	0	0
	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	50	0	11	7	21	11
	Aruan Tasik	33	0	0	0	33	0

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

	Bawal	570	0	93	74	113	290
	Belanak/Kedera	0	0	0	0	0	0
	Cermin/Sagai/Cupak	143	0	24	5	40	74
	Cencaru	2,761	0	1,045	456	399	861
	Demudok/Rambai	288	0	60	39	80	109
	Kurau/Senangin/Senohong	1	0	1	0	0	0
	Pelata/Selar	6,859	0	2,245	1,615	2,132	867
	Selar Kuning/Lolong	12,840	0	3,584	2,331	4,686	2,239
	Selayang/Curut	40,339	0	4,636	4,479	11,512	19,712
	Pisang-Pisang	8	0	1	6	1	0
	Talang	12	0	7	4	0	1
35	Bilis/Bunga Air	4	0	4	0	0	0
	Parang-Parang	38	0	28	7	3	0
	Tamban	11,789	0	4,597	2,155	4,480	557
	Bulan-Bulan	9	0	4	4	1	0
36	Aya/Kayu/Tongkol	5,441	0	631	555	1,677	2,578
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	9,807	0	3,206	2,123	3,589	889
	Tenggiri	266	0	32	27	193	14
	Timah/Layor/Selayor	69	0	36	9	24	0
38	Pari	1	0	1	0	0	0
	Yu	1	0	0	0	0	1
39	Ikan Baja	959	0	0	11	42	906
	Ikan Campur	133	0	1	11	69	52
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
45	Udang Karang/Lobok	0	0	0	0	0	0
	Udang Putih	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	35	0	0	23	12	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	1,655	0	386	201	1,068	0
76	Ubur-Ubur	0	0	0	0	0	0
	Jumlah Tan M./Total Tonnes	94,484	0	20,865	14,159	30,285	29,175

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN: BILANGAN TRIP MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 1993
 FISHING EFFORT: NUMBER OF TRIPS BY TYPE OF GEAR AND STATE, 1993

JADUAL (TABLE) 5.1

Jenis Perkakas	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)											Pukat Manyut	Pukat Tangguk	Perangkap- Perangkap Traps		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampai-an
						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	Miscella- neous
Negeri/State																										
Perlis	18,525	42,281	3,304	438	47	0	0	9,072	2,856	820	0	0	0	0	0	0	40,953	0	0	0	0	0	0	1,608	2,821	6,856
Kedah	54,998	38,896	28,080	12,784	458	0	0	0	1,288	165	0	0	0	1,784	11,076	15,921	341,902	0	334	790	18,757	26,260	3,979	3,076	3,904	14,310
P.Pinang/ Penang	0	0	20,921	2,022	127	0	210	1,958	1,942	147	0	0	0	0	0	33,013	342,165	0	0	973	15,781	21,142	19,169	3,560	550	2,902
Perak	17,721	287,283	21,645	14,883	2,170	1,030	110	588	7,336	38	0	0	0	8,164	0	113,803	376,613	0	0	13,212	39,757	22,014	25,743	61,732	4,047	62,701
Selangor	32,972	84,514	20,279	9,504	126	0	0	79	1,158	0	0	0	0	0	0	3,359	233,251	0	1,798	6,822	23,628	37,437	5,004	10,664	0	7,609
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	597	36,569	0	0	1,112	3,182	0	0	0	0	490
Malaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	930	140,044	0	896	176	22,042	0	464	20,250	1,158	986
Johor Barat/ West Johore	15,942	52,709	1,331	0	0	0	0	0	0	0	0	0	0	0	0	190	340,581	0	2,866	1,901	1,840	10,327	852	1,578	0	25,518
Kelantan	0	12,032	959	149	47	0	0	345	510	501	290	58	0	0	0	0	43,241	6,482	17,415	132	8,111	0	0	0	0	17,610
Terengganu	5,394	30,148	1,932	41	404	0	16,837	4,785	3,352	1,316	261	3,456	0	0	0	120	25,903	24,007	0	30,671	110,913	0	0	0	0	0
Pahang	28,415	18,927	6,082	4,069	2,456	0	483	625	4,716	187	0	896	465	300	0	0	77,543	4,081	0	21,654	31,749	0	0	0	0	0
Johor Timur/ East Johore	11,235	8,543	4,263	3,395	1,084	0	862	656	2,830	389	0	0	0	0	0	0	53,674	14	3,757	1,080	13,344	12,553	0	0	0	9,207

* GRT - Gross Relative Tonnage

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN: BILANGAN HARI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 1993
FISHING EFFORT:NUMBER OF FISHING DAYS BY TYPE OF GEAR AND STATE, 1993

JADUAL (TABLE) 5.2

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik (Seine Nets)										Pukat Hanyut	Pukat Tangguk	Perangkap- Perangkap Traps		Pancing	Pukat Bakul	Pukat Rentang	Pukat Surung	Memungut Siput	Rampasan		
						Pukat Jerut Ikan Purse Seine-Fish					Pukat Jerut Bilis Purse Seine-Anchovy							Lain- Lain Tarik	Belat- Belat							Bubu	
	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	Miscella- neous	
Negeri/State																											
Perlis	18,525	51,563	15,989	1,224	390	0	0	9,072	13,863	4,500	0	0	0	0	0	0	93,341	0	0	0	0	0	0	1,608	2,821	6,856	
Kedah	54,998	37,636	41,256	25,276	2,175	0	0	0	1,288	363	0	0	0	1,784	11,076	15,921	341,902	0	304	790	18,757	26,260	3,979	3,076	3,904	14,310	
P.Pinang/ Penang	0	0	20,921	3,373	543	0	210	1,958	1,942	147	0	0	0	0	0	33,013	342,165	0	0	973	15,781	11,482	19,169	3,560	550	2,902	
Perak	17,721	288,394	28,083	58,867	15,810	1,030	110	588	7,464	117	0	0	0	4,082	0	113,803	376,613	0	0	18,424	39,757	22,446	25,743	61,732	4,047	62,701	
Selangor	32,972	84,928	33,996	17,784	546	0	0	79	1,158	0	0	0	0	0	0	3,359	230,707	0	1,798	7,743	23,735	37,437	5,004	10,664	0	7,609	
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	597	36,569	0	0	1,112	3,152	0	0	20,250	0	665	
Malaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	930	140,044	0	372	184	22,042	0	464	20,250	1,158	986	
Johor Barat/ West Johore	15,939	52,808	1,332	0	0	0	0	0	0	0	0	0	0	0	0	190	340,995	0	1,999	3,012	1,780	4,707	852	1,578	0	25,518	
Kelantan	0	13,918	6,543	1,526	935	0	0	1,014	1,646	3,122	290	58	0	0	0	0	44,290	8,417	17,415	1,026	15,819	0	0	0	0	17,610	
Terengganu	5,394	35,108	6,941	246	4,641	0	16,838	6,310	6,649	4,652	261	3,456	0	0	0	120	25,903	26,675	0	48,204	140,606	0	0	0	0	0	
Pahang	28,415	20,580	19,105	18,232	17,398	0	483	625	4,716	2,071	0	896	465	300	0	0	77,543	4,081	0	22,026	34,751	0	0	0	0	0	
Johor Timur/ East Johore	11,470	9,892	20,771	20,880	8,546	0	1,245	855	3,832	2,353	0	0	0	0	0	0	56,485	24	5,166	3,636	21,972	12,553	0	0	0	9,207	

* GRT - Gross Relative Tonnage

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
 USAHA MENANGKAP IKAN: BILANGAN KALI MEMUKAT IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 1993
 FISHING EFFORT: NUMBER OF HAULS BY TYPE OF GEAR AND STATE, 1993

JADUAL (TABLE) 5.3

Jenis Perkakas <i>Type of Gear</i>	Pukat Tunda <i>Trawl Nets</i>					Pukat Tarik (Seine Nets)										Pukat Hanyut <i>Drift/ Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap- Perangkap <i>Traps</i>		Pancing <i>Hooks & Lines</i>	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/ Scoop</i>	Memungut Siput <i>Shellfish Collection</i>	Rampaian <i>Miscellan- eous</i>	
						Pukat Jerut Ikan <i>Purse Seine-Fish</i>					Pukat Jerut Bilis <i>Purse Seine-Anchovy</i>							Lain- Lain Tarik								
	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	Belat- Belat Station- ary							Bubu Portable
Negeri/State																										
Perlis	46,150	148,319	30,562	2,448	537	0	0	19,656	15,636	2,860	0	0	0	0	0	0	230,955	0	0	0	0	0	0	0	13,136	
Kedah	164,994	116,688	146,142	87,540	9,953	0	0	0	2,050	456	0	0	0	2,248	13,780	159,210	526,139	0	182	964	0	47,900	3,979	4,402	431,156	0
P.Pinang/ Penang	0	0	62,748	18,564	1,614	0	620	5,394	2,091	155	0	0	0	0	0	497,541	1,160,882	0	0	976	15,830	21,070	19,133	13,816	550	2,897
Perak	51,329	871,873	106,338	200,719	51,026	7,615	1,100	963	9,031	81	0	0	0	43,498	0	387,037	907,997	0	0	19,734	0	35,154	31,245	373,368	0	0
Selangor	65,958	226,436	113,340	54,072	1,659	0	0	230	2,862	0	0	0	0	0	0	40,557	657,535	0	3,320	12,596	108,295	132,527	5,446	158,964	0	46,624
N.Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,941	94,630	0	0	7,960	4,427	0	0	0	0	1,800
Malaka/ Malacca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,185	152,819	0	930	286	22,042	0	456	20,250	990	1,908
Johor Barat/ West Johore	31,640	104,605	2,742	0	0	0	0	0	0	0	0	0	0	0	0	1,628	1,005,176	0	252	209	0	9,558	852	1,632	0	0
Kelantan	0	60,152	20,443	4,449	2,194	0	0	2,182	3,487	6,827	830	232	0	0	0	0	139,487	27,477	0	0	0	0	0	0	0	105,675
Terengganu	17,007	166,880	26,178	762	15,972	0	59,762	27,602	19,305	9,097	995	18,888	0	0	0	480	64,125	103,781	0	0	0	0	0	0	0	0
Pahang	83,957	63,983	82,564	66,883	56,894	0	1,524	1,875	15,134	823	0	2,688	1,395	900	0	0	231,534	11,666	0	0	0	0	0	0	0	0
Johor Timur/ East Johore	33,710	31,480	78,184	71,053	24,136	0	1,778	1,368	5,667	3,236	0	0	0	0	0	0	183,785	42	3,343	0	0	13,579	0	0	0	0

* GRT - Gross Relative Tonnage

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA PURATA IKAN DIPANTAI MENGIKUT BULAN, 1993
MONTHLY AVERAGE EX-VESSEL PRICES OF FRESH FISH, 1993
Harga Dalam \$/Kg/Prices At \$/Kg

JADUAL (TABLE) 6.1

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, 1993 Average, 1993
Bawal Putih	10.97	10.54	12.76	12.45	12.30	11.62	12.28	12.37	12.89	12.70	12.88	12.85	12.22
Bawal Hitam	6.78	6.39	7.34	6.73	6.47	6.45	6.80	6.32	6.73	6.50	7.04	7.06	6.72
Kerapu	12.61	7.66	7.74	7.75	7.54	7.64	7.54	8.44	8.15	7.94	8.31	8.27	8.30
Tenggiri	6.85	6.67	7.31	6.81	6.78	7.03	7.02	6.92	7.11	7.19	7.19	7.31	7.02
Jenahak	6.96	6.99	7.04	6.98	6.95	7.05	6.55	7.07	7.68	7.75	7.50	7.70	7.19
Merah	5.30	4.92	5.63	5.21	4.79	4.68	4.92	4.97	4.72	5.19	5.20	5.42	5.08
Kaci	3.06	2.83	3.09	3.17	3.00	2.51	2.91	2.89	3.00	3.71	3.06	3.30	3.04
Cermin	3.47	3.44	3.52	3.16	3.23	2.62	3.16	3.33	3.65	3.37	3.67	3.55	3.35
Gelama	1.55	1.51	1.61	1.67	1.56	1.44	1.45	1.50	1.64	1.48	1.56	1.58	1.55
Kembong	2.39	2.44	3.03	2.39	2.49	2.26	2.31	2.29	2.33	2.71	2.62	3.01	2.52
Kerisi	2.05	2.05	2.31	2.04	2.03	1.94	1.91	1.97	2.11	2.01	2.28	2.48	2.10
Selayang	0.97	0.84	1.10	0.89	0.84	0.94	0.88	0.83	0.90	0.86	0.98	1.11	0.93
Tamban	0.84	0.83	0.99	0.86	0.80	0.81	0.96	0.81	0.83	0.81	0.89	0.90	0.86
Selar/Pelata	2.15	2.12	2.46	2.20	2.03	2.04	1.96	2.01	2.13	1.98	2.12	2.49	2.14
Sotong	3.19	2.79	3.21	2.67	2.91	2.86	2.78	2.73	2.72	2.82	3.02	3.12	2.90
Aya/Tongkol	1.96	1.81	2.07	1.97	1.83	1.69	1.85	1.68	1.93	1.95	2.04	2.48	1.94
Udang Putih	18.21	17.24	17.55	16.86	17.22	17.31	16.97	16.89	17.17	17.38	17.59	17.54	17.33
Udang Harimau	20.42	20.78	22.69	21.32	22.01	21.53	20.75	19.67	20.97	21.64	21.87	22.23	21.32
Lain-Lain Udang	6.00	5.52	5.75	4.88	5.97	5.36	5.25	5.44	5.29	4.73	5.76	6.03	5.50

MALAYSIA
NILAI HARGA BORONG PENDARATAN IKAN LAUT, 1993
WHOLESALE VALUE OF MARINE FISH LANDINGS, 1993

JADUAL (TABLE) 7.1

Negeri/State	Gred I Grade 1		Gred II Grade 11		Gred III Grade 111		Udang Prawn		Ikan Baja Manure Fish		Kerang-Kerangan Shellfish		Jumlah Total	
	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM
Perlis	1,063	7,621,710	59	244,850	26,092	56,619,640	2,006	12,256,660	8,107	1,864,610	8,902	20,118,520	46,229	98,725,990
Kedah	1,829	19,113,050	519	1,764,600	36,627	76,184,160	4,171	35,119,820	20,495	4,713,850	9,092	10,546,720	72,733	147,442,200
P. Pinang/Penang	1,433	25,794,000	298	1,436,360	17,049	47,907,690	3,709	32,157,030	11,269	4,056,840	10	18,200	33,768	111,370,120
Perak	4,553	33,601,140	4,837	22,395,310	67,110	153,360,853	33,660	189,772,651	69,168	20,750,400	78	134,160	179,406	420,014,514
Selangor	3,464	36,649,120	1,940	5,800,600	20,789	56,753,970	18,884	73,081,080	44,279	14,612,070	321	285,690	89,677	187,182,530
Negeri Sembilan	223	2,004,770	42	238,560	304	896,800	44	753,720	0	0	0	0	613	3,893,850
Melaka/Malacca	622	6,008,520	53	248,570	880	1,988,800	420	3,259,200	0	0	21	63,000	1,996	11,568,090
Johor Barat/ West Johore	2,238	23,230,440	363	2,141,700	5,936	12,762,400	10,034	39,232,940	3,522	1,127,040	0	0	22,093	78,494,520
Jumlah Kecil	15,425	154,022,750	8,111	34,270,550	174,787	406,474,313	72,928	385,633,101	156,840	47,124,810	18,424	31,166,290	446,515	1,058,691,814
Kelantan	694	3,872,520	269	1,129,800	23,570	45,961,500	318	4,194,420	13,400	2,680,000	11	13,530	38,262	57,851,770
Terengganu	2,769	21,708,960	2,110	13,166,400	96,801	248,778,570	1,575	14,001,750	10,037	2,910,730	0	0	113,292	300,566,410
Pahang	3,696	24,282,720	1,840	7,452,000	59,116	132,041,947	2,545	29,060,839	59,470	12,488,700	0	0	126,667	205,326,206
Johor Timur/ East Johore	1,027	6,860,360	1,012	4,948,680	30,342	64,325,040	4,328	17,571,680	30,173	5,129,410	0	0	66,882	98,835,170
Jumlah Kecil	8,186	56,724,560	5,231	26,696,880	209,829	491,107,057	8,766	64,828,689	113,080	23,208,840	11	13,530	345,103	662,579,556
Sarawak	5,681	38,914,850	4,007	18,712,690	45,156	99,343,200	10,397	70,803,570	16,562	5,631,080	121	347,270	81,924	233,752,660
Sabah	20,205	65,262,150	8,885	23,189,850	100,129	168,216,720	13,251	111,705,930	8,513	1,106,690	3,684	4,862,880	154,667	374,344,220
W.P. Labuan	1,553	6,149,880	1,575	4,835,250	13,093	24,352,980	1,537	13,740,780	1,383	165,960	0	0	19,141	49,244,850
Jumlah Kecil	27,439	110,326,880	14,467	46,737,790	158,378	291,912,900	25,185	196,250,280	26,458	6,903,730	3,805	5,210,150	255,732	657,341,730
JUMLAH/TOTAL	51,050	321,074,190	27,809	107,705,220	542,994	1,189,494,270	106,879	646,712,070	296,378	77,237,380	22,240	36,389,970	1,047,350	2,378,613,100

NOTA/NOTE:

Gred I - Termasuk Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin/Kurau, Tenggiri, Parang, Kerapu dan Jenahak.

