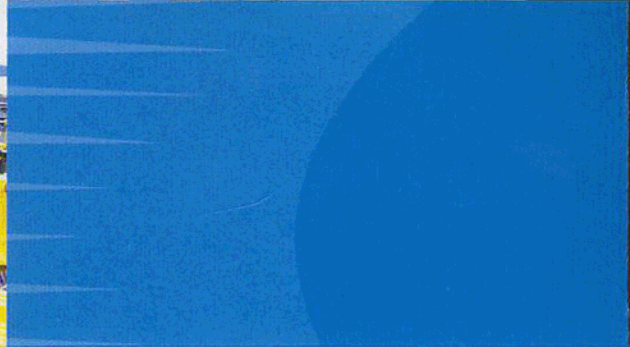




PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

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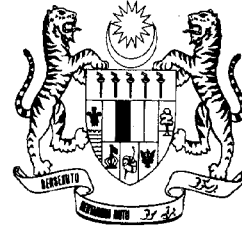
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KEMENTERIAN PERTANIAN MALAYSIA
MINISTRY OF AGRICULTURE MALAYSIA

BAHAGIAN PERIKANAN
FISHERIES DIVISION

PERANGKAAN TAHUNAN PERIKANAN
ANNUAL FISHERIES STATISTICS

1981

SEKSI PERANGKAAN
(STATISTICS SECTION)

NOVEMBER, 1982
KUALA LUMPUR

DICETAK OLEH JABATAN PERCETAKAN NEGARA, KUALA LUMPUR
MOKHTAR BIN HAJI SHAMSUDDIN, J.S.D., S.M.T., K.M.N., P.I.S.,
PEMANGKU KETUA PENGARAH
1983

PENDAHULUAN

Siri tahunan ini adalah diterbitkan untuk memudahkan mereka yang berminat tentang perusahaan perikanan di Malaysia dengan sedikit maklumat-maklumat asasi. Untuk tujuan ini kami cuba menyediakan perangkaan yang meliputi hampir semua aspek industri ini. Methodoloji yang digunakan untuk mengutip perangkaan tangkapan adalah peringkat satu dan peringkat dua sampling, manakala perangkaan mengenai nelayan, bot dan alat menangkap ikan disediakan dari rekod-rekod perlesenan. Perangkaan mengenai perdagangan adalah diambil daripada sumber-sumber Jabatan Perangkaan.

Kami berharap untuk memikirkan bahawa kami telah berjaya di dalam percubaan kami untuk mempersembahkan semua ini dalam gambaran yang benar dan tepat berhubung dengan perusahaan perikanan dalam tahun 1980. Walaupun kami terus meneruskan cuba memperbaiki serta memperkemaskan lagi penerbitan ini, kami mengalu-alukan sebarang cadangan dan teguran-teguran untuk lebih memperbaiki lagi taraf kandungan serta persembahan siri ini.

FOREWORD

This annual series is published to facilitate all those who have an interest in the fishing industry of Malaysia with some basic information. To this end we have tried to provide statistics on as many aspects of the industry as possible. The methodology used in the collection of catch statistics was a combination of both a single-stage and a two-stage sampling method, while statistics on fishermen, fishing boats and fishing gears were compiled from licensing records. Trade statistics were derived from Department of Statistics sources.

We hope to think we have succeeded in our attempt to present in a comprehensive manner, a true and accurate picture of the fishing industry in 1980. Albeit we try continuously to correct and improve this publication, we will only be too pleased to receive suggestions and criticisms to further improve the content and presentation of this series.

EDWIN JAMES SAVARIRAJ,
Pegawai Perikanan (Perangkaan)
Fisheries Officer (Statistics)

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KAJIAN SEMULA KEDUDUKAN PERIKANAN LAUT TAHUN 1981

SEMANANJUNG MALAYSIA

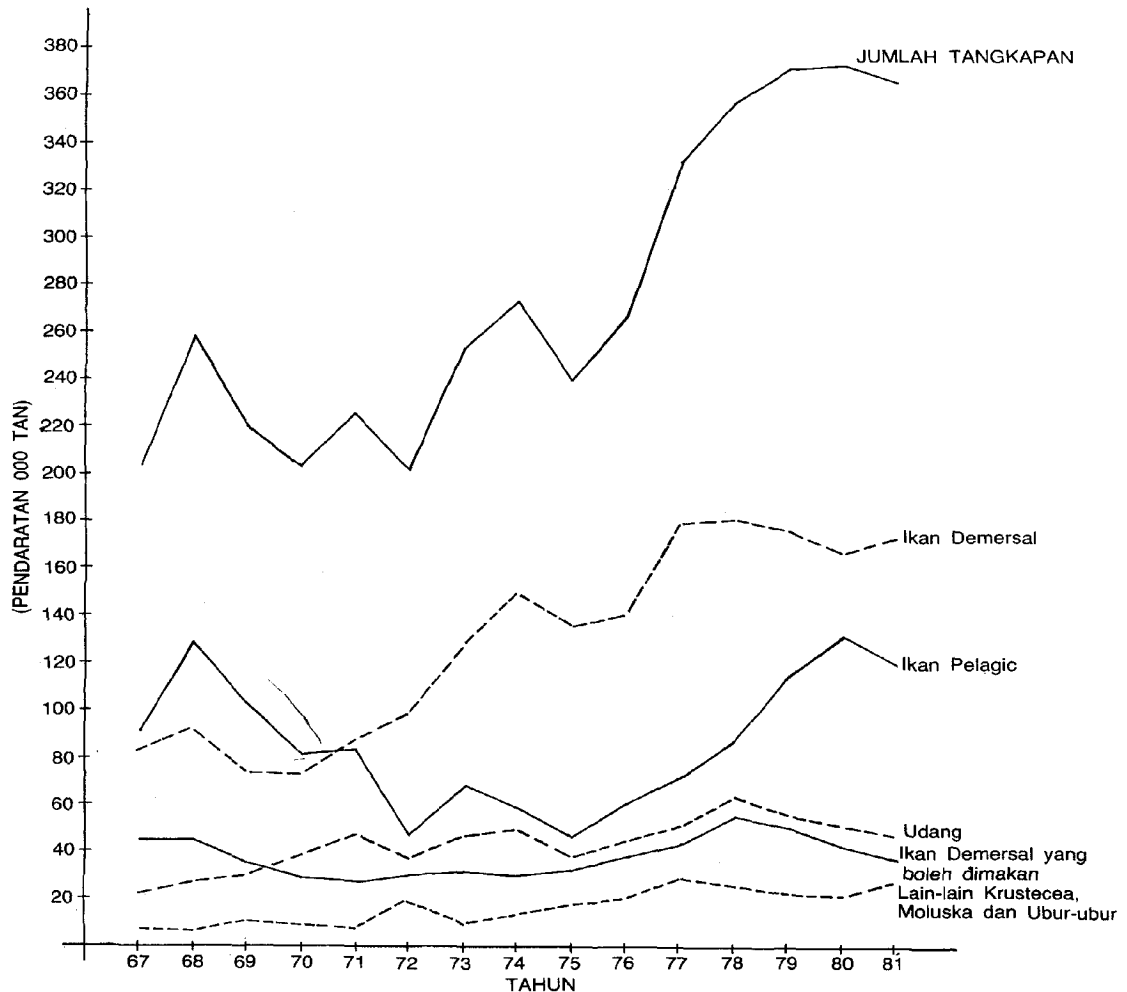
Aliran Pendaratan Ikan Laut

Sektor perikanan laut di Semenanjung Malaysia telah merekodkan satu pertumbuhan yang luar biasa ke atas pendaratan ikan dalam masa 15 tahun yang lalu. Daripada 306,686 metrik tan dalam tahun 1967 pendaratan telah bertambah kepada 649,315 metrik tan dalam tahun 1981. Perkembangan ini, walaupun adalah begitu impressif tetapi ini memerlukan pertimbangan yang serius kerana ini telah berlaku semuanya di dalam perairan kita Malaysia. Oleh kerana sumber-sumber perikanan dalam perairan Malaysia adalah terhad dengan satu titik "Maximun Sustainable Yield" (MSY) yang ditetapkan, peningkatan dalam pendaratan ini yang disebabkan oleh penekanan penangkapan hendaklah diawasi dengan rapi untuk mengendalikan eksploitasi berlebihan ke atas sumber-sumber perikanan.

Untuk tujuan analisa ini siput (yang mana lebih kurang semuanya adalah kerang) adalah terkecuali daripada jumlah pendaratan, oleh kerana ia adalah satu hasil ternakan tepi pantai. Pantai Barat dan Pantai Timur Semenanjung Malaysia adalah juga dianalisa secara berasingan kerana sumber-sumber di dalam kawasan ini adalah jelas berbeza di antara satu sama lain.

Pantai Barat

Pantai Barat, yang bersempadan dengan Selat Melaka, bertanggungjawab mendaratkan 2/3 dari jumlah pendaratan Semenanjung Malaysia. Ini adalah kerana akibat daripada perkembangan yang begitu besar di kawasan ini, jika dibandingkan dengan Pantai Timur, daripada akhir tahun 60 an hingga tahun-tahun akhir 70 an. Dalam tempoh 15 tahun yang lalu pendaratan telah meningkat sebanyak 78% daripada 203,175 metrik tan pada tahun 1967 kepada 362,282 metrik tan pada tahun 1981.



RAJAH 1: PANTAI BARAT ALIRAN PENDARATAN, 1967 - 1981

Rajah 1 di atas menunjukkan keadaan yang jelas tiga puncak dalam jangkamasa ini iaitu dalam tahun 1968, 1974 dan 1980 dengan jarak 6 tahun di antara puncak-puncak tersebut. Puncak pertama dan ketiga adalah disebabkan pendaratan yang banyak ke atas jenis ikan pelagik sementara puncak kedua disebabkan oleh pendaratan yang banyak ke atas jenis ikan demersal. Juga tidak seperti puncak-puncak di tahun 1968 dan 1974, puncak di tahun 1980 telah mengalami satu peningkatan yang tinggi dalam pendaratannya yang berlaku dalam jangkamasa yang panjang. Analisa mengenai aliran jenis sumber ikan adalah seperti berikut.

Pendaratan ikan demersal, kebanyakannya oleh Pukat Tunda, bertambah daripada 83,317 metrik tan dalam tahun 1967 kepada 171,995 metrik tan atau 40% dari jumlah pendaratan dalam tahun 1981. Sebab utama peningkatan ini ialah pendaratan ikan baja, yang dihasilkan oleh Pukat Tunda, yang mana telah bertambah daripada 38,658 metrik tan dalam tahun 1967 kepada 135,192 metrik tan dalam tahun 1981. Komponen ikan yang boleh dimakan dalam pendaratan ikan demersal, sebaliknya walau bagaimanapun telah merosot sejak puncak tahun 1968 dan mencapai titik yang rendah pada tahun 1975. Selepas tahun 1975, untuk tiga tahun yang berturut-turut pendaratan ikan demersal yang boleh dimakan bertambah sehingga mencapai ke titik yang tinggi pada tahun 1978 dan kemudiannya terus merosot semula. Bahagian pendaratan ikan demersal yang boleh dimakan terus merosot. Manakala ikan yang boleh dimakan mengandungi 54% dari jumlah pendaratan ikan demersal dalam tahun 1967, dalam tahun 1981 ia hanya berjumlah sebanyak 21%. Bakinya adalah ikan baja. Aliran dalam pendaratan ikan baja ini adalah disebabkan terutama bertambahnya masa menunda dalam masa beberapa tahun kebelakangan ini. Manakala di akhir tahun 60an dan diawal tahun 70an bot-bot pukat tunda telah keluar menangkap ikan pada tiap-tiap hari dan memukat dalam jangkamasa satu jam setiap kali memukat, di akhir tahun 70an, mereka yang mengusahakan bot pukat tunda telah keluar menangkap ikan dalam tempoh lebih dari sehari setrip dan purata jangkamasa mereka sekali memukat pada ketika ini adalah selama 3 jam. Walaupun bilangan bot pukat tunda telah bertambah lebih kurang enam kali di antara tahun 1967 dan tahun 1981, usaha menangkap ikan sebenarnya telah bertambah lagi dengan perubahan operasi pukat tunda ini. Walaupun usaha menunda telah bertambah tetapi pendaratan, sebaliknya pendaratan yang bertambah adalah tidak sama dengan penambahan usaha, "penambahan pendaratan telah berlaku dengan satu kadar yang merosot dan untuk beberapa tahun", pada masa ini peningkatan dalam pendaratan telah diberhentikan dan satu kemerosotan telah bermula.

Bengkel FAO/SCSP di atas sumber-sumber perikanan dalam tahun 1976 telah menganggarkan MSY ikan demersal di perairan Selat Melaka sebanyak 160,000 metrik tan, yang mana 110,000 metrik tan terdapat di perairan tepi pantai, 50,000 metrik tan dalam kawasan jauh dari pantai. Sumber-sumber yang jauh dari pantai kurang memuaskan dan tidak memberi sumbangan yang penting dalam pendaratan. Penangkapan ikan terutamanya dijalankan dekat kawasan pantai di mana sumber-sumber telahpun ditangkap terlalu berlebihan. Pendaratan di sini telah melebihi MSY iaitu 110,000 metrik tan semenjak tahun 1973. MSY di seluruh Selat Melaka (iaitu 160,000 metrik tan) telah dilebihi sejak tahun 1977. Selepas pertambahan yang kecil dalam pendaratan ikan demersal dalam tahun 1978, jumlah pendaratan ikan demersal telah mula merosot semenjak tahun 1978. Dalam kemerosotan ini didapati ikan baja telah bertambah (pendaratan) dalam tahun 1981, manakala ikan demersal yang boleh dimakan terus merosot. Kedudukan sumber ikan demersal di perairan Selat Melaka adalah satu sumber eksploitasi yang berlebihan dan pertambahan ikan baja tahun 1981 mungkin hasil daripada satu percubaan akhir oleh bot pukat tunda untuk terus berada di dalam perusahaan perikanan melalui usaha menangkap ikan yang intensif, walaupun tindakan ini membahayakan kedudukan kandungan sumber-sumber ikan demersal yang terdapat di sini.

Aliran pendaratan udang baru-baru ini adalah sama dengan pendaratan ikan demersal. Ugang telah mempunyai musim yang baik dalam tahun 1971, 1974 dan 1978. Oleh kerana kebanyakan didaratkan oleh bot-bot pukat tunda, pertambahan ke atas bilangan bot pukat tunda juga mengakibatkan bertambahnya pendaratan udang dalam tempoh 15 tahun ini. Tetapi baru-baru ini bahagian udang yang didaratkan oleh bot pukat tunda terus merosot berbanding dengan alat tangkapan lain seperti pukat hanyut dan pukat bakul yang mana telah bertambah bahagian tangkapan udang mereka. Manakala semasa pada tahun 1978 pukat-pukat tunda telah bertanggungjawab mendaratkan sebanyak 71% daripada jumlah semua udang yang didaratkan, tetapi dalam tahun 1981 pendaratan udang oleh bot pukat tunda adalah hanya 48%, sementara udang yang didaratkan oleh lain-lain alat bertambah kepada 52% dari jumlah pendaratan udang. Perubahan ini mungkin adalah satu daripada akibat penguatkuasaan undang-undang dengan menahan bot pukat tunda daripada menangkap ikan terlalu berhampiran dengan kawasan pantai dengan ketat baru-baru ini. Walau apa pun alasan yang diberikan, perkara utama ialah pendaratan udang selepas tahun 1978 telah terus merosot. MSY untuk stok udang adalah dianggarkan sebanyak 53,000 metrik tan oleh bengkel FAO/SCSP dalam tahun 1976. Walau bagaimanapun anggaran ini nampaknya terlalu tinggi. Anggaran Institut Penyelidikan Perikanan sebanyak 40,000 metrik tan dalam tahun 1973 nampaknya ini lebih realistik. Walaupun anggaran MSY dari Institut Penyelidikan Perikanan telah ditangkap lebih dalam tahun 1971 dan pendaratan udang selepasnya telah turun-naik dalam lingkungan MSY ini hingga tahun 1978 bila mana mereka mencapai tingkat yang tertinggi iaitu 63,017 metrik tan dan berikutnya telah terus merosot dalam tiga tahun berakhir ini.

Pertumbuhan perusahaan perikanan di Pantai Barat di akhir tahun 60an dan dalam tahun-tahun 70an adalah sebab utama kepada pengenalan dan pembangunan seterusnya dalam perusahaan perikanan pukat tunda. Menunda adalah perkara utama yang mempercepatkan pertumbuhan ini. Walau bagaimanapun, dengan kemerosotan dalam ikan-ikan demersal yang boleh dimakan (walaupun pendaratan ikan baja bertambah) dan udang, kedua-dua kebanyakannya didaratkan oleh bot pukat tunda, seolah-olah menandakan bahawa era pertumbuhan pukat tunda di Pantai Barat telah sampai ke akhirnya. Bahagian pendaratan pukat tunda dari jumlah pendaratan (kecuali ikan baja) antara tahun 1978 dan 1981 jelas menunjukkan perkara tersebut. Sepertimana puncak pendaratan pukat tunda tahun 1978 pukat tunda telah menyumbang sebanyak 55% ke atas jumlah pendaratan ikan yang boleh dimakan, dalam tahun 1981 ia telah menurun sehingga 35% sahaja.

Pendaratan ikan pelagik, selepas mencapai puncaknya dalam tahun 1968, secara umum telah menurun sehingga tahun 1975. Tetapi semenjak tahun 1976 pendaratan ikan pelagik bertambah dengan baik dan sampai ke puncak yang tertinggi dalam tahun 1980. Secara kebetulan, puncak pendaratan tahun 1980 iaitu 131,154 metrik tan adalah hampir sama tinggi dengan puncak tahun 1968 iaitu 129,448 metrik tan. Walaupun MSY untuk sumber ikan pelagik telah dianggarkan pada 88,000 metrik tan oleh bengkel FAO/SCSP dalam tahun 1976, jumlah pendaratan telah melebihi MSY dalam jangkamasa tahun 1967-1969 dan dalam jangkamasa tahun 1979-1981. Dari tahun 1970 sehingga 1978 pendaratan ikan pelagik berada dengan baik di bawah paras MSY. Diambil kira musim ikan pelagik dan aliran-aliran yang lepas sebagai petunjuk, pendaratan ikan pelagik yang mana merosot dalam tahun 1981 akan terus merosot untuk beberapa tahun sehingga ia sampai ke satu titik berhampiran paras MSY. Selepas itu mungkin turun-naik dalam lingkungan peringkat MSY ini. Ia akan mengambil satu dekad lagi sebelum puncak yang lain sama seperti puncak tahun 1980 dicapai.

Tidak seperti perusahaan perikanan yang berasaskan sumber ikan demersal, perusahaan ikan pelagik tidak akan terhapus sebab ikan pelagik adalah berpindah-pindah secara semula jadi mengikut musim. Lebih-lebih lagi, kebanyakan ikan pelagik didaratkan oleh pukat jerut, yang mana bilangannya bertukar mengikut musim. Perubahan usaha-usaha yang sesuai yang dijalankan secara sendiri oleh bot-bot pukat jerut kepada sumber-sumber yang sedia ada adalah satu mekanisme kawalan sendiri yang mana mengelakkan eksploitasi berlebihan ke atas sumber ikan pelagik.

Di antara lain-lain krustacea dan mokuska (termasuk ubur-ubur) aliran ini telah bertambah dalam beberapa tahun ini, terutamanya sejak tahun 1973. Yang terpenting di antara kumpulan ini adalah udang baring dan sotong biasa serta sotong katak. Udang baring hitung panjang pendaratan tahunan lebih kurang 5,000 metrik tan dalam tahun 60an (5,805 metrik tan dalam tahun 1967), pada masa ini hitung panjang dalam lingkungan 10,000 metrik tan setahun (9,299 metrik tan dalam tahun 1981). Sotong biasa dan sotong katak yang mana hitung panjang pendaratan tahunan kurang dari 1,000 metrik tan dalam tahun 60an (709 metrik tan dalam tahun 1967), pada masa ini hitung panjang dalam lingkungan 10,000-11,000 metrik tan setahun (8,923 metrik tan dalam tahun 1981). Aliran mereka ini adalah dijangka akan berterusan untuk beberapa tahun akan datang.

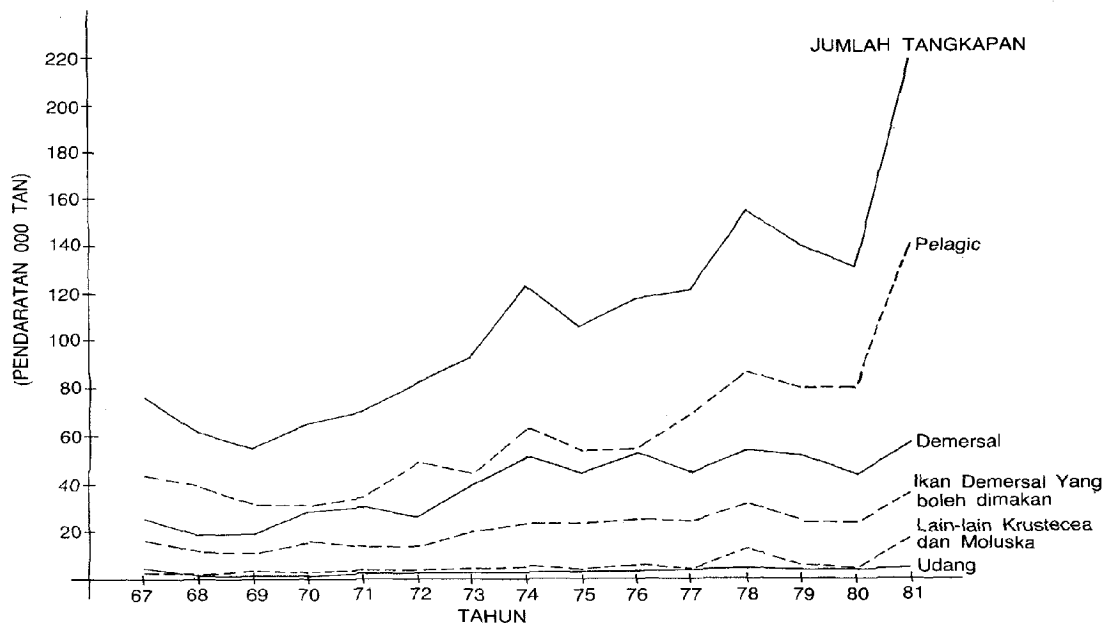
Pantai Timor

Kawasan Pantai Timor, walaupun bersempadan dengan Laut China Selatan yang sangat luas itu, perikanan di Pantai Timor berpusat di kawasan perairan negara sahaja. Oleh kerana pembangunan tersebut sampai ke Pantai Timor hanya dalam tahun 70an, profil perusahaan perikanan di sini jauh berbeza daripada Pantai Barat. Perhubungan, pasaran dan modal adalah masih belum membangun atau terlalu kurang. Pembangunan infrastruktur dan lain-lain bekalan oleh Kerajaan dalam tahun 70an telah membangunkan kawasan kurang maju di Pantai Timor dalam jangkamasa 1967-1981, iaitu tahun 1974, 1978 dan 1981 seperti dilihat di dalam gambarajah di muka surat xiv.

Bagaimanapun, kecuali pada tahun 1978, dua puncak yang lain itu tidak bersamaan dengan puncak tahun di Pantai Barat. Lebih jauh lagi, ini adalah belum tetap sama ada tahun 1981 adalah tahun kemuncak yang sebenarnya. Mungkin hanya pendaratan tahun 1982 sahaja dapat mengesahkan kemuncak ini. Walau bagaimanapun, kenyataan awal mengenai pendaratan akan merosot sedikit dalam tahun 1982 untuk mengesahkan tahun 1981 sebagai tahun kemuncak.

Sumber-sumber ikan demersal di sini adalah secara relatif mundur sehinggalah diperkenalkan pukat tunda di awal tahun 70an. Bersamaan dengan pengenalan pukat tunda, pendaratan ikan demersal bertambah sehingga tahun 1974 apabila puncak pendaratan iaitu 51,476 metrik tan telah dicapai. Pada tahun 1974 berikutnya, pendaratan ikan demersal telah berterusan secara turun-naik dalam lingkungan puncak pendaratan tahun 1974 iaitu dalam lingkungan 50,000 metrik tan setahun. Kebanyakan pendaratan ikan demersal adalah oleh bot pukat tunda dan sejumlah kecil oleh pukat hanyut dan bubu. Sebagaimana dalam tahun 1968 pukat tunda hanya mendaratkan 27% dari jumlah pendaratan ikan demersal, dalam tahun 1981 ia menghasilkan sebanyak 40%. Bakinya telah didaratkan oleh pukat hanyut dan bubu.

MSY stok ikan demersal di sini dianggarkan antara 80,000-120,000 metrik tan (Pathansali 1976). Pendaratan setakat ini hanya dalam lingkungan 50,000 metrik tan. Oleh sebab itu peluang untuk membangun adalah lebih baik, bertentangan dengan keadaan di Pantai Barat. Bagaimanapun, dengan mengecualikan bubu, pengusaha pukat tunda dan pukat hanyut cenderung untuk menumpukan perhatian ke kawasan menangkap ikan berhampiran pantai. Mereka enggan keluar



RAJAH 2. PANTAI TIMOR: ALIRAN PENDARATAN, 1967 - 1981.

lebih jauh ke tengah laut dan menuntut kadar tangkapan mereka menjadi rendah apabila mereka keluar lebih jauh oleh kerana disebabkan oleh kejatuhan dalam konsentrasi ikan. Ini telah mengakibatkan eksploitasi berlebihan pada kawasan menangkap ikan yang ada serta menimbulkan masalah biasa iaitu kelebihan komponen ikan baja di dalam pendaratan ikan demersal oleh pukot tunda. Sebaliknya dalam tahun 1968, kandungan ikan baja di dalam pendaratan ikan demersal oleh pukot tunda. Sebaliknya dalam tahun 1968, kandungan ikan baja sebanyak 50% dari jumlah pendaratan ikan demersal. didaratkan oleh pukot tunda, dalam tahun 1981 pula sebanyak 74%. Sungguhpun aliran pendaratan ikan demersal ini sebagai satu sumbangan yang penting kepada jumlah pendaratan, pendaratan ikan demersal telah menetapkan kedudukannya di Pantai Timor sejak pengenalan pukot tunda di sini.

Berlainan dengan Pantai Barat, udang merupakan sumber yang tidak penting secara relatif di Pantai Timor. Pendaratan tahunan mereka tinggal tetap di bawah 5,000 metrik tan. Kebanyakan udang-udang ini didaratkan oleh pukot tunda (63% dalam tahun 1981). Sungguhpun hanya sebahagian di Pantai Timor terdapat stok udang yang agak memuaskan yang tinggal sementara di tepi pantai, di mana telah dieksploit oleh pukot hanyut dan pukot bakul, di sini terdapat satu stok udang yang agak memuaskan yang berpindah-pindah di perairan pantai semasa musim tengkujuh yang mana dieksploitkan oleh pukot tunda. Disebabkan keadaan musim tengkujuh, stok udang yang berpindah-pindah ini kurang dieksploitkan. MSY bagi udang telah dianggarkan sebanyak 5,000-6,000 metrik tan (Pathansali 1976) dan dengan demikian ada muatan untuk eksploitasi lagi sebanyak 1,000-2,000 metrik tan setahun. Bagaimanapun, ini adalah diramalkan bahawa aliran pada masa ini dalam pendaratan udang akan tetap tidak akan berubah untuk beberapa tahun akan datang.

Pendaratan ikan pelagik biasanya berkekalan sebagai kumpulan paling penting di Pantai Timor. Mereka ini menyebabkan puncak di tahun 1974, 1978 dan 1981. Potensi maksima untuk ikan pelagik telah dianggarkan sebanyak 80,000 metrik tan di mana telah dicapai dalam tahun 1978. Walau bagaimanapun untuk tiga tahun berakhir pendaratan ikan pelagik tidak berubah iaitu dalam lingkungan peringkat keupayaan maksima ini, bagaimanapun dalam tahun 1981, mereka telah mencapai tingkat tertinggi iaitu 141,229 metrik tan. Kebanyakan pendaratan ikan pelagik adalah oleh pukot jerut dan sedikit oleh pukot tangguk, pukot hanyut dan mengeret. Pertambahan yang besar ini terutamanya datang dari Trengganu. Selain daripada musim yang terlalu baik bagi jenis ikan pelagik, pengenalan satu sistem pengumpulan data yang lebih berkesan pada masa tahun 1981 adalah juga satu daripada sebab tambahan kepada peningkatan yang begitu tinggi. Tanda-tanda ini adalah bahawa tangkapan ikan pelagik yang melebihi 90,000 metrik tan akan berterusan untuk beberapa tahun akan datang. Walaupun tangkapan ini tidak akan mencapai kemuncak di tahun 1981. Sekiranya aliran pendaratan beberapa tahun yang lalu ini berterusan, Potensi Penghasilan Maksima hendaklah dikaji semula.

Lain-lain krustacea dan moluska masih sehingga pada masa ini kekal di peringkat yang sama seperti pendaratan udang dan oleh itu ia tidak mustahak. Walau bagaimanapun dalam tahun 1978 dan berbalik semula kepada tahun 1981 sejumlah besar udang baring dan sotong biasa serta sotong katak telah didaratkan. Pertambahan yang besar dalam tahun 1978 dan dalam tahun 1981 ke atas udang baring telah disebabkan khas oleh penggunaan pukuk-pukuk jerut kecil untuk menangkap udang baring ini, sementara penggunaan candat sotong dan pukuk tunda telah menyebabkan pertambahan ke atas pendaratan sotong biasa dan sotong katak dalam tahun 1981.

PENDARATAN IKAN LAUT DALAM TAHUN 1981

Pantai Barat

Pendaratan ikan laut dalam tahun 1981 telah merosot sebanyak 2% dari 370,105 metrik tan dalam tahun 1980 kepada 362,282 metrik tan dalam tahun 1981. Ini merupakan pertama kali berkurangan sejak pendaratan ikan laut mula bertambah dalam tahun 1976. Jangkamasa antara tahun 1976-1981 merupakan satu catatan masa yang lama ke atas pertambahan ini di dalam pendaratan dalam masa dua dekad berakhir ini. Sebab utama kemerosotan dalam tahun 1981 adalah kemerosotan ke atas pendaratan ikan pelagik dan udang. Ikan demersal dan lain-lain krustacea dan moluska tegasnya telah mencatatkan pertambahan dalam pendaratan dalam tahun 1981.

Pendaratan ikan pelagik merosot sebanyak 10% dari 131,354 metrik tan dalam tahun 1980 kepada 118,202 metrik tan dalam tahun 1981. Ini adalah kerana berkurangnya jenis-jenis ikan utama seperti ikan cincaru sebanyak 54%; ikan bilis 3%; tamban 23%; tongkol 44% dan ikan kembong 13%.

Kemerosotan jenis-jenis ikan utama ini telah membawa kepada kejatuhan pendaratan ikan pelagik dalam tahun 1981. Pukat jerut merupakan alat perkakas utama untuk menangkap ikan pelagik, merupakan pengaruh besar kepada kemerosotan ini. Manakala kemerosotan dalam pendaratan ikan bilis adalah berkurangnya pukat jerut bilis yang hanya sedikit iaitu 3%, pendaratan pukat jerut ikan berkurang sebanyak 30%. Bot-bot pukat tunda yang menggunakan pukat tunda "high-opening" dan pukat hanyut, yang mana juga mendaratkan sejumlah besar ikan pelagik, adalah secara umum terpengaruh sedikit kerana mereka tidak sepenuhnya bergantung kepada sumber-sumber ikan pelagik. Oleh yang demikian perusahaan perikanan pukat jerut yang mana telah mendapat musim yang baik untuk enam tahun yang berturut-turut tetapi berbanding dengan tahun 1980 terdapat musim yang merosot sedikit pada tahun ini. Bagaimanapun sehingga sekarang pendaratan masih baik bagi mempertahankan kehidupan sektur perikanan pukat jerut untuk beberapa tahun lagi kecuali musim yang baik ini berakhir secara tiba-tiba seperti yang berlaku pada tahun 1972 dan pada tahun 1975.

Perusahaan perikanan udang, sumber paling utama bagi pukat tunda dan sedikit alat perkakas lain seperti pukat hanyut dan pukat bakul, terus merosot dalam tahun 1981. Pendaratan udang merosot sebanyak 11% dari 51,081 metrik tan dalam tahun 1980 kepada 45,521 metrik tan dalam tahun 1981. Aliran ini telah berlanjutan sejak tahun 1979 dan dijangka akan berterusan disebabkan tekanan menangkap udang yang begitu besar di Pantai Barat. Kemerosotan ini akan mempengaruhi perusahaan perikanan pukat tunda dengan lebih serius kerana udang yang mana telah memberikan keuntungan yang besar di dalam perusahaan pukat tunda. Kemerosotan dalam sumber udang dan diikuti tambahan kos operasi menangkap ikan menggambarkan keadaan buruk di masa depan bagi bot-bot pukat tunda di Pantai Barat.

Pendaratan Ikan Demersal seolah-olah menunjukkan pertambahan dalam jumlah pendaratan sebanyak 3% daripada 166,437 metrik tan tahun 1980 kepada 171,995 metrik tan dalam tahun 1981. Walau bagaimanapun, pertambahan ini benar-benar telah membawa kepada bertambahnya pendaratan ikan baja iaitu bertambah sebanyak 9% dalam tahun 1981 (90% dari ikan baja ini didaratkan oleh Pukat Tunda). Kandungan ikan yang boleh dimakan dalam pendaratan ikan demersal walau bagaimanapun, telah merosot sebanyak 13%. Pendaratan ikan demersal yang boleh dimakan telah merosot sejak tahun 1978. Pukat tunda di mana telah menghasilkan 84% pendaratan ikan demersal yang boleh dimakan telah mengalami akibat yang buruk dengan kejatuhan ini. Alat perkakas kecil yang juga menerima akibat di atas kemerosotan ini ialah tali kail, bubu dan pukat hanyut. Di antara jenis ikan demersal yang utama, ikan kerisi adalah jenis ikan yang telah mencatatkan sedikit pertambahan dalam tahun 1981, sementara pendaratan ikan duri tetap tidak berubah. Di antara jenis ikan utama yang mana pendaratan telah berkurang ialah ikan lidah, ikan gelama dan ikan pari.

Di antara lain-lain krustacea dan moluska, jenis yang utama ialah sotong biasa, sotong katak dan udang baring. Kumpulan ini keseluruhannya bertambah sebanyak 25% dari 21,233 metrik tan dalam tahun 1980 kepada 26,564 metrik tan dalam tahun 1981. Pertambahan besar dalam kumpulan ini adalah disebabkan bertambahnya pendaratan dalam udang baring. Kebanyakannya ditangkap oleh kelong dan pukat bakul. Pada masa lalu kelong pada kebiasaannya mendaratkan ikan demersal yang boleh dimakan yang bermutu manakala pukat bakul biasanya mendaratkan udang. Tetapi pada masa ini kedua-dua alat menangkap ikan tersebut hanya mendaratkan udang baring sahaja.

Dengan kemerosotan dalam pendaratan ikan pelagik, ikan demersal yang boleh dimakan dan udang mengalami musim yang kurang memuaskan dalam tahun 1981 di Pantai Barat. Oleh kerana kemerosotan dalam aliran pendaratan udang dan ikan demersal telah berterusan, nelayan di Pantai Barat akan mengalami masa hadapan yang gelap.

Pantai Timor

Sebelum sebarang analisa pendaratan ke atas kawasan Pantai Timor dibuat, satu penjelasan mengenai methodology pengumpulan data adalah diperlukan. Di masa lalu cara pengumpulan data yang kurang memuaskan telah mengakibatkan dalam sama ada anggaran yang berlebihan atau anggaran yang sedikit ke atas jumlah pendaratan. Dengan pengenalan cara kajian sampling dua peringkat dalam tahun 1981 data tangkapan telah disesuaikan kepada anggaran yang lebih realistik yang mengakibatkan pertambahan atau penurunan yang besar dalam tangkapan ikan di beberapa buah negeri di Pantai Timor, seperti di Trengganu di mana tangkapannya telah merosot.

Pendaratan di Pantai Timor meningkat sebanyak 66% dari 130,403 metrik tan dalam tahun 1980 kepada 215,944 metrik tan dalam tahun 1981. Peningkatan ini pada utamanya disebabkan oleh peningkatan yang besar ke atas pendaratan ikan di Trengganu di mana pendaratan telah meningkat lebih kurang 140% pada tahun 1981.

Pendaratan utama adalah di dalam pendaratan ikan pelagik di mana meningkat sebanyak 80% dari 78,646 metrik tan dalam tahun 1980 kepada 141,229 metrik tan dalam tahun 1981. Hampir kesemua jenis ikan pelagik yang utama seperti selar kuning, bilis, tamban, tongkol dan ikan kembong telah bertambah dalam tahun 1981. Keuntungan yang besar dari musim yang baik ini adalah pada pukot jerut, dan sejumlah kecil adalah pada pukot tangguk, pukot jenis hanyut dan tali kail. Kebanyakan pendaratan ikan pelagik telah didaratkan oleh pukot jerut kecuali ikan tongkol yang mana telah didaratkan oleh pukot jenis hanyut dan mengeret. Peningkatan di dalam pendaratan ikan pelagik oleh alat-alat perkakas utama dalam tahun 1981 dibandingkan dengan tahun 1980 adalah seperti berikut:

Pukat Jerut Ikan 57%, Pukat Jerut Bilis 110%, Pukat Tangguk 190%, Pukat Hanyut 13% dan mengeret 67%. Pertambahan yang banyak ini di dalam pendaratan ikan pelagik telah membawa kepada suatu puncak yang belum pernah terjadi di Pantai Timor dalam tahun 1981.

Pendaratan ikan demersal juga meningkat sebanyak 30% dari 42,938 metrik tan dalam tahun 1980 kepada 55,611 metrik tan dalam tahun 1981. Alat perkakas paling utama untuk mendaratkan ikan demersal adalah masih pukot tunda, walaupun dalam tahun 1981 pendaratannya lebih kurang dari apa yang didaratkan dalam tahun 1980. Manakala dalam tahun 1980 pendaratan ikan demersal oleh bot pukot tunda adalah 60% dari jumlah pendaratan ikan demersal, dalam tahun 1981 bot-bot pukot tunda menyumbangkan hanya 46% dari jumlah pendaratan ikan demersal. Bakinya telah didaratkan oleh pukot jenis hanyut, bubu dan tali kail. Walau bagaimanapun, pendaratan ikan demersal di Pantai Timor adalah tidak sepenting pendaratannya seperti pendaratan ikan pelagik. Oleh itu mereka hanya memainkan peranan yang kecil dalam mempengaruhi aliran pendaratan di sini.

Tidak seperti di Pantai Barat, pendaratan ikan baja di Pantai Timor hanya menyumbangkan untuk 36% dari jumlah pendaratan ikan demersal. Manakala pendaratan ikan demersal yang boleh dimakan telah meningkat iaitu 49% dari 23,929 metrik tan dalam tahun 1980 kepada 35,720 metrik tan dalam tahun 1981. Di Pantai Timor, di mana bot-bot pukot tunda adalah kurang berbanding dengan Pantai Barat, ikan baja oleh sebab itu tidak didaratkan dalam kuantiti yang banyak. Ini menarik perhatian sebagai catatan bahawa bot-bot pukot tunda telah menyumbangkan hanya 10% dari jumlah pendaratan ikan demersal yang boleh dimakan, manakala mereka adalah bertanggungjawab untuk pendaratan 96% ke atas pendaratan ikan baja.

Pendaratan udang telah meningkat sebanyak 8% dari 3,660 metrik tan dalam tahun 1980 kepada 3,965 metrik tan dalam tahun 1981. Bot-bot pukot tunda telah mendaratkan sebanyak 63% dari jumlah pendaratan udang, bakinya didaratkan oleh pukot hanyut dan pukot bakul. Kebanyakan udang ini telah didaratkan dalam masa bulan Januari-Mei dan bulan November-Disember yang mana berlaku serentak dengan monsoon Timur Laut.

Pendaratan lain-lain krustacea dan moluska dalam tahun 1981 telah meningkat sebanyak 193% dari 5,157 metrik tan dalam tahun 1980 kepada 15,086 metrik tan dalam tahun 1981. Sebab utama untuk peningkatan tiga kali ganda ini adalah musim yang amat baik untuk udang baring dan sotong biasa serta sotong katak. Kebanyakan kumpulan ini didaratkan di Trengganu yang mana musim yang baik, di samping penggunaan alat pukot jerut kecil khas untuk menangkap udang baring dan candat untuk sotong biasa serta sotong katak, bertambah dengan banyaknya pendaratan mereka dalam tahun 1981.

Perusahaan perikanan di Pantai Timor, berbeza dengan Pantai Barat, oleh kerana ia mempunyai potensi untuk pembangunan lagi, terutamanya dalam sumber-sumber ikan pelagik dan sedikit sebanyak dalam sumber udang. Sumber-sumber ikan demersal walau bagaimanapun tidak memberi keupayaan seperti yang terdapat, oleh kerana kebanyakan penangkap ikan menumpukan hanya dalam beberapa kawasan menangkap ikan dalam perairan negara yang mana telah mengalami tekanan penangkapan yang tinggi. Keraguan tentang sumber-sumber yang ada di perairan jauh dari pantai ditambah dengan laut yang dalam akan menghalang sebarang pembangunan yang baru di masa akan datang.

MALAYSIA TIMUR

Pendaratan Ikan Laut Pada Tahun 1981

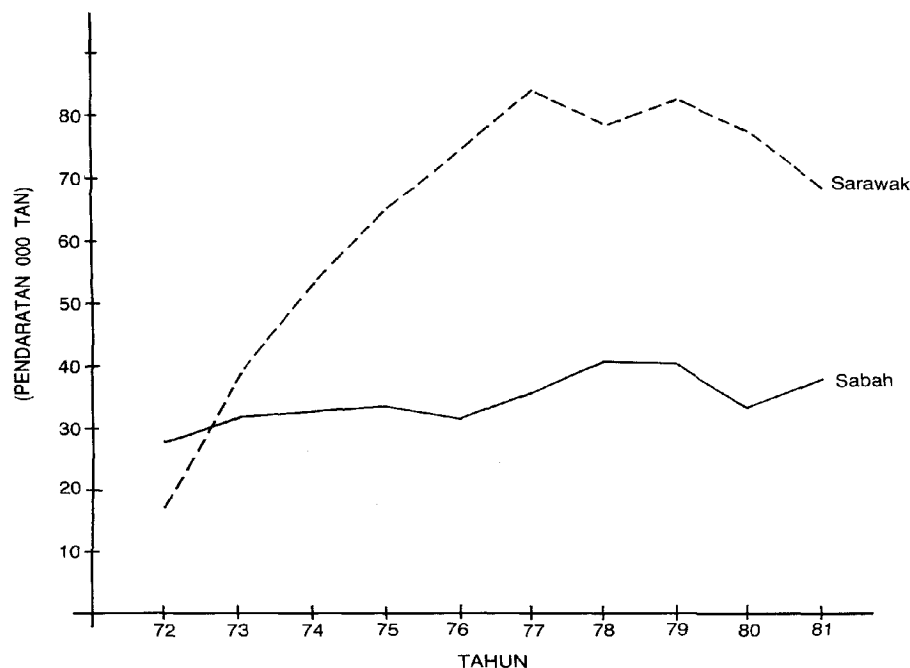
Disebabkan data yang terhad mengenai perusahaan perikanan di Malaysia Timur, analisa yang lengkap ke atas kedudukan perusahaan perikanan di kawasan ini adalah tidak dapat dijalankan. Walau bagaimanapun sedikit kesimpulan boleh dibuat daripada data-data yang terdapat. Rajah 3 di bawah menunjukkan aliran secara umum ke atas pendaratan ikan laut di negeri-negeri Malaysia Timur iaitu Sabah dan Sarawak.

SABAH

Kecuali tahun 1976 dan 1980, pendaratan adalah secara perlahan bertambah dalam masa 10 tahun yang lepas. Oleh sebab tidak terdapat perubahan penting di dalam bilangan bot-bot menangkap ikan, ini hanya boleh dianggap kemerosotan pada tahun ini iaitu tahun 1976 dan 1980 adalah disebabkan oleh musim menangkap ikan yang kurang memuaskan.

Berbanding dengan tahun yang lepas (iaitu 1980) pendaratan dalam tahun 1981 bertambah baik sedikit. Jumlah pendaratan ikan laut meningkat sebanyak 16% dari 32,700 metrik tan dalam tahun 1980 kepada 38,000 metrik tan dalam tahun 1981. Kebanyakan pendaratan ini iaitu 28,200 metrik tan adalah "finfishes", manakala bakinya adalah krustacea (8,500 metrik tan), moluska (5 metrik tan) dan lain-lain tambahan serta hidupan laut (800 metrik tan). Kumpulan dengan peningkatan terbesar dalam pendaratannya pada tahun 1981 adalah ikan campur yang mana telah meningkat sebanyak 113% dari 800 metrik tan dalam tahun 1980 kepada 1,700 metrik tan dalam tahun 1981. "Mackerels dan Billfishes" dan lain-lain juga meningkat sebanyak 14% dari 6,000 metrik tan dalam tahun 1980 kepada 7,000 metrik tan dalam tahun 1981. Lain-lain "finfishes" juga mencatatkan pertambahan kecil dalam tahun 1981. Walau bagaimanapun kesemua mereka adalah tidak penting. Krustacea, kebanyakannya adalah udang, meningkat sebanyak 13% dari 7,500 metrik tan dalam tahun 1980 kepada 8,500 metrik tan dalam tahun 1981. Moluska dan tumbuhan serta hidupan laut sangat kecil peningkatannya dalam tahun 1981.

Jumlah nilai pendaratan ikan laut dalam tahun 1981 adalah sebanyak \$119 juta, yang mana telah bertambah 19% melebihi tahun lalu. Kumpulan terpenting merupakan krustacea, yang mana berjumlah 46% dari jumlah nilai yang didaratkan atau \$55 juta. Kumpulan jenis ikan lain yang penting adalah "mackerels, billfishes" dan lain-lain. "Jacks, Mulletts dan lain-lain" dan "Redfishes, Basses, dan Congers dan lain-lain"; tiap-tiap satu berjumlah sebanyak 16% dan 15% masing-masing dari jumlah nilai.



RAJAH 3

SARAWAK

Dalam masa 10 tahun yang lalu, pendaratan ikan laut telah meningkat dengan cepat di Sarawak. Daripada hanya 16,000 metrik tan dalam tahun 1972, pendaratan telah mencapai suatu puncak sebanyak 83,000 metrik tan dalam tahun 1977. Peningkatan ini adalah disebabkan oleh pembangunan di dalam industri ini, terutama pengenalan pukot tunda. Pembangunan dalam lain-lain kemudahan seperti perhubungan dan infrastruktur juga telah membantu kepada pembangunan ini. Walau bagaimanapun, dalam masa lima tahun yang lepas, aliran ini telah berubah sedikit. Dalam tahun 1978 pendaratan merosot sebanyak 7%, ini disebabkan oleh kemerosotan di dalam pendaratan ubur-ubur. Pendaratan telah diperolehi semula dalam tahun 1979 dengan peningkatan sebanyak 6% tetapi sejak tahun 1980, pendaratan telah mula menurun semula. Iaitu merosot sebanyak 6% dalam tahun 1980 dan dalam tahun 1981 pendaratan telah jauh merosot iaitu 12% dari 77,070 metrik tan dalam tahun 1980 kepada 68,043 metrik tan dalam tahun 1981.

Alat perkakas utama yang dipengaruhi oleh kemerosotan ini dalam tahun 1981 adalah pukot tunda yang mana pendaratannya menurun sebanyak 20%, pukot bakul menurun sebanyak 50% dan kelong sebanyak 56%. Kesemua alat perkakas yang lain mencatatkan penambahan dalam tahun 1981. Oleh kerana pukot tunda menyumbang sebanyak 63% dari jumlah pendaratan ikan laut, kemerosotan sebanyak 20% dalam pendaratan pukot tunda adalah sebab utama bagi penurunan dalam jumlah pendaratannya dalam tahun 1981. Oleh kerana kebanyakan pendaratan pukot tunda adalah ikan demersal, ia boleh dianggap bahawa pendaratan ikan demersal merosot dalam tahun 1981. Oleh kerana kelong dan pukot bakul juga menangkap ikan demersal, tetapi pendaratan mereka juga merosot.

Walaupun pukot bakul juga mendaratkan udang tetapi udang yang didaratkan oleh alat ini adalah merosot. Walau bagaimanapun jumlah pendaratan udang telah bertambah dalam tahun 1981. Di antara jenis utama ikan demersal yang merosot dalam tahun 1981 adalah ikan duri, ikan gelama, ikan yu dan pari. Ikan baja yang juga adalah ikan demersal telah merosot dalam tahun 1981.

Pendaratan ikan pelagik tidak banyak dipengaruhi dalam tahun 1981. Di antara jenis utama ikan pelagik, ikan bawal telah sedikit bertambah dalam tahun 1981, sementara pendaratan ikan tenggiri sebaliknya telah menurun sedikit.

Kemerosotan secara umum dalam kesemua pendaratan adalah disebabkan oleh kemerosotan di dalam pendaratan ikan demersal. Alasan untuk aliran ini di dalam pendaratan ikan demersal mungkin sama ada musim sementara yang kurang memuaskan di dalam perusahaan perikanan, atau ia mungkin disebabkan oleh tangkapan ikan yang berlebihan oleh bot-bot pukot tunda di Sarawak. Walaupun sumber-sumber di Sarawak tidak dieksploit sepenuhnya, tangkapan ikan pada masa ini ditumpukan khasnya di kawasan pantai, di mana tangkapan ikan dijalankan agak intensif oleh bot-bot pukot tunda. Pendaratan akan bertambah baik jika penangkapan dijalankan di kawasan-kawasan yang baru.

Oleh: Edwin J. Savariraj
Pegawai Perikanan (Perangkaan)

A REVIEW OF THE STATUS OF MARINE FISHERIES IN 1981

PENINSULAR MALAYSIA:

Past Trends In Marine Fish Landings:

The marine fisheries sector in Peninsular Malaysia has recorded a spectacular growth in landings during the last 15 years. From 306,686 tonnes in 1967 landings had increased to 649,315 tonnes in 1981. However, such a growth though impressive, merits serious consideration because it had taken place almost exclusively with territorial waters. Given that the fishery resources within territorial waters are finite with the limit of exploitation determined by the maximum sustainable yield (MSY), this increase in landings brought about by increased fishing pressure has to be closely monitored to prevent over-exploitation of the fisheries resources.