(Grade 1) - Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper.

Gred II - Termasuk Terubuk, Puput, Merah, Kaci, Cermin, Demuduk dan Siakap.

(Grade 11) - Includes Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.

Gred III - Lain-Lain Ikan Termasuk Ikan Bilis, Sotong, Keiam dan Ubor-ubor.

(Grade 111) - Other Species Including Anchovy, Squids, Crabs and Jellyfish

MALAYSIA
NILAI HARGA RUNCIT PENDARATAN IKAN LAUT, 1993
RETAIL VALUE OF MARINE FISH LANDINGS, 1993

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	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM	Tan M. Tonnes	RM
Perlis	1,063	8,791,010	59	300,310	26,092	70,970,240	2,006	14,483,320	8,107	1,864,610	8,902	24,836,580	46,229	121,246,070
Kedah	1,829	21,618,780	519	2,226,510	36,627	102,921,870	4,171	40,750,670	20,495	6,148,500	9,092	15,638,240	72,733	189,304,570
P. Pinang/Penang	1,433	28,029,480	298	1,612,180	17,049	59,501,010	3,709	35,828,940	11,269	4,056,840	10	18,200	33,768	129,046,650
Perak	4,553	42,160,780	4,837	29,941,030	67,110	219,008,490	33,660	243,378,240	69,168	29,050,560	78	203,580	179,406	563,742,680
Selangor	3,464	42,226,160	1,940	7,624,200	20,789	74,840,400	18,884	87,999,440	44,279	18,154,390	321	394,830	89,677	231,239,420
Negeri Sembilan	223	2,383,870	42	282,240	304	1,237,280	44	910,360	0	0	0	0	613	4,813,750
Melaka/Malacca	622	7,414,240	53	316,410	880	2,701,600	420	3,931,200	0	0	21	84,000	1,996	14,447,450
Johor Barat/ West Johore	2,238	26,206,980	363	2,602,710	5,936	17,689,280	10,034	47,059,460	3,522	1,127,040	0	0	22,093	94,685,470
Jumlah Kecil	15,425	178,831,300	8,111	44,905,590	174,787	548,870,170	72,928	474,341,630	156,840	60,401,940	18,424	41,175,430	446,515	1,348,526,060
Kelantan	694	4,656,740	269	1,404,180	23,570	60,103,500	318	4,677,780	13,400	2,680,000	11	16,940	38,262	73,539,140
Terengganu	2,769	25,197,900	2,110	15,381,900	96,801	320,411,310	1,575	15,891,750	10,037	2,910,730	0	0	113,292	379,793,590
Pahang	3,696	37,736,160	1,840	10,911,200	59,116	209,902,740	2,545	36,437,730	59,470	13,083,400	0	0	126,667	308,071,230
Johor Timur/ East Johore	1,027	8,739,770	1,012	6,405,960	30,342	94,060,200	4,328	23,068,240	30,173	5,129,410	0	0	66,882	137,403,580
Jumlah Kecil	8,186	76,330,570	5,231	34,103,240	209,829	684,477,750	8,766	80,075,500	113,080	23,803,540	11	16,940	345,103	898,807,540
Sarawak	5,681	66,297,270	4,007	29,852,150	45,156	176,108,400	10,397	100,642,960	16,562	5,631,080	121	471,900	81,924	379,003,760
Sabah	20,205	93,145,050	8,885	35,095,750	100,129	261,336,690	13,251	153,711,600	8,513	1,106,690	3,684	6,152,280	154,667	550,548,060
W.P. Labuan	1,553	10,731,230	1,575	8,898,750	13,093	51,717,350	1,537	20,134,700	1,383	165,960	0	0	19,141	91,647,990
Jumlah Kecil	27,439	170,173,550	14,467	73,846,650	158,378	489,162,440	25,185	274,489,260	26,458	6,903,730	3,805	6,624,180	255,732	1,021,199,810
JUMLAH/TOTAL	51,050	425,335,420	27,809	152,855,480	542,994	1,722,510,360	106,879	828,906,390	296,378	91,109,210	22,240	47,816,550	1,047,350	3,268,533,410

NOTA/NOTE:

Gred I - Termasuk Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin/Kurau, Tenggiri, Parang, Kerapu dan Jenahak.

(Grade I) - Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper.

Gred II - Termasuk Terubuk, Puput, Merah, Kaci, Cermin, Demuduk dan Siakap.

(Grade II) - Includes Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel and Giant Sea Perch.

Gred III - Lain-lain Ikan Termasuk Ikan Bilis, Sotong, Ketam dan Ubor-ubor.

(Grade III) - Other Species Including Anchovy, Squid, Crabs and Jellyfish.

SEMANAJUNG MALAYSIA / PENINSULAR MALAYSIA
NILAI PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN, 1993
VALUE OF MARINE FISH LANDINGS BY GEAR GROUP AND GRADE OF FISH, 1993

JADUAL (TABLE) 7.3

Pendaratan dan Nilai <i>Landings and Values</i>		Pukat Tunda <i>Trawl Nets</i>	Pukat Tarik/Purse Seine		Lain Pukat Tarik <i>Other Seines</i>	Pukat Hanyut <i>Drift/Gill Nets</i>	Pukat Tangguk <i>Lift Nets</i>	Perangkap/Traps		Pancing Hooks and Lines	Pukat Bakul <i>Bag Nets</i>	Pukat Rentang <i>Barrier Nets</i>	Pukat Surung <i>Push/Scoop Nets</i>	Memungut Siput Shellfish Collection	Rampaiian <i>Miscellaneous</i>	Jumlah <i>Total</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>							
Gred I <i>(Grade I)</i>	Tonnes	10,222	1,350	31	7	7,499	50	17	882	3,541	11	1	0	0	0	23,611
	N.B.S	91,317,430	12,042,000	276,520	62,440	66,891,080	446,000	151,640	7,867,440	31,585,720	98,120	8,920	0	0	0	210,747,310
	N.R.S	110,560,670	14,580,000	334,800	75,600	80,989,200	540,000	183,600	9,525,600	38,242,800	118,800	10,800	0	0	0	255,161,870
Gred II <i>(Grade II)</i>	Tonnes	5,940	578	0	3	4,377	10	26	866	1,500	0	42	0	0	0	13,342
	N.B.S	27,214,310	2,635,680	0	13,680	19,959,120	45,600	118,560	3,948,960	6,840,000	0	191,520	0	0	0	60,967,430
	N.R.S	35,188,990	3,421,760	0	17,760	25,911,840	59,200	153,920	5,126,720	8,880,000	0	248,640	0	0	0	79,008,830
Gred III <i>(Grade III)</i>	Tonnes	165,681	125,449	21,033	547	36,670	10,281	189	6,958	14,281	1,750	1,112	9	0	656	384,616
	N.B.S	387,462,820	292,296,170	49,006,890	1,274,510	85,441,100	23,954,730	440,370	16,212,140	33,274,730	4,077,500	2,590,960	20,970	0	1,528,480	897,581,370
	N.R.S	532,755,920	401,436,800	67,305,600	1,750,400	117,344,000	32,899,200	604,800	22,265,600	45,699,200	5,600,000	3,558,400	28,800	0	2,099,200	1,233,347,920
Udang <i>(Prawn)</i>	Tonnes	34,924	237	0	12,899	7,341	0	525	1	0	22,299	181	3,232	0	55	81,694
	N.B.S	193,694,490	1,301,130	0	70,815,510	40,302,090	0	2,882,250	5,490	0	122,421,510	993,690	17,743,680	0	301,950	450,461,790
	N.R.S	238,251,930	1,602,120	0	87,197,240	49,625,160	0	3,549,000	6,760	0	150,741,240	1,223,560	21,848,320	0	371,800	554,417,130
Ikan Baja <i>(Manure Fish)</i>	Tonnes	248,475	5,774	157	4,700	4,781	0	6	0	0	4,245	604	1,178	0	0	269,920
	N.B.S	64,757,950	1,501,240	40,820	1,222,000	1,243,060	0	1,560	0	0	1,103,700	157,040	306,280	0	0	70,333,650
	N.R.S	77,557,530	1,789,940	48,670	1,457,000	1,482,110	0	1,860	0	0	1,315,950	187,240	365,180	0	0	84,205,480
Karang- Karangan <i>(Shellfish)</i>	Tonnes	11	0	0	0	0	0	0	0	0	0	0	0	18,424	0	18,435
	N.B.S	18,605	0	0	0	0	0	0	0	0	0	0	0	31,161,215	0	31,179,820
	N.R.S	24,579	0	0	0	0	0	0	0	0	0	0	0	41,167,791	0	41,192,370
JUMLAH <i>TOTAL</i>	Tonnes	465,253	133,388	21,221	18,156	60,668	10,341	763	8,707	19,322	28,305	1,940	4,419	18,424	711	791,618
	N.B.S	764,465,605	309,776,220	49,324,230	73,388,140	213,836,450	24,446,330	3,594,380	28,034,030	71,700,450	127,700,830	3,942,130	18,070,930	31,161,215	1,830,430	1,721,271,370
	N.R.S	994,339,619	422,830,620	67,689,070	90,498,000	275,352,310	33,498,400	4,493,180	36,924,680	92,822,000	157,775,990	5,228,640	22,242,300	41,167,791	2,471,000	2,247,333,600

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, Kerapu dan Jenahak.
(Grade I) - Includes Chinese Pomfret, Silver Pomfret, Black Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper.
Gred II - Termasuk Terubuk, Pupuk, Merah, Kaci, Cermin, Demuduk dan Siakap.
(Grade II) - Includes Longtail Shad, Shads, Red Snapper, Sweetlip, Horse Mackerel, and Giant Sea Perch.
Gred III - Lain-lain ikan termasuk ikan Bilis, Sotong, Ketam dan Ubor-ubor.
(Grade III) - Other Species Including Anchovy, Squid, Crabs and Jellyfish.

MALAYSIA
SIRI TAHUNAN PENDARATAN IKAN LAUT DAN NILAI, 1989-1993
ANNUAL SERIES OF MARINE FISH LANDINGS AND VALUES, 1989-1993

JADUAL (TABLE) 8.1

NEGERI/STATE	1989		1990		1991		1992		1993	
	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value RM	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value RM	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value RM	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value RM	Kuantiti (Tan M) Quantity (Tonnes)	Nilai Value RM
Pantai Barat (West Coast):										
Perlis	42,360	63,423,110	46,206	85,476,249	33,127	70,416,653	60,673	178,872,470	46,229	98,725,990
Kedah	75,615	109,581,375	86,408	137,585,130	54,888	106,256,917	62,555	132,489,220	72,733	147,442,200
Pulau Pinang/Penang	38,624	74,742,732	52,278	90,541,037	28,416	88,859,213	33,752	104,256,690	33,768	111,370,120
Perak	198,974	355,271,992	219,044	362,321,264	181,234	329,993,401	201,852	410,777,990	179,406	420,014,514
Selangor	112,646	143,954,783	86,966	141,450,098	83,945	181,369,632	98,727	211,912,830	89,677	187,182,530
Negeri Sembilan	221	1,322,125	349	1,761,108	378	2,410,944	413	3,269,270	613	3,893,850
Melaka/Malacca	1,989	10,228,601	2,363	11,680,784	2,053	12,502,349	2,378	17,229,800	1,996	11,568,090
Johor Barat/West Johore	18,905	48,728,895	16,857	51,908,380	17,859	55,755,913	13,645	61,143,640	22,093	78,494,520
Jumlah Kecil/Sub-Total:	489,334	807,253,613	510,471	882,724,050	401,900	847,565,022	473,995	1,119,951,910	446,515	1,058,691,814
Pantai Timur (East Coast):										
Kelantan	32,982	68,109,650	31,557	54,965,632	25,706	52,378,889	24,035	50,261,180	38,262	57,851,770
Terengganu	78,815	169,676,643	97,237	189,605,540	101,457	220,394,790	87,443	215,357,200	113,292	300,566,410
Pahang	68,730	94,653,071	105,369	131,313,709	108,860	154,471,697	111,452	201,107,570	126,667	205,326,206
Johor Timur/East Johore	77,023	94,161,564	75,269	92,338,687	71,664	99,495,378	70,607	112,184,220	66,882	98,835,170
Jumlah Kecil/Sub-Total:	257,550	426,600,928	309,432	468,223,568	307,687	526,740,754	293,537	578,910,170	345,103	662,579,556
Sarawak	84,356	224,540,000	78,878	358,191,660	86,607	193,327,269	88,241	223,589,630	81,924	233,752,660
Sabah	44,000	186,231,000	44,760	230,035,108	108,464	266,899,225	148,000	410,689,270	154,667	374,344,220
W.P. Labuan	7,252	21,195,567	7,766	21,420,888	7,275	18,393,973	19,743	46,814,920	19,141	49,244,850
Jumlah Kecil/Sub-Total:	135,608	431,966,567	131,404	609,647,656	202,346	478,620,467	255,984	681,093,820	255,732	657,341,730
Jumlah Besar/Grand-Total:	882,492	1,665,821,108	951,307	1,960,595,274	911,933	1,852,926,243	1,023,516	2,379,955,900	1,047,350	2,378,613,100

MALAYSIA
KUANTITI DAN PERATUS PENDARATAN SERTA NILAI IKAN LAUT MENGIKUT NEGERI 1993
QUANTITY AND PERCENTAGE OF LANDINGS AND VALUES OF MARINE FISH BY STATE 1993

JADUAL (TABLE) 9.1

Negeri /State	Kuantiti Pendaratan Dalam Tan M Quantity Of Landings (Tonnes)	Peratus Percentage %	Nilai Dalam Ringgit Values In Ringgit	Peratus Percentage %
Pantai Barat (West Coast):				
Perlis	46,229	4.41	98,725,990	4.15
Kedah	72,733	6.94	147,442,200	6.20
Pulau Pinang/Penang	33,768	3.23	111,370,120	4.68
Perak	179,406	17.13	420,014,514	17.66
Selangor	89,677	8.56	187,182,530	7.87
Negeri Sembilan	613	0.06	3,893,850	0.16
Melaka/Malacca	1,996	0.19	11,568,090	0.49
Johor Barat/West Johore	22,093	2.11	78,494,520	3.30
Pantai Timur/East Coast:				
Kelantan	38,262	3.65	57,851,770	2.43
Terengganu	113,292	10.82	300,566,410	12.64
Pahang	126,667	12.09	205,326,206	8.63
Johor Timur/East Johore	66,882	6.39	98,835,170	4.15
Sarawak	81,924	7.82	233,752,660	9.83
Sabah	154,667	14.77	374,344,220	15.74
W.P. Labuan	19,141	1.83	49,244,850	2.07
Jumlah / Total	1,047,350	100.00	2,378,613,100	100.00

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENGUNAAN PENDARATAN IKAN LAUT, 1993
DISPOSITION OF MARINE FISH LANDINGS, 1993

JADUAL (TABLE) 10.1

Aliran Penggunaan Disposition Channel	Pantai Barat/West Coast								Jumlah Kecil Sub-Total	Pantai Timur				Jumlah Kecil Sub-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		
Digunakan secara hidup Disposed alive	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digunakan secara basah Disposed fresh	46,154	29,604	30,736	69,290	34,670	613	1,562	21,323	233,952	37,043	101,451	96,817	34,564	269,875	503,827
Digunakan untuk dibeku Disposed for freezing	0	0	0	2,363	0	0	0	0	2,363	0	0	0	0	0	2,363
Digunakan untuk mengetin Disposed for canning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digunakan untuk diawetkan: Disposed for curing:															
Kering/Masin/Diasap Dried/Salted/Smoked	55	14,537	1,087	6,922	1,804	0	80	436	24,921	683	4,056	1,940	0	6,679	31,600
Rebus Steamed/Boiled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diragikan Fermented	20	231	441	6,918	8,763	0	354	331	17,058	310	311	1,082	2,791	4,494	21,552
Lain-Lain Others	0	45	0	537	0	0	0	3	585	226	6,886	2,912	143	10,167	10,752
Digunakan untuk mengubahkan Disposed for reduction	0	28,236	612	51,876	44,248	0	0	0	124,972	0	588	23,916	29,384	53,888	178,860
Digunakan untuk lain-lain Disposed for others	0	80	892	41,500	192	0	0	0	42,664	0	0	0	0	0	42,664
Jumlah (Tan Metrik) Total (Tonnes)	46,229	72,733	33,768	179,406	89,677	613	1,996	22,093	446,515	38,262	113,292	126,667	66,882	345,103	791,618

SEMANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL LAUT YANG DIAWETKAN, 1993
PROCESSED MARINE FISH PRODUCTS, 1993
 (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 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)	Budu (Fermented Anchovies)	Ubur- Ubur (Dried Jelly Fish)	Lala Kering (Dried Shell- fish)	Bebola Ikan (Fish Ball)	Sotong Beku (Frozen Cuttle- Fish)	Udang Beku (Frozen Prawn)	Satay Ikan (Satay Fish)	Ikan Salai (Smoked Fish)	Otak- Otak (Fish Paste)	Surimi (Surimi)	Jumlah (Total)
								Ikan (Fish)	Udang/ Sotong (Prawn/ Cuttle Fish)													
Pantai Barat/ West Coast:																						
Perlis	33	0	0	0	0	0	2	0	0	0	0	0	0	0	8	0	0	0	0	0	0	43
Kedah	406	3,457	20	7,059	8	3	17	22	7	0	0	0	0	0	58	0	0	0	0	0	31	11,088
Pulau Pinang/Penang	280	0	223	153	125	0	141	0	0	0	0	0	12	0	0	0	0	0	0	0	0	934
Perak	1,501	514	10,375	12,969	591	0	680	0	0	0	0	0	0	0	2,876	699	719	322	0	0	0	31,246
Selangor	193	0	48	11,062	23	0	2,666	0	0	0	0	0	131	8	259	0	0	0	0	0	0	14,390
Negeri Sembilan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaka/Malacca	48	0	0	0	0	0	59	0	0	51	0	0	0	0	0	0	0	0	0	0	0	158
Johor Barat/ West Johore	42	0	0	0	3	0	67	1	1	1	1	0	35	0	57	0	0	0	0	14	0	222
Jumlah Kecil/ Sub-Total	2,503	3,971	10,666	31,243	750	3	3,632	23	8	52	1	0	178	8	3,258	699	719	322	0	14	31	58,081
Pantai Timur/ East Coast:																						
Kelantan	189	92	0	0	0	0	0	147	0	0	0	93	0	0	0	0	0	0	0	0	0	521
Terengganu	1,493	214	0	147	0	0	45	4,471	5	0	163	41	0	0	20	0	0	0	18	0	0	6,617
Pahang	103	442	0	5,979	0	0	0	1,864	29	0	0	0	0	0	649	0	0	0	0	0	0	9,066
Johor Timur/ East Johore	0	0	0	7,346	0	0	893	93	0	0	0	0	0	0	0	0	0	0	0	0	0	8,332
Jumlah Kecil/ Sub-Total	1,785	748	0	13,472	0	0	938	6,575	34	0	163	134	0	0	669	0	0	0	18	0	0	24,536
Jumlah Besar/ Grand-Total	4,288	4,719	10,666	44,715	750	3	4,570	6,598	42	52	164	134	178	8	3,927	699	719	322	18	14	31	82,617

Nota/Note: Tiada hasil ikan awet bagi ikan rebus dan ikan beku.

No production of processed marine fish products for boiled fish and frozen fish.

JADUAL (TABLE) 11.1

MALAYSIA
KILANG-KILANG AIRBATU DAN KEMUDAHAN-KEMUDAHAN PENYEJUKAN SEHINGGA 31-12-1993
ICE FACTORIES AND REFRIGERATION FACILITIES AS AT 31-12-1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

Negeri/State	Bilangan Kilang Airbatu (No. of ice factories)	Daya Pengeluaran Harian (Daily Production Capacity)					Kemudahan Menyimpan (Storage capacity)		
		Kuantiti (Tan metrik) Quantity (Tonnes)	Purata Harga Seblok (RM) Average Price/Block (RM)				Bilangan Bilik Sejuk (No. of cold rooms)	Kuantiti/Quantity (Tan metrik/Tonnes)	
			0 - 50kg	51 - 100kg	101 - 150kg	151 - 200kg		Ais (Ice)	Ikan (Fish)
Perlis	2	90	-	-	4.80	-	14	269	282
Kedah	4	160	-	-	5.50	-	73	594	857
Pulau Pinang/Penang	7	778	-	-	-	9.00	167	1,431	11,086
Perak	14	440	2.70	5.00 - 7.40	6.00 - 8.60	-	47	481	194
Selangor	6	524	2.00	7.00	8.00	-	75	943	483
Melaka/Malacca	2	47	-	-	11.20	-	31	42	840
Negeri Sembilan	1	28	-	7.00	-	-	2	9	100
Johor Barat/West Johore	5	167	2.00 - 6.00	11.00	-	-	18	190	475
Johor Timur/East Johore	2	110	2.60 - 3.20	9.60	-	-	15	326	450
Kelantan	18	262	3.05	4.85	5.70	9.25	16	363	279
Terengganu	8	313	-	6.00	10.00	-	14	105	148
Pahang	7	631	3.40	-	5.00 - 7.80	-	7	614	100
Sarawak	56	555	2.24	4.44	6.47	9.60	69	1,183	3,337
Sabah	45	474	3.66	4.50	9.33	10.00	100	1,290	3,016
W. P. Labuan	5	47	5.00	-	16.00	-	6	30	125
Jumlah/Total:	182	4,626	-	-	-	-	654	7,870	21,772

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL PERIKANAN, 1993
FISHERIES REVENUE, 1993
(Hasil Dalam RM / Revenue In RM)

JADUAL (TABLE) 12.1

Jenis Hasil <i>Type Of Revenue</i>	Hasil Negeri <i>State Revenue</i>				Hasil Persekutuan <i>Federal Revenue</i>				Jumlah Besar
Negeri <i>State</i>	Perahu <i>Boat</i>	Perikanan <i>Fishing</i>	Patil Perahu <i>Boat No.</i> <i>Plate</i>	Jumlah <i>Total</i>	Ikan <i>Fish</i>	Kompaun/ Denda <i>Compound/ Fine</i>	Jualan Pelbagai <i>Miscel- laneous Sales</i>	Jumlah <i>Total</i>	<i>Grand Total</i>
Perlis	19,468.00	125,262.00	675.00	145,405.00	1,027.50	0.00	597.00	1,624.50	147,029.50
Kedah	47,987.00	311,584.50	1,822.00	361,393.50	78,698.80	401,600.00	96,430.00	576,728.80	938,122.30
P.Pinang/Penang	21,901.00	49,089.00	1,725.00	72,715.00	0.00	78,600.00	1,378.80	79,978.80	152,693.80
Perak	131,909.00	452,820.00	4,478.00	589,207.00	448.00	257,900.00	4,421.20	262,769.20	851,976.20
Selangor	99,902.50	127,906.00	2,085.00	229,893.50	0.00	129,855.00	267.40	130,122.40	360,015.90
Negeri Sembilan	698.50	366.00	134.00	1,198.50	0.00	2,500.00	30.80	2,530.80	3,729.30
Melaka/Malacca	2,583.50	1,885.00	746.00	5,214.50	0.00	1,500.00	329.00	1,829.00	7,043.50
Kelantan	18,472.00	133,103.00	1,060.00	152,635.00	16,961.50	15,451.00	24,292.07	56,704.57	209,339.57
Terengganu	44,760.00	293,119.00	2,271.00	340,150.00	52,493.90	186,200.00	2,794.80	241,488.70	581,638.70
Pahang	63,143.50	550,301.00	1,054.00	614,498.50	0.00	116,100.00	5,758.40	121,858.40	736,356.90
Johor/Johore	82,723.50	379,429.00	4,124.00	466,276.50	0.00	165,600.00	8,686.12	174,286.12	640,562.62
Jumlah Besar <i>Grand Total</i>	533,548.50	2,424,864.50	20,174.00	2,978,587.00	149,629.70	1,355,306.00	144,985.59	1,649,921.29	4,628,508.29

TERNAKAIR
AQUACULTURE

MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM, BEKAS LOMBONG, SANGKAR DAN TANGKI SIMEN YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 1993
ESTIMATED NUMBER AND AREA OF PONDS, DISUSED MINING POOLS, CAGES AND CEMENT TANKS
AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 1993

JADUAL(TABLE) 13.1

Negeri State	Airtauar/Freshwater												Airpayau/Brackishwater						Jumlah/Total					
	Kolam Ponds			Bekas Lombong Ex-Mining Pools			Sangkar Cages			Tangki Simen Cement Tank			Kolam Ponds			Sangkar Cages			Kolam & Bekas Lombong Ponds & Ex-mining Pools			Sangkar & Tangki Simen Cages & Cement Tank		
	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 (m2)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (m2) Area (m2)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (m2) Area (m2)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (ha) Area (ha)	Bil. Pentermak No. Of Culturists	Bil. No.	Luas (m2) Area (m2)	Bil. Pentermak No. Of Culturists
Perlis	141	26.10	114	0	0.00	0	0	0.00	0	0	0.00	0	10	4.24	5	95	237.00	2	151	30.34	119	95	237.00	2
Kedah	1,017	241.02	522	2	5.95	2	0	0.00	0	12	1,498.88	12	223	126.54	88	1,997	21,178.67	109	1,242	373.51	612	2,009	22,677.55	121
Pulau Pinang/Penang	85	15.42	63	0	0.00	0	0	0.00	0	0	0.00	0	47	15.27	10	27,491	246,356.10	170	132	30.69	73	27,491	246,356.10	170
Perak	2,278	446.23	1,563	204	631.97	150	505	5,502.43	30	0	0.00	0	279	160.36	85	18,651	126,831.50	198	2,761	1,238.56	1,798	19,156	132,333.93	228
Selangor	1,386	238.03	650	58	115.47	38	844	20,074.56	18	58	17,776.32	8	405	233.31	85	7,068	125,672.13	31	1,849	586.81	773	7,970	163,523.01	57
N.Sembilan	1,311	241.37	1,028	7	8.65	7	159	6,594.98	5	74	6,804.15	18	43	31.00	6	78	707.00	5	1,361	281.02	1,041	311	14,106.13	28
Melaka/Malacca	530	107.54	356	0	0.00	0	55	495.00	7	54	1,113.48	22	21	13.30	5	116	1,502.51	4	551	120.84	361	225	3,110.99	33
Johor/Johore	1,415	203.55	526	0	0.00	0	90	2,090.60	22	139	2,716.78	52	699	699.98	114	5,541	114,604.34	183	2,114	903.53	640	5,770	119,411.72	257
Pahang	2,663	1,201.57	1,486	30	635.00	30	260	2,767.30	141	112	2,178.75	60	94	21.00	50	80	1,321.60	13	2,787	1,857.57	1,566	452	6,267.65	214
Terengganu	728	87.56	488	0	0.00	0	252	3,868.40	22	32	1,025.00	28	120	57.25	48	825	7,903.24	27	848	144.81	536	1,109	12,796.64	77
Kelantan	1,085	117.35	645	0	0.00	0	0	0.00	0	29	1,680.36	14	138	52.14	33	305	12,183.55	44	1,223	169.49	678	334	13,863.91	58
Sarawak	1,800	270.20	1,578	0	0.00	0	654	7,300.00	323	0	0.00	0	99	17.15	103	17	300.00	13	1,899	287.35	1,681	671	7,600.00	336
Sabah	10,385	1,160.99	4,605	0	0.00	0	0	0.00	0	0	0.00	0	669	446.28	120	1,042	9,462.36	86	11,054	1,607.27	4,725	1,042	9,462.36	86
Jumlah/Total:	24,824	4,356.93	13,624	301	1,397.04	227	2,819	48,693.27	568	510	34,793.72	214	2,847	1,877.82	752	63,306	668,260.00	885	27,972	7,631.79	14,603	66,635	751,746.99	1,667

4.80

3.40

MALAYSIA
ANGGARAN JUMLAH PENGELUARAN IKAN TERNAKAN, KERANG, SIPUT SUDU DAN TIRAM
MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1993
ESTIMATED PRODUCTION OF FISH, COCKLES, MUSSELS, OYSTERS AND CEMENT TANKS
BY STATE AND CULTURE SYSTEM, 1993
 (Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 14.1

Negeri <i>State</i>	Airtawar/Freshwater				Airpayau/Brackishwater					Jumlah Kecil/Sub-total						Jumlah Besar Grand Total Tan M. Tonnes
	Kolam <i>Ponds</i>	Bekas Lombong <i>Ex-Mining Pools</i>	Sangkar <i>Cages</i>	Tangki Simen <i>Cement Tank</i>	Kolam <i>Ponds</i>	Sangkar <i>Cages</i>	Kerang <i>Cockle</i>	Siput Sudu <i>Mussels</i>	Tiram <i>Oyster</i>	B.Lombong/ Kolam <i>Ex-Mining Pools/Ponds</i>	Sangkar <i>Cages</i>	Kerang <i>Cockle</i>	Siput Sudu <i>Mussels</i>	Tiram <i>Oyster</i>	Tangki Simen <i>Cement Tank</i>	
Perlis	42.61	0.00	0.00	0.00	33.03	17.38	0.00	0.00	0.00	75.64	17.38	0.00	0.00	0.00	0.00	93.02
Kedah	341.67	3.03	0.00	4.18	507.90	66.96	0.00	4.07	3.69	852.60	66.96	0.00	4.07	3.69	4.18	931.50
P.Pinang/Penang	54.03	0.00	0.00	0.00	504.01	1,538.67	14,619.16	2.60	0.00	558.04	1,538.67	14,619.16	2.60	0.00	0.00	16,718.47
Perak	837.36	769.47	31.52	0.00	619.12	1,844.15	47,916.94	6.89	0.65	2,225.95	1,875.67	47,916.94	6.89	0.65	0.00	52,026.10
Selangor	547.20	42.24	258.31	365.48	1,030.51	1,200.33	13,087.63	15.64	0.30	1,619.95	1,458.64	13,087.63	15.64	0.30	365.48	16,547.64
N. Sembilan	593.48	11.31	120.04	29.52	94.40	2.80	0.00	3.50	0.00	699.19	122.84	0.00	3.50	0.00	29.52	855.05
Melaka/Malacca	303.51	0.00	5.34	5.77	38.53	10.93	0.00	58.10	0.00	342.04	16.27	0.00	58.10	0.00	5.77	422.18
Johor/Johore	513.21	0.00	15.72	2.08	697.98	732.76	109.48	1,088.41	0.00	1,211.19	748.48	109.48	1,088.41	0.00	2.08	3,159.64
Pahang	3,319.64	124.98	21.18	0.58	7.03	4.13	0.00	0.00	0.00	3,451.65	25.31	0.00	0.00	0.00	0.58	3,477.54
Terengganu	160.42	0.00	43.42	0.14	48.13	5.23	0.00	0.00	25.93	208.55	48.65	0.00	0.00	25.93	0.14	283.27
Kelantan	289.55	0.00	0.00	0.09	73.89	27.51	0.00	0.00	6.56	363.44	27.51	0.00	0.00	6.56	0.09	397.60
Sarawak	520.51	0.00	290.00	0.00	46.90	3.40	0.00	0.00	0.00	567.41	293.40	0.00	0.00	0.00	0.00	860.81
Sabah	5,800.00	0.00	0.00	0.00	900.00	740.00	2,021.79	2.70	0.00	6,700.00	740.00	2,021.79	2.70	0.00	0.00	9,464.49
Jumlah/Total	13,323.19	951.03	785.53	407.84	4,601.43	6,194.25	77,755.00	1,181.91	37.13	18,875.65	6,979.78	77,755.00	1,181.91	37.13	407.84	105,237.31

MALAYSIA
ANGGARAN NILAI BORONG IKAN TERNAKAN, KERANG, SIPUT SUDU DAN TIRAM
MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1993
ESTIMATED WHOLESALE VALUE OF FISH, COCKLES, MUSSELS AND OYSTERS
BY STATE AND CULTURE SYSTEM, 1993
(NILAI DALAM RM '000/VALUE IN RM '000)

JADUAL (TABLE) 14.2

Negeri <i>State</i>	Airtawar/Freshwater				Airpayau/Brackishwater					Jumlah (RM)/Total (RM)						Jumlah Besar <i>Grand Total</i>
	Kolam <i>Ponds</i>	Bekas lombong <i>Ex- Mining Pools</i>	Sangkar <i>Cages</i>	Tangki Simen <i>Cement Tank</i>	Kolam <i>Ponds</i>	Sangkar <i>Cages</i>	Kerang <i>Cockle</i>	Siput Sudu <i>Mussels</i>	Tiram <i>Oysters</i>	B.Lombong & Kolam <i>Ex-mining Pools/Ponds</i>	Sangkar <i>Cages</i>	Tangki Simen <i>Cement Tank</i>	Kerang <i>Cockle</i>	Siput Sudu <i>Mussels</i>	Tiram <i>Oysters</i>	
Perlis	124.44	0.00	0.00	0.00	378.76	125.08	0.00	0.00	0.00	503.20	125.08	0.00	0.00	0.00	0.00	628.28
Kedah	1,247.34	9.06	2.96	15.41	7,920.88	821.74	0.00	3.22	30.63	9,177.28	824.70	15.41	0.00	3.22	30.63	10,051.24
P.Pinang/Penang	171.68	0.00	0.00	0.00	4,284.09	22,245.84	5,847.66	1.56	0.00	4,455.77	22,245.84	0.00	5,847.66	1.56	0.00	32,550.83
Perak	3,293.83	2,442.39	110.83	0.00	10,729.35	20,629.40	16,291.76	4.48	8.13	16,465.57	20,740.23	0.00	16,291.76	4.48	8.13	53,510.17
Selangor	2,697.68	133.45	1,169.98	1,620.25	18,826.10	11,089.19	3,402.78	2.59	2.77	21,657.23	12,259.17	1,620.25	3,402.78	2.59	2.77	38,944.79
N. Sembilan	2,076.34	34.49	414.64	100.69	1,467.92	25.68	0.00	0.00	0.00	3,578.75	440.32	100.69	0.00	0.00	0.00	4,119.76
Melaka/Malacca	1,080.62	0.00	16.05	20.09	597.71	76.62	0.00	31.95	0.00	1,678.33	92.67	20.09	0.00	31.95	0.00	1,823.04
Johor/Johore	3,052.76	0.00	70.55	17.99	13,698.41	7,884.57	32.84	424.48	0.00	16,751.17	7,955.12	17.99	32.84	424.48	0.00	25,181.60
Pahang	43,855.64	451.50	102.65	2.85	90.35	30.20	0.00	0.00	246.34	44,397.49	132.85	2.85	0.00	0.00	246.34	44,779.53
Terengganu	727.08	0.00	227.32	0.57	547.95	59.88	0.00	0.00	0.00	1,275.03	287.20	0.57	0.00	0.00	0.00	1,562.80
Kelantan	1,337.65	0.00	0.00	0.33	1,048.23	259.04	0.00	0.00	62.32	2,385.88	259.04	0.33	0.00	0.00	62.32	2,707.57
Sarawak	3,182.91	0.00	1,740.00	0.00	400.26	32.40	0.00	0.00	0.00	3,583.17	1,772.40	0.00	0.00	0.00	0.00	5,355.57
Sabah	40,982.55	0.00	0.00	0.00	12,600.00	16,419.50	1,213.07	0.00	0.00	53,582.55	16,419.50	0.00	1,213.07	0.00	0.00	71,215.12
Jumlah/Total:	103,830.52	3,070.89	3,854.98	1,778.18	72,590.01	79,699.14	26,788.11	468.28	350.19	179,491.42	83,554.12	1,778.18	26,788.11	468.28	350.19	292,430.30

MALAYSIA
ANGGARAN NILAI RUNCIT IKAN TERNAKAN, KERANG, SIPUT SUDU DAN TIRAM
MENGIKUT NEGERI DAN SISTEM TERNAKAN, 1993
ESTIMATED RETAIL VALUE OF FISH, COCKLES, MUSSELS AND OYSTERS
BY STATE AND CULTURE SYSTEM, 1993
(Nilai Dalam RM'000/Value In RM'000)

JADUAL (TABLE) 14.3

Negeri State	Airtawar/Freshwater				Airpayau/Brackishwater					Jumlah (RM)/Total (RM)						Jumlah Besar Grand Total
	Kolam Ponds	Bekas Lombong Ex- Mining Pools	Sangkar Cages	Tangki Simen Cement Tank	Kolam Ponds	Sangkar Cages	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	B.Lombong & Kolam Ex-Mining Pools/Ponds	Sangkar Cages	Tangki Simen Cement Tank	Kerang Cockles	Siput Sudu Mussels	Tiram Oysters	
Perlis	169.96	0.00	0.00	0.00	474.45	137.87	0.00	0.00	0.00	644.41	137.87	0.00	0.00	0.00	0.00	782.28
Kedah	1,509.26	10.99	3.23	16.86	9,220.74	945.30	0.00	4.07	34.30	10,740.99	948.53	16.86	0.00	4.07	34.30	11,744.75
P.Pinang/Penang	255.63	0.00	0.00	0.00	5,544.11	23,039.80	8,771.50	2.34	0.00	5,799.74	23,039.80	0.00	8,771.50	2.34	0.00	37,613.38
Perak	4,671.58	3,486.48	150.30	0.00	12,767.02	23,467.61	23,958.47	3.45	9.43	20,925.08	23,617.91	0.00	23,958.47	3.45	9.43	68,514.34
Selangor	3,359.87	180.25	1,479.85	2060.50	21,008.21	12,760.65	6,412.93	20.18	3.47	24,548.33	14,240.50	2,060.50	6,412.93	20.18	3.47	47,285.91
N. Sembilan	2,996.52	52.01	600.09	145.30	1,722.80	30.10	0.00	3.50	0.00	4,771.33	630.19	145.30	0.00	3.50	0.00	5,550.32
Melaka/Malacca	1,383.55	0.00	21.73	27.87	724.48	101.12	0.00	52.29	0.00	2,108.03	122.85	27.87	0.00	52.29	0.00	2,311.04
Johor/Johore	3,691.17	0.00	90.40	23.49	15,719.92	9,428.18	87.58	848.96	0.00	19,411.09	9,518.58	23.49	87.58	848.96	0.00	29,889.70
Pahang	44,911.97	423.65	143.91	4.11	122.50	44.09	0.00	4.37	0.00	45,458.12	188.00	4.11	0.00	4.37	0.00	45,654.60
Terengganu	942.74	0.00	344.51	0.72	578.69	78.65	0.00	0.00	285.23	1,521.43	423.16	0.72	0.00	0.00	285.23	2,230.54
Kelantan	1,620.59	0.00	0.00	0.41	1,349.35	287.66	0.00	51.31	72.16	2,969.94	287.66	0.41	0.00	51.31	72.16	3,381.48
Sarawak	3,687.79	0.00	2,320.00	0.00	364.21	39.20	0.00	2.12	0.00	4,052.00	2,359.20	0.00	0.00	2.12	0.00	6,413.32
Sabah	40,932.55	0.00	0.00	0.00	13,900.00	18,112.90	1,617.43	0.00	0.00	54,832.55	18,112.90	0.00	1,617.43	0.00	0.00	74,562.88
Jumlah/Total:	110,133.18	4,153.38	5,154.02	2,279.26	83,496.48	88,473.13	40,847.91	992.59	404.59	197,783.04	93,627.15	2,279.26	40,847.91	992.59	404.59	335,934.54

MALAYSIA
 BILANGAN DAN LUAS KOLAM AIRTAWAR YANG DIUSAHAKAN SERTA
 BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993
 NUMBER AND AREA OF FRESHWATER PONDS IN OPERATION AND NUMBER OF CULTURISTS
 BY RACE AND STATE, 1993

JADUAL (TABLE) 15.1

Negeri <i>State</i>	Kolam Airtawar <i>Freshwater Ponds</i>		Bilangan Penternak <i>No. 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>
Perlis	141	26.10	111	1	0	2	114
Kedah	1,017	241.02	504	7	0	11	522
P.Pinang/Penang	85	15.42	51	7	5	0	63
Perak	2278	446.23	1312	182	20	49	1,563
Selangor	1,386	238.03	415	152	24	59	650
N. Sembilan	1311	241.37	940	71	2	15	1,028
Melaka/Malacca	530	107.54	281	72	1	2	356
Johor/Johore	1,415	203.55	339	158	3	26	526
Pahang	2,663	1,201.57	1,319	135	3	29	1,486
Terengganu	728	87.56	485	3	0	0	488
Kelantan	1,085	117.35	628	17	0	0	645
Sarawak	1800	270.20	346	757	0	475	1,578
Sabah	10,385	1,160.99	0	28	0	4,577	4,605
Jumlah/Total:	24,824	4,356.93	6,731	1,590	58	5,245	13,624

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRTAWAR
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS
BY STATE AND SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 15.2

Negeri State	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Kap Rumpot 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	Patin River Catfish	Toman Giant SnakeHead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	2.45	0.00	0.00	0.00	0.00	4.90	7.59	0.37	22.27	0.00	0.00	0.00	0.00	0.00	5.03	42.61
Kedah	50.57	23.04	7.73	6.78	0.35	51.37	55.92	3.91	128.23	7.50	0.00	0.00	0.00	0.00	6.27	341.67
P.Pinang/Penang	3.21	0.00	0.00	0.00	0.00	0.00	12.15	0.17	38.43	0.00	0.00	0.00	0.00	0.00	0.07	54.03
Perak	113.36	1.60	295.92	25.29	16.42	36.06	55.29	37.18	221.47	0.10	0.00	0.00	0.00	0.00	34.67	837.36
Selangor	27.87	4.37	68.29	6.40	0.00	11.25	111.85	115.03	69.78	0.08	0.00	0.00	0.00	0.00	132.28	547.20
N. Sembilan	72.57	7.17	56.92	4.88	3.90	1.49	350.92	19.14	65.30	0.00	0.00	0.00	0.00	0.00	11.19	593.48
Melaka/Malacca	42.86	4.91	22.04	7.25	4.79	57.98	35.12	4.89	74.38	2.69	0.00	0.00	0.00	0.00	46.60	303.51
Johor/Johore	18.58	5.11	15.90	23.09	17.28	30.26	159.49	16.92	53.53	24.35	0.00	29.05	100.01	0.00	19.64	513.21
Pahang	71.17	29.09	84.66	7.15	5.93	7.29	154.84	60.81	23.41	0.00	2824.00	12.50	0.00	0.00	38.79	3,319.64
Terengganu	11.95	13.14	6.08	0.13	1.63	10.06	63.68	4.56	11.87	0.46	0.00	32.33	0.00	3.68	0.85	160.42
Kelantan	60.65	14.99	45.14	5.08	1.23	26.21	74.99	32.76	13.46	1.02	0.00	0.36	0.00	0.00	13.66	289.55
Sarawak	104.10	31.23	78.08	62.46	0.00	57.26	0.00	156.15	0.00	0.00	0.00	0.00	0.00	0.00	31.23	520.51
Sabah	821.00	837.00	45.00	20.00	0.00	3,480.00	482.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	5,800.00
Jumlah/Total:	1,400.34	971.65	725.76	168.51	51.53	3,774.13	1,563.84	466.89	722.13	36.20	2,824.00	74.24	100.01	3.68	440.28	13,323.19

Nota : Pelbagai - Termasuk Ikan-ikan, Haruan, dan Sepat Siam.
 Note : Miscellaneous - Includes Snake Head, and Snakeskin Gouramy.

JADUAL (TABLE) 15.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIRTAWAR MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM'000/Value In RM'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	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	5.15	0.00	0.00	0.00	0.00	14.70	22.77	1.48	65.25	0.00	0.00	0.00	0.00	0.00	15.09	124.44
Kedah	141.60	78.56	31.46	24.48	4.26	163.36	208.58	31.98	474.45	75.00	0.00	0.00	0.00	0.00	13.61	1247.34
P.Pinang/Penang	9.12	0.00	0.00	0.00	0.00	0.00	54.67	1.62	106.06	0.00	0.00	0.00	0.00	0.00	0.21	171.68
Perak	387.69	6.18	1,154.09	55.13	240.22	120.80	205.13	272.16	792.86	2.02	0.00	0.00	0.00	0.00	57.55	3,293.83
Selangor	115.66	18.62	262.23	13.88	0.00	32.85	487.66	1,067.48	292.38	2.14	0.00	0.00	0.00	0.00	404.78	2,697.68
N.Sembilan	233.68	24.23	181.57	11.18	42.67	3.78	1,161.55	105.46	253.36	0.00	0.00	0.00	0.00	0.00	58.86	2,076.34
Melaka/Malacca	139.72	14.73	73.17	13.55	65.48	126.40	122.92	33.55	258.84	71.96	0.00	0.00	0.00	0.00	160.30	1,080.62
Johor/Johore	65.22	17.58	59.63	102.05	277.52	82.31	709.73	125.21	200.20	586.10	0.00	130.72	600.06	0.00	96.43	3,052.76
Pahang	290.37	116.36	314.08	27.38	92.92	25.52	709.17	2,457.94	115.18	0.00	39,536.00	62.50	0.00	0.00	108.22	43,855.64
Terengganu	47.80	45.99	24.32	0.52	17.28	35.21	261.09	45.60	48.43	13.34	0.00	161.65	0.00	24.29	1.56	727.08
Kelantan	247.45	67.16	200.87	18.64	17.54	99.07	315.71	255.20	47.51	16.19	0.00	1.49	0.00	0.00	50.82	1,337.65
Sarawak	624.60	156.15	468.48	374.76	0.00	200.41	0.00	1,171.13	0.00	0.00	0.00	0.00	0.00	0.00	187.38	3,182.91
Sabah	5,541.75	6,193.80	315.00	146.00	0.00	24,360.00	3,615.00	111.00	0.00	0.00	0.00	0.00	0.00	0.00	700.00	40,982.55
Jumlah/Total	7,849.81	6,739.36	3,084.90	787.57	757.89	25,264.41	7,873.98	5,679.81	2,654.52	766.75	39,536.00	356.36	600.06	24.29	1,854.81	103,830.52

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

JADUAL(TABLE) 15.4

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIR TAWAR MENGIKUT NEGERI DAN SPESIES IKAN,1993
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS BY STATE AND FISH SPECIES,1993
 (Nilai Dalam RM'000/Value In RM'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	Patin River Catfish	Toman Giant Snakehead	Baung River Catfish	Pelbagai Miscell- aneous	Jumlah Total
Perlis	6.37	0.00	0.00	0.00	0.00	19.40	30.06	2.41	89.08	0.00	0.00	0.00	0.00	0.00	22.64	169.96
Kedah	170.93	95.85	32.08	28.75	5.25	195.21	250.52	38.20	584.73	90.00	0.00	0.00	0.00	0.00	17.74	1509.26
P.Pinang/Penang	10.02	0.00	0.00	0.00	0.00	0.00	60.75	2.04	182.54	0.00	0.00	0.00	0.00	0.00	0.28	255.63
Perak	588.34	9.09	1,615.72	89.27	309.85	161.55	273.13	357.30	1,173.79	2.70	0.00	0.00	0.00	0.00	90.84	4,671.58
Selangor	137.12	21.23	327.79	17.47	0.00	41.63	621.89	1,246.93	358.67	2.46	0.00	0.00	0.00	0.00	584.68	3,359.87
N.Sembilan	346.88	35.35	258.99	22.74	60.14	5.54	1,684.42	153.69	358.50	0.00	0.00	0.00	0.00	0.00	70.27	2,996.52
Melaka/Malacca	180.01	17.19	93.01	16.97	82.39	165.82	168.58	45.33	359.26	90.49	0.00	0.00	0.00	0.00	164.50	1,383.55
Johor/Johore	82.68	21.67	76.96	116.37	335.23	107.12	918.66	159.39	273.54	697.14	0.00	174.30	600.06	0.00	128.05	3,691.17
Pahang	385.74	145.45	408.91	35.75	127.50	33.39	890.33	2,938.95	165.74	0.00	39,536.00	87.50	0.00	0.00	156.71	44,911.97
Terengganu	60.95	59.13	30.40	0.65	23.80	44.26	331.14	54.72	61.37	13.80	0.00	222.43	0.00	37.54	2.55	942.74
Kelantan	309.92	83.04	241.05	21.95	21.40	124.76	378.70	286.65	60.30	21.21	0.00	1.94	0.00	0.00	69.67	1,620.59
Sarawak	728.70	202.99	530.94	437.22	0.00	257.67	0.00	1,327.28	0.00	0.00	0.00	0.00	0.00	0.00	202.99	3,687.79
Sabah	5,541.75	6,193.80	315.00	146.00	0.00	24,360.00	3,615.00	111.00	0.00	0.00	0.00	0.00	0.00	0.00	650.00	40,932.55
Jumlah/Total	8,549.41	6,884.79	3,930.85	933.14	965.56	25,516.35	9,223.18	6,723.89	3,667.52	917.80	39,536.00	486.17	600.06	37.54	2,160.92	110,133.18

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

MALAYSIA
BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993
NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND
NUMBER OF CULTURISTS BY RACE AND STATE, 1993

JADUAL(TABLE) 16.1

Negeri State	Bekas Lombong Ex Mining Pools		Bilangan Penternak Number Of Culturists				
	Bilangan Number	Luas (ha) Area(ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	2	5.95	1	1	0	0	2
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	204	631.97	46	100	0	4	150
Selangor	58	115.47	15	14	1	8	38
N. Sembilan	7	8.65	0	7	0	0	7
Melaka	0	0.00	0	0	0	0	0
Johor	0	0.00	0	0	0	0	0
Pahang	30	635.00	30	0	0	0	30
Terengganu	0	0	0	0	0	0	0
Kelantan	0	0	0	0	0	0	0
Sarawak	0	0	0	0	0	0	0
Sabah	0	0	0	0	0	0	0
Jumlah/Total:	301	1,397.04	92	122	1	12	227