For the purpose of this analysis shellfish (which is almost exclusively cockles) is excluded from total landings since it is mainly a product of coastal aquaculture. The West Coast and East Coast of Peninsular Malaysia are also separately analyzed as the resources in these two areas are distinct from each other.

West Coast

The West Coast, bordering the Straits of Malacca, accounts for about two-thirds of total Peninsular Malaysian landings. This is the result of the greater expansion in this area, compared to the East Coast, from the late sixties until as late as the late seventies. During the last 15 years, landings have increased by 78% from 203,175 tonnes in 1967 to 362,282 tonnes in 1981.

Fig. 1 indicates the existence of three distinct peaks during this period, i.e., in 1968, 1974 and 1980, with an interval of six years between peaks. The first and third peaks were mainly due to exceptionally high landings of pelagic species while the second peak was caused mainly by higher landings of demersal species. Also, unlike the 1968 and 1974 peaks, the 1980 peak experienced a high increase in landings sustained over a longer period of time. The analysis of these trends by type of fisheries resource is given below.

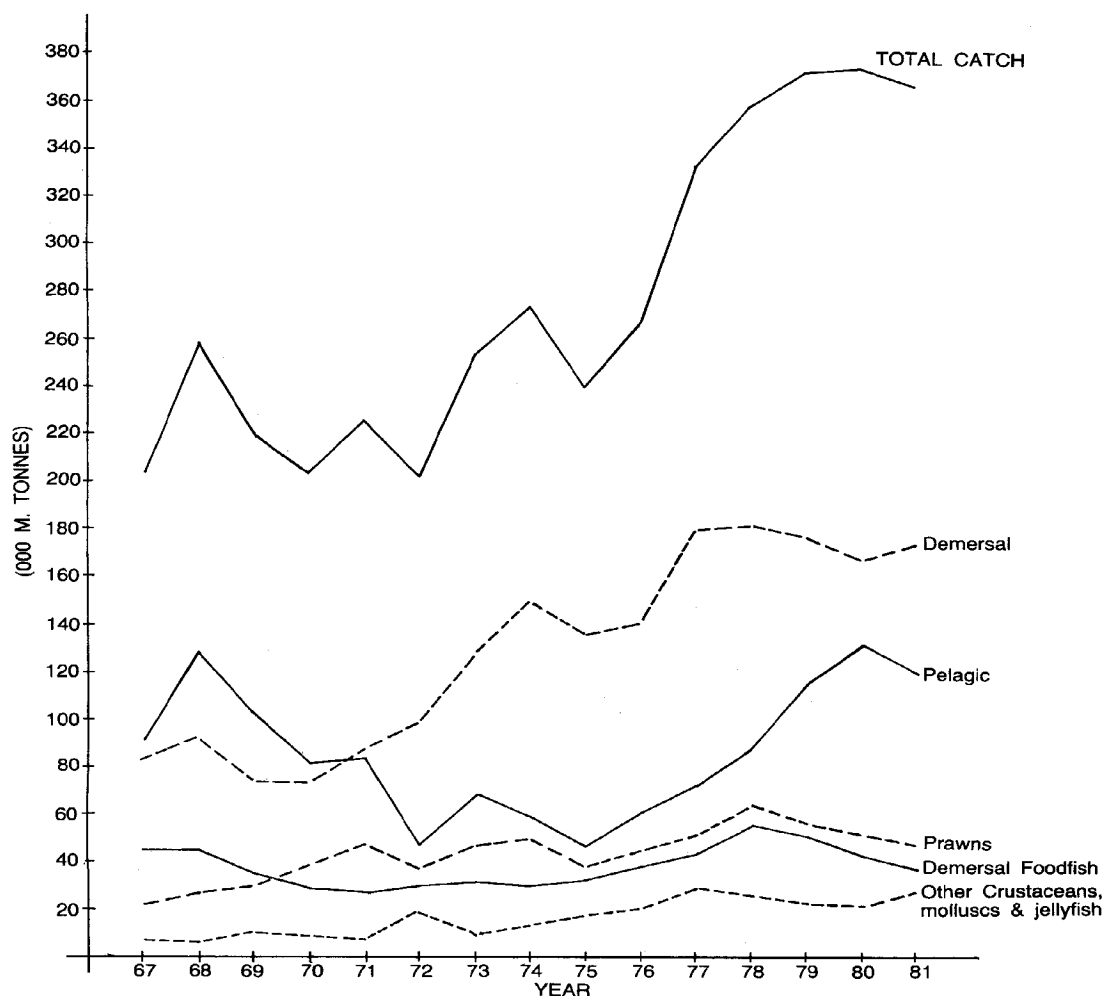


FIG. 1: WEST COAST — TREND OF LANDINGS, 1967 — 1981

Demersal fish landings, mostly by trawlers, increased from 83,317 tonnes in 1967 to 171,995 tonnes or 40% of total landings in 1981. This was mainly caused by trashfish landings, a trawl by-catch, which increased from 38,658 tonnes in 1967 to 135,192 tonnes in 1981. The foodfish component of demersal landings, on the other hand however, has been declining since the 1968 peak and reached a low point in 1975. After 1975, for three consecutive years demersal foodfish landings increased until they attained a high point in 1978 and subsequently they again continued to decline. The proportion of foodfish in demersal landings has consequently continued to decline. Whereas foodfish comprised 54% of total demersal landings in 1967, in 1981 it only accounted for 21%. The balance being trashfish. This trend in trashfish landings was mainly caused by the increase in the number of mini trawlers fishing for prawn during this period. The total number of trawlers in operation increased from 928 in 1967 to 5,266 in 1981. In 1981 trawlers alone were responsible for 89% of total trashfish landings on the West Coast. This fact is further compounded by the increase in trawl fishing time during the last few years. Whereas in the late sixties and early seventies trawlers went out only on daily trips and carried out hauls of one hour duration per haul, in the late seventies, they went out on trips of more than a days duration and their average duration per haul during these trips was of 3 hours. Though the number of trawlers increased by about six times between 1967 and 1981, actual fishing effort was further increased by this change in trawler operations. Despite this increase in the trawl fishing effort, the catch has not been proportional to the fishing effort; the increase in landings was at a decreasing rate and for some years now the increase in landings has been arrested and a decline has set in.

The FAO/SCSP workshop on fishery resources in 1976 estimated the demersal fish stocks in the Straits of Malacca with a MSY of 160,000 tonnes, of which 110,000 tonnes are located in the inshore waters and 50,000 tonnes in the offshore area. The offshore resources are poor and do not contribute significantly to the landings. Fishing is confined mainly in the inshore area where the resources are grossly overfished. Landings here have exceeded the MSY of 110,000 tonnes ever since 1973. The MSY of the whole Straits of Malacca (i.e. 160,000 tonnes) had been surpassed since 1977. After a marginal increase in demersal landings in 1978, total demersal landings have begun to steadily decline since 1978. Within this decline it is noticed that trashfish has increased in 1981, while demersal foodfish continue to decline. The status of the demersal resource in the Straits of Malacca is one of an over-exploited resource and the increase in trashfish in 1981 could be the result of a desperate attempt by trawlers to remain in the fishery through very intensive fishing, though detrimental to the existing demersal resources.

The trend in prawn landings is of late quite similar to that of demersal fish landings. Prawns had good years in 1971, 1974 and 1978. Since they are also mainly landed by trawlers, the increase in the number of trawlers, also resulted in increased prawn landings during this 15 years period. But recently the proportion of prawns landed by trawlers steadily declined compared to other gears like drift/gill nets and bagnets which have increased their proportion of prawn catch. While in 1978 trawlers accounted for 71% of all prawns landed yet in 1981 trawlers landings of prawns were only 48%, and prawns landed by other gears increased to 52% of the total prawn landings. This change was probably the result of strict enforcement of the laws prohibiting trawlers from fishing very near the shore in recent years. Whatever the reason, the fact is prawn landings after 1978 have steadily declined. The MSY for prawn stocks has been estimated at 53,000 tonnes by the FAO/SCSP workshop in 1976. However this estimate seems to be too high. The Fisheries Research Institutes estimate of 40,000 tonnes in 1973 seems to be more realistic. Though this estimate of the MSY for prawns was surpassed in 1971, subsequently prawn landings had oscillated around this MSY until 1978 when they reached an all time high of 63,017 tonnes and thereafter steadily declined during the last three years.

The growth of the West Coast fisheries in the late sixties and in the seventies was mainly the result of the introduction and subsequent development of the trawl fishery. Trawling was the main catalyst for this growth. However, with the steady decline in demersal foodfish (though trashfish landings were increasing) and prawn landings, both of which are primarily landed by trawlers, seem to indicate that the era of trawler growth on the West Coast has come to an end. Trawl landings' proportion of total landings (excluding trashfish) between 1978 and 1981 clearly indicates this. Whereas at the peak of trawler landings in 1978 trawler contribution to total foodfish landings was 55%, in 1981 it had declined to only 35%.

Pelagic fish landings, after reaching a peak in 1968, had generally declined until 1975. But since 1976 pelagic landings had steadily increased and culminated in an all time high in 1980. By coincidence the 1980 peak landings of 131,354 tonnes was almost as high as the 1968 peak of 129,448 tonnes. Though the MSY for pelagic fish resources has been estimated at 88,000 tonnes by the 1976 FAO/SCSP Workshop, total landings had exceeded the MSY in the 1967-1969 period and in the 1979-1981 period. From 1970 to 1978 pelagic landings had remained well below the MSY. Taking the seasonality of pelagic species and past trends as an indication, pelagic landings which declined in 1981 will continue to decline for a few years until it reaches a point near the MSY level after which it probably would oscillate around the MSY ceiling. It could take another decade before another peak similar to the 1980 peak is reached.

Unlike the demersal resource based fisheries, it is not likely for the pelagic fisheries to collapse because pelagic resources are migratory as well as seasonal by nature. Moreover, the bulk of the pelagic species are landed by purse seiners, whose numbers change according to the season. This automatic effort adjustment on the part of the purse seine fleet to the resource available is a self regulating mechanism which makes over-exploitation of pelagic resources very remote.

Among the other crustaceans and molluscs (including jellyfish) the trend has been increasing in recent years, especially since 1973. The most important among this group are the sergestid shrimps and squids and cuttlefish. Sergestid shrimps with average annual landings of about 5,000 tonnes in the sixties (5,805 tonnes in 1967), today average around 10,000 tonnes per annum (9,299 tonnes in 1981). Squids and cuttlefish which on the other hand used to average an annual landings of less than 1,000 tonnes in the sixties (709 tonnes in 1967), today average around 10,000-11,000 tonnes per annum (8,923 tonnes in 1981). Their trends are expected to continue for some years to come.

East Coast:

The East Coast, though bordering the vast expanse of the South China Sea, has its fisheries concentrated mainly within territorial waters. As development arrived on the East Coast only in the seventies, the profile of the fisheries here is quite distinct from that on the West Coast. Communications, markets and capital were either undeveloped or lacking. The development of infrastructure and other inputs by the government in the seventies finally broke the vicious circle of underdevelopment on the East Coast.

Three distinct peaks are also evident on the East Coast during the period 1967-1981, namely, in 1974, 1978 and 1981 as seen on Fig.2 supra. However, with the exception of 1978, the other two peaks do not correspond to the West Coast peak years. Furthermore, it is yet uncertain whether 1981 is a peak year. Probably only the 1982 landings can confirm this. However, observations of landings in 1982 do indicate that landings will slightly decline in 1982 to confirm a peak in 1981.

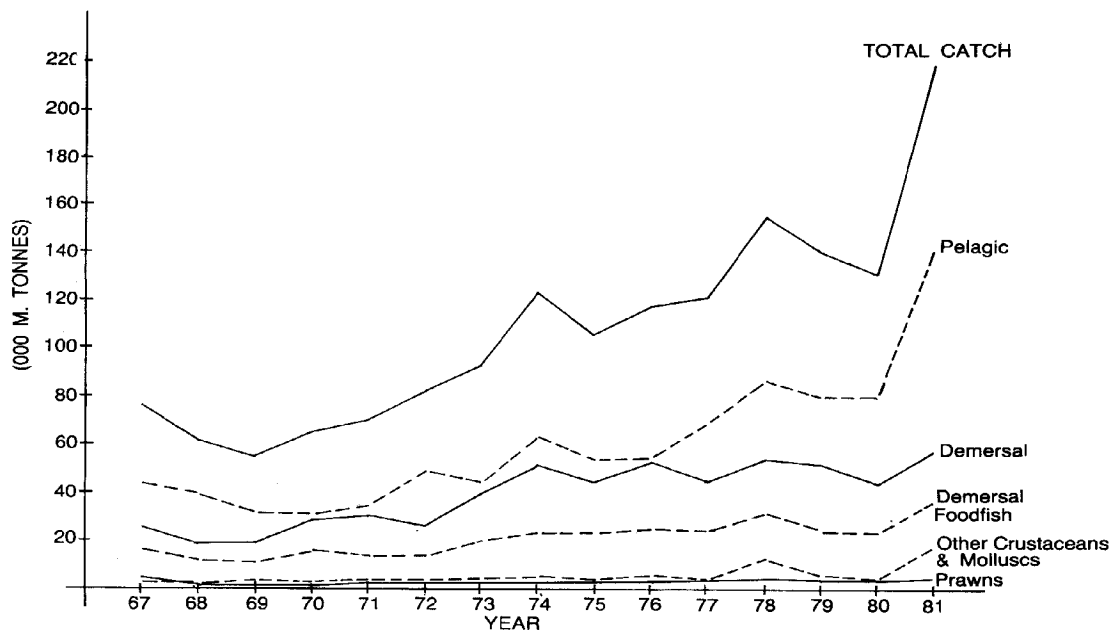


FIG. 2: EAST COAST — TREND OF LANDINGS, 1967 — 1981

Demersal fish resources here were relatively underdeveloped until the introduction of trawlers in the early seventies. Corresponding with the introduction of trawlers, demersal landings increased until 1974 when a peak landing of 51,476 tonnes was reached. Subsequent to 1974, demersal landings had continued to oscillate around the 1974 peak landings-i.e., around 50,000 tonnes per annum. The bulk of demersal landings were by trawlers and to a lesser extent by drift/gill nets and portable traps. Whereas in 1968 trawlers only accounted for 27% of total demersal landings, in 1981 they accounted for 40%. The balance being landed by drift/gill nets and portable traps.

The MSY for demersal fish stocks here is estimated at 80,000-120,000 tonnes (Pathansali 1976). As present landings are only around 50,000 tonnes, there is therefore room for further development contrary to the situation on the West Coast. However, with the exception of portable traps, the trawlers and the drift/gill netters tend to concentrate in the fishing grounds nearer to the coast. They avoid venturing further out to sea, claiming their catch rates are lower when they venture further out due to a fall in fish concentrations. This has resulted in over exploitation of existing fishing grounds causing a familiar problem of a high trashfish content in demersal trawl landings. Whereas in 1968 trashfish consisted of 50% of total trawl demersal landings, in 1981 it was 74%. Despite this trend demersal landings, as an important contributor to total landings, have come to stay on the East Coast since the introduction of trawling.

Unlike the West Coast, prawns are relatively not an important resource on the East Coast. Their annual landings have consistently remained below 5,000 tonnes. The bulk of these prawns are landed by trawlers (63% in 1981). Though there is a sizeable coastal semi-resident prawn stock on the East Coast, which is quite well exploited by drift/gill nets and bagnets, there is also a substantive migrant stock which appears in the coastal waters during the monsoon months, which is exploited by the trawlers. Due to monsoon conditions, this migrant stock is not quite well exploited. The MSY for prawns is estimated at 5,000-6,000 tonnes (Pathansali 1976) and as such there is capacity for exploitation of a further 1,000-2,000 tonnes per year. However, it is forecasted that the present trend in prawn landings will remain unchanged in the near future.

Pelagic fish have always dominated landings on the East Coast. They were the reason for the peaks in 1974, 1978 and 1981. The maximum potential for pelagic fish has been estimated at 80,000 tonnes which was reached in 1978. Although for the last three years pelagic landings have remained around this maximum potential level, however in 1981 they reached an all time high of 141,229 tonnes. The bulk of the pelagic landings were by purse seiners, and to a lesser extent by liftnets, drift/gill nets and trolling. This huge increase comes mainly from Trengganu. Besides the exceptionally good year for pelagic species, the vastly improved data collection system during 1981 also was a contributory cause. Indications are that catches above 90,000 tonnes are expected to continue for a few more years, though they may not reach the 1981 peak level. The maximum potential yield, in the light of this, has to be revised if this trend continues.

The other crustaceans and molluscs have, until very recently, remained at almost the same levels as prawn landings and were thus quite insignificant. However, in 1978 and again in 1981 substantial quantities of sergestid shrimps and squids and cuttlefish were landed. The significant increases in 1978 and in 1981 in sergestid shrimps were chiefly due to the use of small purse seines for catching these tiny shrimps, while jigging and trawling were the cause for the increases in squids and cuttlefish landings in 1981.

Marine Fish Landings In 1981

West Coast:

Marine landings in 1981 declined by 2% from 370,105 tonnes in 1980 to 362,282 tonnes in 1981. In fact this was the first decrease ever since marine landings began increasing in 1976. The period 1976-1981 was the longest sustained increase in landings during the last two decades. The main reason for this decline in 1981 was the decline in pelagic fish and prawn landings. Demersal fish and other crustaceans and molluscs on the other hand recorded an increase in landings in 1981.

Pelagic landings declined by 10% from 131,354 tonnes in 1980 to 118,202 tonnes in 1981. This was brought about by decreases in the major species like hardtail scads by 54%; anchovies by 3%; sardines by 23%; tuna by 44%; and chub mackerel by 13%. The decline of these major species brought down pelagic landings in 1981. Purse seiners, being the main gear catching pelagic fish, were greatly affected by this decline. Whereas the decline in anchovy landings decreased the anchovy purse seiners by a marginal 3%, the fish purse seine landings decreased by 30%. Trawlers using high opening trawl nets and driftnetters, which also land substantial amounts of pelagic fish, were generally less affected as they are not entirely dependent on pelagic resources. Thus the purse seine fishery which had been enjoying an extraordinarily sustained good period for the last six years had, compared to 1980, a slightly poorer season this year. However, the landings even now are still good to sustain a viable purse seine fishery for a few more years unless this good period ends abruptly as it did in 1972 and in 1975.

The prawn fishery, the most important resource to trawlers and some other gears like drift/gillnets and bagnets, continued to decline in 1981. Prawn landings declined by 11% from 51,081 tonnes in 1980 to 45,521 tonnes in 1981. This trend has been going on since 1979 and it is expected to continue in view of the tremendous fishing pressure on prawns on the West Coast. This decline will affect the trawl fishery most seriously as it is the prawns which have sustained the profitability in trawling. The decline in prawns and the ever increasing cost of fishing operations spells a bleak future for the trawlers on the West Coast.

Demersal landings apparently showed an increase in total landings by 3% from 166,437 tonnes in 1980 to 171,995 tonnes in 1981. However, this increase was really brought about by an increase in trashfish landings which increased by 9% in 1981. (90% of these trashfish were landed by trawlers). The foodfish content of demersal landings however, declined by 13%. Demersal foodfish landings have been declining since 1978. Trawlers which account for 84% of demersal foodfish landings are seriously affected by this slide. Minor gears affected by this decline are hooks and lines, portable traps and drift/gillnets. Among the major demersal fish species, the threadfin bream was the only species that recorded a slight increase in 1981, while landings of marine cat-fishes remained almost unchanged. Among the major species whose landings decreased were tonguesoles, jewfish and ray.

Among the other crustaceans and molluscs the most important were squids and cuttlefish and sergestid shrimps. This group as a whole increased by 25% from 21,233 tonnes in 1980 to 26,564 tonnes in 1981. The main increase in this group was caused by the increase in sergestid shrimp landings. These are mainly caught by palisade traps and bagnets. The former usually caught quality demersal fish in the past while the latter used to land mainly prawns. Today these tiny shrimps are the mainstay of these two fishing gears.

With declining pelagic, demersal foodfish and prawn landings, the West Coast fared poorly in 1981. As this has been the trend for the latter two resources, there is going to be some hard times for fishermen on the West Coast in the coming years.

East Coast:

Before any analysis of landings for the East Coast is made a qualification regarding the data collection methodology is necessary. In the past poor data collection methods resulted in either an over-estimation or an under-estimation of total landings. With the introduction of a two-stage sampling survey method in 1981 catch data were adjusted to a more realistic estimate resulting in drastic increases or decreases in catches of some East Coast States, especially Trengganu in the case of the former and Kelantan in the case of the latter.

East Coast landings increased by 66% from 130,403 tonnes in 1980 to 215,944 tonnes in 1981. This increase was mainly brought about by the big increase in landings in Trengganu where landings increased by about 140% in 1981.

The main increase was in pelagic landings which increased by a hefty 80% from 78,646 tonnes in 1980 to 141,229 tonnes in 1981. Almost all the major pelagic species, like goldbanded scads, anchovies, sardines, tuna and chub mackerels increased in 1981. The main beneficiaries of this good season were the purse seines, and to a lesser extent the liftnets, drift/gillnets and hooks and lines. The bulk of these pelagic landings were landed by purse seines, with the exception of tuna which were landed by drift/gillnets and trolling. The increases in the landings of pelagic fish by the major gears in 1981 over 1980 are as follows: fish purse seines by 57%; anchovy purse seines by 110%; liftnets by 190%; drift/gillnets by 13%; and trolling by 67%. These substantial increases in pelagic landings brought about the unprecedented peak on the East Coast in 1981.

Demersal landings too increased by 30% from 42,938 tonnes in 1980 to 55,611 tonnes in 1981. The most important gear landing demersal fish is still the trawler, though in 1981 it landed much less than what it landed in 1980. Whereas in 1980 trawler landings of demersal fish was 60% of total demersal landings, in 1981 trawlers share of total demersal landing was only 46%. The balance were landed by drift/gill nets, portable traps and hooks and lines. However, demersal landings on the East Coast were never as significant as pelagic landings. As such they play a smaller role in influencing landing trends.

Unlike on the West Coast, trashfish landings on the East Coast only accounted for 36% of total demersal landings. Whereas demersal foodfish landings increased by 49% from 23,929 tonnes in 1980 to 35,720 tonnes in 1981, trashfish landings increased by only 5% from 19,009 tonnes in 1980 to 19,891 tonnes in 1981. On the East Coast, where there are less trawlers as compared to the West Coast, trashfish therefore are never landed in big quantities. It is interesting to note that the trawlers accounted for only 10% of total demersal foodfish landings, whereas they were responsible for landing 96% of trashfish landings.

Prawn landings increased by 8% from 3,660 tonnes in 1980 to 3,965 tonnes in 1981. Trawlers landed 63% of these prawns, the balance being landed by drift/gill nets and bagnets. The bulk of these prawns were landed during January-May and November-December which coincide with the North-East Monsoons.

The landings of other crustaceans and molluscs in 1981 increased by 193% from 5,157 tonnes in 1980 to 15,086 tonnes in 1981. The main reason for this three-fold increase was the very good season for sergestid shrimps and squids and cuttlefish. The bulk of this group was landed in Trengganu where the good season, coupled with the use of small purse seines for sergestid shrimps and jigs for squids and cuttlefish, increased tremendously their landings in 1981.

The fisheries on the East Coast, unlike the West Coast, thus has some more potential for further development, especially in the pelagic resource and to some extent in the prawn resource. Demersal resources however do not offer much potential as it exists, because most of the fishing is concentrated in certain fishing grounds within territorial waters which are already heavily fished. Further off shore uncertainty over available resources compounded by the depth of the waters here prohibits any new development in the immediate future.

EAST MALAYSIA

Marine Landings in 1981:

Due to limitation of data on East Malaysian fisheries, a detailed analysis of the status of fisheries in this region is not possible. However some inference can be drawn from the limited data that is available. Fig. 3 below indicates the general trend of marine landings in the East Malaysian States of Sabah and Sarawak.

SABAH:

With the exception of 1976 and 1980, landings have been gently increasing over the last ten years. As there was no significant change in the number of fishing boats, it can be only inferred that the decline in 1976 and 1980 were due to a poorer fishing season.

Compared to the immediate past year (i.e., 1980) landings in 1981 fared slightly better. Total marine landings increased by 16% from 32,700 tonnes in 1980 to 38,000 tonnes in 1981. The bulk of these landings were finfishes which amounted to 28,200 tonnes, while the rest were crustaceans (8,500 tonnes), Molluscs (500 tonnes) and other aquatic plants and animals (800 tonnes). The group with the biggest increase in landings in 1981 was the unsorted and unidentified fishes which increased by 113% from 800 tonnes in 1980 to 1,700 tonnes in 1981. Mackerels, billfishes etc. too increased by 14% from 6,000 tonnes in 1980 to 7,000 tonnes in 1981. Other finfishes too recorded marginal increases in 1981, however none of them were significant. Crustaceans, the bulk of which were prawns, increased by 13% from 7,500 tonnes in 1980 to 8,500 tonnes in 1981. Molluscs and aquatic plants and animals had very insignificant increases in 1981.

Total value of marine landings in 1981 was \$119 million, which was a 19% increase over last year. The most important group being the crustaceans, which amounted to 46% of total value landed or \$55 million. The other important species groups were mackerels, billfishes etc., Jacks, Mulletts etc., and Redfishes, Basses and Congers etc., each amounting to 16%, 15% respectively of total value.

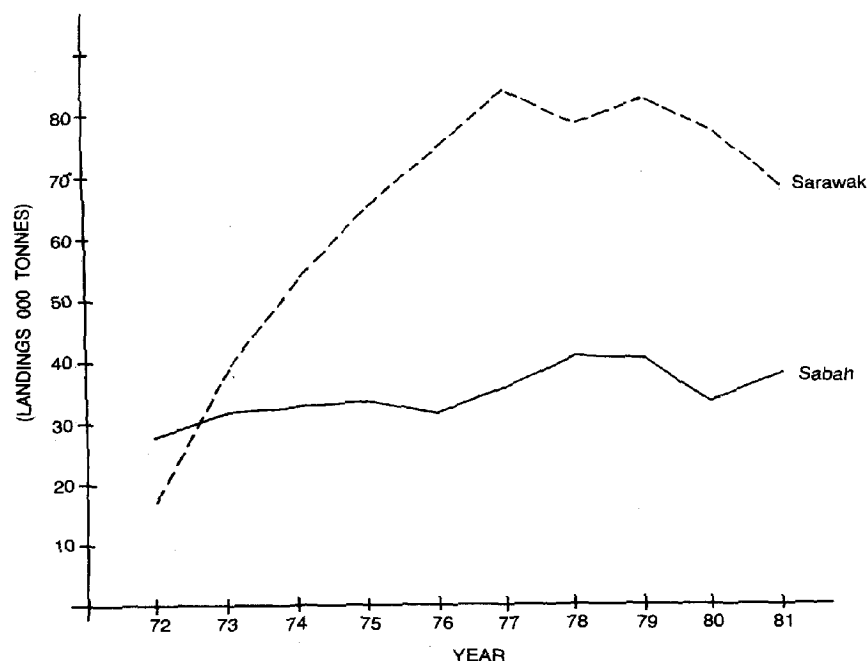


FIG. 3 TREND of LANDINGS, 1972 - 1982

SARAWAK:

During the last ten years, marine landings have been increasing at a tremendous pace in Sarawak. From a mere 16,000 tonnes in 1972, landings reached a peak of 83,000 tonnes in 1977. This increase was brought about by the developments in the industry, especially the introduction of trawlers. The development of other ancillary facilities such as communication and infrastructure too contributed to this development. However, during the last five years, the trend had slightly changed. In 1978 landings declined by 7%, brought about by the decline in jellyfish landings. Landings recovered in 1979 by an increase of 6%. But since 1980, landings have begun to slide again. There was a decline of 6% in 1980 and in 1981 landings further declined by 12% from 77,070 tonnes in 1980 to 68,043 tonnes in 1981.

The major gears affected by this decline in 1981 were trawlers whose landings declined by 20%, bagnets declined by 50% and palisade traps by 56%. All the other gears recorded increases in 1981. As trawlers account for 63% of total marine landings, the 20% decline in trawl landings was the main cause for the decline in total landings in 1981. As the bulk of trawl landings were demersal fish, it can be inferred that demersal fish landings declined in 1981. As palisade traps and bagnets also mainly catch demersal fishes, their landings too declined.

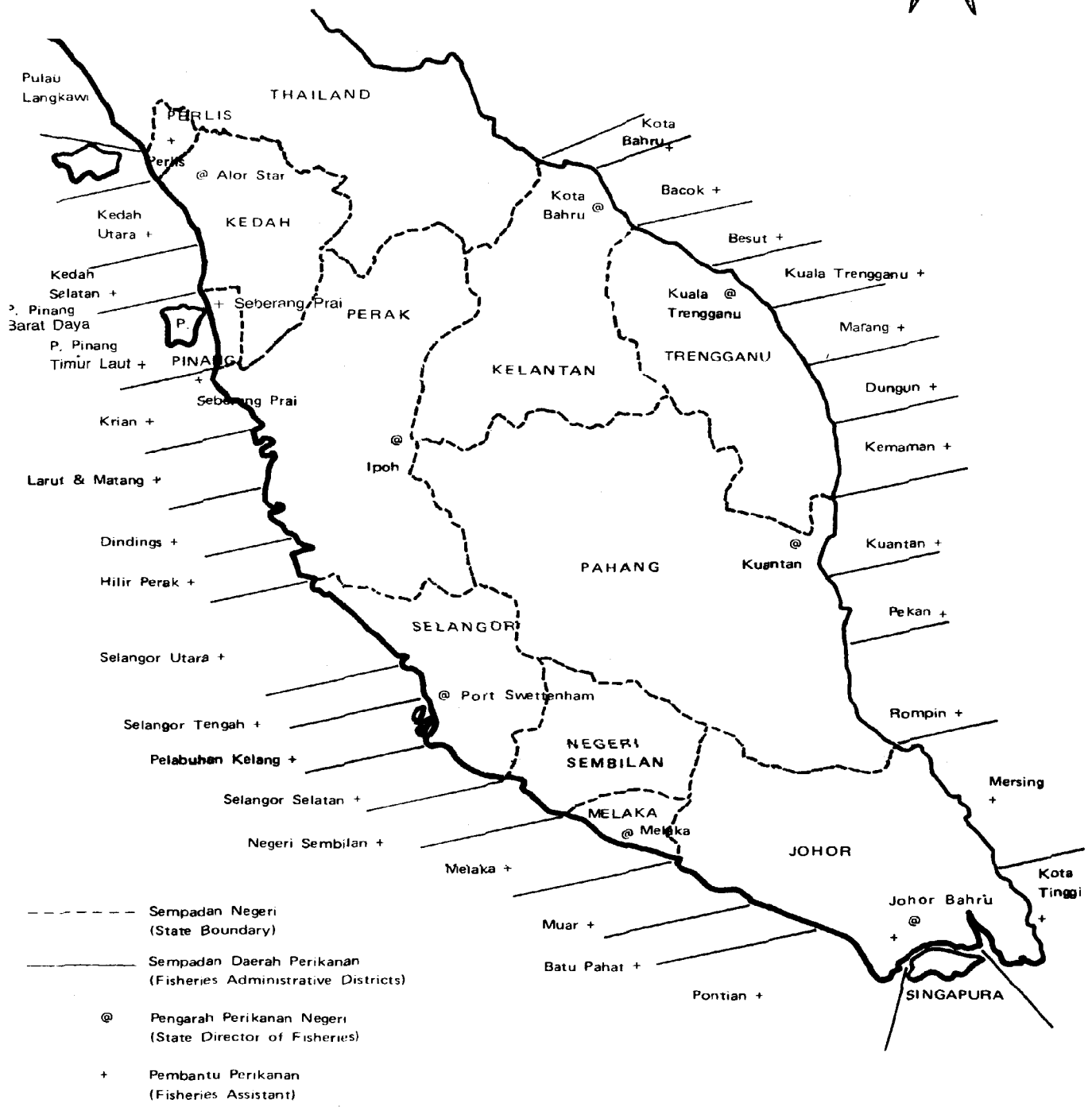
Though bagnets also land prawns, prawns landed by bagnets also declined. However, total prawn landings increased in 1981. Among the major demersal species that declined in 1981 were marine catfishes, jewfish, sharks and rays. Trashfish, which is also demersal, declined in 1981.

Landings of pelagic fishes were not significantly affected in 1981. Among the major pelagic species, pomfrets increased slightly in 1981, while spanish mackerel landings on the other hand decreased marginally.

The general decline in overall landings was brought about by the decline in demersal landings. The reason for this trend in the demersal landings could be either a temporary poor season in the fishery, or it could be due to over fishing by the Sarawak trawlers. Though Sarawak resources are still underexploited, the present fishing is mainly concentrated in specific coastal areas, where there has been some intensive fishing by trawlers. Landings could improve if new fishing grounds are ventured into.

by: Edwin J. Savariraj
Fisheries Officer (Statistics)

SEMENANJUNG MALAYSIA — DAERAH-DAERAH PERIKANAN
(Peninsular Malaysia — Fisheries Districts)



Perikanan Laut
SEMENANJUNG MALAYSIA

Marine Fisheries
Peninsular Malaysia

JADUAL (TABLE) 1.1(a)

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN NELAYAN-NELAYAN YANG BEKERJA DI BOT-BOT BERLESEN, 1981
 NO. OF FISHERMEN WORKING IN LICENSED BOATS, 1981

Negeri/State Bangsa/Race	Pantai Barat/West Coast									Pantai Timur/East Coast					Jumlah Besar
	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Jumlah Kecil Sub-Total	Kelantan	Trengganu	Pahang	Johor Timur East Johore	Jumlah Kecil Sub-Total	Grand Total
Melayu Malay	1,642	8,771	3,214	4,433	1,446	253	1,050	5,579	26,388	7,587	12,614	3,801	4,148	28,150	54,538
China Chinese	127	1,257	4,485	10,774	6,284	332	784	4,288	28,331	—	11	118	1,624	1,753	30,084
India Indian	—	67	49	308	163	21	—	1	609	—	—	—	—	—	609
Portugis Portuguese	—	—	—	—	—	—	67	—	67	—	—	—	—	—	67
Thai Thais	1,278	104	—	—	—	—	—	—	1,382	—	25	—	—	25	1,407
Orang Asli Aborigines	—	—	—	—	—	—	—	220	220	—	—	—	—	—	220
Jumlah Besar Grand Total	3,047	10,199	7,748	15,515	7,893	606	1,901	10,088	56,997	7,587	12,650	3,919	5,772	29,928	86,925

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
**BILANGAN NELAYAN-NELAYAN YANG BEKERJA DI BOT-BOT BERLESEN MENGIKUT KUMPULAN PERKAKAS
 DAN NEGERI, 1981**
 NO. OF FISHERMEN WORKING IN LICENSED BOATS BY GEAR GROUP AND STATE, 1981

	Negeri/State Kumpulan Perkakas Gear Group	Pertis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat West Johore	Kelantan	Trengganu	Pa- hang	Johor Timur East Johore	Jumlah Total
	Pukat Tunda Trawl Nets	792	2,745	1,146	3,866	1,357	—	—	1,236	446	697	1,127	1,150	14,562
	Pukat Tarik/Seine Nets:													
	Pukat Jerut Ikan Purse Seine-Fish	1,416	545	929	1,762	132	—	—	—	738	1,875	471	1,189	9,057
	Pukat Jerut Bilis Purse Seine-Anchovy	—	1,892	22	298	—	—	—	—	32	1,208	289	—	3,741
	Lain-lain Other Seines	10	126	817	1,940	43	28	36	190	900	290	30	78	4,488
	Pukat Hanyut Gill/Drift Nets	664	3,324	3,811	4,817	4,986	529	1,667	6,598	2,936	2,617	716	1,340	34,005
N	Pukat Tangguk Lift Nets	—	156	—	—	—	—	—	7	672	644	211	419	2,109
	Perangkap/Traps:													
	Belat-belat Stationary	6	32	6	41	—	—	10	198	—	—	—	109	402
	Bubu Portable	6	20	152	248	8	—	—	269	146	652	574	176	2,251
	Pancing Hook & Lines	135	476	376	919	483	48	162	1,173	1,705	4,216	495	1,019	11,207
	Pukat Bakul Bag Nets	—	162	307	180	579	—	—	60	—	—	1	182	1,471
	Pukat Surung Push/Scoop Nets	—	14	45	67	68	—	2	63	—	—	—	8	267
	Pukat Rentang Barrier Nets	—	106	2	—	72	—	14	232	—	—	—	39	465
	Memungut Siput Shellfish Collections	—	—	45	458	26	—	10	11	—	—	—	—	550
	Pembawa Ikan Fish Carriers	—	—	52	246	44	—	—	24	12	451	—	15	844
	Rampaian Miscellaneous	18	601	38	673	95	1	—	27	—	—	5	48	1,506
	Jumlah Total	3,047	10,199	7,748	15,515	7,893	606	1,901	10,088	7,587	12,650	3,919	5,772	86,925

JADUAL (TABLE) 1.2

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN BOT-BOT PERIKANAN YANG DILESENKAN MENGIKUT NEGERI, 1981
 NUMBER OF LICENSED FISHING BOATS BY STATES, 1981

Jenis/Type Negeri/State	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Outboard-powered	BOT JENTERA DALAM/Inboard-powered											
				Jumlah Kecil Sub-Total	0-4.9 Tan Tons	5-9.9 Tan Tons	10-14.9 Tan Tons	15-19.9 Tan Tons	20-24.9 Tan Tons	25-39.9 Tan Tons	40-49.9 Tan Tons	50-69.9 Tan Tons	70-99.9 Tan Tons	100 Tan dan ke atas 100 tons and above)	
Pantai Barat/West Coast:															
Perlis	729	38	195	496	107	103	118	33	13	80	30	12	—	—	
Kedah	3,000	368	1,397	1,235	302	222	85	48	25	340	129	71	13	—	
Pulau Pinang/Penang	2,747	424	1,038	1,285	516	442	24	34	14	204	30	20	1	—	
Perak	6,465	701	1,053	4,711	2,029	1,480	621	87	26	236	143	89	—	—	
Selangor	3,754	398	588	2,768	468	1,557	286	96	44	248	50	18	1	—	
Negeri Sembilan	229	66	65	98	21	76	1	—	—	—	—	—	—	—	
Melaka/Malacca	907	108	394	405	65	335	—	3	1	1	—	—	—	—	
Johor Barat/West Johore	4,018	845	1,699	1,474	570	712	102	65	15	10	—	—	—	—	
Jumlah Kecil .. Sub-Total	21,849	2,948	6,429	12,472	4,078	4,927	1,237	366	138	1,119	382	210	15	—	
Pantai Timur/East Coast:															
Kelantan	1,777	188	334	1,255	584	268	178	115	30	56	11	6	7	—	
Trengganu	3,748	874	6	2,868	474	1,089	825	235	82	121	26	9	3	4	
Pahang	1,152	135	70	947	108	469	215	42	11	62	22	14	4	—	
Johor Timur/East Johore	1,864	292	529	1,043	215	337	120	33	46	159	82	49	2	—	
Jumlah Kecil .. Sub-Total	8,541	1,489	939	6,113	1,381	2,163	1,338	425	169	398	141	78	16	4	
Jumlah Besar .. Grand-Total	30,390	4,437	7,368	18,585	5,459	7,090	2,575	791	307	1,517	523	288	31	4	

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
**BILANGAN BOT BERJENTERA DALAM YANG DILESENKAN MENGIKUT NEGERI, UKURAN PANJANG
 DAN KEKUATAN KUASA KUDA, 1981**
 NUMBER OF LICENSED INBOARD POWERED FISHING BOATS BY STATE, DIMENSION AND HORSEPOWER, 1981

Butir-butir Description	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Kelantan	Trengganu	Pahang	Johor		Jumlah Total
											Barat West	Timur East	
Ukuran Panjang/Dimension-Length													
Kurang dari 25 kaki/under 25 ft	17	15	37	156	19	1	2	286	154	28	96	77	888
25-39 kaki/25-39 ft	292	546	898	3,950	2,083	80	299	670	1,666	638	1,055	478	12,655
40-54 kaki/40-54 ft	92	333	218	485	649	17	103	255	967	247	321	327	4,014
55 kaki ke atas/55 ft & over	95	341	132	120	17	—	1	44	81	34	2	161	1,028
Jumlah/Total ..	496	1,235	1,285	4,711	2,768	98	405	1,255	2,868	947	1,474	1,043	18,585
➤ Kekuatan Kuda/Horsepower of Engine													
Kurang dari 5 k.k./under 5 h.p.	21	32	20	94	27	4	8	265	181	20	161	75	908
5-9 k.k./5-9 h.p.	89	197	212	632	256	27	173	397	536	125	303	154	3,101
10-19 k.k./10-19 h.p.	27	156	111	460	553	36	177	192	668	236	499	213	3,328
20-39 k.k./20-39 h.p.	206	163	635	2,617	1,099	31	41	319	1,201	426	296	221	7,255
40-59 k.k./40-59 h.p.	11	35	14	367	182	—	3	29	116	16	188	10	971
60-99 k.k./60-99 h.p.	5	18	19	26	261	—	3	20	56	17	8	26	459
100-149 k.k./100-149 h.p.	62	180	169	118	138	—	—	27	81	50	18	195	1,038
150-249 k.k./150-249 h.p.	75	449	103	337	245	—	—	5	26	56	1	148	1,445
250-349 k.k. 250-349 h.p.	—	5	2	59	6	—	—	1	—	1	—	1	75
350 k.k. ke atas/350 h.p. & above	—	—	—	1	1	—	—	—	3	—	—	—	5
Jumlah/Total ..	496	1,235	1,285	4,711	2,768	98	405	1,255	2,868	947	1,474	1,043	18,585

JADUAL (TABLE) 1.4

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
**BILANGAN BOT BERJENTERA SANGKUT YANG DILESENKAN MENGIKUT NEGERI, UKURAN PANJANG DAN
 KEKUATAN KUDA, 1981**
 NO. OF LICENSED OUTBOARD-POWERED FISHING BOATS BY STATE, DIMENSION & HORSEPOWER, 1981

Butir-butir Description	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Kelantan	Trengganu	Pahang	Johor		Jumlah	
											Barat West	Timur East		
Ukuran Panjang/Dimension—Length														
Kurang dari 25 kaki/under 25 ft	193	1,330	1,031	1,049	586	63	392	75	5	68	1,671	509	6,972	
25-39 kaki/25-39 ft	2	66	7	4	2	2	2	258	1	2	28	20	394	
40-54 kaki/40-54 ft	—	1	—	—	—	—	—	1	—	—	—	—	2	
55 kaki ke atas/55 ft & above	—	—	—	—	—	—	—	—	—	—	—	—	—	
Jumlah/Total ..	195	1,397	1,038	1,053	588	65	394	334	6	70	1,699	529	7,368	
Kekuatan Kuda/Horsepower of Engine														
Kurang dari 5 k.k./under 5 h.p.	107	768	878	953	427	54	270	31	1	26	1,312	390	5,217	
5-9 k.k./5-9 h.p.	88	625	126	98	155	9	89	61	5	44	243	118	1,661	
10-19 k.k./10-19 h.p.	—	4	34	1	6	2	34	202	—	—	70	15	368	
20-39 k.k./20-39 h.p.	—	—	—	1	—	—	1	40	—	—	57	5	104	
40-59 k.k./40-59 h.p.	—	—	—	—	—	—	—	—	—	—	17	1	18	
60-99 k.k./60-99 h.p.	—	—	—	—	—	—	—	—	—	—	—	—	—	
100-149 k.k./100-149 h.p.	—	—	—	—	—	—	—	—	—	—	—	—	—	
150-249 k.k./150-249 h.p.	—	—	—	—	—	—	—	—	—	—	—	—	—	
250-349 k.k./250-349 h.p.	—	—	—	—	—	—	—	—	—	—	—	—	—	
350 k.k. ke atas/350 h.p. & above	—	—	—	—	—	—	—	—	—	—	—	—	—	
Jumlah/Total ..	195	1,397	1,038	1,053	588	65	394	334	6	70	1,699	529	7,368	

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN BOT TIADA BERJENTERA YANG DILESENKAN MENGIKUT NEGERI DAN UKURAN PANJANG, 1981
 NUMBER OF LICENSED NON-POWERED FISHING BOATS BY STATE AND DIMENSION, 1981

Butir-Butir Description	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Kelantan	Trengganu	Pahang	Johor		Jumlah Total
											Barat West	Timur East	
Ukuran Panjang/Dimension-Length													
Kurang dari 25 kaki under 25 feet	37	357	424	699	308	66	107	155	788	113	839	280	4,173
25-39 kaki 25-39 feet	1	9	—	2	29	—	1	33	84	22	6	12	199
40-54 kaki 40-54 ft	—	2	—	—	61	—	—	—	2	—	—	—	65
55 kaki ke atas 55 ft & above	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah Total	38	368	424	701	398	66	108	188	874	135	845	292	4,437

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
RINGKASAN BILANGAN BOT-BOT NELAYAN DALAM MENGIKUT NAMA INJIN DAN NEGERI, 1981
 SUMMARY-NUMBER OF INBOARD, POWERED FISHING BOATS BY TRADE NAME AND STATE, 1981

Nama Injin Trade Name of Engine	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Kelantan	Trengganu	Pahang	Johor		Jumlah Total
											Barat West	Timur East	
YANMAR	287	400	249	1,559	1,552	76	272	1,198	2,616	791	1,023	615	10,638
DAIYA	20	53	48	194	175	6	118	25	133	26	148	35	981
MERCEDES	38	133	432	1,036	73	—	—	—	1	6	26	8	1,753
AEC	34	50	155	121	65	—	—	2	22	35	42	89	615
KUBOTA	2	2	7	62	23	6	12	—	9	1	60	6	190
PERKINS	3	8	87	849	251	5	—	—	1	4	21	11	1,240
PETTER	1	1	79	111	35	5	2	1	32	2	7	3	279
LEYLAND	39	160	24	18	224	—	—	—	2	18	105	69	659
CUMMINS	36	321	59	324	214	—	—	—	13	35	8	124	1,134
LISTER	—	1	1	2	3	—	—	4	2	1	1	2	17
DONG FENG	—	4	5	7	12	—	—	—	—	1	2	22	53
GARDNER	18	11	11	42	77	—	—	1	—	4	8	10	182
HINO	6	21	6	1	—	—	—	—	—	—	—	1	35
BUKH	—	—	1	—	3	—	—	1	12	3	—	—	20
ISUZU	10	48	11	16	44	—	—	—	1	5	9	37	181
VOLVO	—	—	2	—	—	—	—	21	6	—	—	2	31
MWM	—	—	—	—	1	—	—	—	—	—	—	3	4
KEW	—	12	87	316	2	—	—	—	—	—	—	—	417
ROLLS-ROYCE	—	—	7	5	—	—	—	—	—	—	—	1	13
FORD	1	—	—	8	1	—	—	—	4	1	—	—	15
LAIN-LAIN OTHERS	1	10	14	40	13	—	1	2	14	14	14	5	128
JUMLAH TOTAL	496	1,235	1,285	4,711	2,768	98	405	1,255	2,868	947	1,474	1,043	18,585

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
RINGKASAN BILANGAN BOT-BOT NELAYAN BERJENTERA DALAM MENGIKUT NAMA INJIN DAN KUASA-KUDA—1981
SUMMARY—NUMBER OF INBOARD-POWERED FISHING BOATS BY ENGINE TRADE NAME AND HORSE-POWER—1981

Nama Injin Trade Name of Engine	Kurang dari 5 k.k. Under 5 h.p.		5-9 k.k. 5-9 h.p.		10-19 k.k. 10-19 h.p.		20-39 k.k. 20-39 h.p.		40-59 k.k. 40-59 h.p.		60-99 k.k. 60-99 h.p.		100-149 k.k. 100-149 h.p.		150-249 k.k. 150-249 h.p.		250-349 k.k. 250-349 h.p.		350 k.k. & ke atas 350 h.p. & above		Jumlah Total	
	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast	Pantai Barat West Coast	Pantai Timur East Coast
Yanmar	293	535	952	1,116	1,825	1,190	2,170	2,078	146	135	23	72	8	72	1	22	—	—	—	—	5,418	5,220
Daiya	4	3	629	72	53	79	66	49	9	13	1	2	—	1	—	—	—	—	—	—	762	219
Mercedes	—	—	—	—	6	—	1,605	1	9	—	1	—	21	7	94	7	2	—	—	—	1,738	15
Aec	—	—	—	—	—	—	1	—	37	1	18	15	319	120	92	12	—	—	—	—	467	148
Kubota	11	1	139	13	4	1	14	1	3	—	3	—	—	—	—	—	—	—	—	—	174	16
Perkins	57	—	1	—	14	—	911	16	50	—	191	—	—	—	—	—	—	—	—	—	1,224	16
Petter	1	—	151	5	84	32	5	1	—	—	—	—	—	—	—	—	—	—	—	—	241	38
Leyland	—	—	—	—	—	—	65	1	180	10	61	16	223	59	41	3	—	—	—	—	570	89
Cummins	—	—	—	—	—	—	—	1	4	1	—	—	30	16	860	150	66	1	2	3	962	172
Lister	1	1	1	—	5	2	1	6	—	—	—	—	—	—	—	—	—	—	—	—	8	9
Dong Feng	—	—	1	—	3	—	12	—	1	—	—	—	13	23	—	—	—	—	—	—	30	23
Gardner	—	—	—	—	—	—	11	1	83	4	28	6	7	1	38	3	—	—	—	—	167	15
Hino	—	—	1	—	—	—	6	—	14	—	5	—	2	1	6	—	—	—	—	—	34	1
Bukh	—	—	—	3	—	1	2	3	1	7	1	2	—	—	—	—	—	—	—	—	4	16
Isuzu	—	—	—	—	2	—	—	—	5	—	4	—	58	13	68	30	1	—	—	—	138	43
Volvo	—	—	2	—	—	—	—	—	—	—	—	—	—	27	—	—	—	2	—	—	2	29
Mwm	—	—	—	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	1	3
Kew	—	—	—	—	2	—	163	—	251	—	1	—	—	—	—	—	—	—	—	—	417	—
Rolls-Royce	—	—	—	—	—	—	—	—	—	—	—	—	3	—	8	1	1	—	—	—	12	1
Ford	—	—	—	—	—	—	10	1	—	—	—	—	—	4	—	—	—	—	—	—	10	5
Lain-lain Others	—	1	12	2	21	3	46	7	6	—	3	6	1	9	2	7	2	—	—	—	93	35
Jumlah Total	367	541	1,889	1,212	2,019	1,309	5,088	2,167	800	171	340	119	685	353	1,210	235	72	3	2	3	12,472	6,113