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG AIR TAWAR
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES, 1993
(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 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	0.58	0.04	0.00	0.00	0.00	1.43	0.40	0.00	0.00	0.00	0.58	3.03
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	41.82	0.00	182.65	245.94	0.00	140.67	152.73	0.64	0.00	0.00	5.02	769.47
Selangor	0.94	0.00	5.31	5.19	0.00	2.95	1.20	0.10	0.00	0.08	26.47	42.24
N. Sembilan	0.03	0.00	8.37	2.05	0.00	0.00	0.78	0.00	0.00	0.00	0.08	11.31
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	36.58	28.19	2.38	17.39	0.00	0.00	0.00	0.03	0.05	0.00	40.36	124.98
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	79.95	28.23	198.71	270.57	0.00	145.05	155.11	0.77	0.05	0.08	72.51	951.03

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

JADUAL (TABLE) 16.3

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES, 1993
 (Nilai dalam RM'000/Value in RM'000)

Negeri <i>State</i>	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Kap Rumpot <i>Grass Carp</i>	Kap Kepala Besar <i>Big Head Carp</i>	Udang Galah <i>Giant Fresh-Prawn</i>	Tilapia Hitam <i>Black Tilapia</i>	Tilapia Merah <i>Red Tilapia</i>	Jelawat <i>River Carp</i>	Keli <i>Freshwater Catfish</i>	Ketutu <i>Goby</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	0.00	0.00	0.00
Kedah	1.62	0.14	0.00	0.00	0.00	4.55	1.49	0.00	0.00	0.00	1.26	9.06
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	143.02	0.00	712.34	536.15	0.00	471.24	566.63	4.68	0.00	0.00	8.33	2,442.39
Selangor	3.90	0.00	20.39	11.26	0.00	8.61	5.23	0.93	0.00	2.14	80.99	133.45
N. Sembilan	0.10	0.00	26.70	4.69	0.00	0.00	2.58	0.00	0.00	0.00	0.42	34.49
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	149.25	112.76	8.83	66.60	0.00	0.00	0.00	1.21	0.25	0.00	112.60	451.50
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:	297.89	112.90	768.26	618.70	0.00	484.40	575.93	6.82	0.25	2.14	203.60	3,070.89

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Patin, Baung dan Sepat Siam.

Note: Miscellaneous - Includes Snake Head, River Catfish and Snakeskin Gouramy.

JADUAL (TABLE) 16.4

MALAYSIA
ANGGARAN NILAI RUNCIT PENGLUARAN IKAN DARI BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM EX-MINING POOLS
BY STATE AND FISH SPECIES, 1993
 (Nilai dalam RM'000/Value in RM'000)

Negeri <i>State</i>	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Kap Rumpot <i>Grass Carp</i>	Kap Kepala Besar <i>Big Head Carp</i>	Udang Galah <i>Giant Fresh- Prawn</i>	Tilapia Hitam <i>Black Tilapia</i>	Tilapia Merah <i>Red Tilapia</i>	Jelawat <i>River Carp</i>	Keli <i>Freshwater Catfish</i>	Ketutu <i>Goby</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	0.00	0.00	0.00
Kedah	1.96	0.17	0.00	0.00	0.00	5.43	1.79	0.00	0.00	0.00	1.64	10.99
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	217.05	0.00	997.27	868.17	0.00	630.20	754.49	6.15	0.00	0.00	13.15	3,486.48
Selangor	4.62	0.00	25.49	14.17	0.00	10.92	6.67	1.08	0.00	0.30	117.00	180.25
N. Sembilan	0.14	0.00	38.08	9.55	0.00	0.00	3.74	0.00	0.00	0.00	0.50	52.01
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	19.40	140.95	11.50	86.95	0.00	0.00	0.00	1.45	0.35	0.00	163.05	423.65
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:	243.17	141.12	1,072.34	978.84	0.00	646.55	766.69	8.68	0.35	0.30	295.34	4,153.38

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan, Patin, 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, 1993
NUMBER AND AREA OF FRESHWATER CAGES IN OPERATION AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1993

JADUAL (TABLE) 17.1

Negeri State	Sangkar Airtawar Freshwater Cages		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M2) Area (m2)	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	0	0.00	0	0	0	0	0
P.Pinang/Penang	0	0.00	0	0	0	0	0
Perak	505	5,502.43	29	1	0	0	30
Selangor	844	20,074.56	10	4	0	4	18
N. Sembilan	159	6,594.98	1	3	0	1	5
Melaka/Malacca	55	495.00	1	6	0	0	7
Johor/Johore	90	2,090.60	22	0	0	0	22
Pahang	260	2,767.30	58	2	0	81	141
Terengganu	252	3,868.40	20	2	0	0	22
Kelantan	0	0.00	0	0	0	0	0
Sarawak	654	7,300.00	12	0	0	311	323
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	2,819	48,693.27	153	18	0	0	568

JADUAL (TABLE) 17.2

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1993
 (Kuantiti dalam Tan Metrik/Weight in Tonnes)

Negeri <i>State</i>	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Kap Rumput <i>Grass Carp</i>	Kap Kepala Besar <i>Big Head Carp</i>	Ketutu <i>Goby</i>	Tilapia Hitam <i>Black Tilapia</i>	Tilapia Merah <i>Red Tilapia</i>	Jelawat <i>River Carp</i>	Patin <i>River Catfish</i>	Toman <i>Giant Snakehead</i>	Baung <i>River Catfish</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	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.72
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	0.00
Perak	0.90	0.00	2.40	0.00	0.00	0.00	17.16	1.77	1.90	0.00	0.00	7.39	31.52
Selangor	0.06	0.00	0.00	0.00	0.00	2.14	204.08	0.00	51.43	0.00	0.00	0.60	258.31
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	109.83	7.64	2.57	0.00	0.00	0.00	120.04
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	1.90	3.18	0.00	0.26	0.00	0.00	0.00	5.34
Johor/Johore	0.04	0.00	0.00	0.00	0.03	0.14	14.87	0.00	0.01	0.00	0.00	0.63	15.72
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.71	0.00	0.00	1.47	21.18
Terengganu	0.00	0.00	0.00	0.00	0.00	0.50	7.84	0.00	0.98	8.10	25.78	0.22	43.42
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	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	227.39	0.00	62.61	0.00	0.00	0.00	290.00
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	0.00
Jumlah/Total	1.00	0.00	2.40	0.00	0.03	4.68	585.07	9.41	139.47	8.10	25.78	10.31	786.25

Pelbagai - Termasuk ikan-ikan, Haruan, dan Sepat Siam.
 Miscellaneous - Includes Snakehead and Snakeskin Gouramy.

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIRTAWAR
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND FISH SPECIES, 1993
(Nilai dalam RM'000/Value in RM'000)

JADUAL (TABLE) 17.3

Negeri <i>State</i>	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Kap Rumput <i>Grass Carp</i>	Kap Kepala Besar <i>Big Head Carp</i>	Ketutu <i>Goby</i>	Tilapia Hitam <i>Black Tilapia</i>	Tilapia Merah <i>Red Tilapia</i>	Jelawat <i>River Carp</i>	Patin <i>River Catfish</i>	Toman <i>Giant Snakehead</i>	Baung <i>River Catfish</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	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	2.96
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	0.00
Perak	3.08	0.00	9.36	0.00	0.00	0.00	63.66	12.96	9.50	0.00	0.00	12.27	110.83
Selangor	0.25	6.25	0.00	0.00	0.00	0.00	889.79	0.00	270.01	1.84	0.00	1.84	1,169.98
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	363.54	42.10	9.00	0.00	0.00	0.00	414.64
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	4.14	11.13	0.00	0.78	0.00	0.00	0.00	16.05
Johor/Johore	0.14	0.00	0.00	0.00	0.72	0.38	66.17	0.00	0.05	0.00	0.00	3.09	70.55
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.55	0.00	0.00	4.10	102.65
Terengganu	0.00	0.00	0.00	0.00	0.00	1.75	32.14	0.00	4.90	17.98	170.15	0.40	227.32
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	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	1,364.34	0.00	375.66	0.00	0.00	0.00	1,740.00
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	0.00
Jumlah/Total:	3.47	6.25	9.36	0.00	0.72	6.27	2,793.73	55.06	768.45	19.82	170.15	21.70	3,854.98

Nota: Pelbagai - Termasuk Ikan-Ikan Haruan dan Sepat Siam
 Note: Miscellaneous - Includes Snakehead and Snakeskin Gouramy

MALAYSIA
ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIRTAWAR
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES
BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM'000/Value In RM'000)

JADUAL (TABLE) 17.4

Negeri <i>State</i>	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Kap Rumpot <i>Grass Carp</i>	Kap Kepala Besar <i>Big Head Carp</i>	Ketutu <i>Goby</i>	Tilapia Hitam <i>Black Tilapia</i>	Tilapia Merah <i>Red Tilapia</i>	Jelawat <i>River Carp</i>	Patin <i>River Catfish</i>	Toman <i>Giant Snakehead</i>	Baung <i>River Catfish</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	0.00	0.00	0.00	0.00
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00	0.00	3.23
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	0.00
Perak	4.67	0.00	13.10	0.00	0.00	0.00	84.77	17.00	11.40	0.00	0.00	19.36	150.30
Selangor	0.30	0.00	0.00	0.00	0.00	7.92	1,134.68	0.00	334.30	0.00	0.00	2.65	1,479.85
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	527.18	61.35	11.56	0.00	0.00	0.00	600.09
Melaka/Malacca	0.00	0.00	0.00	0.00	0.00	5.43	15.26	0.00	1.04	0.00	0.00	0.00	21.73
Johor/Johore	0.18	0.00	0.00	0.00	0.86	0.50	85.65	0.00	0.06	0.00	0.00	3.15	90.40
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.97	0.00	0.00	5.94	143.91
Terengganu	0.00	0.00	0.00	0.00	0.00	2.20	40.77	0.00	6.74	31.19	262.95	0.66	344.51
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	0.00
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	1,819.12	0.00	500.88	0.00	0.00	0.00	2,320.00
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	0.00
Jumlah/Total:	5.15	0.00	13.10	0.00	0.86	16.05	3,710.66	78.35	1,003.95	31.19	262.95	31.76	5,154.02

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

MALAYSIA
BILANGAN DAN LUAS TANGKI SIMEN YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993
NUMBER AND AREA OF CEMENT TANK IN OPERATION AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1993

Negeri <i>State</i>	Tangki Simen <i>Cement Tanks</i>		Bilangan Penternak <i>No. Of Culturists</i>				
	Bilangan <i>Number</i>	Luas (m2) <i>Area (m2)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-lain <i>Others</i>	Jumlah <i>Total</i>
Perlis	0	0.00	0	0	0	0	0
Kedah	12	1,498.88	10	1	0	1	12
P.Pinang/ Penang	0	0.00	0	0	0	0	0
Perak	0	0.00	0	0	0	0	0
Selangor	58	17,776.32	5	2	0	1	8
N. Sembilan	74	6,804.15	16	1	0	1	18
Melaka/Malacca	54	1,113.48	20	1	0	1	22
Johor/Johore	139	2,716.78	51	0	0	1	52
Pahang	112	2,178.75	59	0	1	0	60
Terengganu	32	1,025.00	28	0	0	0	28
Kelantan	29	1,680.36	14	0	0	0	14
Sarawak	0	0.00	0	0	0	0	0
Sabah	0	0.00	0	0	0	0	0
Jumlah/Total:	510	34,793.72	203	5	1	5	214

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI TANGKI SIMEN
MENGIKUT NEGERI DAN SPESIES IKAN,1993
ESTIMATED FISH PRODUCTION FROM CEMENT TANK
BY STATE AND FISH SPECIES,1993
(Kuantiti Dalam Tan Metrik/Quantity In Tonnes)

JADUAL(TABLE) 18.2

Negeri State	Keli Freshwater Catfish	Tilapia Merah Red Tilapia	Ketutu Goby	Patin River Catfish	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	3.80	0.32	0.00	0.03	0.03	4.18
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	0.00	0.00	0.00
Selangor	1.63	327.57	0.00	33.88	2.40	365.48
N. Sembilan	5.23	24.29	0.00	0.00	0.00	29.52
Melaka/Malacca	5.70	0.07	0.00	0.00	0.00	5.77
Johor/Johore	1.43	0.00	0.54	0.00	0.11	2.08
Pahang	0.58	0.00	0.00	0.00	0.00	0.58
Terengganu	0.14	0.00	0.00	0.00	0.00	0.14
Kelantan	0.07	0.02	0.00	0.00	0.00	0.09
Sarawak	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
Jumlah/Total:	18.58	352.27	0.54	33.91	2.54	407.84

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

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

MALAYSIA
ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI TANGKI SIMEN
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM CEMENT TANK
BY STATE AND FISH SPECIES, 1993
(Nilai dalam RM'000/Value in RM'000)

JADUAL(TABLE) 18.3

Negeri <i>State</i>	Keli <i>Fresh Water Catfish</i>	Tilapia Merah <i>Red Tilapia</i>	Ketutu <i>Goby</i>	Patin <i>River Catfish</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	14.06	1.19	0.00	0.09	0.07	15.41
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	0.00	0.00	0.00
Selangor	6.83	1,428.21	0.00	177.87	7.34	1,620.25
N. Sembilan	20.29	80.40	0.00	0.00	0.00	100.69
Melaka/Malacca	19.84	0.25	0.00	0.00	0.00	20.09
Johor/Johore	5.35	0.00	12.10	0.00	0.54	17.99
Pahang	2.85	0.00	0.00	0.00	0.00	2.85
Terengganu	0.57	0.00	0.00	0.00	0.00	0.57
Kelantan	0.25	0.08	0.00	0.00	0.00	0.33
Sarawak	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
Jumlah/Total:	70.04	1,510.13	12.10	177.96	7.95	1,778.18

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 TANGKI SIMEN
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM CEMENT TANK
BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM'000/Value In RM'000)

JADUAL(TABLE) 18.4

Negeri <i>State</i>	Keli <i>Fresh Water Catfish</i>	Tilapia Merah <i>Red Tilapia</i>	Ketutu <i>Goby</i>	Patin <i>River Catfish</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	15.20	1.43	0.00	0.15	0.08	16.86
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00
Perak	0.00	0.00	0.00	0.00	0.00	0.00
Selangor	8.38	1,821.29	0.00	220.22	10.61	2,060.50
N. Sembilan	28.71	116.59	0.00	0.00	0.00	145.30
Melaka/Malacca	27.53	0.34	0.00	0.00	0.00	27.87
Johor/Johore	7.31	0.00	15.46	0.00	0.72	23.49
Pahang	4.11	0.00	0.00	0.00	0.00	4.11
Terengganu	0.72	0.00	0.00	0.00	0.00	0.72
Kelantan	0.31	0.10	0.00	0.00	0.00	0.41
Sarawak	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
Jumlah/Total:	92.27	1,939.75	15.46	220.37	11.41	2,279.26

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

JADUAL (TABLE) 19.1

MALAYSIA
BILANGAN DAN LUAS KOLAM AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993
NUMBER AND AREA OF BRACKISHWATER PONDS IN OPERATION AND NUMBER OF
CULTURIST BY RACE AND STATE, 1993

Negeri State	Kolam Airpayau Brackishwater Ponds		Bilangan Penternak Number Of Culturists				
	Bilangan Number	Luas (ha) Area (ha)	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	10	4.24	2	3	0	0	5
Kedah	223	126.54	65	8	2	13	88
P.Pinang/Penang	47	15.27	3	6	0	1	10
Perak	279	160.36	33	45	0	7	85
Selangor	405	233.31	49	27	0	9	85
N. Sembilan	43	31.00	1	0	0	5	6
Melaka/Malacca	21	13.30	3	1	0	1	5
Johor/Johore	699	699.98	38	57	0	19	114
Pahang	94	21.00	48	2	0	0	50
Terengganu	120	57.25	48	0	0	0	48
Kelantan	138	52.14	30	3	0	0	33
Sarawak	99	17.15	95	8	0	0	103
Sabah	669	446.28	49	69	0	2	120
Jumlah/Total:	2,847	1,877.82	464	229	2	57	752

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI KOLAM AIRPAYAU/MASIN MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS BY STATE AND FISH SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 19.2

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>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	1.91	0.00	0.00	0.53	30.59	0.00	0.00	0.00	33.03
Kedah	0.31	0.00	0.00	0.00	507.57	0.00	0.02	0.00	507.90
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	504.01	504.01
Perak	0.00	0.00	0.00	0.00	619.12	0.00	0.00	0.00	619.12
Selangor	16.21	0.00	0.00	0.00	1,007.13	7.17	0.00	0.00	1,030.51
N. Sembilan	0.00	0.00	0.00	0.00	94.40	0.00	0.00	0.00	94.40
Melaka/Malacca	11.09	0.00	0.00	0.03	27.37	0.00	0.00	0.04	38.53
Johor/Johore	3.62	0.39	0.00	54.90	632.87	1.50	0.00	4.70	697.98
Pahang	1.33	0.00	0.00	0.80	4.90	0.00	0.00	0.00	7.03
Terengganu	2.28	0.00	0.00	0.00	41.78	1.98	2.09	0.00	48.13
Kelantan	0.93	0.10	0.00	0.00	71.70	0.00	1.09	0.07	73.89
Sarawak	24.09	0.00	0.00	0.00	0.00	7.53	15.28	0.00	46.90
Sabah	0.00	0.00	0.00	0.00	900.00	0.00	0.00	0.00	900.00
Jumlah/Total	61.77	0.49	0.00	56.26	3,937.43	18.18	18.48	508.82	4,601.43

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

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1993
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM'000/Value in RM'000)

JADUAL (TABLE) 19.3

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>	Tilapia Merah <i>Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah Total
Perlis	10.35	0.00	0.00	6.53	361.88	0.00	0.00	0.00	378.76
Kedah	2.72	0.00	0.00	0.00	7,918.09	0.00	0.07	0.00	7,920.88
P.Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,284.09	4,284.09
Perak	0.00	0.00	0.00	0.00	10,729.35	0.00	0.00	0.00	10,729.35
Selangor	142.97	0.00	0.00	0.00	18,621.83	61.30	0.00	0.00	18,826.10
N. Sembilan	0.00	0.00	0.00	0.00	1,467.92	0.00	0.00	0.00	1,467.92
Melaka/Malacca	95.37	0.00	0.00	0.45	501.69	0.00	0.00	0.20	597.71
Johor/Johore	38.41	8.23	0.00	1,313.21	12,239.71	14.25	0.00	84.60	13,698.41
Pahang	10.08	0.00	0.00	5.94	74.33	0.00	0.00	0.00	90.35
Terengganu	18.81	0.00	0.00	0.00	511.81	7.92	9.41	0.00	547.95
Kelantan	7.98	1.60	0.00	0.00	1,033.20	0.00	5.45	0.00	1,048.23
Sarawak	240.82	0.00	0.00	0.00	0.00	67.77	91.67	0.00	400.26
Sabah	0.00	0.00	0.00	0.00	12,600.00	0.00	0.00	0.00	12,600.00
Jumlah/Total	567.51	9.83	0.00	1,326.13	66,059.81	151.24	106.60	4,368.89	72,590.01

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cupak/Cermin dan Talang
 Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel and Queenfish

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1993
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE PONDS
 BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM'000/Value In RM'000)

JADUAL(TABLE) 19.4

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	14.33	0.00	0.00	7.69	452.43	0.00	0.00	0.00	474.45
Kedah	3.27	0.00	0.00	0.00	9,217.47	0.00	0.00	0.00	9220.74
P. Pinang/Penang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,544.11	5544.11
Perak	0.00	0.00	0.00	0.00	12,767.02	0.00	0.00	0.00	12,767.02
Selangor	165.34	0.00	0.00	0.00	20,767.02	75.85	0.00	0.00	21,008.21
N. Sembilan	0.00	0.00	0.00	0.00	1,722.80	0.00	0.00	0.00	1,722.80
Melaka/Malacca	124.21	0.00	0.00	0.59	599.40	0.00	0.00	0.28	724.48
Johor/Johore	46.26	9.85	0.00	1,457.05	14,094.01	18.75	0.00	94.00	15,719.92
Pahang	14.74	0.00	0.00	8.14	99.62	0.00	0.00	0.00	122.50
Terengganu	23.67	0.00	0.00	0.00	543.14	11.88	0.00	0.00	578.69
Kelantan	8.65	1.91	0.00	0.00	1,140.75	75.27	122.22	0.55	1,349.35
Sarawak	288.94	0.00	0.00	0.00	0.00	0.00	0.00	75.27	364.21
Sabah	0.00	0.00	0.00	0.00	13,900.00	0.00	0.00	0.00	13,900.00
Jumlah/Total	689.41	11.76	0.00	1,473.47	75,303.66	181.75	122.22	5,714.21	83,496.48

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cermin dan Talang
 Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel and Queenfish

MALAYSIA
BILANGAN DAN LUAS SANGKAR AIRPAYAU YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993
NUMBER AND AREA OF BRACKISHWATER CAGES IN OPERATION AND NUMBER OF CULTURISTS
BY RACE AND STATE, 1993

JADUAL (TABLE) 20.1

Negeri State	Sangkar Airpayau Brackishwater Cages		Bilangan Penternak No. Of Culturists				
	Bilangan Number	Luas (M2) Area (m2)	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	Jumlah Total
Perlis	95	237.00	0	2	0	0	2
Kedah	1,997	21,178.67	95	13	0	1	109
P.Pinang/ Penang	27,491	246,356.10	1	169	0	0	170
Perak	18,651	126,831.50	38	157	0	3	198
Selangor	7,068	125,672.13	9	22	0	0	31
N. Sembilan	78	707.00	4	0	0	1	5
Melaka/Malacca	116	1,502.51	3	0	0	1	4
Johor/Johore	5541	114,604.34	77	105	0	1	183
Pahang	80	1,321.60	13	0	0	0	13
Terengganu	825	7,903.24	27	0	0	0	27
Kelantan	305	12,183.55	44	0	0	0	44
Sarawak	17	300.00	13	0	0	0	13
Sabah	1,042	9,462.36	69	15	0	2	86
Jumlah/Total:	63,306	668,260.00	393	483	0	9	885

MALAYSIA
ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
MENGIKUT NEGERI DAN SPESIES IKAN, 1993
ESTIMATED FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
BY STATE AND FISH SPECIES, 1993
(Kuantiti dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 20.2

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	8.26	0.00	9.12	17.38
Kedah	39.32	20.29	7.35	0.00	0.00	0.00	0.00	0.00	0.00	66.96
P.Pinang/Penang	984.28	247.28	172.68	119.30	0.84	0.00	12.04	0.00	2.25	1,538.67
Perak	1,242.49	245.00	356.08	0.58	0.00	0.00	0.00	0.00	0.00	1,844.15
Selangor	1,052.54	67.02	80.77	0.00	0.00	0.00	0.00	0.00	0.00	1,200.33
N. Sembilan	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80
Melaka/Malacca	2.70	0.00	0.00	0.00	0.00	0.00	1.75	0.73	5.75	10.93
Johor/Johore	448.66	17.75	222.42	4.15	0.00	0.00	17.32	9.49	12.97	732.76
Pahang	2.80	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	4.13
Terengganu	3.21	1.57	0.00	0.00	0.00	0.00	0.00	0.39	0.06	5.23
Kelantan	21.61	3.50	0.00	1.71	0.00	0.00	0.00	0.69	0.00	27.51
Sarawak	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	3.40
Sabah	0.00	403.00	0.00	0.00	0.00	0.00	237.00	0.00	100.00	740.00
Jumlah/Total:	3,803.41	1,005.41	840.63	125.74	0.84	0.00	276.37	11.70	130.15	6,194.25

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

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

JADUAL (TABLE) 20.3

MALAYSIA
 ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1993
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM '000/Value In RM '000)

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>	Tilapia <i>Merah Red Tilapia</i>	Pelbagai <i>Miscellaneous</i>	Jumlah <i>Total</i>
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	97.72	0.00	27.36	125.08
Kedah	345.23	395.66	80.85	0.00	0.00	0.00	0.00	0.00	0.00	821.74
P. Pinang/Penang	11,516.08	7,455.49	1,906.39	1,216.86	15.46	0.00	116.43	0.00	19.13	22,245.84
Perak	11,182.41	4,975.95	4,465.24	5.80	0.00	0.00	0.00	0.00	0.00	20,629.40
Selangor	9,283.40	1,052.21	753.58	0.00	0.00	0.00	0.00	0.00	0.00	11,089.19
N. Sembilan	25.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.68
Melaka/Malacca	23.22	0.00	0.00	0.00	0.00	0.00	21.00	3.65	28.75	76.62
Johor/Johore	4,760.28	374.70	2,246.44	38.72	0.00	0.00	164.54	66.43	233.46	7,884.57
Pahang	21.22	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	30.20
Terengganu	26.48	31.40	0.00	0.00	0.00	0.00	0.00	1.76	0.24	59.88
Kelantan	185.41	56.00	0.00	14.18	0.00	0.00	0.00	3.45	0.00	259.04
Sarawak	30.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	32.40
Sabah	0.00	12,090.00	0.00	0.00	0.00	0.00	829.50	0.00	3,500.00	16,419.50
Jumlah/Total	37,399.41	26,431.41	9,461.48	1,275.56	15.46	0.00	1,229.19	77.69	3,808.94	79,699.14

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
 Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel and Queenfish.

JADUAL (TABLE) 20.4

MALAYSIA
 ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIRPAYAU/MASIN
 MENGIKUT NEGERI DAN SPESIES IKAN, 1993
 ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER/MARINE CAGES
 BY STATE AND FISH SPECIES, 1993
 (Nilai Dalam RM '000/Value In RM '000)

Negeri/ State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Udang Harimau Tiger Prawn	Ketam Mud Crab	Tilapia Merah Red Tilapia	Pelbagai Miscellaneous	Jumlah Total
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	134.22	0.00	3.65	137.87
Kedah	414.83	437.86	92.61	0.00	0.00	0.00	0.00	0.00	0.00	945.30
P. Pinang/Penang	11,959.00	7,455.49	2,113.60	1,348.09	15.46	0.00	123.41	0.00	24.75	23,039.80
Perak	12,611.27	5,686.45	5,163.16	6.73	0.00	0.00	0.00	0.00	0.00	23,467.61
Selangor	10,735.91	1,166.15	858.59	0.00	0.00	0.00	0.00	0.00	0.00	12,760.65
N. Sembilan	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.10
Melaka/Malacca	30.24	0.00	0.00	0.00	0.00	0.00	26.25	4.38	40.25	101.12
Johor/Johore	5,733.87	448.37	2,651.25	42.87	0.00	0.00	216.50	75.92	259.40	9,428.18
Pahang	31.02	0.00	13.07	0.00	0.00	0.00	0.00	0.00	0.00	44.09
Terengganu	33.32	40.82	0.00	2.24	0.00	0.00	0.00	1.95	0.32	78.65
Kelantan	200.97	66.99	0.00	15.95	0.00	0.00	0.00	3.75	0.00	287.66
Sarawak	36.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	39.20
Sabah	0.00	13,299.00	0.00	0.00	0.00	0.00	1,113.90	0.00	3,700.00	18,112.90
Jumlah/Total	41,816.53	28,601.13	10,892.28	1,415.88	15.46	0.00	1,614.28	89.20	4,028.37	88,473.13

Nota: Pelbagai - Termasuk Ikan-Ikan Tanda, Dengkis, Cupak/Cermin dan Talang.
 Note: Miscellaneous - Includes Snapper, Rabbitfish, Horse Mackerel and Queenfish.

MALAYSIA
BILANGAN DAN LUAS KAWASAN TERNAKAN KERANG SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI 1993
NUMBER AND AREA OF COCKLES CULTURE AND NUMBER
OF CULTURISTS BY RACE AND STATE, 1993

JADUAL(TABLE) 21.1

Negeri State	Ternakan Kerang Cockles Culture		Bilangan Penternak Number Of Culturists				
	Bilangan Number	Luas Kawasan LTS (ha) TOL Area (ha)	Melayu Malays	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	0	0.00	0	0	0	0	0
P. Pinang / Penang	3	1,047.70	58	2	0	0	60
Perak	181	2,679.36	27	140	0	33	200
Selangor	17	653.67	13	0	0	4	17
N. Sembilan	0	0.00	0	0	0	0	0
Melaka/ Malacca	0	0.00	0	0	0	0	0
Johor/Johore	2	45.53	0	1	0	1	2
Pahang	1	7.00	10	0	0	0	10
Terengganu	0	0.00	0	0	0	0	0
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	2	607.29	0	0	0	0	0
Jumlah/Total	206	5,040.55	108	143	0	38	289

MALAYSIA
PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI, 1993
PRODUCTION OF COCKLES BY MONTH AND STATE, 1993
(Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

JADUAL(TABLE) 21.2

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
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	0.00
Kedah	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
P.Pinang/Penang	961.97	928.41	1,028.29	923.16	1,054.88	1,310.79	1,311.92	1,843.61	1,334.77	993.71	776.44	2,151.21	14,619.16
Perak	2,794.47	4,594.59	5,932.48	3,490.99	3,833.35	3,855.33	4,043.60	4,430.25	4,175.29	3,829.87	3,725.37	3,211.35	47,916.94
Selangor	574.57	749.36	702.21	844.40	882.83	821.55	1,277.78	1,666.98	1,369.65	1,473.15	1,333.02	1,392.13	13,087.63
N.Sembilan	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
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	0.00
Johor/Johore	0.00	0.00	0.00	0.00	0.00	0.00	30.24	0.00	14.67	12.63	26.00	25.94	109.48
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	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	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	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	0.00
Sabah	243.86	207.99	131.44	170.86	115.13	191.82	196.26	201.78	154.04	182.63	121.74	104.24	2,021.79
Jumlah/Total	4,574.87	6,480.35	7,794.42	5,429.41	5,886.19	6,179.49	6,859.80	8,142.62	7,048.42	6,491.99	5,982.57	6,884.87	77,755.00

MALAYSIA
PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI, 1993
PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE, 1993
(Kuantiti Dalam Tan Metrik/Quantity in 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
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	0.00
Kedah	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
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	0.00
Perak	10.73	899.18	1,561.14	1,777.60	1,171.93	2,815.56	495.18	0.00	0.00	264.42	474.30	501.27	9,971.31
Selangor	34.99	1,090.32	415.69	90.14	975.11	2,886.18	90.48	0.00	0.00	1,035.30	0.00	0.00	6,618.21
N. Sembilan	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
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	0.00
Johor/Johore	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
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	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	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	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	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	0.00
Jumlah/Total	45.72	1,989.50	1,976.83	1,867.74	2,147.04	5,701.74	585.66	0.00	0.00	1,299.72	474.30	501.27	16,589.52

MALAYSIA
**BILANGAN DAN LUAS KAWASAN TERNAKAN SIPUT SUDU SERTA
 BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993**
**NUMBER AND AREA OF MUSSEL CULTURE IN OPERATION AND NUMBER
 OF CULTURISTS BY RACE AND STATE, 1993**

JADUAL(TABLE) 22.1

Negeri State	Ternakan Siput Sudu Mussel Culture		Bilangan Penternak Number Of Culturists				
	Bilangan Number	Luas (m2) Area (m2)	Melayu Malays	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	21	2,002.97	19	0	0	0	19
P. Pinang / Penang	5	728.00	3	0	0	0	3
Perak	6	1,006.26	6	0	0	0	6
Selangor	15	1,036.00	8	0	0	1	9
N. Sembilan	3	2,619.00	14	0	0	1	15
Melaka/ Malacca	5	5,111.71	40	5	0	1	46
Johor/Johore	3	40,804.90	71	16	0	6	93
Pahang	1	15.00	1	0	0	0	1
Terengganu	0	0.00	0	0	0	0	0
Kelantan	0	0.00	0	0	0	0	0
Sarawak	0	0.00	0	0	0	0	0
Sabah	1	20,000.00	0	0	0	0	11
Jumlah/Total	60	73,323.84	162	21	0	9	203

JADUAL (TABLE) 22.2

MALAYSIA
 PENGELUARAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI, 1993
 PRODUCTION OF MUSSELS BY MONTH AND STATE, 1993
 (Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

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
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	0.00
Kedah	0.00	0.00	0.00	1.12	0.30	2.65	0.00	0.00	0.00	0.00	0.00	0.00	4.07
P.Pinang/Penang	1.66	0.91	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60
Perak	0.68	0.81	0.63	0.94	0.94	0.32	0.00	0.00	0.00	0.38	1.08	1.11	6.89
Selangor	0.59	0.31	1.95	0.98	0.45	0.77	0.53	0.70	3.96	0.60	2.40	2.40	15.64
N. Sembilan	1.20	0.00	0.00	0.00	0.00	0.35	0.71	0.34	0.90	0.00	0.00	0.00	3.50
Melaka/Malacca	2.22	1.90	1.98	0.28	0.16	0.15	2.11	6.91	4.76	16.42	19.88	1.33	58.10
Johor/Johore	99.34	72.30	51.40	0.00	0.00	0.00	342.78	32.34	22.64	213.43	189.50	64.68	1,088.41
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	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	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	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	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.60	0.60	1.00	2.70
Jumlah/Total:	105.69	76.23	55.96	3.35	1.85	4.24	346.13	40.29	32.76	231.43	213.46	70.52	1,181.91