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN BOT-BOT YANG DILESENKAN DAN NELAYAN-NELAYAN MENGIKUT
DAERAH-DAERAH PERIKANAN, 1981
NUMBER OF LICENSED FISHING BOATS AND FISHERMEN BY FISHERIES DISTRICTS, 1981

Bot-Bot Fishing Boats					Nelayan-Nelayan Fishermen				
Daerah-Daerah Perikanan Fisheries Districts	Berjentera Dalam Inboard	Berjentera Sangkut Outboard	Tiada Berjentera Non-powered	Jumlah Total	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
1. Kuala Perlis ..	496	195	38	729	1,642	127	—	1,278	3,047
2. Langkawi ..	194	582	81	857	2,419	60	2	90	2,571
3. Kedah Utara ..	714	295	35	1,044	2,804	874	1	—	3,679
4. Kedah Selatan ..	327	520	252	1,099	3,548	323	64	14	3,949
5. Timur Laut ..	129	135	85	349	262	576	22	—	860
6. Barat-Daya ..	466	495	133	1,094	1,232	1,725	21	—	2,978
7. Seberang Prai ..	690	408	206	1,304	1,720	2,184	6	—	3,910
8. Krian ..	1,363	307	193	1,863	1,135	2,574	30	—	3,739
9. Larut & Matang ..	1,335	308	180	1,823	605	2,997	1	—	3,603
10. Manjong (Dindings)	1,243	310	188	1,741	2,208	2,945	275	—	5,428
11. Hilir Perak ..	770	128	140	1,038	485	2,258	2	—	2,745
12. Selangor Utara ..	699	201	48	948	328	1,840	3	—	2,171
13. Selangor Tengah ..	637	89	76	802	366	1,328	—	—	1,694
14. Pelabuhan Kelang ..	1,103	193	199	1,495	545	2,466	59	—	3,070
15. Selangor Selatan ..	329	105	75	509	207	650	101	—	958
16. Port Dickson ..	98	65	66	229	253	332	21	—	606
17. Melaka ..	405	394	108	907	1,050	784	—	67	1,901
18. Muar ..	295	314	144	753	756	819	1	—	1,576
19. Batu Pahat ..	490	274	114	878	638	1,016	—	209	1,863
20. Pontian ..	655	326	214	1,195	1,218	1,812	—	11	3,041
21. Johor Bahru ..	34	785	373	1,192	2,967	641	—	—	3,608
22. Kota Tinggi ..	447	505	278	1,230	2,124	865	—	—	2,989
23. Mersing ..	596	24	14	634	2,024	759	—	—	2,783
24. Kuantan ..	426	8	67	501	1,839	44	—	—	1,883
25. Pekan ..	349	51	65	465	1,348	6	—	—	1,354
26. Kuala Rompin ..	172	11	3	186	614	68	—	—	682
27. Kemaman ..	511	2	77	590	2,178	10	—	—	2,188
28. Dungun ..	418	—	25	443	1,477	1	—	—	1,478
29. Marang ..	340	—	170	510	1,719	—	—	—	1,719
30. Kuala Trengganu ..	1,046	3	197	1,246	4,150	—	—	25	4,175
31. Besut ..	553	1	405	959	3,090	—	—	—	3,090
32. Kota Bahru ..	870	240	73	1,183	5,142	—	—	—	5,142
33. Bacok ..	385	94	115	594	2,445	—	—	—	2,445
Jumlah Total	18,585	7,368	4,437	30,390	54,538	30,084	609	1,694	86,925

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN BOT-BOT YANG DILESENKAN DAN BILANGAN NELAYAN-NELAYAN
YANG BEKERJA DIBOT-BOT BERLESEN, 1962-1981
NUMBER OF FISHING BOATS LICENSED AND NUMBER OF FISHERMEN
OPERATING LICENSED BOATS, 1962-1981

Tahun Year	Bilangan Bot-bot Yang Dilesenkan Number of Fishing Boats Licensed				Bilangan Nelayan-nelayan Number of Fishermen				
	Berjentera Dalam Inboard	Berjentera Sangkut Outboard	Tidak Berjentera Non-powered	Jumlah Total	Melayu Malay	Cina Chinese	India Indian	Lain-Lain Others	Jumlah Total
1962	5,468	4,377	12,338	22,183	35,750	19,246	421	93	55,510
1963	6,426	4,057	12,271	22,754	36,199	22,874	252	124	59,449
1964	6,983	3,744	10,903	21,630	37,075	23,732	217	441	61,465
1965	8,374	3,908	10,182	22,464	40,548	27,155	153	332	68,188
1966	9,298	3,237	8,371	20,906	36,508	25,252	215	482	62,457
1967	10,145	2,887	7,204	20,236	34,833	26,402	212	706	62,153
1968	10,629	2,531	6,293	19,453	34,414	26,398	195	494	61,501
1969	11,399	2,177	5,608	19,184	34,845	28,258	160	351	63,614
1970	12,865	2,164	5,277	20,306	36,472	31,078	253	351	68,154
1971	14,284	2,036	4,821	21,141	36,295	31,096	256	314	67,961
1972	14,945	2,009	4,665	21,619	38,589	29,892	310	461	69,252
1973	15,596	2,004	4,567	22,167	38,048	29,192	342	726	68,308
1974	16,205	2,100	4,072	22,377	38,973	30,619	424	789	70,805
1975	16,081	2,138	3,928	22,147	40,335	31,992	452	525	73,304
1976	16,142	2,342	4,151	22,635	41,997	30,479	450	610	73,536
1977	16,977	2,775	4,329	24,081	44,373	30,131	541	600	75,645
1978	17,775	3,684	6,038	27,497	51,265	30,980	637	812	83,694
1979	17,741	5,156	6,256	29,153	50,816	30,323	528	1,259	82,926
1980	18,433	6,585	5,502	30,520	55,008	31,802	410	1,752	88,972
1981	18,585	7,368	4,437	30,390	54,538	30,084	609	1,694	86,925

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PERKAKAS-PERKAKAS YANG DILESENKAN MENGIKUT NEGERI, 1981
NUMBER OF LICENSED FISHING GEARS BY STATE, 1981

Kumpulan Perkakas Gear Group	Pukat-pukat Tarik Seine Nets				Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap- perangkap Traps		Pancing Hook & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Situt Shellfish Collections	Rampaian Miscellaneous	Jumlah Total	
	Pukat Tunda 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:																
Pertis	280	91	—	5	316	—	7	1	9	—	7	—	—	10	726	
Kedah	505	84	42	55	1,709	143	3	12	150	131	57	8	—	7	2,906	
Pulau Pinang Penang	175	88	2	171	1,901	13	4	46	71	269	2	—	19	35	2,796	
Perak	1,649	148	16	935	2,764	—	11	112	436	193	—	—	329	392	6,985	
Selangor	482	—	—	21	2,744	5	—	15	279	700	41	1	3,584	80	7,952	
Negeri Sembilan ..	—	—	—	12	235	—	—	23	50	—	—	—	3	1	324	
Melaka Malacca	—	—	—	22	1,091	—	7	1	90	—	7	—	1	—	1,219	
Johor Barat West Johore	323	—	—	63	2,634	8	190	163	141	220	93	1	—	2	3,838	
Jumlah Kecil Sub-Total	3,414	411	60	1,284	13,394	169	222	373	1,226	1,513	207	10	3,936	527	26,746	
Pantai Timur: East Coast:																
Kelantan	93	40	8	108	949	58	—	14	8	—	—	—	—	—	1,278	
Trengganu	406	132	85	76	1,086	83	—	237	—	—	—	—	—	—	2,105	
Pahang	304	39	15	6	426	32	9	213	402	2	—	—	—	—	1,448	
Johor Timur East Johore	357	76	—	12	492	77	96	65	33	233	30	—	—	4	1,475	
Jumlah Kecil Sub-Total	1,160	287	108	202	2,953	250	105	529	443	235	30	—	—	4	6,306	
Jumlah Besar Grand Total	4,574	698	168	1,486	16,347	419	327	902	1,669	1,748	237	10	3,936	531	33,052	

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
ANGGARAN PERKAKAS-PERKAKAS MENANGKAP IKAN YANG DIUSAHAKAN MENIKUT NEGERI, 1981
 ESTIMATED NUMBER OF FISHING GEARS IN OPERATION BY STATE, 1981

Kumpulan Perkakas Gear Group	Pukat Tunda Trawi Nets	Pukat-pukat Tarik Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap- perangkap Traps		Pancing Hook & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collections	Rampaian Miscellaneous	Jumlah Total	
		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																
Pertis	228	62	—	9	296	—	8	5	33	—	10	—	3	34	688	
Kedah	870	31	78	93	1,101	17	37	16	199	176	34	25	2	63	2,742	
Pulau Pinang Penang	149	54	—	155	1,022	—	—	20	34	100	—	72	42	20	1,668	
Perak	2,302	127	18	1,118	1,896	—	186	82	554	92	53	189	502	252	7,371	
Selangor	1,345	27	—	223	1,262	131	20	—	305	133	23	—	59	—	3,528	
Negeri Sembilan ..	—	—	—	19	173	—	—	14	50	—	—	—	4	17	277	
Melaka Malacca	—	—	—	18	846	—	6	—	147	—	7	120	1	—	1,145	
Johor Barat West Johore	372	—	—	49	1,929	286	96	47	126	107	34	67	20	71	3,204	
Jumlah Kecil Sub-Total	5,266	301	96	1,684	8,525	434	353	184	1,448	608	161	473	633	457	20,623	
Pantai Timur East Coast																
Kelantan	104	23	—	64	411	81	—	18	287	—	22	—	—	—	1,010	
Trengganu	205	154	79	107	706	79	—	221	1,117	—	—	—	—	406	3,074	
Pahang	347	30	21	5	299	28	8	118	334	—	—	—	—	3	1,193	
Johor Timur East Johore	332	72	—	4	172	13	11	21	130	68	—	—	—	18	841	
Jumlah Kecil Sub-Total	988	279	100	180	1,588	201	19	378	1,868	68	22	—	—	427	6,118	
Jumlah Besar Grand Total	6,254	580	196	1,864	10,113	635	372	562	3,316	676	183	473	633	884	26,741	

**USAHA MENANGKAP IKAN SEYUNIT: BILANGAN HARI MENANGKAP IKAN MENGIKUT
JENIS PERKAKAS DAN NEGERI DALAM 1981**

PER UNIT FISHING EFFORT: NUMBER OF FISHING DAYS BY TYPE OF GEAR
AND BY STATE IN 1981

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik Seine Nets			Perangkap Traps									
	0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons and above	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain-lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Stiput Shellfish Collections	Rampaihan Miscellaneous
Negeri State																		
Pertis	232	232	232	232	—	230	—	228	227	—	124	194	227	—	228	—	20	227
Kedah	266	274	276	267	—	280	296	220	212	212	201	198	192	184	207	179	288	179
Pulau Pinang Penang	—	—	311	132	—	434	—	305	227	—	—	219	192	182	—	202	360	33
Perak	300	306	300	303	—	297	369	256	259	—	222	222	270	148	130	282	285	255
Selangor	302	303	282	287	—	171	—	207	239	234	128	—	213	201	236	—	194	—
Negeri Sembilan	—	—	—	—	—	—	—	156	236	—	—	122	182	—	—	—	73	193
Melaka Malacca	—	—	—	—	—	—	—	214	207	—	278	—	197	—	268	220	21	—
Johor Barat Johore West	360	360	360	—	—	—	—	179	150	95	162	79	200	153	203	—	258	167
Kelantan	—	230	161	—	—	184	—	194	194	166	—	168	192	—	84	—	—	—
Trengganu	314	314	215	80	—	237	211	156	256	288	—	182	187	—	—	—	—	185
Pahang	270	281	283	255	41	179	185	68	243	225	140	158	251	—	—	—	n.a.	—
Johor Timur Johore East	290	275	278	274	24	236	—	42	218	121	269	118	256	247	—	—	—	32
Purata .. Average	292	286	270	229	33	250	265	185	222	192	191	166	213	186	194	221	187	159

**USAHA MENANGKAP IKAN SEUNIT: BILANGAN TERIP MENANGKAP IKAN MENGIKUT
JENIS PERKAKAS DAN NEGERI DALAM 1981**

PER UNIT FISHING EFFORT: NUMBER OF TRIPS BY TYPE OF GEAR
AND BY STATE IN 1981

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik Seine Nets			Perangkap Traps				Pancing Hooks and Lines	Pukat Bakul Bag Net	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collections	Rampaian Miscellaneous
	0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons and above	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain-lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable						
Negeri State																		
Perlis	222	174	126	126	—	150	—	176	213	—	tidak mengenai not applicable	97	227	tidak mengenai not applicable	228	—	20	227
Kedah	266	274	276	267	—	280	296	220	n.a.	n.a.		n.a.	n.a.		n.a.	n.a.	n.a.	n.a.
Pulau Pinang Penang	—	—	311	132	—	436	—	305	228	—		45	192		—	202	360	33
Perak	300	249	177	137	—	297	369	256	259	—		201	246		91	282	285	255
Selangor	302	303	294	287	—	171	—	210	242	234		—	207		236	—	194	—
Negeri Sembilan	—	—	—	—	—	—	—	156	236	—		122	182		—	—	73	193
Melaka Malacca	—	—	—	—	—	—	—	278	182	—		—	197		268	220	21	—
Johor Barat Johore West	360	360	360	—	—	—	—	179	150	95		79	200		203	—	258	167
Kelantan	—	230	161	—	—	184	—	194	194	166		168	192		84	—	—	—
Trengganu	314	314	215	80	—	237	211	156	256	288		182	187		—	—	—	185
Pahang	270	281	283	255	27	179	185	68	243	225		158	251		—	—	n.a.	—
Johore Timur Johore East	284	224	193	189	8	236	—	30	173	113		39	174		—	—	—	32
Purata .. Average	290	268	240	184	18	241	265	186	216	187	—	121	205	—	185	235	173	156

JADUAL (TABLE) 1.14

**USAHA MENANGKAP IKAN SEYUNIT: BILANGAN KALI MENANGKAP IKAN MENGIKUT
JENIS PERKAKAS DAN NEGERI DALAM 1981**

PER UNIT FISHING EFFORT: NUMBER OF HAULS BY TYPE OF GEAR
AND BY STATE IN 1981

Jenis Perkakas Type of Gear	Pukat Tunda Trawl Nets					Pukat Tarik Seine Nets			Perangkap Traps										
	0-9.9 Tons	10-24.9 Tons	25-39.9 Tons	40-69.9 Tons	70 Tons and above	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain-lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collections	Ramuan Miscellaneous	
Negeri State																			
Perlis	696	696	696	696	—	n.a.	—	n.a.	n.a.	—	n.a.	n.a.	n.a.	—	n.a.	—	n.a.	n.a.	
Kedah	798	822	828	801	—	426	722	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Pulau Pinang Penang	—	—	1,118	528	—	784	—	2,120	653	—	—	n.a.	192	512	—	202	360	33	
Perak	747	747	531	411	—	n.a.	n.a.	n.a.	n.a.	—	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
Selangor.. .. .	906	909	882	957	—	407	—	352	487	508	368	—	422	698	472	—	258	—	
Negeri Sembilan	—	—	—	—	—	—	—	306	650	—	—	n.a.	n.a.	—	—	—	n.a.	n.a.	
Melaka Malacca	—	—	—	—	—	—	—	1,100	558	—	530	—	454	—	536	737	n.a.	—	
Johor Barat Johore West	897	897	897	—	—	—	—	1,377	300	178	225	79	200	1,177	203	—	n.a.	n.a.	
Kelantan.. .. .	—	580	378	—	—	492	—	388	388	332	—	336	n.a.	—	168	—	—	—	
Trengganu	942	942	663	256	—	530	759	348	672	933	—	n.a.	n.a.	—	—	—	—	n.a.	
Pahang	661	728	873	789	74	352	474	114	573	474	n.a.	n.a.	449	—	—	—	n.a.	—	
Johore Timur Johore East	870	672	592	595	24	300	—	60	248	155	1,336	n.a.	n.a.	457	—	—	—	28	
Purata .. Average	815	777	746	629	49	470	652	685	503	430	615	208	343	711	344	469	309	31	

n.a = not available.

BILANGAN PERKAKAS-PERKAKAS YANG DILESENKAN MENGIKUT DAERAH PERIKANAN, 1981
Number of Licensed Fishing Gears by Fisheries Districts, 1981

Daerah Perikanan Fisheries Districts	Pukat Tarik Seine Nets				Perangkap-perangkap Traps										Jumlah Total
	Pukat Tunda Trawl Nets	Pukat Jenturi Purse Seine Fish	Pukat Jenturi Bili Purse Seine Anchovy	Lain-lain Other Seines	Pukat Hanyut Drift Gill Nets	Pukat Tengkok Lift Nets	Beli-beli Stagbany	Bulu Porabie	Pancing Hook & Lines	Pukat Bakul Bag Nets	Pukat Rintang Barrier Nets	Pukat Surung Push-Scop Nets	Memangai Siat Shedder Collections	Rampasan Miscellaneous	
1. Kuala Perlis ..	280	91	—	5	316	—	7	1	9	—	7	—	—	10	726
2. Langkawi ..	29	2	32	3	560	84	—	6	128	—	—	2	—	—	846
3. Kedah Utara ..	353	30	1	25	367	31	3	2	1	—	7	—	—	4	824
4. Kedah Selatan ..	123	52	9	27	782	28	—	4	21	131	50	6	—	3	1,236
5. Barat-Daya ..	131	43	2	15	730	12	—	10	13	196	—	—	—	—	1,152
6. Timur-Laut ..	44	1	—	10	234	1	—	3	29	12	—	—	—	—	334
7. Seberang Prai ..	—	44	—	146	937	—	4	33	29	61	2	—	19	35	1,310
8. Krian ..	—	15	—	860	946	—	1	9	37	166	—	—	60	107	2,201
9. Larut & Matang ..	647	2	—	12	794	—	—	24	60	27	—	—	179	178	1,923
10. Marjong/(Dindings) ..	653	74	16	60	593	—	—	49	262	—	—	—	89	25	1,821
11. Hilir Perak ..	349	57	—	3	431	—	10	30	77	—	—	—	1	82	1,040
12. Selangor Utara ..	195	—	—	—	704	4	—	2	20	24	12	—	—	—	961
13. Selangor Tengah ..	28	—	—	20	605	1	—	1	103	190	20	—	3,584	5	4,557
14. Pelabuhan Kelang ..	247	—	—	1	935	—	—	2	77	486	5	1	—	75	1,829
15. Selangor Selatan ..	12	—	—	—	500	—	—	10	79	—	4	—	—	—	605
16. Port Dickson ..	—	—	—	12	235	—	—	23	50	—	—	—	3	1	324
17. Melaka/(Malacca) ..	—	—	—	22	1,091	—	7	1	90	—	7	—	1	—	1,219
18. Muar ..	—	—	—	11	670	—	88	24	61	2	48	—	—	—	904
19. Batu Pahat ..	91	—	—	24	790	—	15	8	37	81	18	—	—	—	1,064
20. Pontian ..	232	—	—	9	559	—	9	5	20	137	17	—	—	—	988
21. Johor Bahru ..	—	—	—	19	615	8	78	126	23	—	10	1	—	2	882
22. Kota Tinggi ..	98	38	—	7	279	56	74	12	17	233	28	—	—	4	846
23. Mersing ..	259	38	—	5	213	21	22	53	16	—	2	—	—	—	629
24. Kuantan ..	133	18	12	3	132	21	1	107	245	—	—	—	—	—	672
25. Pekan ..	96	3	1	2	217	11	—	88	143	—	—	—	—	—	561
26. Kuala Rompin ..	75	18	2	1	77	—	8	18	14	2	—	—	—	—	215
27. Kemaman ..	81	13	16	7	66	31	—	122	—	—	—	—	—	—	336
28. Dungun ..	61	12	5	5	190	5	—	47	—	—	—	—	—	—	325
29. Marang ..	38	22	16	7	162	9	—	5	—	—	—	—	—	—	259
30. Kuala Trengganu ..	173	41	16	17	213	11	—	40	—	—	—	—	—	—	511
31. Besut ..	53	44	32	40	455	27	—	23	—	—	—	—	—	—	674
32. Kota Bharu ..	91	28	8	90	496	41	—	10	8	—	—	—	—	—	772
33. Bacok ..	2	12	—	18	453	17	—	4	—	—	—	—	—	—	506
Jumlah Total ..	4,574	698	168	1,486	16,347	419	327	902	1,669	1,748	237	10	3,936	531	33,052

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
 NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	4,405	—	—	4,405	197	1,308	1,004	262	118	1,059	310	139	7	1
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan	624	2	—	662	1	8	29	31	47	273	149	73	10	1
Purse Seine-Fish														
Pukat Jerut Bilis	289	23	5	261	9	35	52	42	13	71	32	7	—	—
Purse Seine-Anchovy														
Lain-lain	1,552	151	340	1,061	818	227	12	3	—	1	—	—	—	—
Other Seines														
Pukat Hanyut	14,979	2,103	5,069	7,807	2,930	4,022	596	171	60	24	2	1	1	—
Gill/Drift Nets														
Pukat Tangguk	517	104	107	306	60	158	50	12	8	13	5	—	—	—
Lift Nets														
Perangkap/Traps:														
Belat-belat	145	27	64	54	30	16	5	3	—	—	—	—	—	—
Stationary														
Bubu	693	29	109	555	46	195	179	65	31	31	6	1	1	—
Portable														
Pancing	4,958	1,292	1,084	2,582	709	987	630	192	23	34	2	3	—	2
Hook and Lines														
Pukat Bakul	731	155	169	407	353	48	1	3	1	1	—	—	—	—
Bag Nets														
Pukat Surung	138	54	70	14	13	1	—	—	—	—	—	—	—	—
Push/Scoop Nets														
Pukat Rentang	217	93	99	25	12	12	1	—	—	—	—	—	—	—
Barrier Nets														
Memunggut Siput	274	13	22	239	226	13	—	—	—	—	—	—	—	—
Shellfish Collections														
Pembawa Ikan	256	95	14	147	41	58	16	7	5	4	—	16	—	—
Fish Carriers														
Rampaian	612	296	216	100	14	2	—	—	1	6	17	48	12	—
Miscellaneous														
JUMLAH TOTAL	30,390	4,437	7,368	18,585	5,459	7,090	2,575	791	307	1,517	523	288	31	4

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	242	—	—	242	12	76	104	21	7	16	6	—	—	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	91	—	—	91	—	—	—	2	3	50	24	12	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	5	—	4	1	1	—	—	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	314	11	182	121	85	18	6	6	3	3	—	—	—	—
Pukat Tangguk Lift Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	3	—	—	3	3	—	—	—	—	—	—	—	—	—
Bubu Portable	3	—	—	3	1	—	1	1	—	—	—	—	—	—
Pancing Hook and Lines	62	23	4	35	5	9	7	3	—	11	—	—	—	—
Pukat Bakul Bag Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian Miscellaneous	9	4	5	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	729	38	195	496	107	103	118	33	13	80	30	12	—	—

KEDAH

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	546	—	—	546	20	54	62	37	20	258	84	11	—	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	39	2	—	37	—	—	2	2	1	23	3	5	—	—
Pukat Jerut Bilis Purse Seine-Anchovy .. .	84	—	—	84	—	—	—	1	1	50	25	7	—	—
Lain-lain .. . Other Seines .. .	63	7	53	3	3	—	—	—	—	—	—	—	—	—
Pukat Hanyut .. . Gill/Drift Nets .. .	1,641	150	1,141	350	208	112	18	7	3	2	—	—	—	—
Pukat Tangguk .. . Lift Nets .. .	132	1	54	77	40	36	—	1	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat .. . Stationary .. .	16	3	3	10	4	6	—	—	—	—	—	—	—	—
Bubu .. . Portable .. .	10	2	5	3	1	1	1	—	—	—	—	—	—	—
Pancing .. . Hook and Lines .. .	236	122	72	42	26	13	2	—	—	—	—	—	—	—
Pukat Bakul .. . Bag Nets .. .	81	52	29	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung .. . Push/Scoop Nets .. .	7	4	3	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang .. . Barrier Nets .. .	53	18	35	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput .. . Shellfish Collections .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan .. . Fish Carriers .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian .. . Miscellaneous .. .	92	7	2	83	—	—	—	—	—	6	17	48	12	—
JUMLAH TOTAL .. .	3,000	368	1,397	1,235	302	222	85	48	25	340	129	71	13	—

PULAU PINANG/PENANG

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	191	—	—	191	—	—	—	—	—	166	16	8	1	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	78	—	—	78	—	—	9	8	7	31	11	12	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	2	—	—	2	—	—	—	1	1	—	—	—	—	—
Lain-lain Other Seines	239	27	19	193	120	68	3	1	—	1	—	—	—	—
Pukat Hanyut Gill/Drift Nets	1,753	283	772	698	324	359	4	4	1	4	2	—	—	—
Pukat Tangguk Lift Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	3	3	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	40	4	8	28	1	2	5	13	5	1	1	—	—	—
Pancing Hook and Lines	185	63	105	17	6	5	1	5	—	—	—	—	—	—
Pukat Bakul Bag Nets	153	5	87	61	60	—	—	—	—	1	—	—	—	—
Pukat Surung Push/Scoop Nets	31	11	20	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	21	4	14	3	3	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	16	1	1	14	2	8	2	2	—	—	—	—	—	—
Rampaian Miscellaneous	34	23	11	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	2,747	424	1,038	1,285	516	442	24	34	14	204	30	20	1	—

PERAK

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	1,667	—	—	1,667	109	680	499	56	14	156	95	58	—	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	134	—	—	134	1	6	5	2	7	57	42	14	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	16	—	—	16	—	—	—	—	—	11	5	—	—	—
Lain-lain Other Seines	969	58	105	806	677	127	1	1	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	2,368	314	609	1,445	836	569	34	5	—	—	—	1	—	—
Pukat Tangguk Lift Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	14	5	—	9	4	—	2	3	—	—	—	—	—	—
Bubu Portable	106	4	8	94	5	25	45	2	5	11	1	—	—	—
Pancing Hook and Lines	432	99	144	189	71	64	35	18	—	1	—	—	—	—
Pukat Bakul Bag Nets	92	1	6	85	83	2	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	40	9	17	14	13	1	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	234	6	8	220	215	5	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	19	—	—	19	2	1	—	—	—	—	—	16	—	—
Rampaian Miscellaneous	374	205	156	13	13	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	6,465	701	1,053	4,711	2,029	1,480	621	87	26	236	143	89	—	—

SELANGOR

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	497	—	—	497	7	57	91	33	10	237	45	16	1	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	11	—	—	11	—	—	—	—	—	4	5	2	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	20	3	15	2	2	—	—	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	2,519	165	427	1,927	274	1,381	188	54	27	3	—	—	—	—
Pukat Tangguk Lift Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	5	1	3	1	—	1	—	—	—	—	—	—	—	—
Pancing Hook and Lines	250	62	90	98	24	61	5	4	3	1	—	—	—	—
Pukat Bakul... Bag Nets	288	92	4	192	149	39	1	2	1	—	—	—	—	—
Pukat Surung Push/Scoop Nets	34	12	22	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	36	21	4	11	3	7	1	—	—	—	—	—	—	—
Memunggut Siput... Shellfish Collections	13	—	—	13	6	7	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	18	4	—	14	2	3	—	3	3	3	—	—	—	—
Rampaian Miscellaneous	63	38	23	2	1	1	—	—	—	—	—	—	—	—
JUMLAH TOTAL	3,754	398	588	2,768	468	1,557	286	96	44	248	50	18	1	—

NEGERI SEMBILAN

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	7	3	4	—	—	—	—	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	203	57	53	93	19	73	1	—	—	—	—	—	—	—
Pukat Tangguk Lift Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pancing Hook and Lines	18	5	8	5	2	3	—	—	—	—	—	—	—	—
Pukat Bakul Bag Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian Miscellaneous	1	1	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	229	66	65	98	21	76	1	—	—	—	—	—	—	—

MELAKA/MALACCA

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	18	4	14	—	—	—	—	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	794	80	328	386	62	319	—	3	1	1	—	—	—	—
Pukat Tangguk Lift Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	5	1	4	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pancing Hook and Lines	81	18	45	18	3	15	—	—	—	—	—	—	—	—
Pukat Bakul Bag Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	7	4	3	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	1	—	—	1	—	1	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian Miscellaneous	—	—	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	907	108	394	405	65	335	—	3	1	1	—	—	—	—

JOHOR BARAT/WEST JOHORE
BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
 NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & Ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	345	—	—	345	17	152	93	58	15	10	—	—	—	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis Purse Seine-Anchovy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	52	8	43	1	1	—	—	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	2,687	450	1,197	1,040	500	532	5	3	—	—	—	—	—	—
Pukat Tangguk Lift Nets	3	—	3	—	—	—	—	—	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	64	6	46	12	12	—	—	—	—	—	—	—	—	—
Bubu Portable	112	13	80	19	2	10	4	3	—	—	—	—	—	—
Pancing Hook and Lines	584	300	270	14	9	5	—	—	—	—	—	—	—	—
Pukat Bakul Bag Nets	25	—	1	24	16	7	—	1	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	21	15	6	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	95	44	37	14	9	5	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	5	3	—	2	2	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	11	—	9	2	2	—	—	—	—	—	—	—	—	—
Rampaian Miscellaneous	14	6	7	1	—	1	—	—	—	—	—	—	—	—
JUMLAH TOTAL	4,018	845	1,699	1,474	570	712	102	65	15	10	—	—	—	—

KELANTAN

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & Ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	92	—	—	92	2	30	31	7	2	19	—	—	1	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	39	—	—	39	—	—	—	—	4	17	8	5	5	—
Pukat Jerut Bilis Purse Seine-Anchovy	2	—	—	2	—	1	1	—	—	—	—	—	—	—
Lain-lain Other Seines	104	12	78	14	6	6	2	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	859	72	118	669	398	127	70	57	11	5	—	—	1	—
Pukat Tangguk Lift Nets	111	23	50	38	8	16	6	4	3	1	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	22	—	—	22	1	1	3	2	3	9	3	—	—	—
Pancing Hook and Lines	544	81	87	376	167	87	65	44	7	5	—	1	—	—
Pukat Bakul Bag Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	4	—	1	3	2	—	—	1	—	—	—	—	—	—
Rampaian Miscellaneous	—	—	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	1,777	188	334	1,255	584	268	178	115	30	56	11	6	7	—

TRENGGANU

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-59.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	164	—	—	164	1	30	60	19	6	37	4	4	2	1
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	123	—	—	123	—	2	11	14	22	51	18	4	—	1
Pukat Jerut Bilis Purse Seine-Anchovy	148	11	—	137	5	33	46	37	10	5	1	—	—	—
Lain-lain Other Seines	52	15	—	37	5	26	6	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	943	397	1	545	93	243	166	25	12	6	—	—	—	—
Pukat Tangguk Lift Nets	160	29	—	131	9	80	34	4	1	1	2	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	192	—	—	192	7	65	57	36	17	9	—	—	1	—
Pancing Hook and Lines	1,781	332	2	1,447	323	566	432	99	12	11	1	1	—	2
Pukat Bakul Bag Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	185	90	3	92	31	44	13	1	2	1	—	—	—	—
Rampaian Miscellaneous	—	—	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH .. TOTAL	3,748	874	6	2,868	474	1,089	825	235	82	121	26	9	3	4

PAHANG

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & Ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	330	—	—	330	25	184	42	9	5	45	12	7	1	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	34	—	—	34	—	—	1	1	1	12	9	7	3	—
Pukat Jerut Bilis Purse Seine-Anchovy	37	12	5	20	4	1	5	3	1	5	1	—	—	—
Lain-lain Other Seines	6	3	1	2	1	—	—	1	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	341	76	63	202	46	110	40	5	1	—	—	—	—	—
Pukat Tangguk Lift Nets	59	28	—	31	3	16	9	3	—	—	—	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	150	—	—	150	11	71	60	7	1	—	—	—	—	—
Pancing Hook and Lines	193	15	1	177	18	87	58	13	1	—	—	—	—	—
Pukat Bakul Bag Nets	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian Miscellaneous	1	—	—	1	—	—	—	—	1	—	—	—	—	—
JUMLAH TOTAL	1,152	135	70	947	108	469	215	42	11	62	22	14	4	—

JOHOR TIMUR/EAST JOHORE

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT PERKAKAS, JENIS DAN MUATAN, 1981
NUMBER OF LICENSED FISHING BOATS BY GEAR GROUP, TYPE AND TONNAGE, 1981

Jenis Perkakas Type of Fishing Gear	Jumlah Total	Bot Tiada Berjentera Non-powered	Bot Berjentera Sangkut Out-board powered	BOT BERJENTERA DALAM/INBOARD-POWERED										
				Jumlah Kecil Sub-Total	0-4.9 Tan/Tons	5-9.9 Tan/Tons	10-14.9 Tan/Tons	15-19.9 Tan/Tons	20-24.9 Tan/Tons	25-39.9 Tan/Tons	40-49.9 Tan/Tons	50-69.9 Tan/Tons	70-99.9 Tan/Tons	100 Tan & Ke atas 100 Tons & above
Pukat Tunda/Trawl Nets	331	—	—	331	4	45	22	22	39	115	48	35	1	—
Pukat Tarik/Seine Nets:														
Pukat Jerut Ikan Purse Seine-Fish	75	—	—	75	—	—	1	2	2	28	29	12	1	—
Pukat Jerut Bilis Purse Seine-Anchovy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	17	11	4	2	2	—	—	—	—	—	—	—	—	—
Pukat Hanyut Gill/Drift Nets	557	48	178	331	85	179	64	2	1	—	—	—	—	—
Pukat Tangguk Lift Nets	52	23	—	29	—	10	1	—	4	11	3	—	—	—
Perangkap/Traps:														
Belat-belat Stationary	40	9	11	20	7	10	3	—	—	—	—	—	—	—
Bubu Portable	53	5	5	43	17	19	3	1	—	1	1	1	—	—
Pancing Hook and Lines	592	172	256	164	55	72	25	6	—	4	1	1	—	—
Pukat Bakul Bag Nets	91	4	42	45	45	—	—	—	—	—	—	—	—	—
Pukat Surung Push/Scoop Nets	4	2	2	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang Barrier Nets	25	6	19	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput Shellfish Collections	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan Fish Carriers	3	—	—	3	—	2	1	—	—	—	—	—	—	—
Rampaian Miscellaneous	24	12	12	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TOTAL	1,864	292	529	1,043	215	337	120	33	46	159	82	49	2	—

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
SIRI TAHUNAN PENDAPATAN IKAN LAUT DAN NILAI
ANNUAL SERIES OF MARINE FISH LANDINGS AND VALUE
(Dalam Tan Metrik/In Metric Tonnes)

Negeri State	1977		1978		1979		1980		1981	
	Kuantiti Quantity	Nilai Value \$	Kuantiti Quantity	Nilai Value \$	Kuantiti Quantity	Nilai Value \$	Kuantiti Quantity	Nilai Value \$	Kuantiti Quantity	Nilai Value \$
Pantai Barat/West Coast:										
Pertis	14,333	18,743,302	14,544	27,690,361	18,194	26,985,578	26,732	35,922,681	32,892	50,639,211
Kedah	71,616	148,232,460	66,491	170,987,018	86,199	203,415,251	99,500	189,435,291	148,028	271,317,277
Pulau Pinang Penang	28,023	44,313,230	22,522	48,452,722	28,349	46,440,921	40,010	61,065,108	34,125	59,826,988
Perak	143,158	254,065,774	186,645	415,445,997	189,638	295,992,154	230,683	316,624,988	147,289	279,976,968
Selangor	105,857	145,472,323	104,705	258,674,583	88,657	190,743,715	78,522	135,341,746	48,036	90,654,343
Negeri Sembilan	450	1,405,958	422	1,357,151	439	1,196,251	479	1,173,846	744	2,395,979
Melaka	1,453	3,564,026	2,441	5,306,208	2,409	7,021,076	2,524	8,145,858	2,485	9,969,650
Johor Barat West Johore	12,977	33,526,837	13,004	38,114,766	18,462	38,222,132	15,045	31,607,727	19,772	43,228,923
Jumlah Kecil .. Sub-Total	377,867	649,323,910	410,774	966,028,806	432,347	810,017,078	493,495	779,317,245	433,371	808,009,339
Pantai Timur/East Coast:										
Kelantan	6,489	11,783,998	14,493	31,698,259	15,437	20,396,599	18,482	26,318,801	8,854	15,907,210
Trengganu	77,800	120,206,433	75,349	163,272,752	65,584	88,482,647	58,623	93,555,583	140,434	252,021,861
Pahang	13,960	16,972,313	16,317	29,234,849	16,614	19,726,691	22,980	35,316,196	29,907	69,870,460
Johor Timur East Johore	21,836	30,206,875	47,965	103,176,609	40,923	48,952,569	30,318	43,489,522	36,749	68,882,761
Jumlah Kecil .. Sub-Total	120,085	179,169,619	154,124	327,382,469	138,558	177,558,506	130,403	198,680,102	215,944	406,682,292
Jumlah Besar .. Grand-Total	497,952	828,493,529	564,898	1,293,411,275	570,905	987,575,584	623,898	977,997,347	649,315	1,214,691,631

SEMENANJUNG MALAYSIA/(PENINSULAR MALAYSIA)
TANGKAPAN DAN NILAI IKAN LAUT MENGIKUT NEGERI BAGI TAHUN 1981
LANDINGS AND VALUE OF MARINE FISH BY STATES FOR THE YEAR 1981

Kuantiti dan Peratus Quantity and Percentage Negeri/State	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	Trengganu	Pahang	Johor Timur East Johore		
Pendaratan dalam Ton M. Landing in M. Tonnes	32,891.54	148,028.28	34,125.39	147,288.69	48,035.64	743.83	2,485.47	19,772.42	433,371.26	8,854.43	140,434.19	29,906.72	36,748.45	215,943.79	649,315.05
Peratus Percentage	5.07	22.80	5.26	22.68	7.40	0.11	0.38	3.04	66.74	1.36	21.63	4.61	5.66	33.26	100%
Nilai dalam M. Ringgit Value in Malaysian \$	50,639,211	271,317,277	59,826,988	279,976,968	90,654,343	2,395,979	9,969,650	43,228,923	808,009,339	15,907,210	252,021,861	69,870,460	68,882,761	406,682,292	1,214,691,631
Peratus Percentage	4.17	22.34	4.92	23.05	7.46	0.20	0.82	3.56	66.52	1.31	20.75	5.75	5.67	33.48	100%

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 1981
LANDINGS OF MARINE FISH BY MONTH AND STATE, 1981

Negeri/State	Bulan/Month	Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
Pantai Barat/West Coast														
Perlis		3,468.17	2,969.70	3,060.21	3,199.64	2,976.03	2,694.73	2,790.26	2,495.35	1,877.57	2,484.65	2,485.95	2,389.28	32,891.54
Kedah		10,765.26	12,305.86	16,498.24	14,423.78	14,986.57	15,036.60	11,349.73	9,807.20	10,077.56	9,221.78	9,584.26	13,971.44	148,028.28
Pulau Pinang		2,656.51	1,674.89	3,035.63	3,223.53	3,113.44	2,647.92	4,428.37	3,370.78	1,864.43	2,375.13	2,761.76	2,973.00	34,125.39
Perak		12,325.71	13,188.56	13,614.40	11,443.92	14,461.40	12,343.50	15,886.39	12,576.11	12,496.55	10,167.94	8,940.11	9,844.10	147,288.69
Selangor		3,449.00	2,302.11	4,008.83	3,886.81	5,073.63	4,415.37	4,675.50	4,686.09	4,574.11	3,458.68	3,736.42	3,769.09	48,035.64
Negeri Sembilan		44.65	50.03	50.57	49.67	50.33	49.73	69.45	104.77	101.33	68.78	51.78	52.74	743.83
Melaka		195.77	198.55	232.61	205.26	199.27	225.65	209.20	197.27	203.57	222.14	183.66	212.52	2,485.47
Johor Barat West Johore		1,722.38	1,573.20	1,143.80	1,973.83	3,259.22	2,056.24	2,622.62	899.68	1,291.47	1,536.88	693.53	999.57	19,772.42
Jumlah Kecil Sub-Total		34,627.45	34,262.90	41,644.29	38,406.44	44,119.89	39,469.74	42,031.52	34,137.25	32,486.59	29,535.98	28,437.47	34,211.74	433,371.26
Pantai Timur/East Coast														
Kelantan		592.92	811.86	794.31	747.19	649.24	964.37	879.55	756.20	983.85	837.08	685.54	152.32	8,854.43
Trengganu		9,535.88	10,706.59	18,696.98	17,377.61	12,781.43	10,665.88	10,249.61	12,970.18	12,445.31	11,523.23	6,508.29	6,973.20	140,434.19
Pahang		926.79	923.53	1,223.70	1,715.26	2,874.29	3,777.37	3,982.39	3,662.25	5,663.59	2,713.41	2,153.34	290.80	29,906.72
Johor Timur East Johore		1,067.99	2,302.80	2,541.25	3,329.34	3,069.86	3,397.82	3,149.79	3,573.68	3,638.60	6,091.17	3,213.98	1,372.17	36,748.45
Jumlah Kecil Sub-Total		12,123.58	14,744.78	23,256.24	23,169.40	19,374.82	18,805.44	18,261.34	20,962.31	22,731.35	21,164.89	12,561.15	8,788.49	215,943.79
Jumlah Besar/Grand Total Ton M./Metric Tonnes		46,751.03	49,007.68	64,900.53	61,575.84	63,494.71	58,275.18	60,292.86	55,099.56	55,217.94	50,700.87	40,998.62	43,000.23	649,315.05

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY STATE AND GEAR GROUP 1981

Negeri/State Kumpulan Perkakas Gear 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		
Pukat-pukat Tunda... <i>Trawl Nets</i>	8,488.93	111,919.61	4,984.08	40,740.11	25,431.55	—	—	8,369.99	199,934.27	1,153.54	11,388.27	7,836.27	13,959.20	34,337.28	234,271.55
P.P. Tarik/Seine Nets:															
Pukat Jerut Ikan... <i>P. Seine-Fish</i>	22,512.86	8,306.92	11,897.84	5,801.93	2,448.93	—	—	—	50,968.48	4,842.59	56,063.42	2,069.46	10,373.07	73,348.54	124,317.02
Pukat Jerut Bilis... <i>P. Seine-Anchovy</i>	—	20,638.73	—	6,388.64	—	—	—	—	27,027.37	—	5,378.78	2,539.44	—	7,918.22	34,945.59
Lain-lain... <i>Other Seine</i>	132.43	326.77	2,890.42	13,213.90	906.37	79.32	89.71	174.86	17,813.78	132.27	7,396.08	56.47	196.68	7,781.50	25,595.28
Pukat-pukat Hanyut... <i>Drift/Gill Nets</i>	658.08	2,555.90	5,303.20	11,369.21	6,333.84	333.19	1,569.69	3,504.46	31,627.57	690.76	23,968.13	4,891.07	3,775.14	33,325.10	64,952.67
Pukat-pukat Tangguk... <i>Lift Nets</i>	—	62.30	—	—	422.56	—	—	179.21	664.07	1,729.16	18,806.72	1,646.64	316.27	22,498.79	23,162.86
Perangkap-perangkap/Traps:															
Belat-belat... <i>Stationary</i>	689.30	591.66	—	2,690.37	94.50	—	165.22	859.19	5,090.24	—	—	266.05	446.94	712.99	5,803.23
Bubu... <i>Portable</i>	21.21	342.17	365.26	887.48	—	46.63	—	156.39	1,819.14	106.89	4,186.56	2,080.26	324.94	6,698.65	8,517.79
Pancing... <i>Lines</i>	192.25	147.44	147.02	3,518.99	994.94	143.90	429.29	807.41	6,381.24	166.93	10,455.55	8,467.64	5,026.14	24,116.26	30,497.50
Pukat-pukat Bakul... <i>Bag Nets</i>	—	671.26	2,175.04	1,739.70	6,048.14	—	—	5,133.67	15,767.81	—	—	—	2,210.71	2,210.71	17,978.52
Pukat-pukat Rentang... <i>Barrier Nets</i>	64.55	45.24	—	4.54	624.80	—	65.03	115.70	919.86	32.29	—	—	—	32.29	952.15
Pukat-pukat Surung... <i>Push/Scoop Nets</i>	—	115.04	769.27	2,613.59	—	—	157.87	—	3,655.77	—	—	—	—	—	3,655.77
Memungut Siput... <i>Shellfish Collection</i>	68.06	2,249.23	5,590.66	57,857.48	4,730.01	131.39	8.66	453.96	71,089.45	—	—	53.42	—	53.42	71,142.87
Rampaian... <i>Miscellaneous</i>	63.87	56.01	2.60	462.75	—	9.40	—	17.58	612.21	—	2,790.68	—	119.36	2,910.04	3,522.25
Jumlah/Total... Ton M.J.M. Tonnes	32,891.54	148,028.28	34,125.39	147,288.69	48,035.64	743.83	2,485.47	19,772.42	433,371.26	8,854.43	140,434.19	29,906.72	36,748.45	215,943.79	649,315.05

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
 LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas Gear Group	Bulan/Month	Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
Pukat-pukat Tunda <i>Trawl Nets</i>		20,135.75	16,465.74	24,113.58	19,750.93	25,098.07	23,173.75	18,949.69	17,963.10	16,973.17	17,241.51	15,806.05	18,600.21	234,271.55
P.P. Tarik/ <i>Seine Nets</i> :														
Pukat Jerut Ikan <i>P. Seine Fish</i>		9,206.63	10,039.60	14,486.86	13,406.27	11,128.29	8,940.29	10,836.50	11,310.21	9,673.82	12,346.76	6,711.39	6,230.40	124,317.02
Pukat Jerut Bilis <i>P. Seine Anchovy</i>		664.49	2,069.81	3,222.15	2,952.99	3,444.23	3,880.85	3,440.90	3,372.30	6,896.13	1,144.93	1,305.02	2,551.79	34,945.59
Lain-lain <i>Other Seines</i>		1,978.20	1,563.16	3,447.99	4,481.19	2,446.28	1,520.72	2,700.82	1,936.72	1,353.59	1,431.21	1,463.09	1,272.31	25,595.28
Pukat-pukat Hanyut <i>Drift/Gill Nets</i>		4,903.16	4,243.76	5,068.78	7,391.60	5,509.15	6,939.10	6,323.51	5,680.95	5,845.88	5,177.92	4,120.25	3,748.61	64,952.67
Pukat-pukat Tangguk <i>Lift Nets</i>		844.04	1,289.25	2,250.94	2,109.25	2,369.00	2,868.46	2,806.11	2,406.66	1,961.44	1,648.82	1,413.49	1,195.40	23,162.86
Perangkap-perangkap/ <i>Traps</i> :														
Belat-belat <i>Stationery</i>		1,163.27	537.27	510.69	516.81	516.58	263.29	305.65	269.76	379.07	504.05	437.02	399.77	5,803.23
Bubu <i>Portable</i>		425.39	337.13	613.35	660.16	663.16	1,076.89	899.58	639.39	1,252.10	829.99	579.91	540.74	8,517.79
Pancing <i>Lines</i>		2,240.16	1,591.54	1,589.23	2,821.02	2,788.93	2,764.37	2,926.80	3,123.35	3,461.42	3,142.70	2,533.15	1,514.83	30,497.50
Pukat-pukat Bakul <i>Bag Nets</i>		1,834.83	1,196.86	792.85	1,261.17	2,871.86	2,110.95	1,984.82	1,066.19	1,095.09	1,436.73	1,298.30	1,028.87	17,978.52
Pukat-pukat Rentang <i>Barrier Nets</i>		131.52	93.77	106.90	94.63	75.44	77.59	79.17	72.71	70.34	47.31	47.85	54.92	952.15
Pukat-pukat Surung <i>Push/Scoop Nets</i>		175.32	226.43	261.10	419.59	442.76	446.63	378.52	305.62	283.97	286.14	264.41	165.28	3,655.77
Memungut Siput.. <i>Shellfish Collection</i>		3,006.78	9,318.45	8,273.87	5,445.44	5,707.68	3,758.50	7,954.26	6,129.03	5,558.55	5,414.76	4,926.91	5,648.64	71,142.87
Rampaian <i>Miscellaneous</i>		41.49	34.91	162.24	264.79	433.28	453.79	706.53	823.57	413.37	48.04	91.78	48.46	3,522.25
Jumlah/Total Ton M./M. Tonnes		46,751.03	49,007.68	64,900.53	61,575.84	63,494.71	58,275.18	60,292.86	55,099.56	55,217.94	50,700.87	40,998.62	43,000.23	649,315.05