MALAYSIA
BILANGAN DAN LUAS KAWASAN TERNAKAN TIRAM SERTA
BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 1993
NUMBER AND AREA OF OYSTER CULTURE AND NUMBER
OF CULTURISTS BY RACE AND STATE, 1993

JADUAL(TABLE) 23.1

Negeri State	Ternakan Tiram Oysters Culture		Bilangan Penternak Number Of Culturists				
	Bilangan Number	Luas (m2) Area(m2)	Melayu Malays	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
Perlis	0	0.00	0	0	0	0	0
Kedah	14	1,003.04	1	0	0	0	1
P. Pinang / Penang	0	0.00	0	0	0	0	0
Perak	4	216.00	12	0	0	0	12
Selangor	2	144.00	1	0	0	0	1
N. Sembilan	0	0.00	0	0	0	0	0
Melaka/ Malacca	0	0.00	0	0	0	0	0
Johor/Johore	0	0.00	0	0	0	0	0
Pahang	2	60.00	2	0	0	0	2
Terengganu	22	29,205.20	15	0	0	0	15
Kelantan	3	424.51	18	0	0	0	18
Sarawak	0	0.00	0	0	0	0	0
Sabah	4	63,000.00	0	0	0	42	42
Jumlah/Total	51	94,052.75	49	0	0	42	91

JADUAL (TABLE) 23.2

MALAYSIA
PENGELUARAN TIRAM MENGIKUT BULAN DAN NEGERI, 1993
PRODUCTION OF OYSTER BY MONTH AND STATE, 1993
 (Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

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
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	0.00
Kedah	0.00	0.00	0.00	0.31	0.46	0.45	0.51	0.56	0.64	0.00	0.00	0.76	3.69
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	0.00
Perak	0.06	0.00	0.04	0.41	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.65
Selangor	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.02	0.03	0.03	0.02	0.03	0.30
N. Sembilan	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
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	0.00
Johor/Johore	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
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	0.00
Terengganu	0.03	2.16	2.74	0.93	0.86	2.89	3.20	3.65	3.15	3.26	0.73	2.33	25.93
Kelantan	0.18	0.31	0.85	0.63	0.41	1.49	0.37	0.79	0.20	1.03	0.30	0.00	6.56
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	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	0.00
Jumlah/Total:	0.28	2.48	3.64	2.29	1.87	4.88	4.16	5.02	4.02	4.32	1.05	3.12	37.13

MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1993
WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 1993
(RM/Kg)

JADUAL (TABLE) 24.1

Jenis/Negeri Species/State	Lampam Jawa Javanese Carp	Lee Koh Lee Koh	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 Fresh- water Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant Snake- head	Baung River Catfish	Pelbagai Miscell- aneous
Perlis	2.10	2.75	2.60	0.00	12.04	3.00	3.00	4.00	2.93	0.00	0.00	0.00	0.00	0.00	3.00
Kedah	2.80	3.41	4.07	3.61	12.16	3.18	3.73	8.18	3.70	10.00	0.00	3.00	0.00	0.00	2.17
P.Pinang/Penang	2.84	0.00	0.00	0.00	20.75	0.00	4.50	9.50	2.76	0.00	0.00	0.00	0.00	0.00	3.00
Perak	3.42	3.86	3.90	2.18	14.63	3.35	3.71	7.32	3.58	20.15	3.85	5.00	0.00	0.00	1.66
Selangor	4.15	4.26	3.84	2.17	13.55	2.92	4.36	9.28	4.19	26.76	0.00	5.25	0.00	0.00	3.06
N.Sembilan	3.22	3.38	3.19	2.29	10.94	2.54	3.31	5.51	3.88	14.90	4.00	3.50	0.00	0.00	5.76
Melaka/Malacca	3.26	3.00	3.32	1.87	13.67	2.18	3.50	6.86	3.48	26.75	0.00	3.00	0.00	0.00	3.44
Johor/Johore	3.51	3.44	3.75	4.42	16.06	2.72	4.45	7.40	3.74	24.07	0.00	4.50	6.00	7.83	4.91
Pahang	4.08	4.00	3.71	3.83	15.67	3.50	4.58	40.42	4.92	27.08	14.00	5.00	4.00	15.00	2.79
Terengganu	4.00	3.50	4.00	4.00	10.60	3.50	4.10	10.00	4.08	29.00	4.00	5.00	2.22	6.60	1.83
Kelantan	4.08	4.48	4.45	3.67	14.26	3.78	4.21	7.79	3.53	15.87	2.69	4.13	0.00	6.00	3.72
Sarawak	6.00	5.00	6.00	6.00	16.00	3.50	6.00	7.50	6.00	12.00	0.00	6.00	0.00	0.00	6.00
Sabah	6.75	7.40	7.00	7.30	0.00	7.00	7.50	7.40	0.00	0.00	0.00	0.00	0.00	0.00	7.00
Harga Bertimbang Weighted price	5.50	6.86	4.17	3.20	14.71	6.56	4.80	12.04	3.68	21.21	14.00	5.26	5.73	6.60	3.97

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

MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT
NEGERI DAN SPESIES IKAN, 1993
RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS
BY STATE AND FISH SPECIES, 1993
(RM/Kg)

JADUAL (TABLE) 24.2

Jenis/Negeri Species/State	Lampam Jawa Javanese Carp	Lee Koh Lee Koh	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 Fresh- Water Catfish	Ketutu Goby	Belut Eel	Patin River Catfish	Toman Giant Snake- Head	Baung River Catfish	Pelbagai Miscell- aneous
Perlis	2.60	4.00	4.00	0.00	16.00	3.96	3.96	6.50	4.00	0.00	0.00	0.00	0.00	0.00	4.50
Kedah	3.38	4.16	4.15	4.24	15.00	3.80	4.48	9.77	4.56	12.00	0.00	5.00	0.00	0.00	2.83
P.Pinang/Penang	3.12	0.00	0.00	0.00	21.70	0.00	5.00	12.00	4.75	0.00	0.00	0.00	0.00	0.00	4.00
Perak	5.19	5.68	5.46	3.53	18.87	4.48	4.94	9.61	5.30	27.01	4.78	6.00	0.00	0.00	2.62
Selangor	4.92	4.86	4.80	2.73	15.78	3.70	5.56	10.84	5.14	30.70	0.00	6.50	0.00	0.00	4.42
N.Sembilan	4.78	4.93	4.55	4.66	15.42	3.72	4.80	8.03	5.49	29.82	5.25	4.00	0.00	0.00	6.28
Melaka/Malacca	4.20	3.50	4.22	2.34	17.20	2.86	4.80	9.27	4.83	33.64	0.00	5.00	0.00	0.00	3.53
Johor/Johore	4.45	4.24	4.84	5.04	19.04	3.54	5.76	9.42	5.11	28.63	0.00	6.00	6.00	10.25	6.52
Pahang	5.42	5.00	4.83	5.00	21.50	4.58	5.75	48.33	7.08	30.42	14.00	7.00	5.00	18.00	4.04
Terengganu	5.10	4.50	5.00	5.00	14.60	4.40	5.20	12.00	5.17	30.00	6.17	6.88	3.85	10.20	0.00
Kelantan	5.11	5.54	5.34	4.32	17.40	4.76	5.05	8.75	4.48	20.79	6.16	5.38	0.00	6.50	5.10
Sarawak	7.00	6.50	6.80	7.00	20.00	4.50	8.00	8.50	8.00	14.00	0.00	6.50	0.00	0.00	6.50
Sabah	6.75	7.40	7.00	7.30	0.00	7.00	7.50	7.40	0.00	0.00	0.00	0.00	0.00	0.00	7.00
Harga Bertimbang Weighted Price	5.94	7.03	5.41	4.35	18.74	6.67	5.89	14.28	5.08	25.36	14.00	6.91	5.84	10.20	4.76

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

MALAYSIA

JADUAL (TABLE) 25.1

HARGA BORONG IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1993
 WHOLESALE PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND FISH SPECIES, 1993
 (RM/KG)

Negeri State	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Merah Red Snapper	Udang Putih Banana Prawn	Ketam Mud Crab	Udang Harimau Tiger Prawn	Kerang Cockles	Siput Sudu Mussels	Tilapia Merah Red Tilapia	Tiram Oyster	Pelbagai Miscellaneous
Perlis	5.42	0.00	0.00	0.00	12.33	11.83	11.83	0.00	0.00	0.00	0.00	3.00
Kedah	8.78	19.50	11.00	0.00	0.00	7.50	15.60	0.00	0.79	3.73	12.50	5.79
P. Pinang/Penang	11.70	30.15	11.04	10.20	18.40	9.67	20.00	0.40	0.60	0.00	0.00	8.50
Perak	9.00	20.31	12.54	10.00	0.00	0.00	17.33	0.34	0.65	0.00	12.50	0.00
Selangor	8.82	15.70	9.33	10.13	0.00	8.55	18.49	0.26	0.72	0.00	9.24	0.00
N. Sembilan	9.17	0.00	0.00	0.00	15.00	12.00	15.55	0.00	0.74	0.00	0.00	0.00
Melaka/Malacca	8.60	0.00	0.00	0.00	15.00	12.00	18.33	0.00	0.55	5.00	0.00	5.00
Johor/Johore	10.61	21.11	10.10	9.33	23.92	9.50	19.34	0.30	0.39	7.00	8.40	18.00
Pahang	7.58	8.17	6.75	5.67	7.42	7.33	15.17	0.20	0.50	0.00	9.50	0.00
Terengganu	8.25	20.00	5.00	0.00	15.00	4.00	12.25	0.00	0.00	4.50	9.50	4.00
Kelantan	8.58	16.00	0.00	8.29	13.50	0.00	14.41	0.00	0.00	5.00	9.50	6.05
Sarawak	10.00	0.00	0.00	0.00	8.00	9.00	18.00	3.00	0.80	6.00	0.00	0.00
Sabah	15.00	30.00	12.00	12.00	0.00	3.50	14.00	0.60	0.00	0.00	0.00	35.00
Harga Bertimbang Weighted Price	9.82	26.29	11.47	10.14	23.50	4.69	16.77	0.34	0.40	6.10	9.43	12.80

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

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

MALAYSIA

HARGA RUNCIT IKAN AIRPAYAU/MASIN DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN SPESIES IKAN, 1993
 RETAIL PRICES OF BRACKISHWATER/MARINE FISH AT MAJOR MARKETS BY STATE AND FISH SPECIES, 1993
 (RM/KG)

JADUAL (TABLE) 25.2

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>	Ketam <i>Mud Crab</i>	Udang Harimau <i>Tiger Prawn</i>	Kerang <i>Cockles</i>	Siput Sudu <i>Mussels</i>	Tilapia Merah <i>Tilapia Merah</i>	Tiram <i>Oyster</i>	Pelbagai <i>Miscellaneous</i>
Perlis	7.50	0.00	0.00	0.00	14.50	16.25	14.79	0.00	0.00	0.00	0.00	4.00
Kedah	10.55	21.58	12.60	0.00	0.00	9.00	18.16	0.00	1.00	4.48	14.00	7.52
P. Pinang/Penang	12.15	30.15	12.24	11.30	18.40	10.25	22.66	0.60	0.90	0.00	0.00	11.00
Perak	10.15	23.21	14.50	11.60	0.00	0.00	19.48	0.50	1.00	0.00	14.50	0.00
Selangor	10.20	17.40	10.63	11.52	0.00	10.58	20.62	0.49	1.29	0.00	11.55	0.00
N. Sembilan	10.75	0.00	0.00	0.00	17.00	14.50	18.25	0.00	1.00	0.00	0.00	0.00
Melaka/Melacca	11.20	0.00	0.00	0.00	19.64	15.00	21.90	0.00	0.90	6.00	0.00	7.00
Johor/Johore	12.78	25.26	11.92	10.33	26.54	12.50	22.27	0.80	0.78	8.00	14.40	20.00
Pahang	11.08	11.42	9.83	8.08	10.17	9.92	20.33	0.50	1.00	0.00	0.00	0.00
Terengganu	10.38	26.00	6.00	0.00	17.00	6.00	13.00	0.00	0.00	5.75	11.00	5.25
Kelantan	9.30	19.14	0.00	9.33	14.00	0.00	15.91	0.00	0.00	5.33	11.00	7.85
Sarawak	12.00	0.00	0.00	0.00	9.00	10.00	20.00	3.50	1.00	8.00	0.00	0.00
Sabah	17.00	33.00	14.00	14.00	0.00	4.70	16.00	0.80	0.00	0.00	0.00	37.00
Harga Bertimbang Weighted Price	11.00	28.41	12.96	11.26	26.06	6.09	19.13	0.53	0.84	7.00	10.90	15.25

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

MALAYSIA
PENGELUARAN HASIL IKAN HIASAN MENGIKUT NEGERI, 1993
PRODUCTION OF ORNAMENTAL FISH BY STATE, 1993
(BILANGAN DALAM EKOR / NUMBER IN PIECES)

JADUAL (TABLE) 26.1

Negeri/Kumpulan State/Group	Cyprinids Barb/Danio	Cyprinids Goldfish/Koi	Anabantids	Poecilids	Characins	Cichlids	Osteoglossids	Catfish	Loach	Aquatic Plants	Lain-Lain Others	Jumlah Total
Perlis	0	0	0	0	0	0	0	0	0	0	15,634	15,634
Kedah	0	0	0	18,606	0	1,300	0	0	0	0	0	19,906
P.Pinang/Penang	1,486,099	0	222,915	0	0	2,290,825	0	3,715,257	0	0	1,709,018	9,424,114
Perak	4,516,822	11,134,609	0	823,145	0	19,847,975	0	0	0	0	1,373,904	37,696,455
Selangor	3,655,528	7,634,541	0	3,533,740	0	0	0	0	0	0	4,024,418	18,848,227
N.Sembilan	0	5,020	0	2,600	0	3,800	0	0	0	0	2,900	14,320
Melaka/Malacca	0	0	0	0	0	0	0	0	0	0	0	0
Johor/Johore	22,648,452	18,138,623	7,361,177	41,923,227	15,712,649	14,222,821	19,477	823,997	0	1,560,322	102,732	122,513,477
Pahang	0	0	0	0	0	0	0	0	0	0	0	0
Terengganu	0	0	0	0	0	0	0	0	0	0	0	0
Kelantan	0	0	0	0	0	0	0	0	0	0	0	0
Sarawak	35,000	100,000	0	0	0	90,000	0	0	50,000	0	25,000	300,000
Sabah	0	0	39,392	0	0	0	0	0	0	0	0	39,392
Jumlah/Total	32,341,901	37,012,793	7,623,484	46,301,318	15,712,649	36,456,721	19,477	4,539,254	50,000	1,560,322	7,253,606	188,871,525

JADUAL (TABLE) 26.2

MALAYSIA
PENGELUARAN DAN NILAI IKAN HIASAN MENGIKUT NEGERI, 1993
PRODUCTION AND VALUE OF ORNAMENTAL FISH BY STATE, 1993

Negeri <i>State</i>	Pengeluaran(Ekor) <i>Production(Pieces)</i>	Nilai (RM) <i>Value (RM)</i>
Perlis	15,634	4,138.87
Kedah	19,906	5,283.62
P.Pinang/Penang	9,424,114	1,175,952.20
Perak	37,696,455	6,638,420.00
Selangor	18,848,227	3,016,468.83
N.Sembilan	14,320	2,238.61
Melaka/Malacca	0	0.00
Johor/Johore	122,513,477	22,464,493.16
Pahang	0	0.00
Terengganu	0	0.00
Kelantan	0	0.00
Sarawak	300,000	150,000.00
Sabah	39,392	196,760.00
Jumlah/Total	188,871,525	33,653,755.29

MALAYSIA
BILANGAN DAN PENGELUARAN KILANG "FEEDMILL"
MENGIKUT NEGERI, 1993
NUMBER AND PRODUCTION OF FEEDMILLS BY STATE, 1993

JADUAL (TABLE) 27.1

Negeri State	Bilangan Number	Pengeluaran(Tan/Metrik) Production (Tonnes)
Perlis	1	1,811.00
Kedah	5	9,578.61
P.Pinang/Penang	2	320.00
Perak	4	14,600.00
Selangor	0	0.00
N.Sembilan	0	0.00
Melaka/Malacca	1	2,000.00
Johor/Johore	5	7,346.00
Pahang	6	3,614.00
Terengganu	0	0.00
Kelantan	1	10.00
Sarawak	0	0.00
Sabah	7	17,000.00
Jumlah/Total	32	56,279.61

MALAYSIA
 BILANGAN DAN PENGELUARAN PUSAT PENGELUARAN BENIH IKAN/UDANG SWASTA
 MENGIKUT NEGERI, 1993
 NUMBER AND PRODUCTION OF PRIVATE FISH/PRAWN FRY HATCHERY CENTRE
 BY STATE, 1993

Negeri <i>State</i>	Bilangan <i>Numbers</i>	Pengeluaran(Juta Ekor) <i>Production (Million Pieces)</i>	
		Benih Udang <i>Prawn Fry</i>	Benih ikan <i>Fish Fry</i>
Perlis	0	0.00	0.00
Kedah	11	58.00	22.75
P.Pinang/Penang	1	160.00	0.00
Perak	10	82.80	0.26
Selangor	8	55.00	10.00
Wilayah Persekutuan Kuala Lumpur	0	0.00	0.00
Negeri Sembilan	2	0.30	1.63
Melaka/Malacca	9	0.00	9.79
Johor/Johore	9	274.29	0.00
Pahang	1	0.00	1.59
Terengganu	2	30.66	0.00
Kelantan	1	6.00	0.00
Sarawak	0	0.00	0.00
Sabah	0	0.00	0.00
Jumlah	54	667.05	46.02

PERAIRAN UMUM/PERIKANAN DARAT
PUBLIC WATER BODIES/INLAND FISHERIES

MALAYSIA
PENDARATAN IKAN AIRTAWAR DARI PERAIRAN UMUM /PERIKANAN DARAT MENGIKUT BULAN DAN NEGERI, 1993
LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES /INLAND FISHERIES BY MONTH AND STATE, 1993
(Kuantiti Dalam Tan Metrik/Quantity in Tonnes)

JADUAL (TABLE) 29.1

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
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	1.08	4.20	1.30	1.50	0.00	1.11	9.19
Kedah	12.02	13.65	10.23	8.06	7.07	6.84	8.10	7.67	9.33	10.55	10.23	10.46	114.21
P.Pinang/Penang	0.23	0.33	0.19	0.32	0.33	0.37	0.35	0.36	0.36	0.38	0.31	0.35	3.88
Perak	71.78	91.09	69.68	79.44	77.47	68.48	82.52	97.62	66.64	91.82	72.18	53.49	922.21
Selangor	4.83	5.34	6.03	6.94	7.06	7.61	6.74	73.92	94.64	8.58	9.33	9.33	240.35
N. Sembilan	0.79	0.33	0.24	0.31	0.30	0.29	0.25	0.32	0.31	0.33	0.50	0.96	4.93
Melaka/Malacca	1.91	2.64	2.44	4.66	2.20	2.16	1.91	3.50	1.92	1.66	1.51	1.09	27.60
Johor/Johore	14.75	16.93	15.11	13.04	11.65	11.40	10.60	9.57	10.68	20.82	12.93	23.72	171.20
Pahang	15.14	21.21	29.25	10.02	10.85	10.80	14.26	16.00	19.32	18.80	20.61	25.02	211.28
Terengganu	7.31	6.99	7.37	8.20	10.01	10.58	8.18	6.65	7.94	21.61	10.57	16.73	122.14
Kelantan	4.96	6.05	4.53	4.04	3.09	3.22	2.47	3.41	3.10	5.29	0.55	7.68	48.39
Sarawak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sabah	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	96.00
Jumlah/Total:	141.72	172.56	153.07	143.03	138.03	129.75	144.46	231.22	223.54	189.34	146.72	157.94	1,971.38

Nota : NA - Tiada Maklumat
 Note : NA - Not Available.

**KLASIFIKASI PERANGKAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA**

*STANDARD STATISTICAL CLASSIFICATION OF COMMON
MALAYSIAN FRESHWATER FISHES*

DAN (AND)

**KLASIFIKASI PERANGKAAN PIAWAIAN IKAN-IKAN
LAUT MALAYSIA**

*STANDARD STATISTICAL CLASSIFICATION OF MALAYSIAN
MARINE FISHES*

**KLASIFIKASI PERANGKAAAN PIAWAIAN IKAN-IKAN
AIRTAWAR MALAYSIA**

**STANDARD STATISTICAL CLASSIFICATION OF
COMMON MALAYSIAN FRESHWATER FISHES**

ISSCAAP Code	Division group of species	English Name	Scientific Name
1	FRESHWATER FISHES		
11	Carp, Barbels and Others	Carp	<i>Acrossocheilus hexagonoiepis</i>
		Big Head Carp	<i>Aristichthys nobilis</i>
		Edible Gold Fish	<i>Carassius auratus</i>
		Mud Carp	<i>Cirrhina molitorella</i>
		Grass Carp	<i>Ctenopharyngodon idella cyprinids</i>
		Carp	<i>Cyclocheilichthys apogon</i>
		Common Carp	<i>Cyprinus Carpio</i>
		Carp	<i>Epalzeorhynchus kalopterus</i>
		Carp	<i>Hampala macrolepidota</i>
		Silver Carp	<i>Hypophthalmichthys molitrix</i>
		Carp/Barb	<i>Labiobarbus fasciatus</i>
		Carp/Barb	<i>Labiobarbus ocellatus</i>
		River Carp	<i>Leptobarbus hoevenii</i>
		Carp	<i>Morulus chrysophekadion</i>
		Black Carp	<i>Mylopharyngodon piceus</i>
		Carp	<i>Mystacoleucus marginatus</i>
		Carp	<i>Osteochilus hasseltii</i>

ISSCAAP Code	Division group of species	English Name	Scientific Name
		Carp	<i>Oxygaster anomalura</i>
		Carp	<i>Oxygaster spp.</i>
		Giant River Carp	<i>Probarbus Jullieni</i>
		Common Barb	<i>Puntius binotatus</i>
		Carp/Barb	<i>Puntius bulu</i>
		Carp/Barb	<i>Puntius daruphani</i>
		Javanese Carp	<i>Puntius gonionotus</i>
		Spanner Barb	<i>Puntius lateristriga</i>
		River Carp	<i>Puntius schwarefeldii</i>
		Rasbora	<i>Einthovenii</i>
		Two-spot Rasbora	<i>Rasbora elegans</i>
		River Carp	<i>Tilapia mossambica</i>
1 2	Tilapias and Cichlids	Tilapia	<i>Tilapia mossambica</i>
1 3	Miscellaneous freshwater fishes	Climbing Perch	<i>Anabas tertudineus</i>
		River Eel	<i>Anquilla bicolor/A. nebulosa</i>
		White Spot	<i>Aplocheilichthys panchax</i>
		Loach	<i>Botia spp.</i>
		Freshwater Catfish	<i>Slarias batrachus/C. macrocephalus</i>
		Freshwater Catfish	<i>Clarias nieuhofii</i>
		Swamp Eel	<i>Fluta alba</i>

ISSCAAP Code	Division group of species	English Name	Scientific Name
		Kissing Gourami	<i>Helostoma temminckii</i>
		Loach	<i>Homaloptera spp.</i>
		River Catfish	<i>Mystus nemurus</i>
		River Catfish	<i>Mystus wyckii</i>
		Feather back	<i>Notopterus notopterus</i>
		Giant Gourami	<i>Osphronemus goramy</i>
		Snake Head	<i>Ophicephalus lucius</i>
		Snake Head	<i>Ophicephalus micropeltes</i>
		Snake Head	<i>Ophicephalus striatus</i>
		Goby	<i>Oxyeleotris marmoratus</i>
		River Catfish	<i>Pangassius micronemus</i>
		River Catfish	<i>Pangassius pangassius</i>
		Perch	<i>Pristigaster fasciatus</i>
		Scleropages	<i>Scleropages formosus</i>
		Snakeskin Gouramy	<i>Trichogaster pectoralis</i>
		Two-spot Gouramy	<i>Trichogasterichopterus</i>
		Giant River Catfish	<i>Wallago spp.</i>
4	CRUSTACEANS		
4 1	Freshwater Crustaceans	Giant Freshwater Prawn	<i>Macrobrachium rosenbergii</i>

**KLASIFIKASI PERANGKAAN PIAWAIAAN IKAN-IKAN
LAUT MALAYSIA**

**STANDARD STATISTICAL CLASSIFICATION OF
MALAYSIAN MARINE FISHES**

ISSCAAP Code	Division group of species	English Name	Scientific Name
2	DIADROMOUS FISHES		
2 4	Shads, Milk-fishes, etc.	+ Chacunda shad (Gizzard shad)	<i>Anodontosoma chacunda</i>
		+ Shad	<i>Pellona spp.</i>
		+ Slender shad	<i>shadllisha elongata</i>
		0 Longtail shad	<i>Shad Hilsa macrura</i>
2 5	Miscellaneous diadromous fishes	+ Giant sea perch (Barramundi)	<i>Lates calcarifer</i>
3	MARINE FISHES		
3 1	Flounders, Halibuts, Soles, etc.	+ Tonguefish (Tongue sole)	<i>Cynoglossus spp.</i>
		+ Flatfish	<i>Pseudorhombus spp.</i>
3 3	Redfishes, Basses, Congers, etc.	+ Parrotfish	<i>Callyodon spp. / Thalassoma spp.</i>
		+ Goatfish	<i>Upeneus spp.</i>
		+ Spotted sicklefish	<i>Drepane punctata</i>
		+ Fusilier	<i>Caesioerythrogaster/C. chrysona</i>
		+ Spinefeet (Rabbit fish)	<i>Siganus spp.</i>
		+ Marine catfish	<i>Tachysurus spp./Arius spp./ Osteogenius spp.</i>
		+ Jewfish	<i>Sciaena spp/Johnius spp. Otolithus spp/Otolithoides spp.</i>

ISSCAAP Code	Division group of species	English Name	Scientific Name
		+ Grunter	<i>Promadasys spp.</i>
		+ Triggerfish	<i>Abalistes stellaris</i>
		+ Mangrove snapper	<i>Lutianus johni</i>
		+ Sweetlip	<i>Spilotichthys pictus</i>
		+ Majorras (Silver biddies)	<i>Gerres filamentosus/G. abbreviatus</i>
		+ Grouper	<i>Epinephelus spp/Plectropomus spp.</i>
		+ Threadfin bream	<i>Namipterus spp.</i>
		+ Sharptoothed bass	<i>Pristipomoides typus</i>
		+ Ponyfish (Slipmouth)	<i>Leiognathus spp/Gazp spp/Secutor spp</i>
		+ Bombay-duck	<i>Harpodon nehereus</i>
		+ Conger eel	<i>Muraenesox spp.</i>
		+ Red snapper	<i>Lutianus argentimaculatus/ L. malabaricus</i>
		+ Lizard fish	<i>Sauride spp.</i>
		+ Sillago-whittings	<i>Sillago sihama/S. maculata</i>
		+ Monocle bream	<i>Scolopsis spp.</i>
		+ Emperors (Scavengers)	<i>Lethrinus spp.</i>
		+ Spadefish	<i>Ephippus orbis</i>
		+ Snapper	<i>Lutianus vitta/L. lineolatus</i>
		+ Catfish eel	<i>Plotosus spp.</i>
		+ False trevally	<i>Lactarius lactarius</i>
		+ Snapper	<i>Lutianus russelli</i>

ISSCAAP Code	Division group of species	English Name	Scientific Name
3 4	Jacks, Mulletts, Sauries, etc.	+ Amberjack	<i>Seriolanigra fasciata</i>
		+ Barracuda	<i>Sphyraena jello/S. optusa</i>
		+ Black kingfish	<i>Rachycentron canadus</i>
		0 Black pomfret	<i>Formioniger</i>
		0 Black pomfret	<i>Pampus argenteus</i>
		0 Chinese pomfret	<i>Pampus chinensis</i>
		0 Small pomfret	<i>Pampus spp.</i>
		0 Mullet	<i>Liza spp/valamugi spp.</i>
		+ Horse mackerel (Trevally)	<i>Alectis indicul/Caranx spp.</i>
		0 Hardtail scad	<i>Megalaspis Cordyla</i>
		+ Horse mackerel (Trevally)	<i>Carangoides spp.</i>
		+ Golden trevally	<i>Carancspeciosus</i>
		0 Threadfin	<i>Polynemus spp/Eleutheronema tetradactylum</i>
		0 Horse mackerel (Trevally)	<i>Caranx sexfasciatus</i>
		0 Ox-eye scad	<i>Selar boops</i>
		0 Big-eye scad	<i>Selar crymenophthalmus</i>
		0 Rainbow runner	<i>Elagatis bipinnulatus</i>
		0 Selar scad	<i>Selar spp.</i>
		0 Yellow striped trevally	<i>Selaroides leptolepis</i>
		0 Round scad	<i>Decapterus maruadis/D. macrosoma</i>
		0 Queenfish (Leatherskin)	<i>Scomberoides commersonianus</i>

ISSCAAP Code	Division group of species	English Name	Scientific Name
3 5	Herrings, Sardines, Anchovies, etc.	0 Fringescale sardinella	<i>Sardinella fimbriate</i>
		0 Rainbow sardine	<i>Dussumieria acuta</i>
		0 Achovy	<i>Stolephorus spp.</i>
		0 Dorab wolf-herring	<i>Chirocentrus dorab</i>
		+ Indo-Pacific tarpon	<i>Megalops cyprinoides</i>
3 6	Tunas, Bonitos	0 Longtail tuna	<i>Thunnus tonggol</i>
		0 Kawakawa (eastern little tuna)	<i>Euthynnus affinis</i>
	Billfishes, etc.	0 Frigate tuna	<i>Auxis thazard</i>
		0 Sailfish/Black & Blue marine	<i>Istiophorus spp./Makaira spp.</i>
		0 Spanish mackerel	<i>Scomberomorus spp.</i>
3 7	Mackerels, Snoeks, Cutlass, fishes, etc.	0 Indian mackerel	<i>Rastrelligerkanagurta/R. brachysoma/ R. taughni</i>
		+ Large-head hairtail (Ribbon fish)	<i>Trichiurus lepturus</i>
3 8	Sharks, Rays, Chimaeras, etc.	+ Shark	<i>Galeorhinidae</i>
		+ Ray	<i>Gymnura spp./Dasyatis spp.</i>
3 9	Miscellaneous marine fishes	+/0 Trash fish	<i>Mixed spp.</i>
		+/0 Mixed fishes	<i>Mixed spp.</i>

ISSCAAP Code	Division group of species	English Name	Scientific Name
4	CRUSTACEANS		
4 2	Sea spiders, Crabs, etc.	Mud Crab	<i>Portunus pelagicus</i> <i>Scyllaserrata</i>
4 3	Lobsters, Spiny rock lobsters, etc.	Spiny lobster	<i>Panulirus polyhagus</i>
		Slipper lobster	<i>Thenus orientalis</i>
4 5	Shrimps, Prawns, etc.	Banana prawn/Western king prawn	<i>Penaeus merguensis/P. indicus/</i> <i>P. latisulcatus</i>
		Giant tiger prawn/ Green tiger prawn	<i>Penaeus monodon/P. semisulcatus</i>
		Sand prawn	<i>Metapeneopsis stridulans &</i> <i>M. berbeensis/Trachypenaeus fulvus</i>
		Small white prawn	<i>Metapenaeus lysianassa</i>
		Yellow prawn	<i>Metapenaeus brevicornis</i>
		Pink prawns/Greasyback prawns	<i>Metapenaeus affinis/M. ensis/</i> <i>M. intermedius</i>
		Rainbow prawn	<i>Parapenaeopsis sculptilis</i>
		Sharp-rostrum prawn	<i>Paarapenaeopsis hardwickii/</i> <i>P. coromandelica/P. hungerfordi/</i> <i>P. gracilima</i>
		Red prawn	<i>Solenocera subnuda</i>
5	MOLLUSCS		
5 3	Oysters	Rock oysters/Flat oysters	<i>Ostrea folium/Crassostrea spp.</i>
5 4	Mussels	Green mussel	<i>Perna viridis</i>
		Sea-Green mussel	<i>Clauconome spp.</i>

ISSCAAP Code	Division group of species	Local Name	English Name	Scientific Name
5 6	Clams, Cockles, Arkshells, etc.	Kerang Retak seribu Lain-lain siput	Blood cockle Carpet clam Other clams/Snails	<i>Anadara granosa</i> <i>Paphia undulata</i> <i>Bivalves/Gastropods</i>
5 7	Squids, Cuttlefishes, Octopuses, etc.	Sotong biasa/Cumit-cumit Sotong katak Sotong kereta	Common squid Cuttlefish Octopus	<i>Loligo spp.</i> <i>Sepia spp.</i> <i>Octopodidae</i>
7	MISCELLANEOUS			
7 6	Sea-urchins, Sea-cucumbers & other echinoderms	Trepang	Sea cucumbers (Beche-de-mer)	<i>Holothuriodea</i>
7 7	Miscellaneous Aquatic invertebrates	Ubur-ubur	Jellyfish	<i>Rhopilema spp.</i>

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 & anchovy) drift/gill nets and lift nets are considered pelagic.

ISSCAAP = International Standard Statistical Classification of Aquatic Animals and Plants.