JADUAL (TABLE) 2.6

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month		Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton. M. Total M. Tonnes
Pukat-Pukat Tunda <i>Trawl Nets</i>	..	..	18,147.00	14,286.01	19,531.02	17,771.51	22,842.95	20,846.18	15,884.96	14,545.38	13,059.56	13,419.05	13,062.62	16,538.03	199,934.27
<i>P.P. Tarik/Seine Nets:</i>															
Pukat Jerut Ikan <i>P. Seine Fish</i>	..	..	3,765.76	2,739.08	5,592.19	5,878.03	5,293.83	3,829.34	6,454.52	4,275.93	2,653.55	3,806.35	3,212.72	3,467.18	50,968.48
Pukat Jerut Bilis <i>P. Seine Anchovy</i>	..	..	664.49	2,046.70	2,343.93	1,923.41	2,204.96	3,159.59	3,036.00	2,553.84	4,666.36	574.30	1,302.00	2,551.79	27,027.37
Lain-Lain <i>Others Seines</i>	..	..	1,615.37	797.50	1,228.68	1,222.30	1,374.76	1,459.10	2,684.98	1,928.55	1,345.43	1,426.61	1,461.21	1,269.29	17,813.78
Pukat-Pukat Hanyut <i>Drift/Gill Nets</i>	..	..	2,966.80	2,485.19	2,444.28	3,304.47	2,269.40	2,800.61	2,723.86	2,531.28	2,932.81	2,323.00	2,225.94	2,619.93	31,627.57
Pukat-Pukat Tangguk <i>Lift Nets</i>	..	..	59.89	55.78	61.71	59.95	84.43	86.43	46.28	63.22	46.56	38.60	27.04	34.18	664.07
<i>Perangkap-Perangkap/Traps:</i>															
Belat-Belat <i>Stationery</i>	..	..	1,078.76	526.80	495.57	415.48	467.40	231.41	252.06	178.59	286.15	421.35	395.58	341.09	5,090.24
Bubu <i>Portable</i>	..	..	119.72	133.57	154.13	159.49	161.29	248.76	173.14	136.79	101.27	125.09	151.84	154.05	1,819.14
Pancing <i>Lines</i>	..	..	1,059.53	429.23	395.76	588.72	558.57	507.26	495.21	519.41	477.69	456.86	434.48	458.52	6,381.24
Pukat-Pukat Bakul <i>Bag Nets</i>	..	..	1,795.02	1,089.48	710.09	1,068.31	2,590.07	1,989.17	1,811.08	841.69	970.29	1,174.29	846.76	881.56	15,767.81
Pukat-Pukat Rentang <i>Barrier Nets</i>	..	..	131.52	93.77	106.90	88.52	70.72	72.15	74.16	66.60	65.44	47.31	47.85	54.92	919.86
Pukat-Pukat Surung <i>Push/Scoop Nets</i>	..	..	175.32	226.43	261.10	419.59	442.76	446.63	378.52	305.62	283.97	286.14	264.41	165.28	3,655.77
Memungut Siput <i>Shellfish Collection</i>	..	..	3,006.78	9,318.45	8,273.87	5,445.44	5,707.68	3,758.50	7,954.26	6,129.03	5,553.71	5,388.99	4,925.28	5,627.46	71,089.45
Rampaian <i>Miscellaneous</i>	..	..	41.49	34.91	45.06	61.22	51.07	34.61	62.49	61.32	43.80	48.04	79.74	48.46	612.21
Jumlah/Total Ton M./M. Tonnes	..	..	34,627.45	34,262.90	41,644.29	38,406.44	44,119.89	39,469.74	42,031.52	34,137.25	32,486.59	29,535.98	28,437.47	34,211.74	433,371.26

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
 LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas Gear Group	Bulan/Month	Januari	Februari	Mach	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Ton M. Total M. Tonnes
		January	February	March	April	May	June	July	August	September	October	November	December	
Pukat-pukat Tunda <i>Trawl Nets</i>		1,988.75	2,179.73	4,582.56	1,979.42	2,255.12	2,327.57	3,064.73	3,417.72	3,913.61	3,822.46	2,743.43	2,062.18	34,337.28
P.P. Tarik/ <i>Seine Nets</i> :														
Pukat Jerut Ikan <i>P. Seine Fish</i>		5,440.87	7,300.52	8,894.67	7,528.24	5,834.46	5,110.95	4,381.98	7,034.28	7,020.27	8,540.41	3,498.67	2,763.22	73,348.54
Pukat Jerut Bilis <i>P. Seine Anchovy</i>		—	23.11	878.22	1,029.58	1,239.27	721.26	404.90	818.46	2,229.77	570.63	3.02	—	7,918.22
Lain-lain <i>Other Seines</i>		362.83	765.66	2,219.31	3,258.89	1,071.52	61.62	15.84	8.17	8.16	4.60	1.88	3.02	7,781.50
Pukat-pukat Hanyut <i>Drift/Gill Nets</i>		1,936.36	1,758.57	2,624.50	4,087.13	3,239.75	4,138.49	3,599.65	3,149.67	2,913.07	2,854.92	1,894.31	1,128.68	33,325.10
Pukat-pukat Tangguk <i>Lift Nets</i>		784.15	1,233.47	2,189.23	2,049.30	2,284.57	2,782.03	2,759.83	2,343.44	1,914.88	1,610.22	1,386.45	1,161.22	22,498.79
Perangkap-perangkap/ <i>Traps</i> :														
Belat-belat <i>Stationery</i>		84.51	10.47	15.12	101.33	49.18	31.88	53.59	91.17	92.92	82.70	41.44	58.68	712.99
Bubu <i>Portable</i>		305.67	203.56	459.22	500.67	501.87	828.13	726.44	502.60	1,150.83	704.90	428.07	386.69	6,698.65
Pancing <i>Lines</i>		1,180.63	1,162.31	1,193.47	2,232.30	2,230.36	2,257.11	2,431.59	2,603.94	2,983.73	2,685.84	2,098.67	1,056.31	24,116.26
Pukat-pukat Bakul <i>Bag Nets</i>		39.81	107.38	82.76	192.86	281.79	121.78	173.74	224.50	124.80	262.44	451.54	147.31	2,210.71
Pukat-pukat Rentang <i>Barrier Nets</i>		—	—	—	6.11	4.72	5.44	5.01	6.11	4.90	—	—	—	32.29
Pukat-pukat Surung <i>Push/Scoop Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput <i>Shellfish Collection</i>		—	—	—	—	—	—	—	—	4.84	25.77	1.63	21.18	53.42
Rampaian <i>Miscellaneous</i>		—	—	117.18	203.57	382.21	419.18	644.04	762.25	369.57	—	12.04	—	2,910.04
Jumlah/Total Ton M./M. Tonnes		12,123.58	14,744.78	23,256.24	23,169.40	19,374.82	18,805.44	18,261.34	20,962.31	22,731.35	21,164.89	12,561.15	8,788.49	215,943.79

JADUAL (TABLE) 2.8 (a)

PERLIS
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month		Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets	..	..	866.36	759.47	727.85	730.13	732.18	743.69	750.76	749.32	619.74	636.48	619.12	553.83	8,488.93
P.P. Tarik/Seine Nets															
Pukat Jerut Ikan P. Seine Fish	..	..	2,342.29	1,949.73	2,080.52	2,268.72	2,150.46	1,855.59	1,940.73	1,577.43	1,167.09	1,750.45	1,734.56	1,695.29	22,512.86
Pukat Jerut Bilis P. Seine Anchovy	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seine	..	..	16.09	13.12	11.68	12.16	12.09	11.48	11.48	11.20	8.23	8.84	8.45	7.61	132.43
Pukat-pukat Hanyut Drift/Gill Nets	..	..	57.71	52.39	53.06	52.33	53.06	53.30	55.78	56.44	53.24	57.96	56.19	56.62	658.08
Pukat-pukat Tangguk Lift Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap-perangkap/Traps:															
Belat-belat Stationary	..	..	161.71	172.72	160.98	109.26	—	—	—	—	—	—	37.02	47.61	689.30
Bubu Portable	..	..	—	—	1.44	1.63	1.68	2.12	2.36	2.60	2.24	2.42	2.54	2.18	21.21
Pancing Lines	..	..	13.91	12.89	14.94	15.79	16.58	17.54	18.03	18.39	16.21	16.94	16.15	14.88	192.25
Pukat-pukat Bakul Bag Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Rentang Barrier Nets	..	..	4.66	4.42	4.60	4.66	4.84	5.75	5.74	6.17	5.68	5.99	6.35	5.69	64.55
Pukat-pukat Surung Push/Scoop Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput Shellfish Collection	..	..	—	—	—	—	—	—	—	68.06	—	—	—	—	68.06
Rampaian Miscellaneous	..	..	5.44	4.96	5.14	4.96	5.14	5.26	5.38	5.74	5.14	5.57	5.57	5.57	63.87
Jumlah/Total Tan M./M. Tonnes	..	..	3,468.17	2,969.70	3,060.21	3,199.64	2,976.03	2,694.73	2,790.26	2,495.35	1,877.57	2,484.65	2,485.95	2,389.28	32,891.54

KEDAH
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets		9,518.15	9,631.82	12,319.06	10,322.93	11,686.63	11,433.39	8,351.12	6,759.65	6,540.54	7,510.46	7,391.41	10,454.45	111,919.61
P. P. Tarik/Seine Nets:														
Pukat Jerut Ikan P. Seine Fish		314.22	449.19	1,850.70	1,759.11	907.32	491.05	496.49	471.81	419.18	677.74	245.13	224.98	8,306.92
Pukat Jerut Bilis P. Seine Anchovy		522.08	1,857.47	2,025.05	1,721.17	1,812.58	2,395.40	1,741.99	1,959.77	2,514.94	387.55	1,274.23	2,426.50	20,638.73
Lain-lain Other Seines		8.83	9.07	8.16	35.69	25.29	51.00	55.89	28.49	28.92	29.45	20.87	25.11	326.77
Pukat-pukat Hanyut Drift/Gill Nets		232.06	203.87	153.84	175.92	149.61	186.57	184.51	205.69	184.03	227.89	276.83	375.08	2,555.90
Pukat-pukat Tangguk Lift Nets		4.60	6.72	8.11	5.14	4.17	4.96	4.90	4.23	5.26	4.84	3.93	5.44	62.30
Perangkap-perangkap/Traps:														
Belat-belat Stationary		51.30	46.58	40.59	59.41	49.73	67.76	82.09	29.95	49.00	33.76	33.88	47.61	591.66
Bubu Portable		2.90	1.75	1.63	24.02	18.27	54.51	47.07	36.36	24.38	39.02	36.36	55.90	342.17
Pancing Lines		14.82	13.07	7.20	11.74	8.29	6.78	6.05	16.39	15.25	17.06	14.40	16.39	147.44
Pukat-pukat Bakul Bag Nets		78.52	69.69	68.72	69.09	63.76	68.72	62.86	29.10	29.40	25.11	27.22	79.07	671.26
Pukat-pukat Rentang Barrier Nets		2.48	2.84	2.54	4.23	4.84	5.32	4.42	3.15	3.81	3.81	3.99	3.81	45.24
Pukat-pukat Surung Push/Scoop Nets		2.06	1.51	1.63	12.58	10.34	12.46	12.95	12.46	11.37	13.91	16.15	7.62	115.04
Memungut Siput Shellfish Collection		10.28	10.28	9.38	214.16	238.96	254.08	296.43	244.40	247.43	245.92	235.93	241.98	2,249.23
Rampaian Miscellaneous		2.96	2.00	1.63	8.59	6.78	4.60	2.96	5.75	4.05	5.26	3.93	7.50	56.01
Jumlah/Total Ton M./M. Tonnes		10,765.26	12,305.86	16,498.24	14,423.78	14,986.57	15,036.60	11,349.73	9,807.20	10,077.56	9,221.78	9,584.26	13,971.44	148,028.28

JADUAL (TABLE) 2.8 (c)

PULAU PINANG
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month		Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets	..	..	616.21	271.63	459.65	426.86	539.43	460.62	594.74	396.67	141.44	319.36	327.47	430.00	4,984.08
P. P. Tarik/Seine Nets:															
Pukat Jerut Ikan P. Seine-Fish	..	..	143.68	230.97	1,284.69	1,412.58	1,465.21	999.40	2,500.24	1,943.62	159.53	731.28	629.64	397.00	11,897.84
Pukat Jerut Bilis P. Seine-Anchovy	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	..	..	470.90	138.05	107.38	266.30	138.90	225.05	120.99	107.62	285.06	290.44	415.73	324.00	2,890.42
Pukat-pukat Hanyut Drift/Gill Nets	..	..	526.38	228.07	347.55	376.77	507.27	399.03	525.23	313.85	672.78	407.50	408.77	590.00	5,303.20
Pukat-pukat Tangguk Lift Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap-perangkap/Traps:															
Belat-belat Stationary	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable	..	..	—	12.58	20.21	52.03	70.49	70.66	30.19	30.01	24.26	11.67	27.16	16.00	365.26
Pancing Lines	..	..	24.14	8.59	16.94	10.59	10.04	16.27	14.52	9.01	12.46	6.17	8.29	10.00	147.02
Pukat-pukat Bakul Bag Nets	..	..	222.08	171.57	91.35	435.33	179.68	365.28	166.24	92.56	126.86	144.89	73.20	106.00	2,175.04
Pukat-pukat Rentang Barrier Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Surung Push/Scoop Nets	..	..	114.70	75.02	85.97	97.88	75.74	84.39	60.01	73.14	36.54	59.71	2.17	4.00	769.27
Memungut Siput Shellfish Collection	..	..	538.42	538.41	620.08	145.19	125.89	27.22	416.21	404.30	405.50	404.11	869.33	1,096.00	5,590.66
Rampaian Miscellaneous	..	..	—	—	1.81	—	0.79	—	—	—	—	—	—	—	2.60
Jumlah/Total Ton M./M. Tonnes	..	..	2,656.51	1,674.89	3,035.63	3,223.53	3,113.44	2,647.92	4,428.37	3,370.78	1,864.43	2,375.13	2,761.76	2,973.00	34,125.39

PERAK
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	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 Ton M. Total M. Tonnes
Pukat-pukat Tunda <i>Trawl Nets</i>		4,272.66	2,001.51	2,775.81	2,930.79	6,125.89	5,139.08	2,704.18	3,523.65	2,825.71	2,650.21	2,899.09	2,891.53	40,740.11
P.P. Tarik/ <i>Seine Nets</i> :														
Pukat Jerut Ikan <i>P. Seine-Fish</i>		789.41	73.44	293.77	412.82	316.33	302.66	929.76	260.08	706.90	646.88	192.26	877.62	5,801.93
Pukat Jerut Bilis <i>P. Seine-Anchovy</i>		142.41	189.23	318.88	202.24	392.38	764.19	1,294.01	594.07	2,151.42	186.75	27.77	125.29	6,388.64
Lain-lain <i>Other Seines</i>		1,038.17	571.38	1,032.13	831.70	1,117.97	1,074.59	2,376.53	1,647.43	892.37	967.45	891.11	773.07	13,213.90
Pukat-pukat Hanyut <i>Drift/Gill Nets</i>		1,240.83	1,030.07	781.24	1,279.19	613.49	1,130.61	993.65	1,066.97	1,013.55	714.40	706.84	798.37	11,369.21
Pukat-pukat Tangguk <i>Lift Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap-perangkap/ <i>Traps</i> :														
Belat-belat <i>Stationary</i>		791.47	279.31	194.73	122.62	216.34	114.76	117.30	121.42	121.36	233.27	238.77	139.02	2,690.37
Bubu <i>Portable</i>		97.40	91.17	103.57	73.81	61.16	108.23	79.49	54.45	41.98	58.56	60.31	57.35	887.48
Pancing <i>Lines</i>		796.49	130.91	224.74	354.45	326.74	280.34	265.09	264.48	227.95	193.59	217.79	236.42	3,518.99
Pukat-pukat Bakul <i>Bag Nets</i>		1,054.57	127.89	94.19	61.28	54.32	53.72	59.47	61.59	40.96	56.63	51.18	23.90	1,739.70
Pukat-pukat Rentang <i>Barrier Nets</i>		4.54	—	—	—	—	—	—	—	—	—	—	—	4.54
Pukat-pukat Surung <i>Push/Scoop Nets</i>		56.99	140.04	151.78	303.99	349.00	335.81	285.90	191.95	214.46	192.38	240.11	151.18	2,613.59
Memungut Siput <i>Shellfish Collection</i>		2,009.86	8,528.38	7,609.62	4,826.26	4,851.24	3,016.64	6,729.10	4,742.59	4,227.34	4,232.67	3,346.82	3,736.96	57,857.48
Rampaian <i>Miscellaneous</i>		30.91	25.23	33.94	44.77	36.54	22.87	51.91	47.43	32.55	35.15	68.06	33.39	462.75
Jumlah/Total Ton M./M. Tonnes		12,325.71	13,188.56	13,614.40	11,443.92	14,461.40	12,343.50	15,886.39	12,576.11	12,496.55	10,167.94	8,940.11	9,844.10	147,288.69

JADUAL (TABLE) 2.8(e)

SELANGOR
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month		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 Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets	..	..	1,761.40	937.07	2,852.81	2,524.68	2,721.30	2,262.25	2,188.14	2,787.78	2,417.48	1,629.52	1,638.17	1,710.95	25,431.55
P. P. Tarik/Seine Nets:															
Pukat Jerut Ikan P. Seine-Fish	..	..	176.16	35.75	82.51	24.80	454.51	180.64	587.30	22.99	200.85	—	411.13	272.29	2,448.93
Pukat Jerut Bilis P. Seine-Anchovy	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	..	..	37.39	37.63	40.41	43.86	44.28	63.46	87.60	103.57	106.96	110.71	107.14	123.36	906.37
Pukat-pukat Hanyut Drift/Gill Nets	..	..	498.32	523.05	512.83	517.84	535.51	669.21	556.99	547.06	563.22	455.79	467.39	486.63	6,333.84
Pukat-pukat Tangguk Lift Nets	..	..	55.29	49.06	53.60	54.81	51.60	55.41	18.27	21.48	17.42	17.31	12.40	15.91	422.56
Perangkap-perangkap/Traps:															
Belat-belat Stationary	..	..	—	—	—	—	—	11.62	11.13	11.98	14.58	14.82	16.46	13.91	94.50
Bubu Portable	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Pancing Lines	..	..	77.98	70.18	63.77	66.67	66.79	84.03	91.47	93.23	96.56	97.93	91.77	94.56	994.94
Pukat-pukat Bakul Bag Nets	..	..	341.19	363.40	342.16	395.11	710.83	620.45	626.68	465.03	517.84	643.43	522.99	499.03	6,048.14
Pukat-pukat Rentang Barrier Nets	..	..	83.24	76.05	60.74	58.56	49.91	47.85	52.99	49.79	49.36	31.82	33.40	31.09	624.80
Pukat-pukat Surung Push/Scoop Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput Shellfish Collection	..	..	418.03	209.92	—	200.48	438.90	420.45	454.93	583.18	589.84	457.35	435.57	521.36	4,730.01
Rampai Miscellaneous	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah/Total Ton M/M. Tonnes	..	..	3,449.00	2,302.11	4,008.83	3,886.81	5,073.63	4,415.37	4,675.50	4,686.09	4,574.11	3,458.68	3,736.42	3,769.09	48,035.64

NEGERI SEMBILAN
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Ton M. Total M. Tonnes
		January	February	March	April	May	June	July	August	September	October	November	December	
Pukat-pukat Tunda <i>Trawl Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
P. P. Tarik/ <i>Seine Nets</i> :														
Pukat Jerut Ikan <i>P. Seine-Fish</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis <i>P. Seine-Anchovy</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain <i>Other Seines</i>		5.39	6.96	6.90	7.08	7.32	6.66	6.96	6.29	6.35	6.72	6.23	6.46	79.32
Pukat-pukat Hanyut <i>Drift/Gill Nets</i>		22.08	25.65	27.40	26.68	26.98	29.76	31.52	28.92	29.89	28.67	28.25	27.39	333.19
Pukat-pukat Tangguk <i>Lift Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap-perangkap/ <i>Traps</i> :														
Belat-belat <i>Stationary</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu <i>Portable</i>		4.05	4.42	4.29	4.42	4.17	3.63	3.69	4.05	3.39	3.08	3.45	3.99	46.63
Pancing <i>Lines</i>		12.16	12.28	11.31	10.77	11.01	9.01	11.25	12.34	12.82	13.79	13.00	14.16	143.90
Pukat-pukat Bakul <i>Bag Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Rentang <i>Barrier Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Surung <i>Push/Scoop Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput <i>Shellfish Collection</i>		—	—	—	—	—	—	15.24	52.27	48.15	15.73	—	—	131.39
Rampaian <i>Miscellaneous</i>		0.97	0.72	0.67	0.72	0.85	0.67	0.79	0.90	0.73	0.79	0.85	0.74	9.40
Jumlah/Total Ton M./M. Tonnes		44.65	50.03	50.57	49.67	50.33	49.73	69.45	104.77	101.33	68.78	51.78	52.74	743.83

MELAKA

TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Ton M. Total M. Tonnes
		January	February	March	April	May	June	July	August	September	October	November	December	
Pukat-pukat Tunda <i>Trawl Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
P. P. Tarik/ <i>Seine Nets</i> :														
Pukat Jerut Ikan <i>P. Seine-Fish</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis <i>P. Seine-Anchovy</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain .. <i>Other Seines</i>		8.77	7.44	8.17	8.77	12.46	10.04	8.17	8.47	5.26	4.11	4.66	3.39	89.71
Pukat-pukat Hanyut <i>Drift/Gill Nets</i>		126.26	119.66	139.93	133.45	124.74	144.71	126.44	106.41	128.37	146.16	123.05	150.51	1,569.69
Pukat-pukat Tangguk <i>Lift Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap-perangkap/ <i>Traps</i> :														
Belat-belat .. <i>Stationary</i>		7.92	18.57	23.17	16.52	11.74	14.10	16.88	15.24	10.65	11.01	9.44	9.98	165.22
Bubu .. <i>Portable</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pancing .. <i>Lines</i>		44.59	31.52	27.58	34.30	36.00	36.12	33.57	34.91	34.79	38.66	36.84	40.41	429.29
Pukat-pukat Bakul <i>Bag Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Rentang <i>Barrier Nets</i>		5.81	7.26	8.47	7.08	6.65	6.71	4.48	4.17	2.90	2.06	3.69	5.75	65.03
Pukat-pukat Surung <i>Push/Scoop Nets</i>		1.57	9.86	21.72	5.14	7.68	13.97	19.66	28.07	21.60	20.14	5.98	2.48	157.87
Memungut Siput .. <i>Shellfish Collection</i>		0.85	4.24	3.57	—	—	—	—	—	—	—	—	—	8.66
Rampaian .. <i>Miscellaneous</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah/Total Ton M./M. Tonnes		195.77	198.55	232.61	205.26	199.27	225.65	209.20	197.27	203.57	222.14	183.66	212.52	2,485.47

JOHOR BARAT/WEST JOHORE
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
 LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month		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 Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets	..	..	1,112.22	684.51	395.84	836.12	1,037.52	807.15	1,296.02	328.31	514.65	673.02	187.36	497.27	8,369.99
P. P. Tarik/Seine Nets:															
Pukat Jerut Ikan P. Seine-Fish	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis P. Seine-Anchovy	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain Other Seines	..	..	29.83	13.85	13.85	16.74	16.45	16.82	17.36	15.48	12.28	8.89	7.02	6.29	174.86
Pukat-pukat hanyut Drift/Gill Nets	..	..	263.16	302.43	428.43	742.29	258.74	187.42	249.74	205.94	287.73	284.63	158.62	135.33	3,504.46
Pukat-pukat Tangguk Lift Nets	..	..	—	—	—	—	28.66	26.06	23.11	37.51	23.88	16.45	10.71	12.83	179.21
Perangkap-perangkap/Traps:															
Belat-belat Stationary	..	..	66.36	9.62	76.10	107.67	189.59	23.17	24.66	—	90.56	128.49	60.01	82.96	859.19
Bubu Portable	..	..	15.37	23.65	22.99	3.58	5.52	9.61	10.34	9.32	5.02	10.34	22.02	18.63	156.39
Pancing Lines	..	..	75.44	149.79	29.28	84.41	83.12	57.17	55.23	70.66	61.65	72.72	36.24	31.70	807.41
Pukat-pukat Bakul Bag Nets	..	..	98.66	356.93	113.67	107.50	1,581.48	881.00	895.83	193.41	255.23	304.23	172.17	173.56	5,133.67
Pukat-pukat Rentang Barrier Nets	..	..	30.79	3.20	30.55	13.99	4.48	6.52	6.53	3.32	3.69	3.63	0.42	8.58	115.70
Pukat-pukat Surung Push/Scoop Nets	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput Shellfish Collection	..	..	29.34	27.22	31.22	59.35	52.69	40.11	42.35	34.23	35.45	33.21	37.63	31.16	453.96
Rampaian Miscellaneous	..	..	1.21	2.00	1.87	2.18	0.97	1.21	1.45	1.50	1.33	1.27	1.33	1.26	17.58
Jumlah/Total Ton M./M. Tonnes	..	..	1,722.38	1,573.20	1,143.80	1,973.83	3,259.22	2,056.24	2,622.62	899.68	1,291.47	1,536.88	693.53	999.57	19,772.42

JADUAL (TABLE) 2.8(i)

KELANTAN
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

	Kumpulan Perkakas/ Gear Group	Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Total M. Tonnes
			January	February	March	April	May	June	July	August	September	October	November	December	
	Pukat-pukat Tunda <i>Trawl Nets</i>	.. ..	131.16	37.75	190.62	134.60	131.94	131.28	88.63	94.79	94.37	72.54	32.61	13.25	1,153.54
	P. P. Tarik/ <i>Seine Nets</i> :														
	Pukat Jerut Ikan <i>P. Seine-Fish</i>	.. ..	289.29	510.77	323.53	304.92	240.70	536.96	495.29	329.28	647.07	568.78	546.94	49.06	4,842.59
	Pukat Jerut Bilis <i>P. Seine-Anchovy</i>	.. ..	—	—	—	—	—	—	—	—	—	—	—	—	—
	Lain-lain <i>Other Seines</i>	.. ..	40.00	6.83	13.74	15.36	7.46	10.05	13.00	8.17	8.16	4.60	1.88	3.02	132.27
	Pukat-pukat Hanyut <i>Drift/Gill Nets</i>	.. ..	116.94	37.51	51.18	61.58	43.80	42.84	53.60	60.92	78.89	62.79	38.60	42.11	690.76
45	Pukat-pukat Tangguk <i>Lift Nets</i>	.. ..	9.07	196.80	191.65	194.07	196.79	206.35	186.45	210.65	133.82	112.40	54.63	36.48	1,729.16
	Perangkap-perangkap/ <i>Traps</i> :														
	Belat-belat <i>Stationary</i>	.. ..	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bubu <i>Portable</i>	.. ..	2.42	10.10	9.98	14.70	6.47	9.13	12.16	14.70	10.53	5.99	5.75	4.96	106.89
	Pancing <i>Lines</i>	.. ..	4.04	12.10	13.61	15.85	17.36	22.32	25.41	31.58	6.11	9.98	5.13	3.44	166.93
	Pukat-pukat Bakul <i>Bag Nets</i>	.. ..	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pukat-pukat Rentang <i>Barrier Nets</i>	.. ..	—	—	—	6.11	4.72	5.44	5.01	6.11	4.90	—	—	—	32.29
	Pukat-pukat Surung <i>Push/Scoop Nets</i>	.. ..	—	—	—	—	—	—	—	—	—	—	—	—	—
	Memungut Siput <i>Shellfish Collection</i>	.. ..	—	—	—	—	—	—	—	—	—	—	—	—	—
	Rampaian <i>Miscellaneous</i>	.. ..	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jumlah/Total Ton M./M. Tonnes	.. ..	592.92	811.86	794.31	747.19	649.24	964.37	879.55	756.20	983.85	837.08	685.54	152.32	8,854.43

TRENGGANU
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	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 Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets		1,083.97	971.14	2,404.05	385.36	568.07	425.58	826.13	866.91	949.73	884.83	674.65	1,347.85	11,388.27
P.P. Tarik/Seine Nets:														
Pukat Jerut Ikan P. Seine-Fish		5,032.04	6,018.67	7,789.04	5,783.81	4,381.90	3,369.64	3,216.27	5,533.27	4,944.40	5,610.47	1,888.69	2,495.22	56,063.42
Pukat Jerut Bilis P. Seine-Anchovy		—	—	868.36	1,024.44	1,095.04	529.48	203.45	680.64	841.32	136.05	—	—	5,378.78
Lain-lain Other Seines		322.83	720.71	2,203.46	3,084.97	1,058.27	5.84	—	—	—	—	—	—	7,396.08
Pukat-pukat Hanyut Drift/Gill Nets		1,630.31	1,584.15	2,312.04	3,316.82	2,466.00	2,631.34	2,331.28	2,144.16	1,822.20	1,534.72	1,153.60	1,041.51	23,968.13
Pukat-pukat Tangguk Lift Nets		775.08	855.54	1,987.84	1,827.28	1,884.09	2,292.26	2,004.84	1,875.08	1,628.43	1,324.68	1,226.86	1,124.74	18,806.72
Perangkap-perangkap/Traps:														
Belat-belat Stationery		—	—	—	—	—	—	—	—	—	—	—	—	—
Bubu Portable		238.35	143.25	341.80	330.61	375.86	448.58	449.61	298.19	324.32	528.37	351.60	356.02	4,186.56
Pancing Lines		453.30	413.13	673.21	1,420.75	569.99	543.98	681.31	809.68	1,565.34	1,504.11	1,212.89	607.86	10,455.55
Pukat-pukat Bakul Bag Nets		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Rentang Barrier Nets		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Surung Push/Scoop Nets		—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput Shellfish Collection		—	—	—	—	—	—	—	—	—	—	—	—	—
Rampai Miscellaneous		—	—	117.18	203.57	382.21	419.18	536.72	762.25	369.57	—	—	—	2,790.68
Jumlah/Total Ton M./M. Tonnes		9,535.88	10,706.59	18,696.98	17,377.61	12,781.43	10,665.88	10,249.61	12,970.18	12,445.31	11,523.23	6,508.29	6,973.20	140,434.19

PAHANG
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	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 Ton M. Total M. Tonnes
Pukat-pukat Tunda Trawl Nets		223.11	367.39	713.85	524.98	493.53	657.83	909.68	1,218.68	1,096.49	886.20	546.64	197.88	7,836.27
P. P. Tarik/Seine Nets:														
Pukat Jerut Ikan P. Seine-Fish		—	114.64	142.23	277.80	403.94	150.33	104.12	3.20	352.45	130.49	390.26	—	2,069.46
Pukat Jerut Bilis P. Seine-Anchovy		—	23.11	9.86	5.14	144.23	191.78	201.45	137.82	1,388.45	434.58	3.02	—	2,539.44
Lain-lain Other Seines		—	—	2.11	—	5.79	45.73	2.84	—	—	—	—	—	56.47
Pukat-pukat Hanyut Drift/Gill Nets		176.83	84.82	146.22	460.94	332.37	1,090.44	560.62	305.57	681.25	415.55	612.33	24.13	4,891.07
Pukat-pukat Tangguk Lift Nets		—	121.96	9.74	27.95	203.69	166.06	509.68	221.23	152.63	128.74	104.96	—	1,646.64
Perangkap-perangkap/Traps:														
Belat-belat Stationary		—	—	—	12.58	8.47	1.09	10.88	54.51	75.98	69.69	32.85	—	266.05
Bubu Portable		64.90	32.18	75.92	78.65	86.87	264.73	224.50	189.71	795.83	170.54	70.72	25.71	2,080.26
Pancing Lines		461.95	179.43	123.77	327.22	1,195.40	1,209.38	1,458.62	1,531.52	1,115.67	451.85	390.93	21.90	8,467.64
Pukat-pukat Bakul Bag Nets		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Rentang Barrier Nets		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Surung Push/Scoop Nets		—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput Shellfish Collection		—	—	—	—	—	—	—	—	4.84	25.77	1.63	21.18	53.42
Rampaian Miscellaneous		—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah/Total Ton M./M. Tonnes		926.79	923.53	1,223.70	1,715.26	2,874.29	3,777.37	3,982.39	3,662.25	5,663.59	2,713.41	2,153.34	290.80	29,906.72

JOHOR TIMUR/EAST JOHORE
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS, 1981
LANDINGS OF MARINE FISH BY MONTH AND GEAR GROUP, 1981

Kumpulan Perkakas/ Gear Group	Bulan/Month	Januari	Februari	Mac	April	Mei	Jun	Julai	Ogos	September	Oktober	November	Disember	Jumlah Ton M. Total M. Tonnes
		January	February	March	April	May	June	July	August	September	October	November	December	
Pukat-pukat Tunda <i>Trawl Nets</i>		550.51	803.45	1,274.04	934.48	1,061.58	1,112.88	1,240.29	1,237.33	1,773.02	1,978.89	1,489.53	503.20	13,959.20
P. P. Tarik/Seine Nets:														
Pukat Jerut Ikan <i>P. Seine-Fish</i>		119.54	656.44	639.87	1,161.71	807.92	1,054.02	566.30	1,168.53	1,076.35	2,230.67	672.78	218.94	10,373.07
Pukat Jerut Bilis <i>P. Seine-Anchovy</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Lain-lain <i>Other Seines</i>		—	38.12	—	158.56	—	—	—	—	—	—	—	—	196.68
Pukat-pukat Hanyut <i>Drift/Gill Nets</i>		12.28	52.09	115.06	247.79	397.58	373.87	654.15	639.02	330.73	841.86	89.78	20.93	3,775.14
Pukat-pukat Tangguk <i>Lift Nets</i>		—	59.17	—	—	—	117.36	58.86	36.48	—	44.40	—	—	316.27
Perangkap-perangkap/Traps:														
Belat-belat <i>Stationary</i>		84.51	10.47	15.12	88.75	40.71	30.79	42.71	36.66	16.94	13.01	8.59	58.68	446.94
Bubu <i>Portable</i>		—	18.03	31.52	76.71	32.67	105.69	40.17	—	20.15	—	—	—	324.94
Pancing <i>Lines</i>		261.34	557.65	382.88	468.48	447.61	481.43	266.25	231.16	296.61	719.90	489.72	423.11	5,026.14
Pukat-pukat Bakul <i>Bag Nets</i>		39.81	107.38	82.76	192.86	281.79	121.78	173.74	224.50	124.80	262.44	451.54	147.31	2,210.71
Pukat-pukat Rentang <i>Barrier Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat-pukat Surung <i>Push/Scoop Nets</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput <i>Shellfish Collection</i>		—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian <i>Miscellaneous</i>		—	—	—	—	—	—	107.32	—	—	—	12.04	—	119.36
Jumlah/Total Ton M./M. Tonnes		1,067.99	2,302.80	2,541.25	3,329.34	3,069.86	3,397.82	3,149.79	3,573.68	3,638.60	6,091.17	3,213.98	1,372.17	36,748.45

SEMANANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUTI NEGERI DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY STATE AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish	Pantai Barat West Coast								Jumlah kecil Sub-Total	Pantai Timur East Coast				Jumlah kecil Sub-total	Jumlah Besar Ton M. Grand Total M. Tonnes
	Nama Tempatan Local Name	Perlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johore		Kelantan	Trengganu	Pahang	Johor Timur East Johore		
	<i>Species:</i>															
24	Kebasi/Selangat ..	26.07	238.54	212.59	471.45	—	24.14	37.27	164.98	1,175.04	0.54	27.23	—	40.78	68.55	1,243.59
	Puput/B. Mata/Tirok ..	—	89.58	21.42	131.40	1.51	—	2.18	182.72	428.81	—	—	1,852	56.92	75.44	504.25
	Terubok	—	—	—	12.10	—	—	—	0.24	12.34	—	—	—	—	—	12.34
25	Siakap	—	0.30	1.42	20.80	—	11.20	8.30	1.88	43.90	—	23.79	59.16	0.06	83.01	126.91
31	Lidah	183.97	1,371.92	71.84	72.62	628.15	—	—	28.61	2,357.11	0.36	53.91	12.28	8.89	75.44	2,432.55
	Sebelah	7.75	110.29	—	48.10	15.00	—	—	—	181.14	14.69	41.15	13.25	26.43	95.52	276.66
33	Bayan	—	—	—	—	—	—	—	—	—	0.67	156.74	147.07	47.19	351.67	351.67
	Biji Nangka	—	3.69	36.91	302.29	—	—	—	61.15	404.04	105.61	282.75	9.14	170.60	568.10	972.14
	Daun Baharu	—	5.08	—	5.26	—	—	—	10.09	20.43	1.44	52.98	21.22	6.52	82.16	102.59
	Delah	—	22.74	—	52.19	—	—	—	—	74.93	0.06	284.28	313.98	270.80	869.12	944.05
	Duri/Pulatan/Utik ..	23.43	336.91	96.76	930.37	413.06	16.24	119.77	511.33	2,447.87	18.19	129.11	897.52	501.09	1,545.91	3,993.78
	Dengkis/Debam ..	—	0.18	—	10.95	—	—	—	6.28	17.41	1.03	359.03	68.11	120.27	548.44	565.85
	Gelama/Tengkerong ..	144.46	1,847.38	451.56	887.82	1,096.73	12.14	25.58	563.19	5,028.86	171.70	294.26	593.56	475.58	1,535.10	6,563.96
	Gerut-gerut	79.38	221.51	62.76	512.34	417.12	—	—	41.31	1,334.42	24.75	125.52	578.52	3.14	731.93	2,066.35
	Jenahak	18.61	103.01	37.84	320.26	124.18	29.87	33.40	57.65	724.82	0.06	8.52	9.86	27.70	46.14	770.96
	Kaci	—	28.50	0.36	87.83	—	—	—	6.95	123.64	0.55	155.05	303.99	56.86	516.45	640.09
	Kerapu	46.73	377.92	131.67	802.89	70.36	13.29	38.54	47.72	1,529.12	38.70	487.37	1,073.68	170.29	1,770.04	3,299.16
	Kerisi	32.30	2,607.00	121.75	2,669.22	93.83	—	—	—	5,524.10	172.46	971.00	1,894.59	890.07	3,928.12	9,452.22
	Kerisi Bali	—	—	17.40	123.17	—	—	—	—	140.57	—	20.26	—	—	20.26	160.83
	Kikek	—	3.37	4.78	98.12	13.96	—	—	9.86	130.09	104.17	268.17	91.82	121.74	585.90	715.99
	Malong	45.56	507.01	70.67	125.12	468.67	0.54	17.13	463.12	1,697.82	8.53	—	0.48	19.83	28.84	1,726.66
	Merah	—	88.44	189.44	773.76	271.71	41.55	29.81	52.49	1,447.20	30.92	709.16	642.58	208.13	1,590.79	3,037.99
	Mengkerong/Conor/Ubi	—	598.18	76.22	453.28	51.78	—	—	24.32	1,203.78	0.18	43.31	27.47	5.61	76.57	1,280.35
	Remong/Kunyit-kunyit	—	—	—	114.87	—	—	—	—	114.87	58.66	564.12	131.64	51.12	805.54	920.41
	Semilang	41.12	217.59	11.61	452.27	94.26	17.74	21.74	84.18	940.51	0.36	—	8.77	22.62	31.75	972.26
	Shrumbu/Lemah ..	—	—	—	0.42	—	—	—	—	0.42	—	1.88	—	2.66	4.54	4.96
	Puntong Damar/Bulus	12.60	106.79	—	156.14	—	—	—	—	275.53	2.29	1,497.64	358.81	108.94	1,967.68	2,243.21
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	20.45	312.02	90.38	422.85	422.85

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT NEGERI DAN JENIS IKAN, 1981—(samb.)
LANDINGS OF MARINE FISH BY STATE AND TYPE OF FISH, 1981—(cont.)

ISCCAAP GROUP NO.	Jenis Ikan Type of Fish	Pantai Barat West Coast								Jumlah kecil Sub-Total	Pantai Timur East Coast				Jumlah kecil Sub-total	Jumlah Besar Ton M. Grand Total M. Tonnes
	Nama Tempatan Local Name	Pertis	Kedah	Pulau Pinang	Parak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johore		Kelantan	Trengganu	Pahang	Johor Timur East Johore		
34	Alu-alu/Kacang-kacang	11.40	313.37	3.53	330.78	235.14	—	10.59	27.83	932.64	100.80	102.24	247.54	216.55	667.13	1,599.77
	Aruan Tasik	—	74.72	—	57.35	—	4.27	—	0.79	137.13	4.10	328.60	748.52	74.28	1,155.50	1,292.63
	Bawal	51.18	1,196.91	292.16	1,067.13	706.04	21.89	46.31	437.14	3,818.76	80.15	1,535.50	70.22	382.07	2,067.94	5,886.70
	Belanak/Kedera ..	—	284.28	1,387.99	2,317.00	120.80	34.06	4.59	36.40	4,185.12	0.06	1.69	—	18.83	20.58	4,205.70
	Cermin/Sagai/Cupak ..	—	—	9.14	5.74	12.47	1.20	9.07	28.43	66.05	48.38	274.53	194.37	324.91	842.19	908.24
	Cencaru	1,251.28	1,067.86	555.25	490.19	306.94	4.37	45.44	24.84	3,746.17	287.70	2,389.00	63.46	247.36	2,987.52	6,733.69
	Demudok/Rambai ..	—	181.38	—	431.63	0.48	1.39	6.65	—	621.53	48.00	738.72	440.00	384.43	1,611.15	2,232.68
	Kurau/Senangin/Senohong	32.17	21.97	56.88	275.69	1,021.84	16.40	68.70	182.75	1,676.40	—	—	77.49	51.01	128.50	1,804.90
	Pelata/Selar	1,384.82	779.81	715.73	145.99	178.75	4.58	11.13	15.36	3,236.17	501.36	7,822.75	1,526.50	1,821.99	11,672.60	14,908.77
	Selar Kuning/Lolong ..	2,165.88	110.21	—	224.32	23.05	—	—	22.69	2,546.15	1,628.82	20,085.70	1,863.52	3,958.40	27,536.44	30,082.59
	Selayang/Curut	5,974.55	32.00	1,972.91	179.98	34.43	—	—	—	8,193.87	1,295.48	11,544.77	491.48	2,596.44	15,928.17	24,122.04
	Pisang-pisang	170.73	—	5.87	—	—	—	—	—	176.60	2.24	490.77	9.98	42.34	545.33	721.93
	Talang	—	245.33	—	141.01	46.77	7.62	17.56	2.47	460.76	—	5.20	74.76	149.25	229.21	689.97
35	Bilis	—	20,612.94	—	6,716.16	—	—	—	27.64	27,356.74	—	4,116.36	1,836.26	147.42	6,100.06	33,456.80
	Parang-parang	310.16	553.80	157.70	415.02	710.09	56.93	453.06	504.25	3,161.01	95.18	924.81	547.97	308.14	1,876.10	5,037.11
	Tamban	2,290.85	955.04	1,654.09	79.85	160.50	—	—	103.34	5,243.67	1,237.07	7,876.82	863.24	2,286.56	12,263.69	17,507.36
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	69.37	—	69.37	69.37
36	Aya/Kayu/Tongkol ..	692.44	448.22	506.58	750.04	234.68	—	—	—	2,631.96	210.63	11,126.36	458.14	3,298.12	15,093.25	17,725.21
	Layaran/Mersuji ..	—	—	—	49.00	—	—	—	—	49.00	0.60	226.79	284.93	112.72	625.04	674.04
37	Kembong/Temenong ..	9,093.12	19,146.65	5,326.98	7,715.38	3,716.19	2.77	20.65	5.51	45,027.25	1,430.32	29,276.83	1,618.76	3,067.44	35,393.35	80,420.60
	Tenggiri	184.51	824.45	314.26	1,260.31	1,211.99	68.84	585.01	701.75	5,151.12	140.37	3,933.99	1,823.05	1,517.17	7,414.58	12,565.70
	Timah/Layor/Selayor ..	57.77	701.39	146.07	593.60	0.48	—	—	29.21	1,528.52	74.94	1,107.19	38.22	58.13	1,278.48	2,807.00
38	Pari	92.61	352.26	36.36	830.50	357.72	26.33	162.67	597.28	2,455.73	5.61	81.02	314.56	119.90	521.09	2,976.82
	Yu	56.33	221.89	18.40	338.19	290.55	10.45	31.28	36.17	1,003.26	4.16	802.73	361.28	492.97	1,661.14	2,664.40
39	Ikan Baja	6,203.81	73,484.54	7,403.58	26,041.20	16,507.74	—	141.58	5,409.61	135,192.06	168.41	8,114.52	4,893.47	6,714.82	19,891.22	155,083.28
	Ikan Campur	61.60	534.22	574.10	1,482.75	—	68.46	261.95	1,036.99	4,020.07	264.36	8,836.77	1,362.07	336.57	10,799.77	14,819.84
	Jebong	—	65.03	—	131.46	—	—	—	3.80	200.29	0.30	13.02	3.81	16.21	33.34	233.63
42	Ketam	237.66	562.29	410.57	1,441.21	251.56	48.03	1.50	44.21	2,997.03	22.02	98.92	345.35	151.03	617.32	3,614.35
45	Udang Karang/Lobok	—	—	—	1.68	—	—	—	—	1.68	2.36	67.82	29.28	23.57	123.03	124.71

Udang Besar	208.45	916.59	537.76	1,652.20	302.29	—	35.11	394.25	4,046.65	61.76	288.92	183.29	351.85	885.82	4,932.47
Udang Sedang	548.54	2,563.47	1,182.55	7,195.17	2,245.28	68.14	46.01	400.78	14,249.94	68.05	257.16	307.51	605.55	1,238.27	15,488.21
Udang Kecil	788.09	4,892.16	2,079.26	12,512.35	4,547.65	—	51.02	2,353.68	27,224.21	122.81	418.39	243.81	1,056.02	1,841.03	29,065.24
Udang Baring	—	102.16	1,042.13	3,407.56	4,270.60	—	133.21	4,311.81	13,267.47	56.56	7,355.48	—	658.08	8,070.12	21,337.59
56 Kerang	68.06	2,249.23	4,335.19	57,461.95	4,289.00	131.39	8.66	314.70	68,858.18	—	—	53.42	—	53.42	68,911.60
Siput/Kepah	—	—	1,255.47	395.53	441.01	—	—	139.26	2,231.27	—	—	—	—	—	2,231.27
57 Sotong Kereta	—	344.71	2.36	—	—	—	—	—	347.07	—	0.12	—	10.41	10.53	357.60
Sotong Katak	140.84	831.52	134.71	405.25	342.17	—	—	92.69	1,947.18	4.17	494.33	278.18	310.65	1,087.33	3,034.51
Sotong Biasa	152.71	4,471.95	390.81	1,110.48	386.01	—	—	168.72	6,680.68	131.74	3,118.69	594.85	1,333.04	5,178.32	11,859.00
76 Ubur-ubur	—	—	—	—	1,323.10	—	—	—	1,323.10	—	—	—	—	—	1,323.10
Jumlah Ton M. Total M. Tonnes	32,891.54	148,028.28	34,125.39	147,288.69	48,035.64	743.83	2,485.47	19,772.42	433,371.26	8,854.43	140,434.19	29,906.72	36,748.45	215,943.79	649,315.05

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY MONTH AND TYPE OF FISH, 1981

ISSAP GROUP NO.	Jenis Ikan Type of Fish						Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name																		
52	<i>Species</i>																		
	24	Kebasi/Selangat	..	..	..	..	152.93	39.13	194.98	86.57	47.17	69.77	51.60	100.98	158.69	85.55	163.02	93.20	1,243.59
		Puput/B. Mata/Tirok	..	..	..	..	89.89	35.09	40.35	36.13	42.05	25.41	41.57	31.33	46.21	35.63	19.30	61.29	504.25
		Terubok	..	..	..	..	—	0.06	—	0.24	—	—	1.21	—	—	10.83	—	—	12.34
	25	Siakap	..	..	..	..	53.16	1.57	7.39	10.77	4.85	4.84	9.63	10.35	7.74	5.56	4.53	6.52	126.91
	31	Lidah	..	..	..	..	244.23	319.91	294.25	300.25	192.37	236.90	146.22	122.81	95.71	136.06	158.38	185.46	2,432.55
		Sebelah	..	..	..	..	15.30	24.93	26.13	31.95	42.12	17.00	21.18	12.63	13.61	17.18	22.33	32.30	276.66
	33	Bayan	..	..	..	..	13.49	11.32	6.83	32.91	42.17	70.18	47.25	27.10	15.90	21.23	34.97	28.32	351.67
		Biji Nangka	..	..	..	..	39.38	28.79	103.58	100.66	116.50	117.15	115.19	156.19	71.86	51.91	32.12	38.81	972.14
		Daun Baharu	..	..	..	..	15.23	5.07	13.32	11.49	8.70	14.94	5.75	2.42	3.50	12.87	4.58	4.72	102.59
		Delah	..	..	..	..	0.30	41.69	24.67	212.00	86.57	125.83	47.31	75.87	129.40	66.18	107.25	26.98	944.05
		Duri/Pulutan/Utik	..	..	..	..	277.33	118.02	311.91	282.64	417.30	440.85	338.58	188.90	316.24	433.29	628.59	240.13	3,993.78
		Dengkis/Debam	..	..	..	..	14.99	15.49	46.27	37.98	27.71	63.95	43.32	51.05	30.06	134.73	54.32	45.98	565.85
		Gelama/Tengkerong	..	..	..	..	567.48	534.48	556.45	596.32	559.46	530.04	499.37	639.86	747.67	457.13	391.78	483.92	6,563.96
		Gerut-gerut	..	..	..	..	173.43	138.41	105.63	142.45	248.70	339.69	123.19	322.94	93.16	102.45	165.21	111.09	2,066.35
		Jenahak	..	..	..	..	126.49	38.39	55.05	66.58	50.75	123.42	64.87	39.15	53.36	43.44	51.97	57.49	770.96
		Kaci	..	..	..	..	103.08	20.94	53.53	99.09	41.87	66.78	92.37	43.07	28.14	27.53	45.18	18.51	640.09
		Kerapu	..	..	..	..	198.60	150.03	243.18	260.74	388.60	597.97	272.84	272.30	312.17	201.88	220.43	180.42	3,299.16
		Kerisi	..	..	..	..	650.58	500.38	664.25	586.56	1,566.74	1,256.01	742.00	899.64	864.84	570.19	658.45	492.58	9,452.22
		Kerisi Bali	..	..	..	..	15.07	25.41	14.09	15.79	24.20	21.29	9.68	6.59	9.80	9.44	3.08	6.39	160.83
		Kikek	..	..	..	..	59.59	98.18	48.08	127.16	60.56	64.17	58.85	35.70	50.86	29.03	54.40	29.41	715.99
		Malong	..	..	..	..	124.02	116.64	119.07	154.93	156.94	110.14	159.72	143.81	149.37	166.54	143.99	181.49	1,726.66
		Merah	..	..	..	..	383.31	183.60	189.77	271.22	211.93	403.89	192.50	187.73	346.52	180.15	251.32	236.05	3,037.99
		Mengkerong/Conor/Ubi	..	..	..	..	132.78	181.25	90.55	113.67	114.33	130.24	99.87	125.34	63.53	61.20	77.26	90.33	1,280.35
		Remong/Kunyit-kunyit	..	..	..	..	22.98	14.51	87.84	64.00	85.79	37.68	114.02	77.51	153.42	125.12	54.67	82.87	920.41
		Semilang	..	..	..	..	74.29	37.75	64.86	44.20	76.52	80.63	94.96	81.05	84.02	85.53	120.54	127.91	972.26
		Shrumbu/Lemah	..	..	..	..	—	—	1.88	—	2.66	—	0.42	—	—	—	—	—	4.96
		Puntong Damar/Bulus	..	..	..	..	51.25	43.80	120.33	53.84	265.40	452.98	325.89	360.44	242.41	183.67	99.89	43.31	2,243.21
		Pasir-pasir	..	..	..	..	33.46	16.21	18.75	11.43	5.56	135.33	46.82	117.60	8.23	24.32	1.81	3.33	422.85

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST, PENINSULAR MALAYSIA

TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1981

LANDINGS OF MARINE FISH BY MONTH AND TYPE OF FISH, 1981

ISSCAP GROUP NO.	Jenis Ikan Type of Fish		Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name														
	Species														
24	Kebasi/Selangat		151.84	29.75	157.95	78.95	45.96	68.86	51.00	100.50	156.32	81.50	159.51	92.90	1,175.04
	Puput/B. Mata/Tirok		83.24	22.20	31.40	29.90	28.62	24.56	40.84	29.46	33.08	31.39	19.18	54.94	428.81
	Terubok		—	0.06	—	0.24	—	—	1.21	—	—	10.83	—	—	12.34
25	Siakap		1.98	1.51	2.43	2.12	2.55	1.63	5.27	4.54	7.74	5.56	4.53	4.04	43.90
31	Lidah		232.07	309.21	276.77	294.02	188.75	235.09	142.17	120.32	94.13	134.11	154.75	175.72	2,357.11
	Sebelah		13.73	8.41	5.68	23.11	30.98	11.98	16.28	7.56	10.17	12.22	15.49	25.53	181.14
33	Bayan		—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka		30.79	17.12	35.22	60.97	63.88	72.32	53.96	21.83	20.87	11.98	5.20	9.90	404.04
	Daun Baharu		8.22	1.69	0.55	0.24	1.39	0.90	0.85	0.85	0.36	0.30	1.75	3.33	20.43
	Delah		0.24	15.00	7.07	13.92	3.63	4.06	2.11	2.06	1.81	21.41	1.75	1.87	74.93
	Duri/Pulutan/Utik		257.54	104.05	215.01	174.11	288.92	396.56	187.65	143.77	148.17	149.99	159.09	223.01	2,447.87
	Dengkis/Debam		2.78	—	—	2.78	—	11.25	—	0.18	0.18	—	—	0.24	17.41
	Gelama/Tengerong		495.58	436.10	413.30	415.19	427.59	422.75	417.35	443.92	484.81	340.43	280.11	451.73	5,028.86
	Gerut-gerut		164.41	127.78	83.30	103.51	153.24	123.36	103.34	105.70	88.45	95.81	89.06	96.46	1,334.42
	Jenahak		123.77	30.90	49.48	64.95	47.97	115.56	62.33	31.16	49.19	40.53	51.97	57.01	724.82
	Kaci		8.35	1.03	9.01	8.05	18.63	11.79	0.24	4.78	7.68	11.61	30.37	12.10	123.64
	Kerapu		116.69	77.80	139.74	185.66	160.11	168.16	114.34	125.83	88.69	105.56	129.81	116.73	1,529.12
	Kerisi		482.15	366.49	430.20	440.60	1,181.79	707.25	379.37	369.27	231.27	248.46	313.91	373.34	5,524.10
	Kerisi Bali		15.07	25.41	8.95	13.37	20.51	19.48	9.50	6.29	8.89	4.72	2.66	5.72	140.57
	Kikek		17.84	26.19	3.63	15.97	31.88	8.46	1.99	6.35	1.39	6.47	1.21	8.71	130.09
	Malong		123.96	115.19	114.17	152.87	156.22	110.14	159.48	143.69	149.37	166.54	143.99	162.20	1,697.82
	Merah		237.59	103.63	79.73	133.04	151.32	199.35	88.92	81.99	75.14	62.37	105.45	128.67	1,447.20
	Mengkerong/Conor/Ubi		128.73	178.10	76.46	108.65	111.91	126.49	91.16	112.16	46.71	58.06	76.23	89.12	1,203.78
	Remong/Kunyit-kunyit		8.83	2.60	3.51	9.32	19.24	12.70	6.47	7.08	2.48	7.38	14.45	20.81	114.87
	Semilang		74.29	37.75	64.86	43.60	72.77	80.63	94.96	72.28	84.02	85.17	120.54	109.64	940.51
	Shrumbu/Lemah		—	—	—	—	—	—	0.42	—	—	—	—	—	0.42
	Puntong Damar/Bulus		23.96	21.12	21.36	20.87	13.01	34.72	23.11	27.77	23.78	19.00	16.16	30.67	275.53
	Pasir-pasir		—	—	—	—	—	—	—	—	—	—	—	—	—

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST PENINSULAR MALAYSIA

TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN, 1981

LANDINGS OF MARINE FISH BY MONTH AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish					Januari January	Februari February	March March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name																	
	<i>Species</i>																	
55	24	Kebasi/Selangat	..	..	..	1.09	9.38	37.03	7.62	1.21	0.91	0.60	0.48	2.37	4.05	3.51	0.30	68.55
		Puput/B. Mata/Tirok	..	..	..	6.65	12.89	8.95	6.23	13.43	0.85	0.73	1.87	13.13	4.24	0.12	6.35	75.44
		Terubok	..	..	..	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	Siakap	..	..	..	51.18	0.06	4.96	8.65	2.30	3.21	4.36	5.81	—	—	—	2.48	83.01
	31	Lidah	..	..	..	12.16	10.70	17.48	6.23	3.62	1.81	4.05	2.49	1.58	1.95	3.63	9.74	75.44
		Sebelah	..	..	..	1.57	16.52	20.45	8.84	11.14	5.02	4.90	5.07	3.44	4.96	6.84	6.77	95.52
	33	Bayan	..	..	..	13.49	11.32	6.83	32.91	42.17	70.18	47.25	27.10	15.90	21.23	34.97	28.32	351.67
		Biji Nangka	..	..	..	8.59	11.67	68.36	39.69	52.62	44.83	61.23	134.36	50.99	39.93	26.92	28.91	568.10
		Daun Baharu	..	..	..	7.01	3.38	12.77	11.25	7.31	14.04	4.90	1.57	3.14	12.57	2.83	1.39	82.16
		Delah	..	..	..	0.06	26.69	17.60	198.08	82.94	121.77	45.20	73.81	127.59	44.77	105.50	25.11	869.12
		Duri/Pulutan/Utik	..	..	..	19.79	13.97	96.90	108.53	128.38	44.29	150.93	45.13	168.07	283.30	469.50	17.12	1,545.91
		Dengkis/Debam	..	..	..	12.21	15.49	46.27	35.20	27.71	52.70	43.32	50.87	29.88	134.73	54.32	45.74	548.44
		Gelama/Tengkerong	..	..	..	71.90	98.38	143.15	181.13	131.87	107.29	82.02	195.94	262.86	116.70	111.67	32.19	1,535.10
		Gerut-gerut	..	..	..	9.02	10.63	22.33	38.94	95.46	216.33	19.85	217.24	4.71	6.64	76.15	14.63	731.93
		Jenahak	..	..	..	2.72	7.49	5.57	1.63	2.78	7.86	2.54	7.99	4.17	2.91	—	0.48	46.14
		Kaci	..	..	..	94.73	19.91	44.52	91.04	23.24	54.99	92.13	38.29	20.46	15.92	14.81	6.41	516.45
		Kerapu	..	..	..	81.91	72.23	103.44	75.08	228.49	429.81	158.50	146.47	223.48	96.32	90.62	63.69	1,770.04
		Kerisi	..	..	..	168.43	133.89	234.05	145.96	384.95	548.76	362.63	530.37	633.57	321.73	344.54	119.24	3,928.12
		Kerisi Bali	..	..	..	—	—	5.14	2.42	3.69	1.81	0.18	0.30	0.91	4.72	0.42	0.67	20.26
		Kikek	..	..	..	41.75	71.99	44.45	111.19	28.68	55.71	56.86	29.35	49.47	22.56	53.19	20.70	585.90
		Malong	..	..	..	0.06	1.45	4.90	2.06	0.72	—	0.24	0.12	—	—	—	19.29	28.84
		Merah	..	..	..	145.72	79.97	110.04	138.18	60.61	204.54	103.58	105.74	271.38	117.78	145.87	107.38	1,590.79
		Mengkerong/Conor/Ubi	..	..	..	4.05	3.15	14.09	5.02	2.42	3.75	8.71	13.18	16.82	3.14	1.03	1.21	76.57
		Remong/Kunyit-kunyit	..	..	..	14.15	11.91	84.33	54.68	66.55	24.98	107.55	70.43	150.94	117.74	40.22	62.06	805.54
		Semilang	..	..	..	—	—	—	0.60	3.75	—	—	8.77	—	0.36	—	18.27	31.75
		Shrumbu/Lemah	..	..	..	—	—	1.88	—	2.66	—	—	—	—	—	—	—	4.54
		Puntong Damar/Bulus	..	..	..	27.29	22.68	98.97	32.97	252.39	418.26	302.78	332.67	218.63	164.67	83.73	12.64	1,967.68
		Pasir-pasir	..	..	..	33.46	16.21	18.75	11.43	5.56	135.33	46.82	117.60	8.23	24.32	1.81	3.33	422.85

34	Alu-alu/Kacang-kacang	25.89	31.64	72.06	83.13	107.56	50.34	72.23	47.13	71.32	69.49	21.47	14.87	667.13
	Aruan Tasik	58.14	10.52	28.19	162.21	138.35	136.02	83.86	180.76	195.82	74.89	59.53	27.21	1,155.50
	Bawal	400.06	175.38	318.87	198.19	173.33	361.76	181.01	111.32	49.25	30.19	50.50	18.08	2,067.94
	Belanak/Kedera	2.78	—	1.03	1.70	—	—	—	—	—	—	—	15.07	20.58
	Cermin/Sagai/Cupak	10.77	146.33	36.80	57.05	61.42	151.53	38.82	56.43	129.45	81.12	41.80	30.67	842.19
	Cencaru	110.59	424.01	299.47	541.24	340.96	509.74	233.75	172.48	105.19	132.12	68.06	49.91	2,987.52
	Demudok/Rambai	63.83	136.43	86.86	178.88	113.60	189.01	85.42	337.25	130.74	228.38	42.18	18.57	1,611.15
	Kurau/Senangin/Senohong	—	5.51	—	7.20	13.91	80.10	0.36	0.30	0.24	2.24	11.86	6.78	128.50
	Pelata/Selar	440.77	534.13	1,278.77	823.04	1,123.12	1,222.04	1,397.05	1,592.09	1,036.59	907.02	677.01	640.97	11,672.60
	Selar Kuning/Lolong	1,476.35	1,426.80	3,088.23	2,398.90	2,538.72	2,327.31	2,646.70	2,602.94	2,954.58	2,789.06	1,918.00	1,368.85	27,536.44
	Selayang/Curut	1,191.66	1,328.60	1,876.27	909.70	902.54	849.85	1,655.29	2,329.83	1,641.51	1,745.44	783.13	714.35	15,928.17
	Pisang-pisang	53.48	53.84	47.07	35.15	16.94	50.94	47.49	36.89	50.76	47.62	52.03	53.12	545.33
	Talang	6.95	38.54	6.96	15.12	30.01	28.25	15.12	4.05	23.35	34.96	25.17	0.73	229.21
35	Bilis	2.18	35.81	852.21	964.67	968.61	380.70	158.93	687.35	1,530.68	508.64	10.28	—	6,100.06
	Parang-parang	142.59	129.60	139.44	183.61	136.84	211.20	164.44	202.01	221.85	142.96	127.47	74.09	1,876.10
	Tamban	146.51	1,281.26	522.32	1,538.06	1,153.31	1,288.87	1,018.70	663.39	1,266.43	1,997.22	781.26	606.36	12,263.69
	Bulan-bulan	4.11	7.20	12.70	1.39	1.27	1.33	—	—	—	26.19	14.76	0.42	69.37
36	Aya/Kayu/Tongkol	434.54	853.12	830.92	2,161.71	1,296.12	1,317.35	1,198.79	1,236.60	1,815.85	2,338.83	1,154.25	455.17	15,093.25
	Layaran/Mersuji	31.51	15.73	38.90	63.15	262.07	20.93	35.34	33.45	29.04	48.16	26.07	20.69	625.04
37	Kembong/Temenong	3,269.51	3,117.77	4,488.07	3,535.59	3,264.32	2,753.48	2,096.67	3,153.12	3,722.50	3,494.55	1,359.77	1,138.00	35,393.35
	Tenggiri	593.94	575.44	507.14	1,046.76	675.32	556.20	752.50	600.06	753.18	699.09	441.45	213.50	7,414.58
	Timah/Layor/Selayor	80.34	76.83	81.61	199.40	120.81	72.28	437.85	57.95	49.06	29.82	28.49	44.04	1,278.48
38	Pari	15.65	23.95	37.87	26.80	39.99	41.49	61.96	56.02	40.96	115.48	44.16	16.76	521.09
	Yu	71.62	83.42	169.93	226.00	131.89	235.32	322.45	123.12	82.94	126.43	68.54	19.48	1,661.14
39	Ikan Baja	1,156.80	1,321.61	2,606.66	969.63	1,341.20	1,125.11	1,537.58	1,888.37	2,463.64	2,465.33	1,744.58	1,270.71	19,891.22
	Ikan Campur	646.06	920.65	1,236.35	1,527.84	725.14	1,191.92	797.47	923.79	1,009.73	776.02	495.51	549.29	10,799.77
	Jebong	1.22	0.66	3.27	0.91	8.04	4.66	8.29	2.85	1.99	0.55	0.84	0.06	33.34
42	Ketam	35.45	21.84	27.40	19.84	33.03	100.18	71.56	123.59	73.82	29.54	60.02	21.05	617.32
45	Udang Karang/Lobok	5.57	8.53	17.36	2.23	5.75	3.08	8.29	4.66	9.19	7.01	16.33	35.03	123.03
	Udang Besar	92.62	87.48	104.53	68.30	43.31	62.00	53.12	45.20	35.57	54.87	66.83	171.99	885.82
	Udang Sedang	113.55	108.46	132.17	88.44	92.07	68.54	66.85	107.44	54.69	88.74	144.29	173.03	1,238.27
	Udang Kecil	158.01	204.06	196.38	148.34	126.68	123.83	110.78	76.64	68.30	159.22	213.32	255.47	1,841.03
	Udang Baring	362.61	762.85	2,210.71	3,093.47	1,145.07	5.87	—	94.98	53.78	119.24	175.08	46.46	8,070.12
56	Kerang	—	—	—	—	—	—	—	—	4.84	25.77	1.63	21.18	53.42
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong Kereta	—	—	4.54	—	—	—	0.06	0.06	2.72	0.49	2.66	—	10.53
	Sotong Katak	65.34	78.22	167.45	124.08	73.50	104.78	155.13	95.40	83.36	58.02	45.93	36.12	1,087.33
	Sotong Biasa	23.59	36.60	454.52	412.11	503.37	610.40	1,035.62	1,151.77	686.71	142.95	114.69	5.99	5,178.32
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah Ton M./Total Tonnes ..		12,123.58	14,744.78	23,256.24	23,169.40	19,374.82	18,805.44	18,261.34	20,962.31	22,731.35	21,164.89	12,561.15	8,788.49	215,943.79

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
 LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish	Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps										Memungut Siput Shellfish Collection	Rampaihan Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets						
Species																			
24	Kebasi/Selangat	501.23	22.74	—	9.44	675.33	—	1.87	27.23	0.06	5.45	0.24	—	—	—	1,243.59			
	Puput/B. Mata/Tirok .. .	383.70	0.48	—	—	118.13	—	—	—	—	1.94	—	—	—	—	504.25			
	Terubok	1.51	—	—	—	10.83	—	—	—	—	—	—	—	—	—	12.34			
25	Siakap	1.08	—	—	—	52.04	—	—	13.56	59.56	—	0.67	—	—	—	126.91			
31	Lidah	2,409.33	—	—	0.06	18.74	—	—	—	—	0.73	3.69	—	—	—	2,432.55			
	Sebelah	260.71	—	—	0.54	11.11	0.78	—	—	—	1.09	2.43	—	—	—	276.66			
33	Bayan	2.67	—	—	—	4.53	—	7.99	336.48	—	—	—	—	—	—	351.67			
	Biji Nangka	805.12	—	—	9.61	12.77	1.38	—	141.52	0.24	—	1.50	—	—	—	972.14			
	Daun Baharu	50.41	—	—	—	6.88	0.54	—	44.76	—	—	—	—	—	—	102.59			
	Delah	29.03	—	—	173.87	68.07	—	0.24	585.66	74.17	—	0.97	—	—	12.04	944.05			
	Duri/Pulutan/Utik .. .	694.45	413.60	—	40.43	1,269.46	54.04	12.57	18.38	1,316.39	89.15	85.31	—	—	—	3,993.78			
	Dengkis/Debam	111.60	—	—	—	17.84	9.49	—	402.73	20.20	1.39	2.60	—	—	—	565.85			
	Gelama/Tengkerong .. .	4,631.24	28.25	5.75	171.76	778.69	78.02	57.03	28.72	463.23	81.19	240.08	—	—	—	6,563.96			
	Gerut-gerut	412.34	—	—	4.05	105.85	5.74	8.46	211.80	1,318.05	—	0.06	—	—	—	2,066.35			
	Jenahak	240.56	—	—	10.70	8.22	—	0.96	162.30	348.22	—	—	—	—	—	770.96			
	Kaci	97.57	—	—	2.18	17.37	1.09	—	354.55	167.33	—	—	—	—	—	640.09			
	Kerapu	785.52	—	—	0.30	84.64	15.66	6.78	889.95	1,506.21	9.38	0.72	—	—	—	3,299.16			
	Kerisi	7,209.65	—	—	2.83	80.15	17.83	—	446.73	1,692.06	—	2.97	—	—	—	9,452.22			
	Kerisi Bali	56.31	—	—	—	—	—	—	90.49	14.03	—	—	—	—	—	160.83			
	Kikek	418.28	109.86	23.53	1.26	63.55	13.80	9.98	45.08	8.45	21.72	0.48	—	—	—	715.99			
	Malong	1,090.86	—	—	6.78	251.20	9.80	28.24	—	339.36	—	0.42	—	—	—	1,726.66			
	Merah	683.88	—	—	—	4.46	0.12	1.57	1,251.42	1,096.54	—	—	—	—	—	3,037.99			
	Mengkerong/Conor/Ubi ..	1,258.11	—	—	—	18.07	—	—	0.18	3.57	0.42	—	—	—	—	1,280.35			
	Remong/Kunyit-kunyit ..	204.41	0.36	—	4.70	23.83	0.96	—	613.01	72.00	—	1.14	—	—	—	920.41			
	Semiliang	240.37	—	—	30.77	95.69	—	60.61	46.52	336.22	11.06	150.96	—	—	0.06	972.26			
	Shrumbu/Lemah	2.30	—	—	—	—	—	—	—	—	2.66	—	—	—	—	4.96			
	Puntong Damar/Bulus .. .	544.76	—	—	9.75	1,467.16	2.48	—	78.94	140.12	—	—	—	—	—	2,243.21			
	Pasir-pasir	110.75	—	—	2.42	120.08	—	—	68.12	121.48	—	—	—	—	—	422.85			

34	Alu-alu/Kacang-kacang	894.68	96.35	—	2.85	212.11	0.18	15.29	15.29	353.46	—	9.56	—	—	—	—	1,599.77
	Aruan Tasik	87.74	10.15	—	—	262.19	0.91	1.63	220.00	710.01	—	—	—	—	—	—	1,292.63
	Bawal	1,599.16	1,217.91	—	1.44	1,892.09	1,100.71	13.66	11.02	31.70	13.61	5.40	—	—	—	—	5,886.70
	Belanak/Kedera	525.21	882.33	—	31.81	2,717.56	—	1.32	—	12.03	15.07	20.37	—	—	—	—	4,205.70
	Cermin/Sagai/Cupak	161.33	76.28	—	0.60	189.07	56.02	14.15	211.07	196.10	0.36	3.26	—	—	—	—	908.24
	Cencaru	1,010.17	3,489.62	—	1.22	1,663.76	384.29	13.22	1.51	169.60	—	0.30	—	—	—	—	6,733.69
	Demudok/Rambai	596.36	235.88	—	4.60	266.97	34.83	23.93	348.72	720.06	1.15	0.18	—	—	—	—	2,232.68
	Kurau/Senangin/Senohong ..	197.58	—	—	—	1,320.64	25.82	4.53	7.75	204.47	36.12	7.99	—	—	—	—	1,804.90
	Pelata/Selar	605.25	7,681.36	35.82	5.20	2,688.16	1,568.22	74.13	6.40	2,205.26	35.46	3.51	—	—	—	—	14,908.77
	Selar Kuning/Lolong	2,575.33	11,205.76	—	10.15	124.74	16,020.17	128.65	—	17.79	—	—	—	—	—	—	30,082.59
	Selayang/Curut	229.11	20,079.30	—	2.60	1,291.41	1,858.35	—	—	661.27	—	—	—	—	—	—	24,122.04
	Pisang-pisang	46.95	186.76	—	—	157.86	1.75	31.94	2.54	294.13	—	—	—	—	—	—	721.93
	Taiang	159.85	10.95	2.18	1.15	259.99	0.96	88.45	—	166.44	—	—	—	—	—	—	689.97
35	Billis	75.18	7.74	32,805.22	21.54	—	—	471.80	—	—	75.32	—	—	—	—	—	33,456.80
	Parang-parang	1,193.25	18.22	—	5.51	3,732.81	45.17	21.89	—	14.21	3.02	3.03	—	—	—	—	5,037.11
	Tamban	1,104.38	13,719.94	1,145.88	—	675.37	455.28	289.88	—	43.14	65.93	7.56	—	—	—	—	17,507.36
	Bulan-bulan	69.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69.37
36	Aya/Kayu/Tongkol	11.80	2,956.63	114.80	8.79	6,264.29	33.95	—	—	8,334.95	—	—	—	—	—	—	17,725.21
	Layaran/Mersuji	49.12	1.69	—	—	162.24	—	—	—	460.99	—	—	—	—	—	—	674.04
37	Kembong/Temenong	14,051.61	54,403.80	—	1.35	11,010.91	208.29	386.27	—	358.37	—	—	—	—	—	—	80,420.60
	Tenggiri	823.44	296.13	—	3.69	7,630.04	18.75	56.17	125.54	3,608.61	—	3.33	—	—	—	—	12,565.70
	Timah/Layar/Selayor	1,597.20	408.29	0.42	0.72	747.57	13.97	5.51	—	1.14	31.94	0.24	—	—	—	—	2,807.00
38	Pari	1,546.50	—	—	0.54	326.29	20.80	2.70	46.57	969.29	3.21	60.92	—	—	—	—	2,976.82
	Yu	707.15	48.83	6.22	0.12	1,133.46	21.46	1.68	2.29	682.46	—	60.73	—	—	—	—	2,664.40
39	Ikan Baja	140,110.06	1,571.86	248.09	6,269.96	2,493.63	—	1,104.79	264.13	29.89	2,489.78	50.21	450.88	—	—	—	155,083.28
	Ikan Campur	2,200.77	4,982.69	557.68	187.54	3,448.69	1,067.06	142.42	875.26	1,153.43	121.31	21.53	61.46	—	—	—	14,819.84
	Jebong	209.37	—	—	—	4.90	—	—	18.15	1.21	—	—	—	—	—	—	233.63
42	Ketam	1,375.51	—	—	51.04	1,404.64	11.49	—	93.41	—	39.94	43.69	—	—	—	594.63	3,614.35
45	Udang Karang/Lobok	114.24	—	—	—	3.75	—	—	6.36	—	0.36	—	—	—	—	—	124.71
	Udang Besar	1,705.85	—	—	212.45	2,831.58	—	3.31	—	—	114.72	26.85	29.62	—	—	8.09	4,932.47
	Udang Sedang	7,145.74	—	—	3,582.02	3,110.05	—	46.49	—	—	873.34	21.23	701.30	—	—	8.04	15,488.21
	Udang Kecil	15,638.83	—	—	7,176.19	1,480.73	—	136.25	—	—	3,100.90	100.94	1,430.01	—	—	1.39	29,065.24
	Udang Baring	—	—	—	7,528.87	35.45	—	2,397.64	—	—	10,386.05	7.08	982.50	—	—	—	21,337.59
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	68,911.60	—	68,911.60
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	2,231.27	—	2,231.27
57	Sotong Kereta	357.42	—	—	—	—	—	0.18	—	—	—	—	—	—	—	—	357.60
	Sotong Katak	2,591.46	—	—	—	2.95	0.36	34.95	395.60	—	9.19	—	—	—	—	—	3,034.51
	Sotong Biasa	8,658.36	153.26	—	1.88	22.08	2.34	88.05	8.05	—	26.98	—	—	—	—	2,898.00	11,859.00
76	Ubur-ubur	1,008.47	—	—	—	—	—	6.05	—	—	308.58	—	—	—	—	—	1,323.10

[illegible]

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST, PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish		Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps								Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Net	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	
	<i>Species</i>															
24	Kebasi/Selangat	467.89	22.74	—	9.20	673.34	—	1.87	—	—	—	—	—	—	—	1,175.04
	Puput/B. Mata/Tirok	334.22	0.48	—	—	94.11	—	—	—	—	—	—	—	—	—	428.81
	Terubok	1.51	—	—	—	10.83	—	—	—	—	—	—	—	—	—	12.34
25	Siakap	1.02	—	—	—	28.80	—	—	5.15	8.26	—	0.67	—	—	—	43.90
31	Lidah	2,335.34	—	—	—	18.08	—	—	—	—	—	3.69	—	—	—	2,357.11
	Sebelah	169.95	—	—	—	8.76	—	—	—	—	—	2.43	—	—	—	181.14
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	404.04	—	—	—	—	—	—	—	—	—	—	—	—	—	404.04
	Daun Baharu	19.59	—	—	—	0.84	—	—	—	—	—	—	—	—	—	20.43
	Delah	28.97	—	—	—	—	—	0.24	19.89	24.86	—	0.97	—	—	—	74.93
	Duri/Pulutan/Utik	519.66	—	—	38.67	755.14	51.92	8.34	12.04	900.28	76.75	85.07	—	—	—	2,447.87
	Dengkis/Debam	11.13	—	—	—	—	—	—	3.68	—	—	2.60	—	—	—	17.41
	Gelama/Tengkerong	3,939.29	—	—	154.98	478.36	47.92	56.67	5.14	84.34	25.28	236.88	—	—	—	5,028.86
	Gerut-gerut	385.56	—	—	3.63	45.55	3.87	8.46	75.88	811.47	—	—	—	—	—	1,334.42
	Jenahak	219.75	—	—	10.70	3.92	—	0.96	151.78	337.71	—	—	—	—	—	724.82
	Kaci	60.80	—	—	—	1.15	—	—	61.69	—	—	—	—	—	—	123.64
	Kerapu	709.72	—	—	—	4.23	—	6.54	374.96	433.55	—	0.12	—	—	—	1,529.12
	Kerisi	5,466.25	—	—	—	0.36	—	—	28.02	29.47	—	—	—	—	—	5,524.10
	Kerisi Bali	36.05	—	—	—	—	—	—	90.49	14.03	—	—	—	—	—	140.57
	Kikek	115.57	—	—	—	8.23	—	2.05	4.24	—	—	—	—	—	—	130.09
	Malong	1,089.36	—	—	—	243.10	9.80	28.24	—	327.08	—	0.24	—	—	—	1,697.82
	Merah	506.64	—	—	—	0.72	—	0.42	496.06	443.36	—	—	—	—	—	1,447.20
	Mengkerong/Conor/Ubi	1,182.14	—	—	—	18.07	—	—	—	3.57	—	—	—	—	—	1,203.78
	Remong/Kunyit-kunyit	59.04	—	—	—	—	—	—	8.17	47.66	—	—	—	—	—	114.87
	Semilang	231.24	—	—	30.77	94.18	—	60.61	46.52	324.30	1.87	150.96	—	—	0.06	940.51
	Shrumbu/Lemah	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42
	Puntong Damar/Bulus	139.58	—	—	—	1.70	—	—	—	134.25	—	—	—	—	—	275.53
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

34	Alu-alu/Kacang-kacang	637.60	0.24	—	—	120.74	—	8.04	4.23	152.23	—	9.56	—	—	—	932.64
	Aruan Tasik	83.44	0.84	—	—	47.25	—	—	0.48	5.12	—	—	—	—	—	137.13
	Bawal	1,516.01	453.96	—	—	1,426.85	363.33	12.69	11.02	31.46	3.44	—	—	—	—	3,818.76
	Belanak/Kedera	525.21	882.33	—	31.75	2,712.11	—	1.32	—	12.03	—	20.37	—	—	—	4,185.12
	Cermin/Sagai/Cupak	36.90	—	—	—	29.15	—	—	—	—	—	—	—	—	—	66.05
	Cencaru	1,008.97	2,274.41	—	—	390.78	13.61	13.22	45.18	—	—	—	—	—	—	3,746.17
	Demudok/Rambai	573.20	4.36	—	—	8.04	—	13.31	5.26	17.36	—	—	—	—	—	621.53
	Kurau/Senangin/Senohong ..	196.74	—	—	—	1,234.30	25.82	4.53	7.75	199.27	—	7.99	—	—	—	1,676.40
	Pelata/Selar	517.31	2,563.52	—	—	123.65	—	8.78	—	15.23	6.41	1.27	—	—	—	3,236.17
	Selar Kuning/Lolong	365.18	2,166.12	—	—	10.34	—	4.51	—	—	—	—	—	—	—	2,546.15
	Selayang/Curut	223.49	7,970.38	—	—	—	—	—	—	—	—	—	—	—	—	8,193.87
	Pisang-pisang	—	176.60	—	—	—	—	—	—	—	—	—	—	—	—	176.60
	Talang	156.60	0.24	—	—	96.71	—	88.45	—	118.76	—	—	—	—	—	460.76
35	Bilis	52.01	—	26,969.29	—	—	—	335.44	—	—	—	—	—	—	—	27,356.74
	Parang-parang	1,082.77	—	—	—	2,037.07	26.30	14.87	—	—	—	—	—	—	—	3,161.01
	Tamban	1,086.91	3,972.40	—	—	17.11	—	159.69	—	—	—	7.56	—	—	—	5,243.67
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	11.56	1,683.26	58.08	—	850.99	13.56	—	—	14.51	—	—	—	—	—	2,631.96
	Layaran/Mersuji	49.00	—	—	—	—	—	—	—	—	—	—	—	—	—	49.00
37	Kembong/Temenong	14,013.80	27,235.75	—	—	3374.69	13.97	386.27	—	2.77	—	—	—	—	—	45,027.25
	Tenggiri	782.86	0.18	—	—	4,061.70	12.71	56.17	—	237.50	—	—	—	—	—	5,151.12
	Timah/Layor/Selayor	1,470.64	—	—	—	50.07	—	4.61	—	0.30	2.90	—	—	—	—	1,528.52
38	Pari	1,161.29	—	—	—	246.10	20.80	2.70	44.16	919.76	—	60.92	—	—	—	2,455.73
	Yu	549.93	—	—	—	44.17	12.38	1.68	—	334.37	—	60.73	—	—	—	1,003.26
39	Ikan Baja	120,956.33	1,522.19	—	6,269.96	2,481.35	—	1,073.94	264.13	29.89	2,093.18	50.21	450.88	—	—	135,192.06
	Ikan Campur	1,339.36	38.48	—	123.46	1,891.39	36.59	75.58	87.81	320.40	27.71	17.83	61.46	—	—	4,020.07
	Jebong	189.03	—	—	—	4.60	—	—	5.75	0.91	—	—	—	—	—	200.29
42	Ketam	1,009.07	—	—	50.38	1,262.96	11.49	—	4.84	—	19.97	43.69	—	—	594.63	2,997.03
45	Udang Karang/Lobok	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68
	Udang Besar	1,184.56	—	—	212.33	2,546.87	—	3.31	—	—	35.02	26.85	29.62	—	8.09	4,046.65
	Udang Sedang	6,481.99	—	—	3,582.02	2,798.63	—	46.49	—	—	610.24	21.23	701.30	—	8.04	14,249.94
	Udang Kecil	14,338.44	—	—	7,175.71	1,216.24	—	134.50	—	—	2,826.98	100.94	1,430.01	—	1.39	27,224.21
	Udang Baring	—	—	—	118.34	33.94	—	2,397.64	—	—	9,727.97	7.08	982.50	—	—	13,267.47
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	68,858.18	—	68,858.18
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	2,231.27	—	2,231.27
57	Sotong Kereta	346.89	—	—	—	—	—	0.18	—	—	—	—	—	—	—	347.07
	Sotong Katak	1,920.60	—	—	—	1.92	—	24.66	—	—	—	—	—	—	—	1,947.18
	Sotong Biasa	6,621.70	—	—	1.88	18.38	—	37.21	—	—	1.51	—	—	—	—	6,680.68
76	Ubur-ubur	1,008.47	—	—	—	—	—	6.05	—	—	308.58	—	—	—	—	1,323.10

Jumlah Ton M.
Total M. Tonnes

199,934.27 50,968.48 27,027.37 17,813.78 31,627.57 664.07 5,090.24 1,819.14 6,381.24 15,767.81 919.86 3,655.77 71,089.45 612.21 433,371.26

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST, PENINSULAR MALAYSIA
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
 LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO	Jenis Ikan Type of Fish		Pukat Tunda Trawl Net	Pukat-pukat Tarik/Seine Nets				Pukat Tangguk Lift Nets	Perangkap-perangkap Traps								Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Jerut Ikan Purse Seine Fish		Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Belat- belat Stationary	Bubu Portable		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampai-an Miscel- laneous			
Species																	
24	Kebasi/Selangat	33.34	—	—	0.24	1.99	—	—	27.23	0.06	5.45	0.24	—	—	—	—	68.55
	Puput/B. Mata/Tirok .. .	49.48	—	—	—	24.02	—	—	—	—	1.94	—	—	—	—	—	75.44
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	0.06	—	—	—	23.24	—	—	8.41	51.30	—	—	—	—	—	—	83.01
31	Lidah	73.99	—	—	0.06	0.66	—	—	—	—	0.73	—	—	—	—	—	75.44
	Sebelah	90.76	—	—	0.54	2.35	0.78	—	—	—	1.09	—	—	—	—	—	95.52
33	Bayan	2.67	—	—	—	4.53	—	7.99	336.48	—	—	—	—	—	—	—	351.67
	Biji Nangka	401.08	—	—	9.61	12.77	1.38	—	141.52	0.24	—	1.50	—	—	—	—	568.10
	Daun Baharu	30.82	—	—	—	6.04	0.54	—	44.76	—	—	—	—	—	—	—	82.16
	Delah	0.06	—	—	173.87	68.07	—	—	565.77	49.31	—	—	—	—	—	12.04	869.12
	Duri/Pulutan/Utik .. .	174.79	413.60	—	1.76	514.32	2.12	4.23	6.34	416.11	12.40	0.24	—	—	—	—	1,545.91
	Dengkis/Debam	100.47	—	—	—	17.84	9.49	—	399.05	20.20	1.39	—	—	—	—	—	548.44
	Gelama/Tengerong .. .	691.95	28.25	5.75	16.78	300.33	30.10	0.36	23.58	378.89	55.91	3.20	—	—	—	—	1,535.10
	Gerut-gerut	26.78	—	—	0.42	60.30	1.87	—	135.92	506.58	—	0.06	—	—	—	—	731.93
	Jenahak	20.81	—	—	—	4.30	—	—	10.52	10.51	—	—	—	—	—	—	46.14
	Kaci	36.77	—	—	2.18	16.22	1.09	—	292.86	167.33	—	—	—	—	—	—	516.45
	Kerapu	75.80	—	—	0.30	80.41	15.66	0.24	514.99	1,072.66	9.38	0.60	—	—	—	—	1,770.04
	Kerisi	1,743.40	—	—	2.83	79.79	17.83	—	418.71	1,662.59	—	2.97	—	—	—	—	3,928.12
	Kerisi Bali	20.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.26
	Kikek	302.71	109.86	23.53	1.26	55.32	13.80	7.93	40.84	8.45	21.72	0.48	—	—	—	—	585.90
	Malong	1.50	—	—	6.78	8.10	—	—	—	12.28	—	0.18	—	—	—	—	28.84
	Merah	177.24	—	—	—	3.74	0.12	1.15	755.36	653.18	—	—	—	—	—	—	1,590.79
	Mengkerong/Conor/Ubi ..	75.97	—	—	—	—	—	—	—	0.18	—	0.42	—	—	—	—	76.57
	Remong/Kunyit-kunyit ..	145.37	0.36	—	4.70	23.83	0.96	—	604.84	24.34	—	1.14	—	—	—	—	805.54
Semilang	9.13	—	—	—	1.51	—	—	—	—	11.92	9.19	—	—	—	—	31.75	
Shrumbu/Lemah	1.88	—	—	—	—	—	—	—	—	—	2.66	—	—	—	—	4.54	
Puntong Damar/Bulus ..	405.18	—	—	9.75	1,465.46	2.48	—	78.94	5.87	—	—	—	—	—	—	1,967.68	
Pasir-pasir	110.75	—	—	2.42	120.08	—	—	68.12	121.48	—	—	—	—	—	—	422.85	

34	Alu-alu/Kacang-kacang	257.08	96.11	—	2.85	91.37	0.18	7.25	11.06	201.23	—	—	—	—	—	667.13	
	Aruan Tasik	4.30	9.31	—	—	214.94	0.91	1.63	219.52	704.89	—	—	—	—	—	1,155.50	
	Bawal	83.15	763.95	—	1.44	465.24	737.38	0.97	—	0.24	10.17	5.40	—	—	—	2,067.94	
	Belanak/Kedera	—	—	—	0.06	5.45	—	—	—	—	15.07	—	—	—	—	20.58	
	Cermin/Sagai/Cupak	124.43	76.28	—	0.60	159.92	56.02	14.15	211.07	196.10	0.36	3.26	—	—	—	842.19	
	Cencaru	1.20	1,215.21	—	1.22	1,272.98	370.68	—	1.51	124.42	—	0.30	—	—	—	2,987.52	
	Demudok/Rambai	23.16	231.52	—	4.60	258.93	34.83	10.62	343.46	702.70	1.15	0.18	—	—	—	1,611.15	
	Kurau/Senangin/Senohong ..	0.84	—	—	—	86.34	—	—	—	5.20	36.12	—	—	—	—	128.50	
	Pelata/Selar	87.94	5,117.84	35.82	5.20	2,564.51	1,568.22	65.35	6.40	2,190.03	29.05	2.24	—	—	—	11,672.60	
	Selar Kuning/Lolong	2,210.15	9,039.64	—	10.15	114.40	16,020.17	124.14	—	17.79	—	—	—	—	—	27,536.44	
	Selayang/Curut	5.62	12,108.92	—	2.60	1,291.41	1,858.35	—	—	661.27	—	—	—	—	—	15,928.17	
	Pisang-pisang	46.95	10.16	—	—	157.86	1.75	31.94	2.54	294.13	—	—	—	—	—	545.33	
	Talang	3.25	10.71	2.18	1.15	163.28	0.96	—	—	47.68	—	—	—	—	—	229.21	
	35	Bilis	23.17	7.74	5,835.93	21.54	—	—	136.36	—	—	75.32	—	—	—	—	6,100.06
		Parang-parang	110.48	18.22	—	5.51	1,695.74	18.87	7.02	—	14.21	3.02	3.03	—	—	—	1,876.10
		Tamban	17.47	9,747.54	1,145.88	—	658.26	455.28	130.19	—	43.14	65.93	—	—	—	—	12,263.69
Bulan-bulan		69.37	—	—	—	—	—	—	—	—	—	—	—	—	—	69.37	
36	Aya/Kayu/Tongkol	0.24	1,273.37	56.72	8.79	5,413.30	20.39	—	—	8,320.44	—	—	—	—	—	15,093.25	
	Layaran/Mersuji	0.12	1.69	—	—	162.24	—	—	—	460.99	—	—	—	—	—	625.04	
37	Kembong/Temenong	37.81	27,168.05	—	1.35	7,636.22	194.32	—	—	355.60	—	—	—	—	—	35,393.35	
	Tenggiri	40.58	295.95	—	3.69	3,568.34	6.04	—	125.54	3,371.11	—	3.33	—	—	—	7,414.58	
	Timah/Layor/Selayor	126.56	408.29	0.42	0.72	697.50	13.97	0.90	—	0.84	29.04	0.24	—	—	—	1,278.48	
38	Pari	385.21	—	—	0.54	80.19	—	—	2.41	49.53	3.21	—	—	—	—	521.09	
	Yu	157.22	48.83	6.22	0.12	1,089.29	9.08	—	2.29	348.09	—	—	—	—	—	1,661.14	
39	Ikan Baja	19,153.73	49.67	248.09	—	12.28	—	30.85	—	—	396.60	—	—	—	—	19,891.22	
	Ikan Campur	861.41	4,944.21	557.68	64.08	1,557.30	1,030.47	66.84	787.45	833.03	93.60	3.70	—	—	—	10,799.77	
	Jebong	20.34	—	—	—	0.30	—	—	12.40	0.30	—	—	—	—	—	33.34	
	42	Ketam	366.44	—	—	0.66	141.68	—	—	88.57	—	19.97	—	—	—	—	617.32
45		Udang Karang/Lobok	112.56	—	—	—	3.75	—	—	6.36	—	0.36	—	—	—	—	123.03
	Udang Besar	521.29	—	—	0.12	284.71	—	—	—	—	79.70	—	—	—	—	885.82	
	Udang Sedang	663.75	—	—	—	311.42	—	—	—	—	263.10	—	—	—	—	1,238.27	
	Udang Kecil	1,300.39	—	—	0.48	264.49	—	1.75	—	—	273.92	—	—	—	—	1,841.03	
	Udang Baring	—	—	—	7,410.53	1.51	—	—	—	—	658.08	—	—	—	—	8,070.12	
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	53.42	—	53.42	
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
57	Sotong Kereta	10.53	—	—	—	—	—	—	—	—	—	—	—	—	—	10.53	
	Sotong Katak	670.86	—	—	—	1.03	0.36	10.29	395.60	—	9.19	—	—	—	—	1,087.33	
	Sotong Biasa	2,036.66	153.26	—	—	3.70	2.34	50.84	8.05	—	25.47	—	—	—	2,898.00	5,178.32	
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

[illegible]

PERLIS

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
 LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish		Pukat-pukat Tarik/Seine Nets				Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampai-an Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Net	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable						
	<i>Species</i>														
24	Kebasi/Selangat	—	—	—	—	26.07	—	—	—	—	—	—	—	—	26.07
	Puput/B. Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	Lidah	183.97	—	—	—	—	—	—	—	—	—	—	—	—	183.97
	Sebelah	7.75	—	—	—	—	—	—	—	—	—	—	—	—	7.75
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	—	—	—	—	—	—	23.43	—	—	—	23.43
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	144.46	—	—	—	—	—	—	—	—	—	—	—	—	144.46
	Gerut-gerut	24.74	—	—	—	—	—	—	6.18	48.46	—	—	—	—	79.38
	Jenahak	—	—	—	—	—	—	—	7.22	11.39	—	—	—	—	18.61
	Kaci	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	33.81	—	—	—	—	—	—	5.23	7.69	—	—	—	—	46.73
	Kerisi	32.30	—	—	—	—	—	—	—	—	—	—	—	—	32.30
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Malong	45.56	—	—	—	—	—	—	—	—	—	—	—	—	45.56
	Merah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mengkerong/Conor/Ubi	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—	—	—	—	41.12	—	—	—	41.12
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	12.60	—	—	—	—	—	—	—	—	—	—	—	—	12.60
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—

KEDAH

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
 LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish	Pukat Tunda Trawl Net	Pukat-pukat Tarik/Seine Nets				Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-perangkap Traps			Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Belat- belat Stationary			Bubu Portable	Pancing Hooks and Lines							
	<i>Species</i>																
24	Kebasi/Selangat	218.87	—	—	—	19.31	—	0.36	—	—	—	—	—	—	—	—	238.54
	Puput/B. Mata/Tirok	89.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	89.58
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30
31	Lidah	1,371.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,371.92
	Sebelah	110.05	—	—	—	0.24	—	—	—	—	—	—	—	—	—	—	110.29
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	3.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.69
	Daun Baharu	4.24	—	—	—	0.84	—	—	—	—	—	—	—	—	—	—	5.08
	Delah	1.64	—	—	—	—	—	0.24	19.89	—	—	0.97	—	—	—	—	22.74
	Duri/Pulutan/Utik	307.17	—	—	—	1.68	—	0.90	—	16.99	—	10.17	—	—	—	—	336.91
	Dengkis/Debam	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18
	Gelama/Tengkerong	1,781.03	—	—	—	26.44	—	6.10	2.42	30.06	—	1.33	—	—	—	—	1,847.38
	Gerut-gerut	191.66	—	—	—	1.57	—	4.05	8.17	16.06	—	—	—	—	—	—	221.51
	Jenahak	86.95	—	—	—	1.69	—	0.66	7.25	6.46	—	—	—	—	—	—	103.01
	Kaci	25.17	—	—	—	1.15	—	—	2.18	—	—	—	—	—	—	—	28.50
	Kerapu	345.50	—	—	—	1.93	—	6.54	8.64	15.31	—	—	—	—	—	—	377.92
	Kerisi	2,606.64	—	—	—	0.36	—	—	—	—	—	—	—	—	—	—	2,607.00
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	2.95	—	—	—	—	—	0.42	—	—	—	—	—	—	—	—	3.37
	Malong	498.86	—	—	—	3.27	—	3.32	—	1.56	—	—	—	—	—	—	507.01
	Merah	87.30	—	—	—	0.72	—	0.42	—	—	—	—	—	—	—	—	88.44
	Mengkerong/Conor/Ubi	597.70	—	—	—	0.48	—	—	—	—	—	—	—	—	—	—	598.18
	Remong/Kunyit-kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	175.78	—	—	—	2.54	—	—	—	10.18	—	29.09	—	—	—	—	217.59
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	82.95	—	—	—	0.73	—	—	—	23.11	—	—	—	—	—	—	106.79
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Jumlah Ton M.
Total M. Tonnes

PULAU PINANG

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

[illegible]

Jumlah Ton M.	..	4,984.08	11,897.84	—	2,890.42	5,303.20	—	—	365.26	147.02	2,175.04	—	769.27	5,590.66	2.60	34,125.39
<i>Total M. Tonnes</i>																

PERAK

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981

LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISCAAP GROUP NO.	Jenis Ikan Type of Fish	Nama Tempatan Local Name	Pukat Tunda Trawl Nets	Pukat-pukat Tarik/Seine Nets			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-perangkap Traps			Pukat Bekul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah Ton M: Total M. Tonnes
				Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines			Belat- belat Stationary	Bubu Portable	Pancing Hooks and Lines						
	Species																
24	Kebasi/Selangat	.. .. .	204.36	—	—	—	267.09	—	—	—	—	—	—	—	—	—	471.45
	Puput/B. Mata/Tirok	.. .. .	104.85	0.48	—	—	26.07	—	—	—	—	—	—	—	—	—	131.40
	Terubok	.. .. .	1.27	—	—	—	10.83	—	—	—	—	—	—	—	—	—	12.10
25	Siakap	.. .. .	0.30	—	—	—	20.50	—	—	—	—	—	—	—	—	—	20.80
31	Lidah	.. .. .	58.77	—	—	—	13.85	—	—	—	—	—	—	—	—	—	72.62
	Sebelah	.. .. .	39.58	—	—	—	8.52	—	—	—	—	—	—	—	—	—	48.10
33	Bayan	.. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	.. .. .	302.29	—	—	—	—	—	—	—	—	—	—	—	—	—	302.29
	Daun Baharu	.. .. .	5.26	—	—	—	—	—	—	—	—	—	—	—	—	—	5.26
	Delah	.. .. .	27.33	—	—	—	—	—	—	—	24.86	—	—	—	—	—	52.19
	Duri/Pulutan/Utik	.. .. .	83.29	—	—	—	252.62	—	—	12.04	582.42	—	—	—	—	—	930.37
	Dengkis/Debam	.. .. .	10.95	—	—	—	—	—	—	—	—	—	—	—	—	—	10.95
	Gelama/Tengkerong	.. .. .	685.29	—	—	94.61	105.20	—	—	2.72	—	—	—	—	—	—	887.82
	Gerut-gerut	.. .. .	101.16	—	—	—	—	—	—	45.98	365.20	—	—	—	—	—	512.34
	Jenahak	.. .. .	64.30	—	—	—	—	—	—	56.93	199.03	—	—	—	—	—	320.26
	Kaci	.. .. .	35.63	—	—	—	—	—	—	52.20	—	—	—	—	—	—	87.83
	Kerapu	.. .. .	235.93	—	—	—	—	—	—	235.83	331.13	—	—	—	—	—	802.89
	Kerisi	.. .. .	2,620.21	—	—	—	—	—	—	19.54	29.47	—	—	—	—	—	2,669.22
	Kerisi Bali	.. .. .	36.05	—	—	—	—	—	—	73.09	14.03	—	—	—	—	—	123.17
	Kikek	.. .. .	98.12	—	—	—	—	—	—	—	—	—	—	—	—	—	98.12
	Malong	.. .. .	83.18	—	—	—	2.00	—	—	—	39.94	—	—	—	—	—	125.12
	Merah	.. .. .	325.43	—	—	—	—	—	—	239.31	209.02	—	—	—	—	—	773.76
	Mengkerong/Conor/Ubi	.. .. .	435.69	—	—	—	17.59	—	—	—	—	—	—	—	—	—	453.28
	Remong/Kunyit-kunyit	.. .. .	59.04	—	—	—	—	—	—	8.17	47.66	—	—	—	—	—	114.87
	Semilang	.. .. .	39.32	—	—	—	68.12	—	—	46.52	298.31	—	—	—	—	—	452.27
	Shrumbu/Lemah	.. .. .	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42
	Puntong Damar/Bulus	.. .. .	44.03	—	—	—	0.97	—	—	—	111.14	—	—	—	—	—	156.14
	Pasir-pasir	.. .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

34	Alu-alu/Kacang-kacang	200.00	0.24	—	—	7.80	—	—	3.87	118.87	—	—	—	—	—	330.78
	Aruan Tasik	8.72	0.84	—	—	47.25	—	—	0.48	0.06	—	—	—	—	—	57.35
	Bawal	200.41	217.67	—	—	649.05	—	—	—	—	—	—	—	—	—	1,067.13
	Belanak/Kedera	134.92	—	—	—	2,170.05	—	—	—	12.03	—	—	—	—	—	2,317.00
	Cermin/Sagai/Cupak	5.74	—	—	—	—	—	—	—	—	—	—	—	—	—	5.74
	Cencaru	233.03	224.62	—	—	22.44	—	—	—	10.10	—	—	—	—	—	490.19
	Demudok/Rambai	404.65	4.36	—	—	—	—	—	5.26	17.36	—	—	—	—	—	431.63
	Kurau/Senangin/Senohong ..	4.35	—	—	—	257.49	—	—	—	13.85	—	—	—	—	—	275.69
	Pelata/Selar	124.39	5.69	—	—	15.91	—	—	—	—	—	—	—	—	—	145.99
	Selar Kuning/Lolong	214.34	0.24	—	—	9.74	—	—	—	—	—	—	—	—	—	224.32
	Selayang/Curut	157.06	22.92	—	—	—	—	—	—	—	—	—	—	—	—	179.98
	Pisang-pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Talang	15.84	0.24	—	—	6.78	—	—	—	118.15	—	—	—	—	—	141.01
35	Bilis	—	—	6,388.64	—	—	—	327.52	—	—	—	—	—	—	—	6,716.16
	Parang-parang	152.35	—	—	—	262.67	—	—	—	—	—	—	—	—	—	415.02
	Tamban	66.37	13.48	—	—	—	—	—	—	—	—	—	—	—	—	79.85
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	6.96	374.36	—	—	368.72	—	—	—	—	—	—	—	—	—	750.04
	Layaran/Mersuji	49.00	—	—	—	—	—	—	—	—	—	—	—	—	—	49.00
37	Kembong/Temenong	1,693.76	4,898.13	—	—	1,123.49	—	—	—	—	—	—	—	—	—	7,715.38
	Tenggiri	133.88	0.18	—	—	923.28	—	—	—	202.97	—	—	—	—	—	1,260.31
	Timah/Layor/Selayor	577.09	—	—	—	16.21	—	—	—	0.30	—	—	—	—	—	593.60
38	Pari	320.57	—	—	—	175.81	—	—	34.55	299.57	—	—	—	—	—	830.50
	Yu	144.41	—	—	—	5.81	—	—	—	187.97	—	—	—	—	—	338.19
39	Ikan Baja	20,180.58	—	—	4,088.75	1,203.57	—	—	—	—	130.30	—	438.00	—	—	26,041.20
	Ikan Campur	602.36	38.48	—	56.21	401.86	—	—	44.21	284.64	—	—	54.99	—	—	1,482.75
	Jebong	122.44	—	—	—	4.60	—	—	3.51	0.91	—	—	—	—	—	131.46
42	Ketam	147.06	—	—	1.39	826.74	—	—	3.27	—	—	—	—	—	462.75	1,441.21
45	Udang Karang/Lobok	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68
	Udang Besar	177.18	—	—	203.52	1,236.60	—	—	—	—	4.78	1.76	28.36	—	—	1,652.20
	Udang Sedang	2,486.03	—	—	3,064.59	759.03	—	—	—	—	203.99	2.78	678.75	—	—	7,195.17
	Udang Kecil	4,967.75	—	—	5,702.95	72.24	—	—	—	—	355.92	—	1,413.49	—	—	12,512.35
	Udang Baring	—	—	—	—	—	—	2,362.85	—	—	1,044.71	—	—	—	—	3,407.56
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	57,461.95	—	57,461.95
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	395.53	—	395.53
57	Sotong Kereta	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sotong Katak	405.25	—	—	—	—	—	—	—	—	—	—	—	—	—	405.25
	Sotong Biasa	1,099.89	—	—	1.88	8.71	—	—	—	—	—	—	—	—	—	1,110.48
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jumlah Ton M ..	40,740.11	5,801.93	6,388.64	13,213.90	11,369.21	—	2,690.37	887.48	3,518.99	1,739.70	4.54	2,613.59	57,857.48	462.75	147,288.69
	Total M. Tonnes															

SELANGOR
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish		Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps									Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat-belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets						
Species																			
24	Kebasi/Selangat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Puput/B. Mata/Tirok	1.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.51		
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
25	Siakap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
31	Lidah	624.88	—	—	—	—	—	—	—	—	—	3.27	—	—	—	—	628.15		
	Sebelah	12.57	—	—	—	—	—	—	—	—	—	2.43	—	—	—	—	15.00		
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Duri/Pulutan/Utik	50.17	—	—	26.56	233.75	22.38	1.51	—	40.53	—	38.16	—	—	—	—	413.06		
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Gelama/Tengkerong	718.40	—	—	27.21	57.65	36.54	3.20	—	25.37	—	228.36	—	—	—	—	1,096.73		
	Gerut-gerut	54.01	—	—	3.63	19.12	3.87	4.41	—	332.08	—	—	—	—	—	—	417.12		
	Jenahak	54.21	—	—	10.70	2.23	—	0.30	—	56.74	—	—	—	—	—	—	124.18		
	Kaci	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Kerapu	69.69	—	—	—	0.67	—	—	—	—	—	—	—	—	—	—	70.36		
	Kerisi	93.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.83		
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Kikek	13.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.96		
	Malong	188.39	—	—	—	190.51	5.02	—	—	84.75	—	—	—	—	—	—	468.67		
	Merah	89.97	—	—	—	—	—	—	—	181.74	—	—	—	—	—	—	271.71		
	Mengkerong/Conor/Ubi	48.21	—	—	—	—	—	—	—	3.57	—	—	—	—	—	—	51.78		
	Remong/Kunyit-kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Semilang	14.93	—	—	27.05	—	—	—	—	5.87	—	46.41	—	—	—	—	94.26		
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

[illegible]

NEGERI SEMBILAN
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
 LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish		Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps								Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat-belat Stationary		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	
Species																
24	Kebasi/Selangat	—	—	—	3.45	20.69	—	—	—	—	—	—	—	—	—	24.14
	Puput/B. Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	3.61	7.59	—	—	—	—	—	11.20
31	Lidah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sebelah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	—	—	—	—	—	16.24	—	—	—	—	—	16.24
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	—	—	—	4.26	7.88	—	—	—	—	—	—	—	—	—	12.14
	Gerut-gerut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jenahak	—	—	—	—	—	—	—	13.88	15.99	—	—	—	—	—	29.87
	Kaci	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	—	—	—	—	—	—	—	6.76	6.53	—	—	—	—	—	13.29
	Kerisi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—	—	—	0.54	—	—	—	—	—	0.54
	Malong	—	—	—	—	—	—	—	20.58	20.97	—	—	—	—	—	41.55
	Merah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mengkerong/Conor/Ubi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	3.72	10.06	—	—	—	3.96	—	—	—	—	—	17.74
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

34	Alu-alu/Kacang-kacang	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Aruan Tasik	—	—	—	—	—	—	—	4.27	—	—	—	—	—	4.27
	Bawal	—	—	—	—	21.89	—	—	—	—	—	—	—	—	21.89
	Belanak/Kedera	—	—	—	12.51	21.55	—	—	—	—	—	—	—	—	34.06
	Cermin/Sagai/Cupak	—	—	—	—	1.20	—	—	—	—	—	—	—	—	1.20
	Cencaru	—	—	—	—	—	—	—	4.37	—	—	—	—	—	4.37
	Demudok/Rambai	—	—	—	—	1.39	—	—	—	—	—	—	—	—	1.39
	Kurau/Senangin/Senohong ..	—	—	—	—	—	—	—	16.40	—	—	—	—	—	16.40
	Pelata/Selar	—	—	—	—	—	—	—	4.58	—	—	—	—	—	4.58
	Selar Kuning/Lolong	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pisang-pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Talang	—	—	—	—	7.62	—	—	—	—	—	—	—	—	7.62
35	Bilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Parang-parang	—	—	—	—	56.93	—	—	—	—	—	—	—	—	56.93
	Tamban	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Kembong/Temenong	—	—	—	—	—	—	—	2.77	—	—	—	—	—	2.77
	Tenggiri	—	—	—	—	68.84	—	—	—	—	—	—	—	—	68.84
	Timah/Layor/Selayor	—	—	—	—	—	—	—	—	—	—	—	—	—	—
38	Pari	—	—	—	—	—	—	—	26.33	—	—	—	—	—	26.33
	Yu	—	—	—	—	—	—	—	10.45	—	—	—	—	—	10.45
39	Ikan Baja	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ikan Campur	—	—	—	15.36	48.39	—	1.80	2.91	—	—	—	—	—	68.46
	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	Ketam	—	—	—	12.42	26.21	—	—	—	—	—	—	9.40	—	48.03
45	Udang Karang/Lobok	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Udang Besar	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Udang Sedang	—	—	—	27.60	40.54	—	—	—	—	—	—	—	—	68.14
	Udang Kecil	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Udang Baring	—	—	—	—	—	—	—	—	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—	—	—	—	—	131.39	—	—	131.39
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sotong Katak	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sotong Biasa	—	—	—	—	—	—	—	—	—	—	—	—	—	—
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TON M. TOTAL M. TONNES		—	—	—	79.32	333.19	—	—	46.63	143.90	—	—	131.39	9.40	743.83

MELAKA

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish		Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Net	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable							
	Species															
24	Kebasi/Selangat	—	—	—	5.75	31.52	—	—	—	—	—	—	—	—	—	37.27
	Puput/B. Mata/Tirok .. .	—	—	—	—	2.18	—	—	—	—	—	—	—	—	—	2.18
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	8.30	—	—	—	—	—	—	—	—	—	8.30
31	Lidah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sebelah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	12.11	47.42	—	—	—	50.80	—	9.44	—	—	—	119.77
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong .. .	—	—	—	2.89	22.69	—	—	—	—	—	—	—	—	—	25.58
	Gerut-gerut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jenahak	—	—	—	—	—	—	—	—	33.40	—	—	—	—	—	33.40
	Kaci	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	—	—	—	—	—	—	—	—	38.54	—	—	—	—	—	38.54
	Kerisi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Malong	—	—	—	—	—	—	—	—	17.13	—	—	—	—	—	17.13
	Merah	—	—	—	—	—	—	—	—	29.81	—	—	—	—	—	29.81
	Mengkerong/Conor/Ubi ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-kunyit ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	4.39	—	—	—	—	—	17.35	—	—	—	21.74
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

34	Alu-alu/Kacang-kacang	—	—	—	—	—	—	—	10.59	—	—	—	—	—	10.59	
	Aruan Tasik	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Bawal	—	—	—	—	45.71	—	0.60	—	—	—	—	—	—	46.31	
	Belanak/Kedera	—	—	—	—	—	—	—	—	—	4.59	—	—	—	4.59	
	Cermin/Sagai/Cupak	—	—	—	—	9.07	—	—	—	—	—	—	—	—	9.07	
	Cencaru	—	—	—	—	43.93	—	—	—	1.51	—	—	—	—	45.44	
	Demudok/Rambai	—	—	—	—	6.65	—	—	—	—	—	—	—	—	6.65	
	Kurau/Senangin/Senohong ..	—	—	—	—	19.15	—	—	—	49.55	—	—	—	—	68.70	
	Pelata/Selar	—	—	—	—	0.48	—	—	—	10.65	—	—	—	—	11.13	
	Selar Kuning/Lolong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Pisang-pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Talang	—	—	—	—	16.95	—	—	—	0.61	—	—	—	—	17.56	
35	Billis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Parang-parang	—	—	—	—	453.06	—	—	—	—	—	—	—	—	453.06	
	Tamban	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
36	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
37	Kembong/Temenong	—	—	—	—	20.65	—	—	—	—	—	—	—	—	20.65	
	Tenggiri	—	—	—	—	585.01	—	—	—	—	—	—	—	—	585.01	
	Timah/Layor/Selayor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
38	Pari	—	—	—	—	14.69	—	—	—	147.98	—	—	—	—	162.67	
	Yu	—	—	—	—	—	—	—	—	31.28	—	—	—	—	31.28	
39	Ikan Baja	—	—	—	32.97	—	—	84.41	—	—	24.20	—	—	—	141.58	
	Ikan Campur	—	—	—	10.46	187.06	—	41.07	—	7.44	9.45	6.47	—	—	261.95	
	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
42	Ketam	—	—	—	—	1.50	—	—	—	—	—	—	—	—	1.50	
45	Udang Karang/Lobok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Udang Besar	—	—	—	0.06	32.53	—	1.26	—	—	—	1.26	—	—	35.11	
	Udang Sedang	—	—	—	3.91	14.05	—	5.50	—	—	—	22.55	—	—	46.01	
	Udang Kecil	—	—	—	21.56	2.70	—	10.24	—	—	—	16.52	—	—	51.02	
	Udang Baring	—	—	—	—	—	—	22.14	—	—	—	111.07	—	—	133.21	
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	8.66	—	8.66	
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
57	Sotong Kereta	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Sotong Katak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Sotong Biasa	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Jumlah Ton M.		—	—	—	89.71	1,569.69	—	165.22	—	429.29	—	65.03	157.87	8.66	—	2,485.47
Total M. Tonnes		—	—	—	89.71	1,569.69	—	165.22	—	429.29	—	65.03	157.87	8.66	—	2,485.47

JOHOR BARAT/WEST JOHORE
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish		Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps					Memungut Siput Shellfish Collection	Rampai-an Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name	Pukat Tunda Trawl Net	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Biliis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat-belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets		
	<i>Species</i>														
24	Kebasi/Selangat	17.24	—	—	—	146.23	—	1.51	—	—	—	—	—	—	164.98
	Puput/B. Mata/Tirok	116.86	—	—	—	65.86	—	—	—	—	—	—	—	—	182.72
	Terubok	0.24	—	—	—	—	—	—	—	—	—	—	—	—	0.24
25	Siakap	0.42	—	—	—	—	—	—	0.12	0.67	—	0.67	—	—	1.88
31	Lidah	23.96	—	—	—	4.23	—	—	—	—	—	0.42	—	—	28.61
	Sebelah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	61.15	—	—	—	—	—	—	—	—	—	—	—	—	61.15
	Daun Baharu	10.09	—	—	—	—	—	—	—	—	—	—	—	—	10.09
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	57.54	—	—	—	173.22	29.54	5.93	—	164.48	76.75	3.87	—	—	511.33
	Dengkis/Debam	—	—	—	—	—	—	—	3.68	—	—	2.60	—	—	6.28
	Gelama/Tengkerong	254.40	—	—	4.05	203.66	11.38	47.37	—	9.86	25.28	7.19	—	—	563.19
	Gerut-gerut	2.29	—	—	—	24.86	—	—	1.33	12.83	—	—	—	—	41.31
	Jenahak	4.06	—	—	—	—	—	—	49.96	3.63	—	—	—	—	57.65
	Kaci	—	—	—	—	—	—	—	6.95	—	—	—	—	—	6.95
	Kerapu	4.59	—	—	—	1.63	—	—	32.80	8.58	—	0.12	—	—	47.72
	Kerisi	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	8.23	—	1.63	—	—	—	—	—	—	9.86
	Malong	208.60	—	—	—	47.32	4.78	24.92	—	177.26	—	0.24	—	—	463.12
	Merah	3.34	—	—	—	—	—	—	47.33	1.82	—	—	—	—	52.49
	Mengkerong/Conor/Ubi	24.32	—	—	—	—	—	—	—	—	—	—	—	—	24.32
	Remong/Kunyit-kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	0.36	—	60.61	—	4.29	1.87	16.99	—	0.06	84.18
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—

KELANTAN

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

[illegible]

TRENGGANU

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish	Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah Ton M. Total M. Tonnes
		Nama Tempatan Local Name	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets							
	<i>Species</i>														
24	Kebasi/Selangat	—	—	—	—	—	—	—	27.23	—	—	—	—	—	27.23
	Puput/B. Mata/Tirok .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	23.24	—	—	0.55	—	—	—	—	—	23.79
31	Lidah	53.91	—	—	—	—	—	—	—	—	—	—	—	—	53.91
	Sebelah	41.15	—	—	—	—	—	—	—	—	—	—	—	—	41.15
82	33 Bayan	1.03	—	—	—	0.18	—	—	155.53	—	—	—	—	—	156.74
	Biji Nangka	151.28	—	—	—	—	—	—	131.47	—	—	—	—	—	282.75
	Daun Baharu	11.61	—	—	—	5.68	—	—	35.69	—	—	—	—	—	52.98
	Delah	—	—	—	—	10.84	—	—	273.32	0.12	—	—	—	—	284.28
	Duri/Pulutan/Utik .. .	15.38	27.70	—	—	31.52	—	—	5.80	48.71	—	—	—	—	129.11
	Dengkis/Debam	18.20	—	—	—	13.37	9.25	—	311.14	7.07	—	—	—	—	359.03
	Gelama/Tengkerong .. .	100.07	28.25	—	2.00	89.11	—	—	16.03	58.80	—	—	—	—	294.26
	Gerut-gerut	14.15	—	—	—	16.40	—	—	62.85	32.12	—	—	—	—	125.52
	Jenahak	0.54	—	—	—	3.39	—	—	3.81	0.78	—	—	—	—	8.52
	Kaci	1.57	—	—	—	1.09	—	—	151.06	1.33	—	—	—	—	155.05
	Kerapu	43.32	—	—	—	47.32	—	—	223.28	173.45	—	—	—	—	487.37
	Kerisi	475.99	—	—	—	2.61	—	—	311.39	181.01	—	—	—	—	971.00
	Kerisi Bali	20.26	—	—	—	—	—	—	—	—	—	—	—	—	20.26
	Kikek	100.18	103.02	2.30	—	21.77	—	—	40.72	0.18	—	—	—	—	268.17
	Malong	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Merah	54.43	—	—	—	0.18	—	—	451.66	202.89	—	—	—	—	709.16
	Mengkerong/Conor/Ubi ..	43.31	—	—	—	—	—	—	—	—	—	—	—	—	43.31
	Remong/Kunyit-kunyit ..	56.62	—	—	—	4.84	—	—	502.24	0.42	—	—	—	—	564.12
	Semilang	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	1.88	—	—	—	—	—	—	—	—	—	—	—	—	1.88
	Puntong Damar/Bulus .. .	97.94	—	—	—	1,323.42	—	—	76.28	—	—	—	—	—	1,497.64
	Pasir-pasir	—	—	—	—	—	—	—	20.45	—	—	—	—	—	20.45

PAHANG

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish	Pukat Tunda Trawl Net	Pukat-pukat Tarik/Seine Nets				Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Perangkap-perangkap Traps		Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampaian Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Belat- belat Stationary			Bubu Portable								
	Species																
24	Kebasi/Selangat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puput/B. Mata/Tirok	6.11	—	—	—	12.41	—	—	—	—	—	—	—	—	—	—	18.52
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	7.86	51.30	—	—	—	—	—	—	59.16
31	Lidah	12.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.28
	Sebelah	12.04	—	—	—	1.21	—	—	—	—	—	—	—	—	—	—	13.25
33	Bayan	0.91	—	—	—	4.35	—	—	141.81	—	—	—	—	—	—	—	147.07
	Biji Nangka	2.91	—	—	0.18	—	—	—	6.05	—	—	—	—	—	—	—	9.14
	Daun Baharu	12.57	—	—	—	0.06	—	—	8.59	—	—	—	—	—	—	—	21.22
	Delah	0.06	—	—	—	57.23	—	—	256.69	—	—	—	—	—	—	—	313.98
	Duri/Pulutan/Utik	64.25	385.48	—	1.76	199.99	2.12	0.12	—	243.80	—	—	—	—	—	—	897.52
	Dengkis/Debam	9.31	—	—	—	1.99	0.24	—	43.44	13.13	—	—	—	—	—	—	68.11
	Gelama/Tengkerong	89.55	—	5.75	1.70	176.90	27.40	—	—	292.26	—	—	—	—	—	—	593.56
	Gerut-gerut	3.63	—	—	0.06	38.54	1.03	—	67.69	467.57	—	—	—	—	—	—	578.52
	Jenahak	—	—	—	—	0.73	—	—	1.03	8.10	—	—	—	—	—	—	9.86
	Kaci	7.86	—	—	2.18	15.01	1.09	—	113.97	163.88	—	—	—	—	—	—	303.99
	Kerapu	0.84	—	—	—	32.43	15.00	—	163.63	861.78	—	—	—	—	—	—	1,073.68
	Kerisi	275.39	—	—	1.93	57.41	15.61	—	89.41	1,454.84	—	—	—	—	—	—	1,894.59
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	52.74	0.12	21.23	—	10.41	7.32	—	—	—	—	—	—	—	—	—	91.82
	Malong	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48
	Merah	17.54	—	—	—	1.51	—	—	258.55	364.98	—	—	—	—	—	—	642.58
	Mengkerong/Conor/Ubi	27.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.47
	Remong/Kunyit-kunyit	12.71	—	—	2.54	10.34	0.54	—	100.36	5.15	—	—	—	—	—	—	131.64
	Semilang	8.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.77
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	199.33	—	—	9.75	141.38	2.48	—	—	5.87	—	—	—	—	—	—	358.81
	Pasir-pasir	20.37	—	—	2.42	120.08	—	—	47.67	121.48	—	—	—	—	—	—	312.02
34	Alu-alu/Kacang-kacang	29.39	27.81	—	—	42.55	0.18	—	9.19	138.42	—	—	—	—	—	—	247.54

	Aruan Tasik	3.70	—	—	—	88.56	—	—	174.83	481.43	—	—	—	—	—	748.52
	Bawal	4.59	—	—	—	65.45	0.18	—	—	—	—	—	—	—	—	70.22
	Belanak/Kedera	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Cermin/Sagai/Cupak	26.61	—	—	0.30	63.77	6.17	—	94.50	3.02	—	—	—	—	—	194.37
	Cencaru	0.36	5.32	—	—	55.48	2.30	—	—	—	—	—	—	—	—	63.46
	Demudok/Rambai	0.67	—	—	—	70.12	3.02	—	128.68	237.51	—	—	—	—	—	440.00
	Kurau/Senangin/Senohong	0.72	—	—	—	71.57	—	—	—	5.20	—	—	—	—	—	77.49
	Pelata/Selar	16.02	115.24	—	0.91	190.10	60.08	—	1.15	1,143.00	—	—	—	—	—	1,526.50
	Selar Kuning/Lolong	374.06	269.69	—	3.26	19.90	1,192.74	3.87	—	—	—	—	—	—	—	1,863.52
	Selayang/Curut	0.91	47.80	—	—	—	35.64	—	—	407.13	—	—	—	—	—	491.48
	Pisang-pisang	6.95	—	—	—	3.03	—	—	—	—	—	—	—	—	—	9.98
	Talang	2.35	9.56	2.18	1.15	58.56	0.96	—	—	—	—	—	—	—	—	74.76
35	Bilis	—	—	1,752.19	—	—	—	84.09	—	—	—	—	—	—	—	1,836.28
	Parang-parang	15.90	—	—	1.03	515.31	2.78	—	—	12.95	—	—	—	—	—	547.97
	Tamban	0.66	393.35	259.58	—	—	140.38	69.27	—	—	—	—	—	—	—	863.24
	Bulan-bulan	69.37	—	—	—	—	—	—	—	—	—	—	—	—	—	69.37
36	Aya/Kayu/Tongkol	—	75.57	—	—	161.23	—	—	—	221.34	—	—	—	—	—	458.14
	Layaran/Mersuji	—	—	—	—	33.87	—	—	—	251.06	—	—	—	—	—	284.93
37	Kembong/Temenong	18.57	681.31	—	0.59	762.81	46.28	—	—	109.20	—	—	—	—	—	1,618.76
	Tenggiri	24.80	—	—	—	728.20	1.03	—	125.54	943.48	—	—	—	—	—	1,823.05
	Timah/Layor/Selayor	8.70	0.06	—	—	29.46	—	—	—	—	—	—	—	—	—	38.22
38	Pari	189.30	—	—	0.54	76.88	—	—	—	47.84	—	—	—	—	—	314.56
	Yu	51.01	—	—	—	287.58	1.03	—	—	21.66	—	—	—	—	—	361.28
39	Ikan Baja	4,614.53	—	248.09	—	—	—	30.85	—	—	—	—	—	—	—	4,893.47
	Ikan Campur	158.90	53.86	250.42	26.17	175.49	81.04	62.12	163.81	390.26	—	—	—	—	—	1,362.07
	Jebong	0.30	—	—	—	—	—	—	3.51	—	—	—	—	—	—	3.81
42	Ketam	171.30	—	—	—	126.25	—	—	47.80	—	—	—	—	—	—	345.35
45	Udang Karang/Lobok	28.43	—	—	—	0.85	—	—	—	—	—	—	—	—	—	29.28
	Udang Besar	66.50	—	—	—	116.79	—	—	—	—	—	—	—	—	—	183.29
	Udang Sedang	134.79	—	—	—	172.72	—	—	—	—	—	—	—	—	—	307.51
	Udang Kecil	152.28	—	—	—	91.53	—	—	—	—	—	—	—	—	—	243.81
	Udang Baring	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	53.42	—	53.42
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sotong Katak	250.17	—	—	—	1.03	—	2.48	24.50	—	—	—	—	—	—	278.18
	Sotong Biasa	577.31	4.29	—	—	—	—	13.25	—	—	—	—	—	—	—	594.85
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH TON M. TOTAL M. TONNES		7,836.27	2,069.46	2,539.44	56.47	4,891.07	1,646.64	266.05	2,080.26	8,467.64	—	—	—	53.42	—	29,906.72

JOHOR TIMUR/EAST JOHORE
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN, 1981
LANDINGS OF MARINE FISH BY GEAR GROUP AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Jenis Ikan Type of Fish	Pukat Tunda Trawl Nets	Pukat-pukat Tarik/Seine Nets					Perangkap-perangkap Traps								Rampaian Miscel- laneous	Jumlah Ton M. Total M. Tonnes
	Nama Tempatan Local Name		Pukat Jerut Ikan Purse Seine Fish	Pukat Jerut Bilis Purse Seine Anchovy	Lain Pukat Tarik Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat- belat Stationary	Bubu Portable	Pancing Hooks and Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection			
	Species																
24	Kebasi/Selangat	33.34	—	—	—	1.99	—	—	—	—	5.45	—	—	—	—	40.78	
	Puput/B. Mata/Tirok .. .	43.37	—	—	—	11.61	—	—	—	—	1.94	—	—	—	—	56.92	
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	Siakap	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	
31	Lidah	7.50	—	—	—	0.66	—	—	—	—	0.73	—	—	—	—	8.89	
	Sebelah	24.56	—	—	—	0.78	—	—	—	—	1.09	—	—	—	—	26.43	
33	Bayan	0.06	—	—	—	—	—	7.99	39.14	—	—	—	—	—	—	47.19	
	Biji Nangka	166.60	—	—	—	—	—	—	4.00	—	—	—	—	—	—	170.60	
	Daun Baharu	5.74	—	—	—	0.30	—	—	0.48	—	—	—	—	—	—	6.52	
	Delah	—	—	—	173.81	—	—	—	35.76	49.19	—	—	—	—	12.04	270.80	
	Duri/Pulutan/Utik .. .	78.53	0.42	—	—	281.49	—	4.11	0.54	123.60	12.40	—	—	—	—	501.09	
	Dengkis/Debam	71.93	—	—	—	2.48	—	—	44.47	—	1.39	—	—	—	—	120.27	
	Gelama/Tengkerong .. .	403.76	—	—	—	14.64	—	0.36	—	0.91	55.91	—	—	—	—	475.58	
	Gerut-gerut	1.57	—	—	—	1.57	—	—	—	—	—	—	—	—	—	3.14	
	Jenahak	20.27	—	—	—	0.18	—	—	5.62	1.63	—	—	—	—	—	27.70	
	Kaci	26.79	—	—	—	0.12	—	—	27.83	2.12	—	—	—	—	—	56.86	
	Kerapu	29.29	—	—	—	0.42	—	0.24	98.18	32.78	9.38	—	—	—	—	170.29	
	Kerisi	877.73	—	—	—	—	—	—	0.24	12.10	—	—	—	—	—	890.07	
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Kikek	75.98	6.72	—	—	6.79	—	7.93	—	2.60	21.72	—	—	—	—	121.74	
	Malong	0.60	—	—	—	6.95	—	—	—	12.28	—	—	—	—	—	19.83	
	Merah	102.36	—	—	—	0.73	—	1.15	21.30	82.59	—	—	—	—	—	208.13	
	Mengkerong/Conor/Ubi ..	5.19	—	—	—	—	—	—	—	—	0.42	—	—	—	—	5.61	
	Remong/Kunyit-kunyit ..	49.30	0.36	—	—	—	—	—	1.46	—	—	—	—	—	—	51.12	
	Semilang	—	—	—	—	1.51	—	—	—	11.92	9.19	—	—	—	—	22.62	
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	2.66	—	—	—	—	2.66	
	Puntong Damar/Bulus .. .	107.91	—	—	—	—	—	—	1.03	—	—	—	—	—	—	108.94	
	Pasir-pasir	90.38	—	—	—	—	—	—	—	—	—	—	—	—	—	90.38	

[illegible]

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

PENDARATAN UDANG BAGI TAHUN 1967-1981

PRAWN LANDINGS FOR THE YEAR 1967-1981

(Kuantiti Dalam Ton M./Quantity in M. Tonnes)

Tahun Year	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	Trengganu	Pahang	Johor Timur East Johore		
1967	96.6	382.5	1,563.6	9,562.3	10,266.0	10.6	36.8	1,698.4	23,616.8	205.4	338.2	247.3	990.7	1,781.6	25,398.4
1968	64.2	653.9	2,532.0	14,681.1	7,905.4	5.6	80.2	784.6	26,707.0	256.7	281.6	273.7	1,698.2	2,510.2	29,217.2
1969	54.7	825.6	3,912.0	16,084.7	8,206.9	8.9	143.8	901.9	30,138.5	188.1	182.4	253.9	1,018.0	1,842.4	31,780.9
1970	99.0	673.3	4,857.5	17,403.3	13,958.5	20.7	168.5	963.7	38,144.5	422.0	207.6	435.9	2,104.3	3,169.8	41,314.3
1971	81.5	1,228.7	7,141.5	17,885.3	18,932.0	16.4	92.9	1,309.5	46,687.8	406.1	241.8	550.4	1,358.3	2,556.6	49,244.4
1972	150.4	1,652.1	7,827.7	16,589.2	8,813.5	6.2	40.3	1,870.0	36,949.4	303.7	280.1	764.8	1,440.6	2,789.2	39,738.6
1973	855.4	2,352.1	9,032.7	17,802.3	13,510.2	6.2	61.1	1,940.3	45,560.3	136.1	421.7	572.2	1,393.5	2,523.5	48,083.8
1974	1,592.0	2,667.5	7,789.3	19,977.1	14,122.8	4.9	44.8	2,432.3	48,630.7	222.1	357.4	849.8	1,753.5	3,182.8	51,813.5
1975	1,150.2	3,084.5	6,736.4	17,037.0	7,671.4	15.3	43.6	2,228.9	37,967.3	379.5	550.2	772.0	1,332.1	3,033.8	41,001.1
1976	654.6	5,365.0	5,703.6	16,934.3	12,223.8	18.9	41.6	2,639.7	43,581.5	229.1	752.1	813.7	2,274.9	4,069.8	47,651.3
1977	1,335.6	8,424.9	4,016.2	21,437.5	12,831.0	20.0	58.1	2,864.1	50,987.4	350.7	1,112.5	881.2	1,252.7	3,597.1	54,584.5
1978	2,204.7	7,085.6	3,101.1	25,839.0	22,153.7	15.3	77.1	2,540.9	63,017.4	225.2	1,050.3	988.8	2,266.6	4,530.9	67,548.3
1979	2,396.5	4,213.0	3,128.6	23,205.9	20,020.3	29.5	108.0	3,583.3	56,685.1	255.8	797.3	767.0	1,919.9	3,740.0	60,425.1
1980	2,272.0	6,781.8	4,419.5	21,544.8	12,943.9	48.6	154.0	2,918.5	51,083.1	448.1	677.0	1,137.8	1,450.5	3,713.4	54,796.5
1981	1,545.1	8,372.2	3,799.6	21,361.4	7,095.2	68.1	132.1	3,148.7	45,522.4	255.0	1,032.3	763.9	2,037.0	4,088.2	49,610.6

PENDARATAN PUKAT TUNDA DI SEMENANJUNG MALAYSIA, 1977-1981

TRAWL LANDINGS IN PENINSULAR MALAYSIA, 1977-1981

(Kuantiti Dalam Ton M./Quantity in M. Tonnes)

	1977				1978				1979				1980				1981			
Negeri State	Jumlah Tangkapan Total Landings	Ikan Fish	Udang Prawn	Baja Manure Fish	Jumlah Tangkapan Total Landings	Ikan Fish	Udang Prawn	Baja Manure Fish	Jumlah Tangkapan Total Landings	Ikan Fish	Udang Prawn	Baja Manure Fish	Jumlah Tangkapan Total Landings	Ikan Fish	Udang Prawn	Baja Manure Fish	Jumlah Tangkapan Total Landings	Ikan Fish	Udang Prawn	Baja Manure Fish
Perlis	7,966	1,095	1,193	5,678	10,456	913	2,067	7,476	10,506	1,111	2,201	7,194	10,501	1,348	2,065	7,088	8,489	1,221	1,426	5,842
Kedah	58,687	26,039	7,690	24,958	54,181	24,078	6,469	23,634	51,628	18,682	3,329	29,617	72,273	20,718	5,019	46,536	111,920	33,265	6,266	72,389
Pulau Pinang Penang	4,989	1,798	923	2,268	3,531	1,763	407	1,361	5,409	1,996	1,007	2,406	5,487	1,813	902	2,772	4,984	1,995	586	2,403
Perak	66,451	19,597	16,393	30,461	81,845	29,788	17,170	34,887	66,689	19,265	10,352	37,072	45,463	15,909	7,196	22,358	40,740	12,926	7,633	20,181
Selangor	82,335	20,812	10,914	50,609	80,536	24,279	17,550	38,707	66,105	19,827	15,550	30,728	51,899	13,609	9,482	28,808	25,432	5,650	3,796	15,986
Negeri Sembilan ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melaka Malacca	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kelantan	1,055	490	308	257	1,462	1,033	132	297	1,638	1,127	155	356	2,240	1,503	220	517	1,154	864	122	168
Trengganu	20,022	9,585	1,062	9,375	18,175	7,670	1,020	9,485	16,947	6,278	735	9,934	8,460	3,143	481	4,836	11,388	2,598	718	8,072
Pahang	8,264	1,670	861	5,733	9,375	1,879	971	6,525	10,521	2,347	739	7,435	11,685	2,641	864	8,180	7,836	2,839	382	4,615
Johor Timur East Johore	5,262	2,646	890	1,726	20,660	13,926	1,674	5,060	18,333	8,324	1,451	8,558	10,921	5,585	1,121	4,215	13,959	6,284	1,376	6,299
Johor Barat West Johore	6,094	1,589	1,963	2,542	4,798	1,364	1,372	2,062	10,424	3,534	2,440	4,450	8,351	2,185	2,116	4,050	8,370	1,915	2,300	4,155
Jumlah Total	261,125	85,321	42,197	133,607	285,019	106,693	48,832	129,494	258,200	82,491	37,959	137,750	227,280	68,454	29,466	129,360	234,272	69,557	24,605	140,110

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN NEGERI, 1981
LANDINGS BY TRAWLERS BY TONNAGE AND STATE, 1981

Ukuran Muatan Tonnage	Negeri State	Pantai Barat/West Coast								Pantai Timur/East Coast				Jumlah Kecil Sub-Total	Jumlah Besar Ton M. Grand Total M. Tonnes	
		Perlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat West Johore	Jumlah Kecil Sub-Total	Kelantan	Trengganu	Pahang			Johor Timur East Johore
0 — 9.9 Tons		2,573.78	3,928.27	—	6,347.21	7,525.40	—	—	3460.04	23,834.70	—	1,900.65	1,492.98	221.19	3,614.82	27,449.52
10 — 24.9 Tons .. .		2,766.64	13,464.90	—	6,523.03	6,408.83	—	—	4,736.08	33,899.48	915.18	7,619.95	1,280.28	2,931.40	12,746.81	46,646.29
25 — 39.9 Tons .. .		2,798.64	72,715.12	4,657.46	15,697.58	10,595.23	—	—	173.87	106,637.90	238.36	1,836.34	3,908.02	5,558.69	11,541.41	118,179.31
40 — 69.9 Tons .. .		349.87	21,811.32	326.62	12,172.29	902.09	—	—	—	35,562.19	—	31.33	1,150.15	5,188.94	6,370.42	41,932.61
70 Tons dan lebih .. 70 Tons and above		—	—	—	—	—	—	—	—	—	—	—	4.84	58.98	63.82	63.82
Jumlah Ton M. Total M. Tonnes		8,488.93	111,919.61	4,984.08	40,740.11	25,431.55	—	—	8,369.99	199,934.27	1,153.54	11,388.27	7,836.27	13,959.20	34,337.28	234,271.55

SEMENANJUNG MALAYSIA /PENINSULAR MALAYSIA
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH , 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	Tonnage Class				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	6,363	3,067	1,775	1,179	335	7
	No. of trips	1,753,475	908,662	4,869,29	289,490	68,224	170
	No. of days	1,857,920	909,877	5,268.64	334,046	86,863	270
	No. of hauls	4,992,316	2,437,023	14,281.82	810,417	216,226	488
	No. of trawling hours	14,668,014	7,162,899	4,175,136	2,683,617	644,898	1,464
Species:							
		M. Tonnes:					
24	Kebasi/Selangat	501.23	19.23	87.70	289.05	105.25	—
	Puput/B. Mata/Tirok	383.70	41.17	102.26	182.23	57.98	0.06
	Terubok	1.51	—	0.30	1.15	0.06	—
25	Siakap	1.08	0.24	0.42	0.12	0.30	—
31	Lidah	2,409.33	179.37	988.04	973.78	268.08	0.06
	Sebelah	260.71	30.79	54.07	134.32	41.35	0.18
33	Bayan	2.67	0.49	0.85	0.90	0.25	0.18
	Biji Nangka	805.12	53.79	267.21	290.46	193.54	0.12
	Daun Baharu	50.41	10.55	12.73	18.27	8.76	—
	Delah	29.03	—	—	24.38	4.85	—
	Duri/Pulutan/Utik	694.45	52.93	94.01	437.90	109.49	0.12
	Dengkis/Debam	111.60	2.54	23.59	43.85	41.38	0.24
	Gelama/Tengkerong	4,631.24	322.80	1,104.60	2,401.41	801.76	0.67
	Gerut-gerut	412.34	13.79	42.47	246.28	109.80	—
	Jenahak	240.56	0.18	7.87	164.18	67.00	1.33
	Kaci	97.57	0.24	5.30	55.09	36.58	0.36
	Kerapu	785.52	47.14	122.73	389.62	225.18	0.85
	Kerisi	7,209.65	94.12	1,400.95	3,587.19	2,123.45	3.94
	Kerisi Bali	56.31	—	1.45	35.62	19.24	—
	Kikek	418.28	36.83	157.64	110.59	113.22	—
	Malong	1,090.86	147.68	335.50	496.70	110.98	—
	Merah	683.88	8.60	82.39	344.66	245.09	3.14
	Mengkerong/Conor/Ubi	1,258.11	23.78	450.58	464.26	319.49	—
	Remong/Kunyit-kunyit	204.41	11.60	62.05	78.80	51.96	—
	Semilang	240.37	36.85	10.27	160.01	33.24	—
	Shrumbu/Lamah	2.30	—	—	2.30	—	—
	Puntong Damar/Bulus	544.76	44.61	122.61	241.28	136.26	—
	Pasir-pasir	110.75	0.85	12.43	51.62	45.85	—
34	Alu-alu/Kacang-kacang	894.68	13.78	170.55	482.75	227.48	0.12
	Aruan Tasik	87.74	—	6.29	65.80	15.65	—
	Bawal	1,599.16	38.88	180.87	1,133.82	243.11	2.48
	Belanak/Kedera	525.21	17.35	57.00	340.33	110.53	—
	Cerniv/Sagai/Cupak	161.33	9.31	54.64	62.31	34.41	0.66
	Cencaru	1,010.17	2.54	34.33	688.17	284.95	0.18
	Demudok/Rambai	596.36	0.48	24.13	309.93	261.70	0.12
	Kurau/Senangin/Senohong	197.58	20.99	75.79	85.47	15.33	—
	Pelata/Selar	605.25	5.63	26.92	368.78	203.80	0.12
	Selar Kuning/Lolong	2,575.33	8.21	350.66	1,178.49	1,037.18	0.79
	Selayang/Curut	229.11	—	3.45	47.81	177.85	—
	Pisang-pisang	46.95	5.93	27.10	10.95	2.97	—
	Talang	159.85	0.49	3.61	127.09	28.66	—
35	Billis	75.18	5.68	21.92	25.15	22.43	—
	Parang-parang	1,193.25	39.57	224.13	628.35	300.90	0.30
	Tamban	1,104.38	27.66	62.80	658.37	355.55	—
	Bulan-bulan	69.37	4.42	3.01	51.36	9.98	0.60
36	Aya/Kayu/Tongkol	11.80	—	3.81	6.11	1.88	—
	Layaran/Mersuji	49.12	—	0.97	24.86	23.29	—
37	Kembong/Temenong	14,051.61	23.29	248.49	10,160.46	3,619.31	0.06
	Tenggiri	823.44	6.66	36.64	552.09	227.81	0.24
	Timah/Layar/Selayor	1,597.20	18.38	342.23	877.08	359.39	0.12
38	Pari	1,546.50	124.72	462.94	683.87	274.67	0.30
	Yu	707.15	23.64	114.03	416.28	153.20	—
39	Ikan Baja	140,110.06	15,108.56	27,042.73	74,429.44	23,489.64	39.69
	Ikan Campur	2,200.77	280.55	710.20	753.99	455.91	0.12
	Jebong	209.37	4.95	22.79	108.07	75.56	—
42	Ketam	1,375.51	242.78	359.56	543.60	228.84	0.73
45	Udang Karang/Lobok	114.24	11.60	45.74	42.35	14.43	0.12
	Udang Besar	1,705.85	256.40	629.30	591.18	228.67	0.30
	Udang Sedang	7,145.74	2,808.07	2,073.38	1,803.00	460.26	1.03
	Udang Kecil	15,638.83	5,945.45	5,620.62	3,302.61	770.15	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	357.42	8.59	134.54	133.20	81.03	0.06
	Sotong Katak	2,591.46	283.98	662.89	1,170.31	493.85	0.43
	Sotong Biasa	8,858.36	293.40	1,068.37	4,926.83	2,365.76	4.00
76	Ubur-ubur	1,008.47	647.31	189.84	165.03	6.29	—
Total		234,271.55	27,449.52	46,646.29	118,179.31	41,932.61	63.82

PANTAI BARAT, SEMENANJUNG MALAYSIA
WEST COAST, PENINSULAR MALAYSIA

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH , 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	5,321	2,725	1,370	972	254	—
	No. of trips	1,492,406	813,055	380,159	245,239	53,953	—
	No. of days	1,576,500	813,892	414,331	279,850	68,427	—
	No. of hauls	4,258,162	2,182,620	1,127,442	776,683	171,417	—
	No. of trawling hours	12,696,816	6,513,315	3,380,796	2,288,454	514,251	—
	<i>Species:</i>	<i>M. Tonnes:</i>					
24	Kebasi/Selangat	467.89	17.00	75.96	275.98	98.95	—
	Puput/B. Mata/Tirok	334.22	38.09	88.87	165.53	41.73	—
	Terubok	1.51	—	0.30	1.15	0.06	—
25	Siakap	1.02	0.24	0.42	0.06	0.30	—
31	Lidah	2,335.34	165.90	949.94	957.79	261.71	—
	Sebelah	169.95	19.43	10.41	107.70	32.41	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	404.04	26.31	69.74	170.11	137.88	—
	Daun Baharu	19.59	7.19	3.08	5.15	4.17	—
	Delah	28.97	—	—	24.38	4.59	—
	Duri/Pulutan/Utik	519.66	48.88	62.16	322.85	85.77	—
	Dengkis/Debam	11.13	—	—	10.83	0.30	—
	Gelama/Tengkerong	3,939.29	265.39	846.95	2,169.64	657.31	—
	Gerut-gerut	385.56	11.13	27.59	239.40	107.44	—
	Jenahak	219.75	0.18	6.12	156.97	56.48	—
	Kaci	60.80	—	0.48	39.52	20.80	—
	Kerapu	709.72	42.08	88.56	367.32	211.76	—
	Kerisi	5,466.25	31.09	890.52	2,889.14	1,655.50	—
	Kerisi Bali	36.05	—	1.27	15.54	19.24	—
	Kikek	115.57	—	1.21	29.69	84.67	—
	Malong	1,089.36	147.68	334.84	496.22	110.62	—
	Merah	506.64	0.67	23.52	291.55	190.90	—
	Mengkerong/Conor/Ubi	1,182.14	19.12	421.25	431.72	310.05	—
	Remong/Kunyit-kunyit	59.04	—	0.54	27.41	31.09	—
	Semilang	231.24	36.85	9.91	151.24	33.24	—
	Shrumbu/Lemah	0.42	—	—	0.42	—	—
	Puntong Damar/Bulus	139.58	4.32	21.77	79.05	34.44	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	637.60	5.51	53.01	396.11	182.97	—
	Aruan Tasik	83.44	—	6.23	63.14	14.07	—
	Bawal	1,516.01	35.99	164.89	1,099.73	215.40	—
	Belanak/Kedera	525.21	17.35	57.00	340.33	110.53	—
	Cermin/Sagai/Cupak	36.90	2.17	11.73	16.94	6.06	—
	Cencaru	1,008.97	2.54	34.27	687.75	284.41	—
	Demudok/Rambai	573.20	—	15.61	300.74	256.85	—
	Kurau/Senangin/Senohong	196.74	20.69	75.79	85.05	15.21	—
	Pelata/Selar	517.31	5.27	11.31	329.79	170.94	—
	Selar Kuning/Lolong	365.18	2.59	16.95	190.89	154.75	—
	Selayang/Curut	223.49	—	—	46.18	177.31	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	156.80	0.13	3.43	125.22	27.82	—
35	Billis	52.01	5.26	13.68	15.48	17.59	—
	Parang-parang	1,082.77	27.04	179.59	593.33	282.81	—
	Tamban	1,086.91	27.30	59.35	648.46	351.80	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	11.58	—	3.57	6.11	1.88	—
	Layaran/Mersuji	49.00	—	0.97	24.74	23.29	—
37	Kembong/Temenong	14,013.80	23.17	243.83	10,140.99	3,605.81	—
	Tenggiri	782.86	5.39	27.52	534.01	215.94	—
	Timah/Layor/Selayor	1,470.64	13.17	267.23	846.22	344.02	—
38	Pari	1,161.29	87.84	366.73	498.88	207.84	—
	Yu	549.93	9.38	61.29	364.05	115.21	—
39	Ikan Baja	120,956.33	12,711.24	19,181.64	68,413.99	20,649.46	—
	Ikan Campur	1,339.36	164.02	243.45	545.70	386.19	—
	Jebong	189.03	3.93	16.44	98.42	70.24	—
42	Ketam	1,009.07	127.80	234.68	463.31	183.28	—
45	Udang Karang/Lobok	1.68	—	—	1.02	0.66	—
	Udang Besar	1,184.56	194.61	437.47	437.24	115.24	—
	Udang Sedang	6,481.99	2,694.20	1,805.58	1,630.29	351.92	—
	Udang Kecil	14,338.44	5,766.69	5,103.74	2,954.78	513.23	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	346.89	8.47	132.30	129.39	76.73	—
	Sotong Katak	1,920.60	165.98	454.76	927.57	372.29	—
	Sotong Biasa	6,621.70	178.11	490.19	4,090.66	1,862.74	—
76	Ubur-ubur	1,008.47	647.31	189.84	165.03	6.29	—
	TOTAL	199,934.27	23,834.70	33,899.48	106,637.90	35,562.19	—

PANTAI TIMUR, SEMENANJUNG MALAYSIA
EAST COAST, PENINSULAR MALAYSIA

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	1,042	342	405	207	81	7
	No. of trips	261,069	95,6070	106,770	44,251	14,271	170
	No. of days	281,420	95,985	112,533	54,196	18,436	270
	No. of hauls	734,154	254,403	300,740	133,734	44,809	468
	No. of trawling hours	1,971,198	649,584	794,340	395,163	130,647	1,464
	<i>Species:</i>	<i>M. Tonnes:</i>					
24	Kebasi/Selangat	33.34	2.23	11.74	13.07	6.30	—
	Puput/B. Mata/Tirok	49.48	3.08	13.39	16.70	16.25	0.06
	Terubok	—	—	—	—	—	—
25	Siakap	0.06	—	—	0.06	—	—
31	Lidah	73.99	13.47	38.10	15.99	6.37	0.06
	Sebelah	90.76	11.36	43.66	26.62	8.94	0.18
33	Bayan	2.67	0.49	0.85	0.90	0.25	0.18
	Biji Nangka	401.08	27.48	197.47	120.35	55.66	0.12
	Daun Baharu	30.82	3.46	9.65	13.12	4.59	—
	Delah	0.06	—	—	—	0.06	—
	Duri/Pulutan/Utik	174.79	4.05	31.85	115.05	23.72	0.12
	Dengkis/Debam	100.47	2.54	23.59	33.02	41.08	0.24
	Gelama/Tengkerong	691.95	57.41	257.65	231.77	144.45	0.67
	Gerut-gerut	26.78	2.66	14.88	6.88	2.36	—
	Jenahak	20.81	—	1.75	7.21	10.52	1.33
	Kaci	36.77	0.24	4.82	15.57	15.78	0.36
	Kerapu	75.80	5.06	34.17	22.30	13.42	0.85
	Kerisi	1,743.40	63.03	510.43	688.05	467.95	3.94
	Kerisi Bali	20.26	—	0.18	20.08	—	—
	Kikek	302.71	36.83	156.43	80.90	28.55	—
	Malong	1.50	—	0.66	0.48	0.36	—
	Merah	177.24	7.93	58.87	53.11	54.19	3.14
	Mengkerong/Conor/Ubi	75.97	4.66	29.33	32.54	9.44	—
	Remong/Kunyit-kunyit	145.37	11.60	61.51	51.39	20.87	—
	Semilang	9.13	—	0.36	8.77	—	—
	Shrumbu/Lamah	1.88	—	—	1.88	—	—
	Puntong Damar/Bulos	405.18	40.29	100.84	162.23	101.82	—
	Pasir-pasir	110.75	0.85	12.43	51.62	45.85	—
34	Alu-alu/Kacang-kacang	257.08	8.27	117.54	86.64	44.51	0.12
	Aruan Tasik	4.30	—	0.06	2.66	1.58	—
	Bawal	83.15	2.89	15.98	34.09	27.71	2.48
	Belanak/Kedera	—	—	—	—	—	—
	Cermin/Sagai/Cupak	124.43	7.14	42.91	45.37	28.35	0.66
	Cencaru	1.20	—	0.06	0.42	0.54	0.18
	Demudok/Rambai	23.16	0.48	8.52	9.19	4.85	0.12
	Kurau/Senangin/Senohong	0.84	0.30	—	0.42	0.12	—
	Pelata/Selar	87.94	0.36	15.61	38.99	32.86	0.12
	Selar Kuning/Lolong	2,210.15	5.62	333.71	987.60	882.43	0.79
	Selayang/Curut	5.62	—	3.45	1.63	0.54	—
	Pisang-pisang	46.95	5.93	27.10	10.95	2.97	—
	Talang	3.25	0.36	0.18	1.87	0.84	—
35	Blilis	23.17	0.42	8.24	9.67	4.84	—
	Parang-parang	110.48	12.53	44.54	35.02	18.09	0.30
	Tamban	17.47	0.36	3.45	9.91	3.75	—
	Bulan-bulan	69.37	4.42	3.01	51.36	9.98	0.60
36	Aya/Kayu/Tongkol	0.24	—	0.24	—	—	—
	Layaran/Mersuji	0.12	—	—	0.12	—	—
37	Kembong/Temenong	37.81	0.12	4.66	19.47	13.50	0.06
	Tenggiri	40.58	1.27	9.12	18.08	11.87	0.24
	Timah/Layor/Selayor	125.56	5.21	75.00	30.86	15.37	0.12
38	Pari	385.21	36.88	96.21	184.99	66.83	0.30
	Yu	157.22	14.26	52.74	52.23	37.89	—
39	Ikan Baja	19,153.73	2,397.32	7,861.09	6,015.45	2,840.18	39.69
	Ikan Campur	861.41	116.53	466.75	208.29	69.72	0.12
	Jebong	20.34	1.02	6.35	7.65	5.32	—
42	Ketam	366.44	114.98	124.88	80.29	45.56	0.73
45	Udang Karang/Lobok	112.56	11.50	45.74	41.33	13.77	0.12
	Udang Besar	521.29	61.79	191.83	153.94	113.43	0.30
	Udang Sedang	663.75	113.87	267.80	172.71	108.34	1.03
	Udang Kecil	1,300.39	178.76	516.88	347.83	256.92	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	10.53	0.12	2.24	3.81	4.30	0.06
	Sotong Katak	670.86	98.00	208.13	242.74	121.56	0.43
	Sotong Biasa	2,036.66	115.29	578.18	836.17	503.02	4.00
76	Ubur-ubur	—	—	—	—	—	—
	TOTAL	34,337.28	3,614.82	12,746.81	11,541.41	6,370.42	63.82

PERLIS

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN, 1981
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH , 1981

ISSCAP GROUP NO.	Fishing Effort	Total	Tonnage Class				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	229	93	86	45	5	—
	No. of trips	42,003	20,739	14,964	5,670	630	—
	No. of days	53,128	21,576	19,952	10,440	1,160	—
	No. of hauls	159,384	64,728	59,856	31,320	3,480	—
	No. of trawling hours	478,152	194,184	179,568	93,960	10,440	—
Species:		M. Tonnes:					
24	Kebasi/Selangat	—	—	—	—	—	—
	Puput/B. Mata/Tirok	—	—	—	—	—	—
	Terubok	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—
31	Lidah	183.97	19.64	48.90	103.15	12.28	—
	Sebelah	7.75	—	—	4.82	2.93	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—
	Deleh	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	—	—	—
	Dengkis/Debam	—	—	—	—	—	—
	Gelama/Tengkerong	144.46	2.28	21.47	112.71	8.00	—
	Gerut-gerut	24.74	—	—	16.80	7.94	—
	Jenahak	—	—	—	—	—	—
	Kaci	—	—	—	—	—	—
	Kerapu	33.81	—	—	22.83	10.88	—
	Kerisi	32.30	—	—	24.63	7.67	—
	Kerisi Bali	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—
	Malong	45.56	—	7.89	32.02	5.65	—
	Merah	—	—	—	—	—	—
	Mengkerong/Conor/Ubi	—	—	—	—	—	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	12.60	2.93	3.50	3.92	2.25	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	—	—	—	—	—	—
	Aruan Tasik	—	—	—	—	—	—
	Bawal	31.96	—	8.36	17.85	5.75	—
	Belanak/Kedera	—	—	—	—	—	—
	Cermin/Sagai/Cupak	—	—	—	—	—	—
	Cencaru	—	—	—	—	—	—
	Demudok/Rambai	—	—	—	—	—	—
	Kurau/Senangin/Senohong	—	—	—	—	—	—
	Pelata/Selar	—	—	—	—	—	—
	Selar Kuning/Lolong	—	—	—	—	—	—
	Selayang/Curut	—	—	—	—	—	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	—	—	—	—	—	—
35	Bilis	—	—	—	—	—	—
	Parang-parang	147.49	11.32	46.80	79.94	9.43	—
	Tamban	—	—	—	—	—	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	—	—	—	—	—	—
	Tenggiri	27.00	—	—	19.73	7.27	—
	Timah/Layor/Selayor	57.77	3.07	14.95	33.72	6.03	—
38	Pari	48.15	—	—	40.04	8.11	—
	Yu	—	—	—	—	—	—
	Ikan Baja	5,842.53	2,185.06	2,075.70	1,471.77	130.00	—
	Ikan Campur	38.96	11.70	13.38	9.86	4.02	—
	Jebong	—	—	—	—	—	—
42	Ketam	113.00	16.80	38.06	42.59	15.55	—
45	Udang Karang/Lobok	—	—	—	—	—	—
	Udang Besar	180.46	23.95	54.58	93.02	8.91	—
	Udang Sedang	456.98	111.24	143.51	180.88	21.35	—
	Udang Kecil	788.09	149.77	205.45	398.37	36.50	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—
	Sotong Katak	140.84	39.75	47.25	44.28	9.56	—
	Sotong Biasa	130.51	16.27	36.84	47.61	29.79	—
76	Ubur-ubur	—	—	—	—	—	—
TOTAL		8,488.93	2,573.78	2,766.64	2,798.64	349.87	—

KEDAH

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	885	329	170	295	91	—
	No. of trips	239,811	87,514	46,580	81,420	24,297	—
	No. of days	239,811	87,514	46,580	81,420	24,297	—
	No. of hauls	719,433	262,542	139,740	244,260	72,891	—
	No. of trawling hours	2,080,629	753,081	417,690	691,185	218,673	—
<i>Species:</i>							
	<i>M. Tonnes:</i>						
24	Kebasi/Selangat	218.87	10.94	7.14	123.30	77.49	—
	Puput/B. Mata/Tirok	89.58	0.30	—	76.09	13.19	—
	Terubok	—	—	—	—	—	—
25	Siakap	0.30	—	—	—	0.30	—
31	Lidah	1,371.92	37.62	662.50	459.88	211.92	—
	Sebelah	110.05	11.98	7.21	76.88	13.98	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	3.69	—	—	2.97	0.72	—
	Daun Baharu	4.24	—	—	1.03	3.21	—
	Delah	1.64	—	—	1.46	0.18	—
	Duri/Pulutan/Utik	307.17	29.77	10.48	221.48	45.44	—
	Dengkis/Debam	0.18	—	—	—	0.18	—
	Gelama/Tengkerong	1,781.03	63.16	269.23	997.08	451.56	—
	Gerut-gerut	191.66	10.71	9.80	119.67	51.48	—
	Jenahak	86.95	—	—	70.54	16.41	—
	Kaci	25.17	—	—	25.05	0.12	—
	Kerapu	345.50	39.73	76.82	159.73	69.22	—
	Kerisi	2,606.64	31.09	848.65	1,342.34	384.56	—
	Kerisi Ball	—	—	—	—	—	—
	Kikek	2.95	—	—	0.42	2.53	—
	Malong	498.86	41.13	121.41	264.26	72.06	—
	Merah	87.30	0.24	0.54	66.67	19.85	—
	Mengkerong/Conor/Ubi	597.70	11.07	349.13	130.90	106.60	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—
	Semilang	175.78	19.60	4.47	129.10	22.61	—
	Shrumbu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	82.95	0.24	0.54	61.66	20.51	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	305.33	0.48	6.28	202.19	96.38	—
	Aruan Tasik	74.72	—	6.23	58.70	9.79	—
	Bawal	997.51	—	3.45	833.63	160.43	—
	Belanak/Kedera	253.12	—	—	170.35	82.77	—
	Cernin/Sagai/Cupak	—	—	—	—	—	—
	Cencaru	626.07	—	—	423.95	202.12	—
	Demudok/Rambai	168.07	—	0.42	74.66	92.99	—
	Kurau/Senangin/Senohong	14.05	—	0.72	5.93	7.40	—
	Palata/Selar	303.22	—	1.69	191.65	109.88	—
	Selar Kuning/Lolong	107.53	—	—	79.04	28.49	—
	Selayang/Curut	32.00	—	—	17.67	14.33	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	137.69	—	—	110.35	27.34	—
35	Bilis	32.29	—	—	14.70	17.59	—
	Parang-parang	502.62	—	36.00	262.99	203.63	—
	Tamban	882.89	1.46	6.35	551.75	323.33	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	4.60	—	3.57	0.30	0.73	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	11,927.03	3.51	3.61	8,746.82	3,173.09	—
	Tenggiri	482.74	—	—	330.55	152.19	—
	Timah/Layor/Selayor	696.06	—	24.14	456.81	215.11	—
38	Pari	335.65	2.96	123.24	139.81	69.64	—
	Yu	218.04	—	5.75	161.95	48.34	—
39	Ikan Baja	72,388.76	2,286.22	8,589.76	49,096.38	12,416.40	—
	Ikan Campur	433.14	35.38	40.04	231.18	126.54	—
	Jebong	65.03	3.75	5.20	43.50	12.58	—
42	Ketam	480.39	39.56	89.78	222.13	128.92	—
45	Udang Karang/Lobok	—	—	—	—	—	—
	Udang Besar	555.33	41.37	211.31	210.47	92.18	—
	Udang Sedang	1,910.10	377.81	305.68	927.28	299.33	—
	Udang Kecil	3,800.76	726.13	1,203.69	1,446.33	424.61	—
	Udang Baring	—	—	—	—	—	—
	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	344.53	8.47	132.30	127.03	76.73	—
	Sotong Katak	804.94	43.61	209.25	345.06	207.02	—
	Sotong Biasa	4,447.27	49.98	88.52	2,901.45	1,407.32	—
76	Ubur-ubur	—	—	—	—	—	—
TOTAL		111,919.61	3,928.27	13,464.90	72,715.12	21,811.32	—

PULAU PINANG
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISCAAP GROUP NO.	Fishing Effort	Total	Tonnage Class				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	176	—	—	152	24	—
	No. of trips	50,440	—	—	47,272	3,168	—
	No. of days	50,440	—	—	47,272	3,168	—
	No. of hauls	182,608	—	—	169,936	12,672	—
	No. of trawling hours	547,824	—	—	509,808	38,016	—
<i>Species:</i>							
	<i>M. Tonnes:</i>						
24	Kebasi/Selangat	27.42	—	—	24.30	3.12	—
	Puput/B. Mata/Tirok	21.42	—	—	19.59	2.83	—
	Terubok	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—
31	Lidah	71.84	—	—	67.58	4.26	—
	Sebelah	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	36.91	—	—	33.54	3.37	—
	Daun Baharu	—	—	—	—	—	—
	Delah	—	—	—	—	—	—
	Duri/Pulutan/Utik	21.49	—	—	21.43	0.06	—
	Dengkis/Debam	—	—	—	—	—	—
	Galama/Tengkerong	355.71	—	—	333.65	22.06	—
	Gerut-gerut	11.70	—	—	9.80	1.90	—
	Jenahak	10.23	—	—	8.63	1.60	—
	Kaci	—	—	—	—	—	—
	Kerapu	20.20	—	—	18.62	1.58	—
	Kerisi	113.27	—	—	103.32	10.95	—
	Kerisi Bali	—	—	—	—	—	—
	Kikek	0.54	—	—	0.54	—	—
	Malong	64.77	—	—	63.20	1.57	—
	Merah	0.60	—	—	0.60	—	—
	Mengkerong/Conor/Ubl	76.22	—	—	71.18	5.04	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—
	Semilang	1.21	—	—	1.21	—	—
	Shrumbu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	2.93	—	—	2.33	0.60	—
	Aruan Tasik	—	—	—	—	—	—
	Bawal	56.55	—	—	52.58	3.97	—
	Belanak/Kedera	26.28	—	—	19.93	6.36	—
	Cermin/Sagai/Cupak	9.14	—	—	7.60	1.54	—
	Cencaru	5.13	—	—	4.89	0.24	—
	Demudok/Rambai	—	—	—	—	—	—
	Kurau/Senangin/Senchong	0.79	—	—	0.73	0.06	—
	Palata/Selar	14.95	—	—	13.25	1.70	—
	Selar Kuning/Lolong	—	—	—	—	—	—
	Selayang/Curut	—	—	—	—	—	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	—	—	—	—	—	—
35	Bilis	—	—	—	—	—	—
	Parang-parang	66.45	—	—	57.52	8.93	—
	Tamban	54.75	—	—	50.54	4.21	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	72.93	—	—	61.86	11.07	—
	Tenggiri	33.00	—	—	29.03	3.97	—
	Timah/Layor/Selayor	116.26	—	—	102.70	13.56	—
38	Pari	5.20	—	—	4.78	0.42	—
	Yu	13.19	—	—	12.64	0.55	—
39	Ikan Baja	2,403.32	—	—	2,260.44	142.88	—
	Ikan Campur	72.44	—	—	66.59	5.85	—
	Jebong	—	—	—	—	—	—
42	Ketam	85.19	—	—	80.50	4.69	—
45	Udang Karang/Lobok	—	—	—	—	—	—
	Udang Besar	29.89	—	—	29.47	0.42	—
	Udang Sedang	160.02	—	—	154.55	5.47	—
	Udang Kecil	395.76	—	—	383.89	11.87	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	2.36	—	—	2.36	—	—
	Sotong Katak	134.71	—	—	130.89	3.82	—
	Sotong Biasa	389.30	—	—	353.20	36.10	—
76	Ubur-ubur	—	—	—	—	—	—
	Total	4,984.08	—	—	4,657.46	326.62	—

PERAK

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAP GROUP NO.	Fishing Effort	Total	Tonnage Class				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	2,301	1,442	512	263	84	—
	No. of trips	618,147	432,600	127,488	46,551	11,508	—
	No. of days	693,624	432,600	156,672	78,900	25,452	—
	No. of hauls	1,633,815	1,077,174	382,464	139,653	34,524	—
	No. of trawling hours	4,901,445	3,231,522	1,147,392	418,959	103,572	—
<i>Species: M. Tonnes:</i>							
24	Kebasi/Selangat	204.36	—	59.03	126.99	18.34	—
	Puput/B. Mata/Tirok	104.85	—	14.52	64.74	25.59	—
	Terubok	1.27	—	0.06	1.15	0.06	—
25	Siakap	0.30	—	0.24	0.06	—	—
31	Lidah	58.77	9.37	26.03	16.10	7.27	—
	Sebelah	39.58	5.93	2.90	18.87	13.88	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	302.29	—	38.11	130.39	133.79	—
	Daun Baharu	5.26	—	0.36	3.94	0.96	—
	Delah	27.33	—	—	22.92	4.41	—
	Duri/Pulutan/Utik	83.29	—	5.14	41.69	36.46	—
	Dengkis/Debam	10.95	—	—	10.83	0.12	—
	Galama/Tengkerong	685.29	8.47	164.60	381.31	130.91	—
	Gerut-gerut	101.16	—	12.83	49.60	38.73	—
	Jenahak	64.30	—	0.06	31.34	32.90	—
	Kaci	35.63	—	0.48	14.47	20.68	—
	Kerapu	235.93	—	7.02	108.33	120.58	—
	Kerisi	2,620.21	—	31.34	1,347.50	1,241.37	—
	Kerisi Bali	36.05	—	1.27	15.54	19.24	—
	Kikek	98.12	—	1.21	15.85	81.06	—
	Malong	83.18	7.87	29.05	26.41	19.85	—
	Merah	325.43	—	10.88	154.88	159.67	—
	Mengkerong/Conor/Ubi	435.69	—	49.06	194.50	192.13	—
	Ramong/Kunyit-kunyit	59.04	—	0.54	27.41	31.09	—
	Semilang	39.32	14.17	1.99	14.04	9.12	—
	Shrumbu/Lamah	0.42	—	—	0.42	—	—
	Puntong Damar/Bulus	44.03	1.15	17.73	13.47	11.68	—
	Pasir-pasir	—	—	—	—	—	—
34	Ayu-ayu/Kacang-kacang	200.00	—	14.82	109.05	76.13	—
	Aruan Tasik	8.72	—	—	4.44	4.28	—
	Bawal	200.41	8.03	80.89	76.81	34.68	—
	Belanak/Kedera	134.92	4.60	24.81	69.97	15.54	—
	Cermin/Sagal/Cupek	5.74	—	—	1.94	3.80	—
	Cancaru	233.03	—	13.54	154.34	65.15	—
	Demudok/Rambai	404.65	—	15.19	225.60	163.86	—
	Kurau/Senangin/Senohong	4.35	—	0.12	2.96	1.27	—
	Palata/Setar	124.39	—	0.79	75.06	48.54	—
	Selar Kuning/Lolong	214.34	—	1.09	87.17	126.08	—
	Selayang/Curut	157.06	—	—	—	157.06	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	15.84	—	1.33	14.09	0.42	—
35	Bilis	—	—	—	—	—	—
	Parang-parang	152.35	—	22.92	80.23	49.20	—
	Tamban	66.37	—	2.72	39.57	24.08	—
	Bulan-bulan	—	—	—	—	—	—
38	Aya/Kayu/Tongkol	8.96	—	—	5.81	1.15	—
	Layaran/Mersuji	49.00	—	0.97	24.74	23.29	—
37	Kembong/Temenong	1,693.76	—	171.50	1,128.92	393.34	—
	Tanggiri	133.88	—	16.09	70.89	46.90	—
	Timah/Layor/Selayor	577.09	—	215.44	252.33	109.32	—
38	Pari	320.57	1.63	34.24	172.43	112.27	—
	Yu	144.41	1.21	10.59	75.19	57.42	—
39	Ikan Baja	20,180.58	1,701.16	2,011.80	8,996.30	7,471.32	—
	Ikan Campur	602.36	44.53	73.82	234.13	249.78	—
	Jebong	122.44	—	9.98	54.80	57.66	—
42	Ketam	147.06	48.09	42.04	32.25	24.68	—
45	Udang Karang/Lobok	1.88	—	—	—1.02	0.66	—
	Udang Besar	177.18	59.47	85.30	24.73	7.68	—
	Udang Sedang	2,486.03	1,492.51	970.23	22.51	0.78	—
	Udang Kecil	4,967.75	2,916.39	1,998.54	52.45	0.37	—
	Udang Baring	—	—	—	—	—	—
	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—
	Sotong Katak	405.25	0.67	53.24	219.65	131.69	—
	Sotong Biasa	1,099.89	21.96	176.48	537.45	364.00	—
76	Ubur-ubur	—	—	—	—	—	—
	Total	40,740.11	6,347.21	6,523.03	15,697.58	12,172.29	—

SELANGOR

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAP GROUP NO.	Fishing Effort	Total	Tonnage Class				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	1,359	651	449	209	50	—
	No. of trips	408,445	196,602	136,047	61,446	14,350	—
	No. of days	405,937	196,602	136,047	58,938	14,350	—
	No. of hauls	1,230,135	589,806	408,141	184,338	47,850	—
	No. of trawling hours	3,690,405	1,769,418	1,224,423	553,014	143,550	—
Species:							
M. Tonnes:							
24	Kebasi/Selangat	—	—	—	—	—	—
	Puput/B. Mata/Tirok	1.51	—	—	1.39	0.12	—
	Terubok	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—
31	Lidah	624.88	88.75	199.25	310.90	25.98	—
	Sebelah	12.57	1.52	0.30	9.13	1.62	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—
	Delah	—	—	—	—	—	—
	Duri/Pulutan/Utik	50.17	0.48	9.32	36.56	3.81	—
	Dengkis/Debam	—	—	—	—	—	—
	Gelama/Tengkerong	718.40	101.03	232.78	339.81	44.78	—
	Garut-garut	54.01	—	3.09	43.53	7.39	—
	Jenahak	54.21	—	2.48	46.16	5.57	—
	Kaci	—	—	—	—	—	—
	Kerapu	69.69	—	2.90	57.29	9.50	—
	Kerisi	93.83	—	10.53	72.35	10.95	—
	Kerisi Bali	—	—	—	—	—	—
	Kikek	13.96	—	—	12.88	1.08	—
	Malong	188.39	10.89	58.33	107.68	11.49	—
	Merah	89.97	—	9.31	69.28	11.38	—
	Mengkerong/Conor/Ubi	48.21	0.12	8.11	33.70	6.28	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—
	Semilang	14.93	3.08	3.45	6.89	1.51	—
	Shrumbu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	124.44	4.07	28.21	82.30	9.86	—
	Aruan Tasik	—	—	—	—	—	—
	Bawal	152.02	3.32	22.82	115.31	10.57	—
	Belanak/Kedera	110.70	12.75	32.01	60.08	5.86	—
	Cermin/Sagai/Cupak	12.47	—	5.38	6.37	0.72	—
	Cencaru	137.66	0.55	18.44	103.97	16.90	—
	Demudok/Rambai	0.48	—	—	0.48	—	—
	Kurau/Senangin/Senohong	100.13	0.85	18.93	73.87	6.48	—
	Palata/Selar	70.22	3.21	6.72	49.47	10.82	—
	Selar Kuning/Lolong	23.05	—	—	22.87	0.18	—
	Selayang/Curut	34.43	—	—	28.51	5.92	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	0.66	—	—	0.60	0.06	—
35	Billis	—	—	—	—	—	—
	Parang-parang	154.46	0.24	32.30	110.30	11.62	—
	Tamban	3.33	—	—	3.15	0.18	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	320.08	19.66	68.72	203.39	28.31	—
	Tenggiri	89.29	0.12	0.54	83.02	5.61	—
	Timah/Layor/Selayor	0.46	—	0.12	0.36	—	—
38	Pari	209.73	3.63	50.81	137.89	17.40	—
	Yu	152.15	2.00	27.40	113.85	8.90	—
39	Ikan Baja	15,985.84	4,832.48	4,165.11	6,499.39	488.86	—
	Ikan Campur	—	—	—	—	—	—
	Jebong	—	—	—	—	—	—
42	Ketam	182.04	23.11	63.71	85.78	9.44	—
45	Udang Karang/Lobok	—	—	—	—	—	—
	Udang Besar	167.76	41.02	43.38	77.31	6.05	—
	Udang Sedang	1,357.11	664.61	325.89	341.62	24.99	—
	Udang Kecil	2,271.44	986.80	594.56	650.20	39.88	—
	Udang Baring	—	—	—	—	—	—
	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Karata	—	—	—	—	—	—
	Sotong Katak	342.17	45.13	91.23	185.61	20.20	—
	Sotong Biasa	386.01	28.67	84.86	246.95	25.53	—
76	Ubur-ubur	1,008.47	647.31	189.84	165.03	6.29	—
Total		25,431.55	7,525.40	6,408.83	10,595.23	902.09	—

JOHORE BARAT/WEST JOHORE
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	371	210	153	8	—	—
	No. of trips	133,560	75,600	55,080	2,880	—	—
	No. of days	133,560	75,600	55,080	2,880	—	—
	No. of hauls	332,787	188,370	137,241	7,176	—	—
	No. of trawling hours	996,361	565,110	411,723	21,528	—	—
<i>Species:</i>							
	<i>M. Tonnes:</i>						
24	Kebasi/Selangat	17.24	6.06	9.79	1.39	—	—
	Puput/B. Mata/Tirok	116.86	37.79	74.35	4.72	—	—
	Terubok	0.24	—	0.24	—	—	—
25	Siakap	0.42	0.24	0.18	—	—	—
31	Lidah	23.96	10.52	13.26	0.18	—	—
	Sebelah	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—
	Biji Nangka	61.15	26.31	31.63	3.21	—	—
	Daun Baharu	10.09	7.19	2.72	0.18	—	—
	Delah	—	—	—	—	—	—
	Duri/Pulutan/Utik	57.54	18.83	37.22	1.69	—	—
	Dengkis/Debam	—	—	—	—	—	—
	Gelama/Tengerong	254.40	90.45	158.87	5.08	—	—
	Gerut-gerut	2.29	0.42	1.87	—	—	—
	Janshak	4.06	0.18	3.58	0.30	—	—
	Kaci	—	—	—	—	—	—
	Kerapu	4.59	2.35	1.82	0.42	—	—
	Kerisi	—	—	—	—	—	—
	Kerisi Bali	—	—	—	—	—	—
	Kikok	—	—	—	—	—	—
	Malong	208.60	87.79	118.16	2.65	—	—
	Merah	3.34	0.43	2.79	0.12	—	—
	Mengkerong/Conor/Ubi	24.32	7.93	14.95	1.44	—	—
	Remong/Kunyit-kunyit	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—
	Shrubu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	4.90	0.96	3.70	0.24	—	—
	Aruan Tasik	—	—	—	—	—	—
	Bawal	77.56	24.64	49.37	3.55	—	—
	Belanak/Kedera	0.18	—	0.18	—	—	—
	Cermin/Sagai/Cupak	9.55	2.17	6.35	1.03	—	—
	Cencaru	6.88	1.99	4.29	0.60	—	—
	Demudok/Rambai	—	—	—	—	—	—
	Kurau/Senangin/Senohong	77.42	19.84	56.02	1.56	—	—
	Pelata/Selar	4.53	2.06	2.11	0.36	—	—
	Selar Kuning/Lolong	20.26	2.59	15.86	1.81	—	—
	Selayang/Curut	—	—	—	—	—	—
	Pisang-pisang	—	—	—	—	—	—
	Talang	2.41	0.13	2.10	0.18	—	—
35	Billis	19.72	5.26	13.68	0.78	—	—
	Parang-parang	59.40	15.48	41.57	2.35	—	—
	Tamban	79.57	25.84	50.28	3.45	—	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	—	—	—	—	—	—
	Tenggiri	16.95	5.27	10.89	0.79	—	—
	Timah/Layar/Selayor	22.98	10.10	12.58	0.30	—	—
38	Parl	241.99	79.62	158.44	3.93	—	—
	Yu	24.14	6.17	17.55	0.42	—	—
39	Ikan Baja	4,155.30	1,726.32	2,339.27	89.71	—	—
	Ikan Campur	192.46	72.41	116.11	3.94	—	—
	Jebong	1.56	0.18	1.26	0.12	—	—
42	Ketam	1.39	0.24	1.09	0.06	—	—
45	Udang Karang/Lobok	—	—	—	—	—	—
	Udang Besar	73.94	28.80	42.90	2.24	—	—
	Udang Sedang	111.75	48.03	60.27	3.45	—	—
	Udang Kecil	2,114.64	987.60	1,101.50	25.54	—	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—
	Sotong Katak	92.69	36.82	53.79	2.08	—	—
	Sotong Biasa	168.72	61.23	103.49	4.00	—	—
76	Ubur-ubur	—	—	—	—	—	—
TOTAL ..		8,389.99	3,460.04	4,736.08	173.87	—	—

KELANTAN

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	108	—	88	20	—	—
	No. of trips	23,460	—	20,240	3,220	—	—
	No. of days	23,460	—	20,240	3,220	—	—
	No. of hauls	58,600	—	51,040	7,560	—	—
	No. of trawling hours	174,720	—	153,120	21,600	—	—
<i>Species:</i>							
		<i>M. Tonnes:</i>					
24	Kebasi/Selangat	—	—	—	—	—	—
	Puput/B. Mata/Trok	—	—	—	—	—	—
	Terubok	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—
31	Lidah	0.30	—	—	0.30	—	—
	Sebelah	13.01	—	8.17	4.84	—	—
33	Bayan	0.67	—	0.67	—	—	—
	Biji Nangka	80.29	—	62.26	18.03	—	—
	Daun Baharu	0.90	—	0.90	—	—	—
	Delah	—	—	—	—	—	—
	Duri/Pulutan/Utik	16.63	—	12.28	4.35	—	—
	Dengkis/Debam	1.03	—	0.78	0.25	—	—
	Gelama/Tengkerong	98.57	—	78.47	20.10	—	—
	Gerut-gerut	7.43	—	5.26	2.17	—	—
	Jenahak	—	—	—	—	—	—
	Kaci	0.55	—	0.06	0.49	—	—
	Kerapu	2.35	—	0.42	1.93	—	—
	Kerisi	114.29	—	79.93	34.36	—	—
	Kerisi Bali	—	—	—	—	—	—
	Kikek	73.81	—	55.96	17.85	—	—
	Malong	0.42	—	0.42	—	—	—
	Merah	2.91	—	2.48	0.43	—	—
	Mengkerong/Conor/Ubi	—	—	—	—	—	—
	Remong/Kunyit-kunyit	26.74	—	18.92	7.82	—	—
	Semilang	0.36	—	0.36	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	69.88	—	61.05	8.83	—	—
	Aruan Tasik	—	—	—	—	—	—
	Bawal	9.00	—	5.98	3.02	—	—
	Belanak/Kedera	—	—	—	—	—	—
	Cemini/Sagal/Cupak	5.20	—	5.20	—	—	—
	Cencaru	—	—	—	—	—	—
	Demudok/Rambai	1.44	—	1.44	—	—	—
	Kurau/Senangin/Senohong	—	—	—	—	—	—
	Pelata/Selar	5.68	—	2.80	3.08	—	—
	Selar Kuning/Lolong	15.55	—	5.75	9.80	—	—
	Selayang/Curut	4.11	—	2.90	1.21	—	—
	Pisang-pisang	1.94	—	1.46	0.48	—	—
	Talang	—	—	—	—	—	—
35	Billis	—	—	—	—	—	—
	Parang-parang	15.67	—	10.35	5.32	—	—
	Tamban	0.24	—	0.24	—	—	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	0.24	—	0.24	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kambong/Temenong	—	—	—	—	—	—
	Tenggiri	1.08	—	1.08	—	—	—
	Timah/Layor/Selayor	53.54	—	47.12	6.42	—	—
38	Pari	4.47	—	3.69	0.78	—	—
	Yu	0.60	—	0.60	—	—	—
39	Ikan Baja	168.41	—	124.41	44.00	—	—
	Ikan Campur	86.12	—	72.42	13.70	—	—
	Jebong	—	—	—	—	—	—
42	Ketam	17.61	—	12.95	4.66	—	—
45	Udang Karang/Lobok	2.36	—	2.36	—	—	—
	Udang Besar	17.66	—	14.45	3.21	—	—
	Udang Sedang	37.20	—	33.08	4.12	—	—
	Udang Kecil	64.92	—	64.92	—	—	—
	Udang Baring	—	—	—	—	—	—
56	Karang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—
	Sotong Katak	3.81	—	3.15	0.66	—	—
	Sotong Biasa	126.55	—	110.40	16.15	—	—
76	Ubur-ubur	—	—	—	—	—	—
TOTAL		1,153.54	—	915.18	238.36	—	—

TRENGGANU
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	210	54	118	20	18	—
	No. of trips	59,757	16,965	37,052	4,300	1,440	—
	No. of days	59,757	16,965	37,052	4,300	1,440	—
	No. of hauls	179,892	50,868	111,156	13,260	4,608	—
	No. of trawling hours	388,236	105,948	228,684	39,780	13,824	—
<i>Species:</i>							
<i>M. Tonnes:</i>							
24	Kebasi/Selangat	—	—	—	—	—	—
	Puput/B. Mata/Tirok	—	—	—	—	—	—
	Terubok	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—
31	Lidah	53.91	12.09	34.41	7.29	0.12	—
	Sebelah	41.15	7.16	25.82	7.99	0.18	—
33	Bayan	1.03	0.49	0.18	0.36	—	—
	Biji Nangka	151.28	27.18	102.84	20.11	1.15	—
	Daun Baharu	11.61	1.95	6.69	2.91	0.06	—
	Delah	—	—	—	—	—	—
	Duri/Pulutan/Utik	15.38	1.88	8.26	4.58	0.66	—
	Dengkil/Debam	18.20	2.18	11.33	3.12	1.57	—
	Gelama/Tengkerong	100.07	17.38	65.75	16.04	0.90	—
	Gerut-gerut	14.15	2.48	8.96	2.53	0.18	—
	Jenahak	0.54	—	0.48	0.06	—	—
	Kaci	1.57	—	0.78	0.67	0.12	—
	Kerapu	43.32	4.94	28.98	9.16	0.24	—
	Kerisi	475.99	55.64	281.43	132.73	6.19	—
	Kerisi Bali	20.26	—	0.18	20.08	—	—
	Kikek	100.18	15.06	69.44	14.90	0.78	—
	Malong	—	—	—	—	—	—
	Merah	54.43	6.11	38.11	10.15	0.06	—
	Mengkerong/Conor/Ubi	43.31	3.88	26.67	12.76	—	—
	Remong/Kunyit-kunyit	56.62	10.39	30.13	15.08	1.02	—
	Semilang	—	—	—	—	—	—
	Shrumbu/Lemah	1.88	—	—	1.88	—	—
	Puntong Damar/Bulus	97.94	16.22	59.96	20.92	0.84	—
	Pasir-pasir	—	—	—	—	—	—
34	Alu-alu/Kacang-kacang	61.09	7.61	40.90	12.28	0.30	—
	Aruan Tasik	0.42	—	0.06	0.30	0.06	—
	Bawal	1.80	—	—	1.74	0.06	—
	Belanak/Kedera	—	—	—	—	—	—
	Cernin/Sagal/Cupak	39.92	5.69	25.41	8.58	0.24	—
	Cencaru	—	—	—	—	—	—
	Demudok/Rambai	8.89	0.42	5.69	2.78	—	—
	Kurau/Senangin/Senohong	—	—	—	—	—	—
	Pelata/Selar	—	—	—	—	—	—
	Pelata Kuning/Lolong	104.32	1.21	9.07	91.43	2.61	—
	Selayang/Curut	—	—	—	—	—	—
	Pisang-pisang	37.82	5.87	24.98	6.79	0.18	—
	Talang	—	—	—	—	—	—
35	Billis	3.34	—	3.22	—	0.12	—
	Parang-parang	37.38	6.66	22.21	8.45	0.06	—
	Tamban	—	—	—	—	—	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	0.24	—	0.24	—	—	—
	Tenggiri	—	—	—	—	—	—
	Timah/Layor/Selayor	36.31	3.46	20.46	10.69	1.70	—
38	Pari	75.40	11.36	45.14	16.00	2.90	—
	Yu	35.68	4.48	24.50	6.46	0.24	—
39	Ikan Baja	8,071.99	1,380.83	5,541.87	1,149.29	—	—
	Ikan Campur	479.48	77.70	324.24	72.81	4.73	—
	Jebong	8.30	0.96	4.54	2.68	0.12	—
42	Ketam	58.15	9.73	37.89	10.47	0.06	—
45	Udang Karang/Lobok	61.46	8.39	33.77	18.21	1.09	—
	Udang Besar	174.46	35.28	115.91	23.27	—	—
	Udang Sedang	163.58	36.67	111.01	15.84	0.06	—
	Udang Kecil	318.27	68.53	223.78	25.90	0.06	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	0.12	0.12	—	—	—	—
	Sotong Katak	123.23	19.01	74.59	27.93	1.70	—
	Sotong Biasa	183.80	31.64	130.07	21.12	0.97	—
76	Ubur-ubur	—	—	—	—	—	—
TOTAL		11,388.27	1,900.65	7,619.95	1,836.34	31.33	—

PAHANG

**USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981**
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	381	225	86	50	14	8
	No. of trips	102,798	60,750	24,166	14,150	3,570	162
	No. of days	102,882	60,750	24,66	14,150	3,570	246
	No. of hauls	268,473	148,725	62,608	43,650	11,046	444
	No. of trawling hours	775,053	430,425	164,728	129,150	29,358	1,392
<i>Species:</i>							
<i>M. Tonnes:</i>							
24	Kebasi/Selangat	—	—	—	—	—	—
	Puput/B. Mata/Tirok	6.11	0.24	2.42	2.00	1.45	—
	Terubok	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—
31	Lidah	12.28	0.78	1.99	5.98	3.47	0.06
	Sebelah	12.04	3.90	3.74	2.84	1.38	0.18
33	Bayan	0.91	—	—	0.54	0.19	0.18
	Biji Nangka	2.91	0.30	0.85	1.34	0.30	0.12
	Daun Bahu	12.57	1.51	1.63	7.80	1.63	—
	Delah	0.06	—	—	—	0.06	—
	Duri/Pulutan/Utik	64.25	0.42	2.47	58.27	2.97	0.12
	Dengkis/Debam	9.31	0.12	2.05	3.09	3.81	0.24
	Gelama/Tengkerong	89.55	30.06	13.08	36.37	10.04	—
	Gerut-gerut	3.63	0.18	0.12	1.94	1.39	—
	Jenahak	—	—	—	—	—	—
	Kaci	7.86	0.24	0.66	4.30	2.48	0.18
	Kerapu	0.84	0.12	0.12	0.30	0.18	0.12
	Kerisi	275.39	7.39	22.26	174.95	70.12	0.67
	Kerisi Bali	—	—	—	—	—	—
	Kikek	52.74	19.36	9.62	21.46	2.30	—
	Malong	0.48	—	0.24	0.24	—	—
	Merah	17.54	1.76	1.33	7.07	7.08	0.30
	Mengkerong/Conor/Ubi	27.47	—	1.70	16.94	8.83	—
	Remong/Kunyit-kunyit	12.71	0.97	1.69	7.02	3.03	—
	Semilang	8.77	—	—	8.77	—	—
	Shrumbu/Lamah	—	—	—	—	—	—
	Puntong Damar/Bulus	199.33	23.29	22.14	98.90	55.00	—
	Pasir-pasir	20.37	0.85	1.56	9.08	8.88	—
34	Alu-alu/Kacang-kacang	29.39	0.24	3.63	22.03	3.49	—
	Aruan Tasik	3.70	—	—	2.18	1.52	—
	Bawal	4.59	2.11	0.68	1.50	0.30	—
	Belanak/Kedera	—	—	—	—	—	—
	Cermin/Sagai/Cupak	26.61	1.33	3.03	15.96	5.99	0.30
	Cencaru	0.36	—	—	0.12	0.06	0.18
	Demudok/Rambai	0.67	0.06	0.06	0.30	0.25	—
	Kurau/Senangin/Senohong	0.72	0.30	—	0.42	—	—
	Pelata/Selar	16.02	0.18	1.94	9.18	4.72	—
	Selar Kuning/Lolong	374.06	4.41	43.32	238.05	87.49	0.79
	Selayang/Curut	0.91	—	0.55	0.30	0.06	—
	Pisang-pisang	6.95	0.06	0.42	3.68	2.79	—
	Talang	2.35	0.36	0.06	1.45	0.48	—
35	Bilis	—	—	—	—	—	—
	Parang-parang	15.90	5.39	2.71	6.05	1.75	—
	Tamban	0.66	0.30	—	0.24	0.12	—
	Bulan-bulan	69.37	4.42	3.01	51.36	9.98	0.60
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—
37	Kembong/Temenong	18.57	0.06	2.96	12.33	3.16	0.06
	Tenggiri	24.80	1.27	5.07	12.47	5.75	0.24
	Timah/Layor/Selayor	8.70	1.09	0.90	4.60	2.11	—
38	Pari	189.30	22.46	22.26	120.09	24.49	—
	Yu	51.01	8.28	9.86	19.81	13.06	—
39	Ikan Baja	4,614.53	931.35	752.81	2,304.66	625.71	—
	Ikan Campur	158.90	34.30	34.33	70.96	19.31	—
	Jebong	0.30	—	—	—	0.30	—
42	Ketam	171.30	93.22	47.60	21.72	8.76	—
45	Udang Karang/Lobok	28.43	1.87	4.05	16.35	6.16	—
	Udang Besar	66.50	21.97	16.77	19.11	9.55	—
	Udang Sedang	134.79	58.57	39.81	26.31	10.10	—
	Udang Kecil	152.28	61.09	43.45	30.93	16.81	—
	Udang Baring	—	—	—	—	—	—
	Kerang	—	—	—	—	—	—
56	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	—	—	—	—	—	—
	Sotong Katak	250.17	71.19	59.30	91.46	28.09	0.13
	Sotong Biasa	577.31	76.51	92.03	335.20	73.20	0.37
76	Ubur-ubur	—	—	—	—	—	—
TOTAL		7,836.27	1,492.98	1,280.28	3,908.02	1,150.15	4.84

JOHOR TIMUR/EAST JOHORE
USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA MENGIKUT UKURAN
MUATAN DAN JENIS IKAN, 1981
FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE AND TYPE OF FISH, 1981

ISSCAAP GROUP NO.	Fishing Effort	Total	TONNAGE CLASS				
			0 — 9.9 Tons	10 — 24.9 Tons	25 — 39.9 Tons	40 — 69.9 Tons	70 Tons & above
	No. of fish units	343	63	113	117	49	1
	No. of trips	75,054	17,892	25,312	22,581	9,261	8
	No. of days	95,321	18,270	31,075	32,526	13,426	24
	No. of hauls	229,189	54,810	75,936	69,264	29,155	24
	No. of trawling hours	633,189	113,211	227,808	204,633	87,465	72
	Species:	M. Tonnes:					
24	Kebasi/Selangat	33.34	2.23	11.74	13.07	6.30	—
	Puput/B. Mata/Tirok	43.37	2.84	10.97	14.70	14.80	0.06
	Terubok	—	—	—	—	—	—
25	Siakap	0.06	—	—	0.06	—	—
31	Lidah	7.50	0.60	1.70	2.42	2.78	—
	Sebelah	24.56	0.30	5.93	10.95	7.38	—
33	Bayan	0.06	—	—	—	0.06	—
	Biji Nangka	166.60	—	31.52	80.87	54.21	—
	Daun Baharu	5.74	—	0.43	2.41	2.90	—
	Delah	—	—	—	—	—	—
	Duri/Pulutan/Utik	78.53	1.75	8.84	47.85	20.09	—
	Dengkis/Debam	71.93	0.24	9.43	26.56	35.70	—
	Getama/Tengkerong	403.76	9.97	100.35	159.26	133.51	0.67
	Gerut-gerut	1.57	—	0.54	0.24	0.79	—
	Jenshak	20.27	—	1.27	7.15	10.52	1.33
	Kaci	26.79	—	3.32	10.11	13.18	0.18
	Kerapu	29.29	—	4.65	10.91	13.00	0.73
	Kerisi	877.73	—	126.81	356.01	391.64	3.27
	Kerisi Bali	—	—	—	—	—	—
	Kikek	75.98	2.41	21.41	26.69	25.47	—
	Malong	0.60	—	—	0.24	0.36	—
	Merah	102.36	0.06	16.95	35.46	47.05	2.84
	Mengkerong/Conor/Ubi	5.19	0.78	0.96	2.84	0.61	—
	Remong/Kunyit-kunyit	49.30	0.24	10.77	21.47	16.82	—
	Semilang	—	—	—	—	—	—
	Shrubu/Lemah	—	—	—	—	—	—
	Puntong Damar/Bulus	107.91	0.78	18.74	42.41	45.98	—
	Pasir-pasir	90.38	—	10.87	42.54	36.97	—
34	Alu-alu/Kacang-kacang	96.72	0.42	11.96	43.50	40.72	0.12
	Aruan Tasik	0.18	—	—	0.18	—	—
	Bawal	67.76	0.78	9.32	27.83	27.35	2.48
	Belanak/Kedera	—	—	—	—	—	—
	Cermin/Sagai/Cupak	52.70	0.12	9.27	20.83	22.12	0.36
	Cencaru	0.84	—	0.06	0.30	0.48	—
	Demudok/Rambai	12.16	—	1.33	6.11	4.60	0.12
	Kurau/Senangin/Senohong	0.12	—	—	—	0.12	—
	Peleta/Selar	66.24	0.18	11.07	26.73	28.14	0.12
	Selar Kuning/Lolong	1,716.22	—	275.57	648.32	792.33	—
	Selayang/Curut	0.60	—	—	0.12	0.48	—
	Pisang-pisang	0.24	—	0.24	—	—	—
	Talang	0.90	—	0.12	0.42	0.36	—
35	Billis	19.83	0.42	5.02	9.67	4.72	—
	Parang-parang	41.53	0.48	9.27	15.20	16.28	0.30
	Tamban	16.57	0.06	3.21	9.67	3.63	—
	Bulan-bulan	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—
	Layaran/Mersuji	0.12	—	—	0.12	—	—
37	Kembong/Temenong	19.00	0.06	1.46	7.14	10.34	—
	Tenggiri	14.70	—	2.97	5.61	6.12	—
	Timah/Layor/Selayor	28.01	0.66	6.52	9.15	11.56	0.12
38	Pari	116.04	3.06	25.12	48.12	39.44	0.30
	Yu	69.93	1.50	17.78	25.96	24.69	—
39	Ikan Baja	6,298.80	85.14	1,442.00	2,517.50	2,214.47	39.89
	Ikan Campur	136.91	4.53	35.76	50.82	45.68	0.12
	Jebong	11.74	0.06	1.81	4.97	4.90	—
42	Ketam	119.38	12.03	26.44	43.44	36.74	0.73
45	Udang Karang/Lobok	20.31	1.34	5.56	6.77	6.52	0.12
	Udang Besar	262.67	5.44	44.70	108.35	103.88	0.30
	Udang Sedang	328.18	18.63	83.90	126.44	98.18	1.03
	Udang Kecil	764.92	49.14	184.73	291.00	240.05	—
	Udang Baring	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—
57	Sotong Kereta	10.41	—	2.24	3.81	4.30	0.06
	Sotong Katak	293.65	7.80	71.09	122.69	91.77	0.30
	Sotong Biasa	1,149.00	7.14	245.68	463.70	428.85	3.63
76	Ubur-ubur	—	—	—	—	—	—
TOTAL		13,959.20	221.19	2,931.40	5,558.69	5,188.94	58.98

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA BORONG PURATA IKAN BASAH DI PASAR MENGIKUT BULAN, 1981
 MONTHLY AVERAGE WHOLESALE MARKET PRICES OF FRESH FISH, 1981
 (Harga Dalam \$/Kg./Prices At \$/Kg.)

Jenis-jenis Ikan Type of Fish								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 1981 Average 1981
Bawal putih ..	..	..	..	..	..	..	..	8.99	8.62	9.34	9.43	8.09	9.48	10.11	9.20	10.35	9.81	10.34	10.65	9.53
Bawal Hitam ..	..	..	..	..	..	..	..	4.46	4.75	4.24	4.50	4.28	4.87	5.34	5.19	4.88	5.11	5.48	5.29	4.87
Kerapu ..	..	..	..	..	..	..	..	5.31	4.81	4.83	4.99	4.73	5.19	5.01	5.11	5.10	4.86	5.14	5.35	5.04
Tenggiri ..	..	..	..	..	..	..	..	4.69	4.67	4.33	4.55	4.37	5.09	5.13	5.03	4.89	4.93	5.05	5.15	4.82
Merah ..	..	..	..	..	..	..	..	3.13	3.21	3.21	3.20	3.06	3.89	4.10	3.40	3.56	3.58	3.67	3.68	3.47
Jenahak ..	..	..	..	..	..	..	..	4.23	4.12	4.29	4.24	4.05	4.48	4.58	4.32	4.72	4.90	4.70	4.80	4.45
Kaci ..	..	..	..	..	..	..	..	2.48	2.14	1.83	1.73	1.87	1.75	2.26	2.33	2.14	1.79	2.26	2.28	2.07
Cermin ..	..	..	..	..	..	..	..	2.53	2.33	1.96	2.03	2.27	2.28	2.32	2.15	2.31	2.36	2.11	2.12	2.23
Gelama ..	..	..	..	..	..	..	..	0.93	0.93	0.83	0.93	0.88	0.79	1.01	0.92	0.89	0.95	1.18	0.98	0.94
Kembong ..	..	..	..	..	..	..	..	1.68	1.71	1.62	1.50	1.47	1.65	1.86	1.63	1.48	1.59	1.92	1.96	1.67
Kerisi ..	..	..	..	..	..	..	..	1.61	1.79	1.57	1.24	1.48	1.59	1.55	1.39	1.46	1.46	1.60	1.83	1.55
Selayang ..	..	..	..	..	..	..	..	1.16	1.00	0.63	0.72	0.87	0.84	0.70	0.80	0.90	0.95	0.94	1.04	0.88
Tamban ..	..	..	..	..	..	..	..	0.76	0.72	0.58	0.60	0.73	0.90	0.84	0.71	0.88	0.63	0.92	0.86	0.76
Selar/Pelata ..	..	..	..	..	..	..	..	1.54	2.04	1.87	1.89	1.85	1.73	1.81	1.58	1.86	1.62	2.02	2.50	1.86
Sotong ..	..	..	..	..	..	..	..	1.94	2.06	1.96	1.75	1.88	1.83	2.13	1.96	2.07	2.00	2.11	2.12	1.98
Aya/Tongkol ..	..	..	..	..	..	..	..	1.64	1.73	1.66	1.75	1.73	1.72	1.97	1.73	1.74	1.98	1.70	2.05	1.78
Udang Besar ..	..	..	..	..	..	..	..	16.26	17.51	16.14	15.92	15.65	15.54	15.66	15.86	15.77	15.81	16.21	15.66	16.00
Udang Sedang ..	..	..	..	..	..	..	..	8.92	7.73	8.20	8.53	9.23	9.64	8.50	7.85	7.49	8.23	8.21	8.43	8.41
Udang Kecil ..	..	..	..	..	..	..	..	2.82	2.77	2.59	3.12	2.57	3.79	3.74	3.00	3.18	3.39	3.10	3.02	3.09

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA RUNCIT PURATA IKAN BASAH DI PASAR MENGIKUT BULAN, 1981
 MONTHLY AVERAGE RETAIL MARKET PRICES OF FRESH FISH, 1981
 (Harga Dalam \$/Kg./Prices At \$/Kg.)

Jenis-jenis Ikan Type of Fish	Januari January	Februari February	Mac March	April April	Mai May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata 1981 Average 1981
Bawal Putih ..	10.47	10.31	10.86	10.56	9.30	10.73	11.47	10.77	11.72	11.36	11.58	11.93	10.92
Bawal Hitam ..	5.18	5.62	5.09	5.44	5.18	5.74	6.37	6.05	5.62	6.05	6.25	6.09	5.72
Kerapu ..	6.15	5.66	5.90	6.13	5.68	5.88	6.17	6.25	6.09	5.95	6.14	6.32	6.03
Tenggiri ..	5.52	5.49	5.29	5.38	5.30	6.06	6.07	5.95	5.75	5.83	5.81	6.09	5.71
Merah ..	3.75	4.04	4.06	3.99	3.75	4.49	4.85	4.62	4.43	4.32	4.31	4.38	4.25
Jenahak ..	4.92	4.98	5.04	5.20	4.95	5.19	5.38	5.26	5.59	5.89	5.32	5.71	5.29
Kaci ..	3.08	3.27	2.67	2.50	2.68	2.40	3.00	3.42	3.01	2.39	2.92	2.88	2.85
Cermin ..	2.99	3.08	2.67	2.79	3.11	2.83	2.89	2.72	2.99	3.16	2.85	2.85	2.91
Gelama ..	1.35	1.40	1.29	1.43	1.36	1.27	1.51	1.38	1.32	1.40	1.77	1.55	1.42
Kembong ..	2.28	2.42	2.30	2.26	2.15	2.25	2.53	2.29	2.12	2.27	2.65	2.64	2.35
Kerisi ..	2.12	2.29	2.32	1.73	2.08	2.09	2.08	1.90	2.10	2.01	2.20	2.38	2.11
Selayang ..	1.56	1.38	1.06	1.24	1.25	1.18	1.23	1.14	1.50	1.35	1.67	1.65	1.35
Tamban ..	1.03	1.04	1.01	0.98	1.24	1.26	1.15	1.17	1.42	0.97	1.43	1.45	1.18
Selar/Pelata ..	2.08	2.49	2.78	2.50	2.36	2.32	2.45	2.17	2.55	2.32	2.55	3.11	2.47
Sotong ..	2.57	2.47	2.63	2.41	2.63	2.40	2.72	2.63	2.77	2.75	2.75	2.76	2.62
Aya/Tongkol ..	2.07	2.33	2.36	2.49	2.54	2.47	2.63	2.56	2.40	2.57	2.22	2.67	2.44
Udang Besar ..	18.59	20.29	18.41	18.50	17.94	18.35	17.69	18.57	18.29	18.04	18.00	18.56	18.44
Udang Sedang ..	10.10	9.91	9.06	10.27	10.64	10.94	9.97	9.46	8.71	10.20	9.51	9.76	9.88
Udang Kecil ..	3.46	3.60	3.32	4.02	3.42	4.60	4.53	3.90	4.02	4.34	3.88	3.74	3.90

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI HARGA BORONG PASARAN IKAN LAUT, 1981
WHOLESALE MARKET VALUES OF MARINE FISH, 1981

Negeri State	Grade I		Grade II		Grade III		Prawn Big		Prawn Medium		Prawn Small		Manure Fish		Shell Fish		Jumlah Total	
	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$
Perlis	624.75	3,792,233	18.61	56,946	24,431.23	34,936,659	208.45	3,335,200	548.54	4,613,221	788.09	2,435,198	6,203.81	1,426,876	68.06	42,878	32,891.54	50,639,211
Kedah	23587.99	143,179,099	491.21	1,503,103	39,843.09	56,975,619	916.59	14,665,440	2,563.47	21,558,763	4,892.16	15,116,774	73,484.54	16,901,444	2,249.23	1,417,015	148,028.28	271,317,277
P. Pinang	952.67	57,827.07	259.62	794,437	16,119.29	23,050,585	537.76	8,604,160	1,182.55	9,945,246	2,079.26	6,424,913	7,403.58	1,702,824	5,590.66	3,522,116	34,125.39	59,826,988
Perak	10,537.20	63,960,804	1,783.52	5,457,571	29,707.89	42,482,283	1,653.88	26,462,080	7,195.17	60,511,380	12,512.35	38,663,162	26,041.20	5,989,476	57,857.48	36,450,212	147,288.69	279,976,968
Selangor	3,720.32	22,582,342	410.35	1,255,671	15,572.00	22,267,960	302.29	4,836,640	2,245.28	18,882,805	4,547.65	14,052,239	16,507.74	3,796,780	4,730.01	2,979,906	48,035.64	90,654,343
N. Sembilan	177.35	1,076,515	85.21	260,743	281.74	402,888	—	—	68.14	573,057	—	—	—	—	131.39	82,776	743.83	2,395,979
Melaka	1,191.62	7,233,133	89.41	273,595	922.06	1,318,546	35.11	561,780	46.01	386,944	51.02	157,652	141.58	32,564	8.66	5,456	2,485.47	9,969,650
Kelantan	354.40	2,151,206	127.91	391,405	7,948.73	11,366,684	64.12	1,025,920	68.05	572,301	122.81	379,483	168.41	20,209	—	—	8,854.43	15,907,210
Trengganu	10,998.03	66,758,042	1,909.77	5,843,896	118,379.58	169,282,799	356.74	5,707,840	257.16	2,162,716	418.39	1,292,825	8,114.52	973,743	—	—	140,434.19	252,021,861
Pahang	5,428.69	32,952,148	1,668.48	5,105,549	17,098.77	24,451,241	212.57	3,401,120	307.51	2,586,159	243.81	753,373	4,893.47	587,216	53.42	33,654	29,906.72	69,870,460
Johor Timur/East Johore	2,576.10	15,636,927	1,059.01	3,240,571	24,361.53	34,836,988	375.42	6,006,720	605.55	5,092,675	1,056.02	3,263,102	6,714.82	805,778	—	—	36,748.45	68,882,761
Johor Barat/West Johore	1,901.25	11,540,588	330.36	1,010,901	8,528.53	12,195,798	394.25	6,308,000	400.78	3,370,560	2,353.68	7,272,871	5,409.61	1,244,210	453.96	285,995	19,772.42	43,228,923
JUMLAH/TOTAL	62,050.37	376,645,746	8,233.46	25,194,388	303,194.44	433,568,050	5,057.18	80,914,880	15,488.21	130,255,847	29,065.24	89,811,592	155,083.28	33,481,120	71,142.87	44,820,008	649,315.05	1,214,691,631

NOTES: (1) Grade I Includes Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin, Kurau, Tenggiri, Parang, Ikan Bilis and Kerapu.

Grade II Includes Jenahak, Terubuk, Puput-puput, Merah, Kaci, Cermin, Demudok and Siakap.

Grade III Includes Alu-alu, Cincaru, Selar, Dengkis, Gerut-gerut, Lidah, Pelata, Remong, Sotong, Ketam, Aya/Tongkol, Aruan Tasek, Bayan, Belanak, Biji Nangka, Daun Baharu, Duri, Gelama, Jebong, Kembong, Kerisi, Kikek, Malong, Pari, Selangat, Selar Kuning, Selayang, Semilang, Talang, Tamban, Yu, Udang Baring etc.

(2) Grade I Price at \$6.07 per Kg. is calculated from the average prices of Bawal Putih, Bawal Hitam, Tenggiri, Kerapu.

Grade II Price at \$3.06 per Kg. is calculated from the average prices of Jenahak, Merah, Kaci and Cermin.

Grade III Price at \$1.43 per Kg. is calculated from the average prices of Sotong, Aya/Tongkol, Gelama, Kembong, Kerisi, Selar, Selayang and Tamban.

(3) Price per Kg. of Prawn big, Prawn medium and Prawn small are calculated at \$16.00, \$8.41, \$3.09 respectively.

(4) Prices of Manure Fish are estimated at \$0.23 per Kg. (West Coast) and \$0.12 per Kg. (East Coast).

(5) Prices of Shellfish are estimated at \$0.63 per Kg.

JADUAL (TABLE) 3.4

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI HARGA RUNCIT PASARAN IKAN LAUT, 1981
RETAIL MARKET VALUES OF MARINE FISH, 1981

Negeri/ State	Grade I		Grade II		Grade III		Prawn Big		Prawn Medium		Prawn Small		Manure Fish		Shell Fish		Jumlah/Total	
	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$
Perlis	624.75	4,435,725	18.81	71,276	24,431.23	48,618,148	208.45	3,843,818	548.54	5,419,575	788.09	3,073,551	6,203.81	3,225,981	68.06	63,296	32,891.54	68,751,370
Kedah	23,587.99	167,474,729	491.21	1,881,334	39,843.09	79,287,749	916.59	16,901,919	2,563.47	25,327,084	4,892.16	19,079,424	73,484.54	38,211,961	2,249.23	2,091,784	148,028.28	350,255,984
P. Pinang	952.67	6,763,957	259.62	994,345	16,119.29	32,077,387	537.76	9,916,294	1,182.55	11,683,594	2,079.26	8,109,114	7,403.58	3,849,862	5,590.66	5,199,314	34,125.39	78,593,867
Perak	10,537.20	74,814,120	1,783.52	6,830,882	29,707.89	59,118,701	1,653.88	30,497,547	7,195.17	71,088,280	12,512.35	48,798,165	26,041.20	13,541,424	57,857.48	53,807,456	147,288.69	358,486,575
Selangor	3,720.32	26,414,272	410.35	1,571,641	15,572.00	30,988,280	302.29	5,574,228	2,245.28	22,183,366	4,547.65	17,735,835	16,507.74	8,584,025	4,730.01	4,398,909	48,035.64	117,450,556
N. Sembilan	177.35	1,259,185	85.21	326,354	281.74	560,663	—	—	68.14	673,223	—	—	—	—	131.39	122,193	743.83	2,941,618
Melaka	1,191.62	8,460,502	89.41	342,440	922.06	1,834,900	35.11	647,428	46.01	454,579	51.02	198,978	141.58	73,622	8.66	8,054	2,485.47	12,020,503
Kelantan	354.40	2,516,240	127.91	489,895	7,948.73	15,817,973	64.12	1,182,373	68.05	672,334	122.81	478,959	168.41	25,261	—	—	8,854.43	21,183,035
Trengganu	10,998.03	78,086,013	1,909.77	7,314,419	118,379.58	235,575,364	356.74	6,578,286	257.16	2,540,741	418.39	1,631,721	8,114.52	1,217,178	—	—	140,434.19	332,943,722
Pahang	5,428.69	38,543,699	1,668.48	6,390,279	17,098.77	34,026,552	212.57	3,819,791	307.51	3,038,199	243.81	950,859	4,893.47	734,020	53.42	49,880	29,906.72	87,653,079
Johor Timur/East Johore	2,576.10	18,290,310	1,059.01	4,056,008	24,361.53	48,479,445	375.42	6,922,745	605.55	5,982,834	1,056.02	4,118,478	6,714.82	1,007,223	—	—	36,748.45	88,857,043
Johor Barat/West Johore	1,901.25	13,498,875	330.36	1,265,279	8,528.53	16,971,774	384.25	7,269,970	400.78	3,959,706	2,353.68	9,179,352	5,409.61	2,812,997	453.96	422,183	19,772.42	55,380,136
Jumlah/Total	62,050.37	440,557,627	8,233.46	31,534,152	303,194.44	603,356,936	5,057.18	93,254,399	15,488.21	153,023,515	29,065.24	113,354,436	155,083.28	73,283,554	71,142.87	66,162,869	649,315.05	1,574,527,488

NOTES: (1) Grade I Includes Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin, Kurau, Tenggiri, Parang, Ikan Bilis and Kerapu.

Grade II Includes Jenahak, Terubuk, Puput-puput, Merah, Kaci, Cermin, Demudok and Siakap.

Grade III Includes Alu-alu, Cincaru, Selar, Dengkis, Gerut-gerut, Lidah, Pelata, Remong, Sotong, Ketam, Aya/Tongkol, Aruan Tasek, Bayan, Belanak, Biji Nangka, Daun Baharu, Duri, Gelama, Jebong, Kembong, Kerisi, Kikek, Malong, Pari, Selangat, Selar Kuning, Selayang, Semilang, Talang, Tamban, Yu, Undang Baring etc.

(2) Grade I Price at \$7.10 per Kg. is calculated from the average prices of Bawal Putih, Bawal Hitam, Tenggiri, Kerapu.

Grade II Price at \$3.83 per Kg. is calculated from the average prices of Jenahak, Merah, Kaci and Cermin.

Grade III Price at \$1.99 per Kg. is calculated from the average prices of Sotong, Aya/Tongkol, Gelama, Kembong, Kerisi, Selar, Selayang and Tamban.

(3) Price per Kg. of Prawn big, Prawn medium and Prawn small are calculated at \$18.44, \$9.88, \$3.90 respectively.

(4) Prices of Manure Fish are estimated at \$0.52 per Kg. (West Coast) and \$0.15 per Kg. (East Coast).

(5) Prices of Shellfish are estimated at \$0.93 per Kg.

SEMENANJUNG MALAYSIA /PENINSULAR MALAYSIA
NILAI TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN, 1981
LANDING VALUES OF MARINE FISH BY GEAR GROUP AND GRADE OF FISH, 1981

Penderatan dan Nilai Landing and Value		Pukat Tunda Trawl Nets	PUKAT TARIK/SEINE NETS			Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	PERANGKAP-PERANGKAP/ TRAPS			Pancing Hook and Lines	Pukat Bakul Bag Nets	Pukat Rerang Banner Nets	Pukat Surung Purse/Scoop Nets	Memungut Skipet Shellfish Collection	Rampalan Miscellaneous	Jumlah Ton M. dan Nilai Total M. Tonnes and Value
			Pukat Jentik Ikan Purse-Seine Fish	Pukat Jentik Bilis Purse Seine Anchovy	Lain-lain Other Seines			Belat-belat Stationary	Bubu Portable								
Grade I	Tonnes	..	4,674.13	1,540.00	32,805.22	32.48	14,660.22	1,206.11	574.83	1,034.26	5,365.20	137.45	20.47	—	—	—	62,050.37
	N.B. \$	..	28,371,969	9,347,800	199,127,685	197,154	88,987,535	7,321,088	3,489,218	6,277,958	32,566,764	834,322	124,253	—	—	—	376,645,746
	N.R. \$	..	331,863.23	109,340.00	232,917,062	230,608	104,087,562	8,563,381	4,081,293	7,343,246	38,092,920	975,895	145,337	—	—	—	440,557,627
Grade II	Tonnes	..	2,165.99	312.64	—	18.08	667.09	92.06	40.61	2,341.62	2,587.81	3.45	4.11	—	—	—	8,233.46
	N.B. \$	..	6,627,929	956,678	—	55,325	2,041,295	281,704	124,267	7,165,357	7,918,699	10,557	12,577	—	—	—	25,194,388
	N.R. \$	..	8,295,742	1,197,411	—	69,246	2,554,955	352,590	155,536	8,968,405	9,911,312	13,214	15,741	—	—	—	31,534,152
Grade III	Tonnes	..	62,716.71	120,892.52	1,892.28	8,304.10	39,705.62	21,864.69	3,896.95	4,871.42	22,514.60	11,258.52	728.34	1,043.96	—	3,504.73	303,194.44
	N.B. \$	..	89,684,895	172,876,304	2,705,960	11,874,863	58,779,037	31,266,507	5,572,638	6,966,131	32,195,878	16,099,684	1,041,526	1,492,863	—	5,011,764	433,568,050
	N.R. \$	..	124,806,253	240,576,115	3,765,637	16,525,159	79,014,184	43,510,733	7,754,930	9,694,126	44,804,054	22,404,455	1,449,397	2,077,480	—	6,974,413	603,356,936
Prawn Big	Tonnes	..	1,820.09	—	—	212.45	2,835.33	—	3.31	6.36	—	115.08	26.85	29.62	—	8.09	5,057.18
	N.B. \$	..	29,121,440	—	—	3,399,200	45,365,280	—	52,960	101,760	—	1,841,280	429,600	473,920	—	129,440	80,914,880
	N.R. \$	..	33,562,460	—	—	3,917,578	52,263,485	—	61,036	117,278	—	2,122,075	495,114	546,193	—	149,180	93,254,399
Prawn Medium	Tonnes	..	7,145.74	—	—	3,582.02	3,110.05	—	46.49	—	—	873.34	21.23	701.30	—	8.04	15,488.21
	N.B. \$	..	60,095,673	—	—	30,124,788	26,155,521	—	390,981	—	—	7,344,790	178,544	5,897,933	—	67,617	130,255,847
	N.R. \$	..	70,599,911	—	—	35,390,358	30,727,294	—	459,321	—	—	8,628,599	209,753	6,928,844	—	79,435	153,023,515
Prawn Small	Tonnes	..	15,638.83	—	—	7,176.19	1,480.73	—	136.25	—	—	3,100.90	100.94	1,430.01	—	1.39	29,065.24
	N.B. \$	..	48,323,985	—	—	22,174,427	4,575,456	—	421,012	—	—	9,581,781	311,905	4,418,731	—	4,295	89,811,582
	N.R. \$	..	60,991,437	—	—	27,987,141	5,774,847	—	531,375	—	—	12,093,510	393,666	5,577,039	—	5,421	113,354,436
Ikan Baja Menure Fish	Tonnes	..	140,110.06	1,571.86	248.09	6,269.96	2,493.63	—	1,104.79	264.13	29.89	2,489.78	50.21	450.88	—	—	155,083.28
	N.B. \$	..	30,118,404	356,064	29,771	1,442,091	572,184	—	250,708	60,750	6,875	529,023	11,548	103,702	—	—	33,481,120
	N.R. \$	..	65,770,351	798,989	37,213	3,260,379	1,292,144	—	563,076	137,348	15,543	1,147,944	26,109	234,458	—	—	73,263,554
Kerang/ Siput Shellfish	Tonnes	..	—	—	—	—	—	—	—	—	—	—	—	—	71,142.87	—	71,142.87
	N.B. \$	..	—	—	—	—	—	—	—	—	—	—	—	—	44,820,008	—	44,820,008
	N.R. \$	..	—	—	—	—	—	—	—	—	—	—	—	—	66,162,869	—	66,162,869
JUMLAH TOTAL	Tonnes	..	234,271.55	124,317.02	34,945.59	25,595.28	64,952.67	23,162.86	5,803.23	8,517.79	30,497.50	17,978.52	952.15	3,655.77	71,142.87	3,522.25	649,315.05
	N.B. \$	..	292,344,295	183,536,846	201,863,416	69,267,848	224,476,308	38,869,299	10,301,784	20,571,956	72,688,216	36,241,437	2,109,953	12,387,149	44,820,008	5,213,116	1,214,691,631
	N.R. \$	..	397,212,477	253,506,515	236,719,912	87,380,469	275,734,471	52,426,704	13,606,567	26,260,403	92,823,829	47,385,692	2,735,117	15,364,014	66,162,869	7,208,449	1,574,527,488

N.B. \$ = Nilai harga borong/Wholesale value in Malaysian Dollars.

N.R. \$ = Nilai harga runcit/Retail Value in Malaysian Dollars.

JADUAL (TABLE) 3.6

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENGUNAAN PENDARATAN IKAN LAUT, 1981
DISPOSITION OF MARINE FISH LANDINGS, 1981

109	Cara Penggunaan Disposition Channel			Negeri/State	Perlis	Kedah	Pulau Pinang Penang	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Kelantan	Trengganu	Pahang	Johor	Jumlah Total Ton Metrik M. Tonnes
	Diguna secara hidup <i>Disposed alive</i>	..	..	..	—	—	—	—	—	—	—	—	—	—	—	—
	Diguna secara basah <i>Disposed fresh</i>	..	..	..	32,837.26	38,372.26	26,189.47	100,409.60	18,403.68	743.83	2,383.77	8,647.30	128,780.86	20,590.86	39,861.50	417,220.39
	Diguna untuk dibeku <i>Disposed for freezing</i>	..	..	..	—	—	—	—	—	—	—	—	—	—	—	—
	Diguna untuk mengetin <i>Disposed for canning</i>	..	..	..	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	Diguna untuk diawitkan: <i>Disposed for curing:</i>															
	Kering/Masin/Diasap <i>Dried/Salted/Smoked</i>	..	..	..	44.03	33,296.48	821.18	13,844.73	11,422.38	—	11.50	129.97	6,346.08	3,758.75	155.24	69,830.34
	Rebus <i>Steamed/boiled</i>	..	..	..	—	—	—	2,230.86	—	—	—	—	13.61	—	—	2,244.47
	Diragikan <i>Fermented</i>	..	..	..	7.56	76.93	2,074.80	2,868.28	10.41	—	90.20	—	581.47	—	463.39	6,173.04
	Lain-lain <i>Others</i>	..	..	..	2.69	11.45	—	237.80	—	—	—	22.71	1,682.72	179.34	268.42	2,405.13
	Diguna untuk mengubahkan <i>Disposed for reduction</i>	..	..	..	—	69,880.96	4,087.12	25,646.20	10,987.04	—	—	—	203.28	2,140.12	15,772.32	128,717.04
	Digunakan untuk lain-lain <i>Disposed for others</i>	..	..	..	—	6,390.20	952.82	2,051.22	7,212.13	—	—	54.45	2,826.17	3,237.65	—	22,724.64
	JUMLAH/TON METRIK TOTAL/M. TONNES	..	..	..	32,891.54	148,028.28	34,125.39	147,288.69	48,035.64	743.83	2,485.47	8,854.43	140,434.19	29,906.72	56,520.87	649,315.05

*N.A.—Tidak terdapat (Not available).

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

NILAI IKAN LAUT YANG DIPROSES, 1981
PROCESSED MARINE FISH PRODUCTS, 1981

Negeri/State	Jenis Hasil Pengeluaran Type of Products	Ikan Masin/ Ikan Kering Salted/Dried Fish	Bilis Kering Dried Anchovies	Ikan Rebus Boiled Fish	Ikan Baji Manure Fish	Tapung Ikan Fish Meal	Udang Kering Dried Prawn	Tapung/Kuli Udang Prawn Dust	Otak Udang Prawn Paste	Belacan Shrimp Paste	Kerupok/Crackers		Cincaluk Pickled Prawn	Sotong Kering Dried Cuttle fish	Budu Fermented Anchovies	Ubur-ubur Dried Jelly Fish	Kerang Kering Dried Cockles	Ikan Aya diseap Smoked Tuna	Jumlah Total/ Metric Ton M. Tonnes
											Ikan Fish	Udang Prawn							
Perlis		18.57	—	—	—	—	3.27	—	—	2.42	—	1.75	—	—	—	—	—	—	26.01
Kedah		3,468.12	6,866.06	—	3,834.12	27,952.39	13.01	—	5.14	8.17	3.57	3.87	—	—	—	—	—	—	42,154.45
Pulau Pinang .. Penang		460.62	—	—	571.69	1,021.78	13.37	—	131.88	241.92	—	—	—	—	—	—	—	—	2,441.26
Perak		1,715.30	1,810.47	1,784.69	1,230.73	6,411.55	336.18	—	—	917.85	45.13	109.44	—	—	—	239.93	—	—	14,601.27
Selangor		715.91	—	—	4,327.28	2,746.76	669.39	—	—	3.33	—	—	—	4.36	—	342.53	410.89	—	9,220.45
Negeri Sembilan		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melaka Malacca		6.90	—	—	—	—	—	—	—	23.83	—	—	4.72	—	—	—	—	—	35.45
Johor Johore		33.70	10.40	—	—	3,895.77	0.66	47.31	—	82.46	159.83	14.64	61.71	0.60	—	—	—	15.73	4,322.81
Kelantan		77.98	—	—	32.67	—	—	—	—	—	13.85	0.91	—	—	—	—	—	—	125.41
Trengganu		2,721.48	220.45	10.89	1,695.70	50.82	69.63	—	54.87	0.48	1,093.77	—	—	162.49	9.38	—	—	—	6,089.96
Pahang		294.74	816.88	—	1,942.59	535.03	—	—	—	—	115.37	1.20	—	—	—	—	—	—	3,705.81
Jumlah TOTAL		9,513.32	9,724.26	1,795.58	13,634.78	42,614.10	1,105.51	47.31	191.89	1,280.46	1,431.52	131.81	66.43	167.45	9.38	582.46	410.89*	15.73	82,722.88

Termasuk 117.97 M. Ton Lala Kering.
Includes 117.97 M. Tonnes of Dried Lala.

JADUAL (TABLE) 3.8

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
KILANG-KILANG AIR BATU DAN KEMUDAHAN-KEMUDAHAN PENYEJUK DI TARIKH 31-12-81
ICE FACTORIES AND REFRIGERATION FACILITIES AS AT 31-12-81

Negeri/State	Ice Factories						Refrigeration Establishments			Total Storage Capacity	
	Daily Production Capacity			Storage Capacity			Storage Capacity			Ice (Tons)	Fish (Tons)
	No.	Tons	Blocks	Lbs. Per Block	Ice (Tons)	Fish (Tons)	No.	Ice (Tons)	Fish (Tons)		
Perlis	2	150	1,350	224-320	700	—	6	110	40	810	40
Kedah	5	222	2,220	224	498	—	19	366	2,205	864	2,205
Pulau Pinang Penang	7	570	3,905	224-320	500	2,735	13	403	6,205	903	8,940
Perak	17	1,432	15,815	200-320	2,700	1,817	38	172	762	2,872	2,579
Selangor	15	270	3,000	60-224	209	34	18	411	406	620	440
Negeri Sembilan	1	12	—	224	13	—	1	25	—	38	—
Melaka Malacca	2	75	525	320	84	300	—	—	—	84	300
Kelantan	16	104	1,435	25-250	189	166	2	7	7	196	173
Trengganu	8	135	1,163	26-300	177	32	5	135	124	312	156
Pahang	8	204	7,893	20-224	433	142	4	14	42	447	184
Johor Johore	7	350	7,448	60-224	215	—	18	440	5	655	5
JUMLAH TOTAL ..	88	3,524	44,754	—	5,718	5,226	124	2,083	9,796	7,801	15,022

SEMANANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL PERIKANAN DALAM RINGGIT MALAYSIA, 1981
FISHERIES REVENUE IN MALAYSIAN RINGGIT, 1981

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JENIS HASIL Type of revenue Negeri State	HASIL NEGERI/STATE REVENUE					HASIL PERSEKUTUAN/FEDERAL REVENUE										Jumlah Besar Grand Total
	Perahu Boat	Perikanan Fishing	Patil Perahu Boat No. Plate	Lain-Lain Miscellaneous	Jumlah Total	Jualan Perikanan Fisheries Sales			Pelbagai Bayaran dan Pindah Milik Miscellaneous and boat transfer fee	Sewa Rumah Rent of Govt. Quarter	Kampaun atau Denda Compound/ Fine	Bayaran Masuk Akuarium Entrance fee	Sewa Bilik Sejok Rent of Cold Room	Jualan Harta Kerajaan Sales of Govt. property	Jumlah Total	
						Ikan Fish	Patil Belat Stake No. Plate	Jualan Bot Sale of Confiscated boat								
Perlis	8,608.07	18,111.00	729.00	—	27,448.07	—	15.00	—	245.50	—	—	—	—	—	260.50	27,708.57
Kedah	33,255.62	43,720.00	3,001.00	—	79,976.62	—	3.00	16,300.00	11,659.00	—	43,600.00	—	—	—	71,562.00	151,538.62
P. Pinang ..	22,042.88	24,969.00	2,732.00	—	49,743.88	2,028.58	—	—	376.50	6,330.00	49,550.00	124,792.50	—	1,158.40	184,235.98	233,979.86
Penang																
Perak	68,468.73	108,271.00	6,465.00	—	183,204.73	—	—	—	653.50	—	42,800.00	—	—	—	43,453.50	226,658.23
Selangor ..	41,170.82	47,025.00	3,753.00	—	91,948.82	—	—	—	47,648.31	—	24,100.00	—	—	13,370.23	85,118.54	177,067.36
Negeri Sem- bilan	829.83	645.00	229.00	—	1,703.83	—	—	—	22.00	—	—	—	—	—	22.00	1,725.83
Melaka	2,854.74	2,531.00	907.00	—	6,292.74	—	3.00	—	72.50	—	200.00	—	—	—	275.50	6,568.24
Malacca																
Kelantan ..	9,359.37	10,831.50	1,779.00	1,222.00	23,191.87	—	—	—	612.50	—	3,050.00	—	9,620.00	11.00	13,293.50	36,485.37
Trengganu ..	26,323.07	21,547.00	3,754.00	1,520.00	53,144.07	—	—	39,658.20	1,306.20	—	11,900.00	—	22,991.10	—	75,855.50	128,999.57
Pahang	11,652.96	17,465.00	1,166.00	79,800.00	110,083.96	—	—	—	135.00	—	2,500.00	—	—	—	2,635.00	112,718.96
Johor	34,499.92	53,034.00	5,886.00	—	93,419.92	—	1,611.00	1,689.55	330.50	—	56,100.00	—	—	—	59,731.05	153,150.97
JUMLAH/TOTAL ..	259,066.01	348,149.50	30,401.00	82,542.00	720,158.51	2,028.58	1,632.00	57,647.75	63,061.51	6,330.00	233,800.00	124,792.50	32,611.10	14,539.63	536,443.07	1,256,601.58

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
IMPORT DAN EKSPORT BARANGAN PERIKANAN, 1981*
IMPORTS AND EXPORTS OF FISHERY COMMODITIES, 1981*

(Value in Malaysian Dollars)

S.I.T.C. Commodity Code	Description of Commodity	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
FISH, FRESH, CHILLED OR FROZEN (excluding fillets)						
034 110 00	Fish fry, alive	1000	1,579.23	484,534	43.69	11,600
034 120 00	Fish for aquaria, alive	100	94,105.22	1,200,894	41,162.45	247,471
034 131 00	Tuna fresh, chilled	Tonne	68.53	194,485	0.36	937
034 132 00	Sauries, fresh, chilled	Tonne	—	—	—	—
034 139 00	Marine fish—other than tuna and sauries, fresh, chilled	Tonne	60,301.93	32,125,968	32,980.04	18,579,083
034 140 00	Freshwater fish, fresh, chilled ..	Tonne	65.01	614,912	100.60	87,757
034 300 00	Fish fillets, fresh or chilled	Tonne	4.03	13,571	2.04	2,084
034 211 00	Tuna frozen	Tonne	132.98	122,567	117.52	553,717
034 212 00	Sauries, frozen	Tonne	0.01	80	—	—
034 219 00	Marine fish—other than tuna and sauries, frozen	Tonne	2,017.65	4,466,703	968.55	1,879,785
034 220 00	Freshwater fish, frozen	Tonne	5.60	62,390	8.00	7,996
034 400 00	Fish fillets, frozen	Tonne	7.57	49,141	3.67	16,639
TOTAL ..			62,603.31	39,335,245	34,180.78	21,387,069
FISH-DRIED, SALTED, IN BRINE OR SMOKED						
035 010 00	Fish meal fit for human consumption	Tonne	8.55	15,031	0.40	5,978
035 020 00	Cod, not in fillets, dried	Tonne	1.24	4,648	13.33	26,891
035 031 00	Fishmaws (excl. cod) dried, salted or in brine	Tonne	44.80	283,952	21.90	46,039
035 032 00	Sharks's fins dried, salted or in brine	Tonne	268.97	2,947,814	11.80	426,326
035 039 10	Other marine fish (excl. cod) dried, salted or in brine	Tonne	4,231.13	5,004,627	5,686.76	6,967,120
035 039 20	Freshwater fish dried, salted or in brine	Tonne	297.44	114,195	70.37	114,406
035 041 00	Smoked salmon	Tonne	3.79	141,708	0.01	413
035 049 00	Other fish smoked, excl. salmon	Tonne	3.87	47,783	238.48	508,347
TOTAL ..			4,859.79	8,559,758	6,043.05	8,095,520

* provisional figures.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
IMPORT DAN EKSPORT BARANGAN PERIKANAN, 1981*—(samb.)
IMPORTS AND EXPORTS OF FISHERY COMMODITIES, 1981*—(cont.)
(Value in Malaysian Dollars)

S.I.T.C. Commodity Code	Description of Commodity	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
CRUSTACEANS AND MOLLUSCS FRESH, CHILLED, FROZEN, DRIED, SALTED, IN BRINE OR SIMPLY BOILED						
036 011 00	Prawns, fresh, chilled	Tonne	16,888.63	8,601,616	3,368.15	3,889,665
036 012 00	Prawns, fresh, frozen	Tonne	1,979.76	8,657,040	1,870.00	29,398,800
036 013 00	Prawns, salted, in brine dried or simply boiled	Tonne	1,154.14	1,464,451	915.12	2,984,686
036 019 00	Other prawns	Tonne	75.67	284,680	83.51	206,626
036 021 00	Crustaceans (excl. prawns)—fresh, chilled or frozen	Tonne	785.59	1,918,000	309.62	1,070,447
036 028 00	Crustaceans (excl. prawns)—salted, in brine, dried or simply boiled	Tonne	35.73	171,835	4.00	12,252
036 029 00	Crustaceans (excl. prawns)—others	Tonne	224.32	677,737	100.59	188,454
036 030 00	Oysters	Tonne	242.15	1,459,552	16.40	22,103
036 041 00	Molluscs (excl. oysters)—fresh, chilled, frozen	Tonne	6,078.35	7,082,471	32,177.82	15,361,814
036 048 00	Molluscs (excl. oysters)—salted, in brine, dried or simply boiled	Tonne	2,215.77	10,801,481	2,693.77	11,154,110
036 049 00	Molluscs (excl. oysters)—others ..	Tonne	60.64	332,644	262.80	744,201
011 891 00	Beche-de-mer (trepang) fresh, chilled or frozen	Tonne	7.77	57,651	0.60	1,153
012 902 00	Beche-de-mer (trepang) salted, in brine, dried or smoked	Tonne	501.22	1,752,037	2.82	10,935
TOTAL ..			30,249.74	43,261,195	41,805.20	65,045,246
PREPARED OR PRESERVED FISH In airtight containers:						
037 111 00	Sardines	Tonne	8,049.09	21,117,440	1,211.19	2,118,019
037 112 00	Herrings and brislings	Tonne	36.48	352,097	1.27	4,575
037 113 00	Pilchards	Tonne	0.20	1,177	118.83	541,856
037 114 00	Salmon	Tonne	17.94	113,574	22.15	51,999
037 115 00	Sauries	Tonne	0.01	39	9.82	30,114
037 116 00	Tuna	Tonne	102.22	455,883	4,777.10	26,145,766
037 117 00	Horse mackerels	Tonne	5,601.03	16,595,315	973.69	1,442,854
037 119 00	Other	Tonne	1,391.11	3,752,749	1,959.96	5,761,791
TOTAL ..			15,198.08	42,388,274	9,074.01	36,096,974
In other than airtight containers:						
037 191 00	Shark's fins	Tonne	2.58	22,075	0.20	5,380
037 192 00	Fish paste and similar preparations	Tonne	6.11	26,228	35.86	49,719
037 193 00	Fish, boiled or steamed	Tonne	0.41	3,744	4.19	12,093
037 199 00	Other	Tonne	150.94	405,597	295.15	640,285
TOTAL ..			160.04	457,644	335.40	707,477

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
IMPORT DAN EKSPORT BARANGAN PERIKANAN, 1981*—(samb.)
IMPORTS AND EXPORTS OF FISHERY COMMODITIES, 1981*—(cont.)
(Value in Malaysian Dollars)

S.I.T.C. Commodity Code	Description of Commodity	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
PREPARED OR PRESERVED CRUSTACEANS AND MOLLUSCS In airtight containers:						
037 211 00	Abalone	Tonne	179.96	2,297,417	57.73	324,047
037 212 00	Prawns and shrimps	Tonne	40.29	132,459	1,463.04	9,158,046
037 213 00	Crabs	Tonne	34.90	194,735	530.52	4,834,620
037 214 00	Cuttlefish	Tonne	278.53	650,780	2,283.42	1,719,614
037 219 00	Other	Tonne	56.76	203,404	880.21	2,938,089
TOTAL ..			590.44	3,478,795	5,214.92	18,974,416
037 220 00	In other than airtight containers	Tonne	1,269.81	4,798,649	11,605.50	100,714,854
FATS AND OILS, OF FISH AND MARINE MAMMALS						
411 110 00	Fish liver oil	Tonne	18.93	46,140	2.94	8,159
411 120 00	Other fish oils and fats	Tonne	13.45	21,718	0.93	1,756
411 130 00	Oils and fats of marine mammals ..	Tonne	0.22	1,910	—	—
TOTAL ..			32.60	69,768	3.87	9,915
FLOURS AND MEALS, OF FISH, CRUSTACEANS OR MOLLUSCS, UNFIT FOR HUMAN CONSUMPTION						
081 421 00	Fish meal	Tonne	25,592.93	12,039,416	1,064.11	358,665
081 422 00	Prawn dust	Tonne	739.00	79,078	209.90	43,795
081 429 00	Other	Tonne	33.01	42,902	886.25	203,315
TOTAL ..			26,364.94	12,161,396	2,160.26	605,775
MISCELLANEOUS						
098 059 20	Soups and broths in liquid, solid or powder form of fish, crustaceans and molluscs	Tonne	2.63	28,694	1.82	14,396
098 109 20	Homogenised composite food preparations of fish, crustaceans and molluscs	Tonne	3.92	34,588	1.88	23,628
098 081 00	Turtles eggs	100	57.00	2,997	—	—
291 940 00	Fish Waste	Tonne	21.42	33,115	0.88	725
219 150 00	Coral etc. unworked	Tonne	18.27	14,751	5,563.26	153,976
291 970 00	Natural sponges	Tonne	0.25	4,838	0.20	1,814
291 991 00	Other products of fish, crusraceans and molluscs	Tonne	2.32	8,459	6.34	22,718
098 049 10	Belacan	Tonne	170.06	36,437	7,237.16	2,553,347
271 101 00	Crude fish fertilizers	Tonne	2.72	8,151	—	—
592 234 00	Fish glues	Tonne	0.42	1,785	0.01	37
667 101 00	Pearls (not set or strung)—cultured	Value	0.00	129,043	0.00	5,503
667 109 00	Pearls (not set or strung)—other ..	Value	0.00	26,827	—	—
292 981 00	Sea-weed products	Tonne	162.65	460,929	191.07	98,203
292 922 00	Sea-grass	Tonne	134.23	79,011	4.46	2,008
TOTAL ..			518.89	869,625	13,007.08	2,876,355
GRAND TOTAL ..			141,847.64	155,380,349	123,430.07	254,513,601

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
IMPORT BARANGAN PERIKANAN MENGIKUT JENIS DAN NEGERI-NEGERI ASAL, 1981
IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981
(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin										Unit of Quantity	Quantity	Value \$
Fish fry, alive										1,000		
Thailand	..	..	..	..	..	..	..	..	..		611.32	245,743
Singapore	..	..	..	..	..	..	..	..	..		493.58	124,263
Taiwan	..	..	..	..	..	..	..	..	..		157.41	87,619
Hong Kong	..	..	..	..	..	..	..	..	..		112.34	18,179
Others	..	..	..	..	..	..	..	..	..		204.58	8,730
TOTAL											1,579.23	484,534
Fish for aquaria, alive										100		
Singapore	..	..	..	..	..	..	..	..	..		40,120.78	635,345
Thailand	..	..	..	..	..	..	..	..	..		10,135.21	312,584
Taiwan	..	..	..	..	..	..	..	..	..		39,994.25	134,201
Hong Kong	..	..	..	..	..	..	..	..	..		2,854.99	105,252
Others	..	..	..	..	..	..	..	..	..		999.99	13,512
TOTAL											94,105.22	1,200,894
Tuna, fresh, chilled										Tonne		
New Zealand	..	..	..	..	..	..	..	..	..		29.71	88,917
Pakistan	..	..	..	..	..	..	..	..	..		27.00	59,527
Singapore	..	..	..	..	..	..	..	..	..		11.68	43,850
Japan	..	..	..	..	..	..	..	..	..		0.14	2,191
TOTAL											68.53	194,485
Sauries, fresh, chilled										Tonne	—	—
TOTAL											—	—
Marine fish-other than tuna and sauries, fresh, chilled										Tonne		
Thailand	..	..	..	..	..	..	..	..	..		57,795.00	29,161,403
Indonesia	..	..	..	..	..	..	..	..	..		1,510.95	1,764,580
Singapore	..	..	..	..	..	..	..	..	..		472.90	436,500
Taiwan	..	..	..	..	..	..	..	..	..		67.66	147,553
New Zealand	..	..	..	..	..	..	..	..	..		265.56	132,776
Pakistan	..	..	..	..	..	..	..	..	..		46.20	129,990
Japan	..	..	..	..	..	..	..	..	..		6.24	127,055
South Africa	..	..	..	..	..	..	..	..	..		55.72	46,050
Bangladesh	..	..	..	..	..	..	..	..	..		23.50	36,861
Others	..	..	..	..	..	..	..	..	..		58.20	143,200
TOTAL											60,301.93	32,125,968
Freshwater fish, fresh, chilled										Tonne		
Thailand	..	..	..	..	..	..	..	..	..		32.33	564,042
Hong Kong	..	..	..	..	..	..	..	..	..		27.39	15,581
Taiwan	..	..	..	..	..	..	..	..	..		0.57	11,374
Others	..	..	..	..	..	..	..	..	..		4.72	23,915
TOTAL											65.01	614,912

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

IMPORT BARANGAN PERIKANAN MENGIKUT JENIS DAN NEGERI-NEGERI ASAL, 1981—(samb.)
IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)

(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin										Unit of Quantity	Quantity	Value \$
Fish fillets, fresh or chilled										Tonne		
U. K.	..	..	..	..	..	..	..	..	..		1.38	11,762
Thailand	..	..	..	..	..	..	..	..	..		2.60	1,550
Japan	..	..	..	..	..	..	..	..	..		0.04	245
Australia	..	..	..	..	..	..	..	..	..		0.01	14
TOTAL											4.03	13,571
Tuna, frozen										Tonne		
Taiwan	..	..	..	..	..	..	..	..	..		130.66	117,632
Singapore	..	..	..	..	..	..	..	..	..		2.30	4,600
Japan	..	..	..	..	..	..	..	..	..		0.02	335
TOTAL											132.98	122,567
Sauries, frozen										Tonne		
France	..	..	..	..	..	..	..	..	..		0.01	80
TOTAL											0.01	80
Marine fish-other than tuna and sauries, frozen										Tonne		
New Zealand	..	..	..	..	..	..	..	..	..		879.58	2,205,543
Singapore	..	..	..	..	..	..	..	..	..		761.19	569,039
Japan	..	..	..	..	..	..	..	..	..		13.69	431,634
Pakistan	..	..	..	..	..	..	..	..	..		33.73	294,887
Bangladesh	..	..	..	..	..	..	..	..	..		26.72	165,773
India	..	..	..	..	..	..	..	..	..		37.93	136,981
U. S. A.	..	..	..	..	..	..	..	..	..		8.21	99,003
Thailand	..	..	..	..	..	..	..	..	..		76.94	94,547
Indonesia	..	..	..	..	..	..	..	..	..		82.44	91,458
Others	..	..	..	..	..	..	..	..	..		97.22	377,838
TOTAL											2,017.65	4,466,703
Freshwater fish, frozen										Tonne		
Canada	..	..	..	..	..	..	..	..	..		4.15	51,935
Denmark	..	..	..	..	..	..	..	..	..		0.47	4,622
U. S. A.	..	..	..	..	..	..	..	..	..		0.40	3,103
Others	..	..	..	..	..	..	..	..	..		0.58	2,730
TOTAL											5.60	62,390
Fish fillets, frozen										Tonne		
U. K.	..	..	..	..	..	..	..	..	..		2.45	23,083
Japan	..	..	..	..	..	..	..	..	..		1.79	8,435
Denmark	..	..	..	..	..	..	..	..	..		1.20	8,095
Bangladesh	..	..	..	..	..	..	..	..	..		0.52	3,504
Others	..	..	..	..	..	..	..	..	..		1.61	6,024
TOTAL											7.57	49,141

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

IMPORT BARANGAN PERIKANAN MENGIKUT JENIS DAN NEGERI-NEGERI ASAL, 1981—(samb.)
IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Origin</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Fish meal fit for human consumption	Tonne		
Korea Democratic People's Rep. of		6.25	6,904
U.S.A.		0.88	4,410
Japan		0.08	2,377
Korea Rep. of		1.34	1,340
TOTAL ..		8.55	15,031
Cod, not in fillets, dried	Tonne		
Japan		1.23	4,290
Singapore		0.01	358
TOTAL ..		1.24	4,648
Fishmaws (excl. cod) dried, salted or in brine	Tonne		
Indonesia		34.72	214,736
Hong Kong		5.37	30,055
India		1.08	17,117
Others		3.63	22,044
TOTAL ..		44.80	283,952
Sharks' fins dried, salted or in brine	Tonne		
Indonesia		168.45	2,084,938
Japan		52.39	409,633
Singapore		35.15	317,455
India		5.42	83,511
Norway		2.63	26,300
Others		4.93	25,977
TOTAL ..		268.97	2,947,814
Other marine fish (excl. cod) dried, salted or in brine	Tonne		
Thailand		3,775.13	3,961,509
Burma		164.30	567,208
Indonesia		89.47	130,810
Taiwan		99.81	101,691
Hong Kong		24.37	72,053
Singapore		28.95	50,687
U. K.		11.30	33,876
Korea Democratic People's Rep. of		18.53	25,165
Japan		3.83	14,605
Others		15.44	47,023
TOTAL ..		4,231.13	5,004,627

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

IMPORT BARANGAN PERIKANAN MENGIKUT JENIS DAN NEGERI-NEGERI ASAL, 1981—(samb.)
IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Origin</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Freshwater fish dried, salted or in brine	Tonne		
Thailand		106.18	92,061
Indonesia		3.86	8,562
China		184.00	4,324
Korea, Rep. of		0.40	4,020
Others		3.00	5,228
TOTAL ..		297.44	114,195
Smoked Salmon	Tonne		
Thailand		1.68	71,780
Canada		0.44	15,204
U. S. A		0.67	16,854
U. K.		0.44	15,147
Others		0.56	22,723
TOTAL ..		3.79	141,708
Other fish smoked, excl. salmon	Tonne		
U. K.		2.99	39,934
Denmark		0.10	2,455
Singapore		0.37	1,755
Netherlands		0.15	1,631
Others		0.26	2,008
TOTAL ..		3.87	47,783
Prawns, fresh, chilled	Tonne		
Thailand		16,684.09	8,234,364
Indonesia		111.08	207,604
Sabah		16.84	89,234
Singapore		76.20	63,050
Others		0.42	7,364
TOTAL ..		16,888.63	8,601,616
Prawns, fresh, frozen	Tonne		
Thailand		1,467.52	7,578,796
Indonesia		277.53	835,551
Singapore		204.97	182,735
Sarawak		25.82	48,781
Others		3.92	11,177
TOTAL ..		1,979.76	8,657,040
Prawns, salted, in brine, dried or simply boiled	Tonne		
Thailand		829.48	803,771
Indonesia		313.08	625,447
Korea, Rep. of		4.40	12,170
Singapore		3.89	11,866
Others		3.29	11,197
TOTAL ..		1,154.14	1,464,451

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(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Origin</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Other prawns	Tonne		
Japan		8.17	101,785
New Zealand		4.36	67,745
Thailand		54.11	34,360
U. K.		2.00	32,580
Indonesia		3.09	15,281
Others		3.94	32,929
TOTAL ..		75.67	284,680
Crustaceans (excl. prawns)-fresh, chilled or frozen	Tonne		
Indonesia		186.20	1,424,516
Thailand		552.64	331,055
Australia		5.53	88,309
New Zealand		20.96	24,376
Others		20.26	49,744
TOTAL ..		785.59	1,918,000
Crustaceans (excl. prawns)-salted, in brine, dried or simply boiled	Tonne		
Hong Kong		7.30	63,926
China		3.15	22,050
Korea Democratic People's Rep. of		2.00	21,946
Japan		2.37	21,254
Canada		5.36	16,955
Korea, Rep. of		3.09	10,551
Others		12.46	15,153
TOTAL ..		35.73	171,835
Crustaceans (excl. prawns)-others	Tonne		
Indonesia		66.15	294,792
Thailand		116.89	170,679
U. K.		4.00	54,777
China		10.86	47,295
Philippines		0.63	24,990
Singapore		10.85	23,450
U. S. A.		1.77	15,939
Others		13.17	45,815
TOTAL ..		224.32	677,737

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IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)
(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin										Unit of Quantity	Quantity	Value \$
Oysters										Tonne		
Korea, Rep. of	..	..	..	..	..	..	..	..	..		179.61	1,031,988
New Zealand	..	..	..	..	..	..	..	..	..		16.88	127,788
Japan	..	..	..	..	..	..	..	..	..		8.20	98,994
Hong Kong	..	..	..	..	..	..	..	..	..		14.73	51,679
France	..	..	..	..	..	..	..	..	..		2.55	35,651
Indonesia	..	..	..	..	..	..	..	..	..		4.07	31,703
Singapore	..	..	..	..	..	..	..	..	..		5.30	25,178
Korea Democratic People's Rep. of	..	..	..	..	..	..	..	..	..		3.89	23,262
Australia	..	..	..	..	..	..	..	..	..		1.77	19,666
Others	..	..	..	..	..	..	..	..	..		5.15	13,643
TOTAL										..	242.15	1,459,552
Molluscs (excl. oysters) fresh, chilled, frozen										Tonne		
Thailand	..	..	..	..	..	..	..	..	..		4,939.78	5,915,185
New Zealand	..	..	..	..	..	..	..	..	..		562.85	281,482
Australia	..	..	..	..	..	..	..	..	..		17.42	241,269
Singapore	..	..	..	..	..	..	..	..	..		337.10	198,421
Korea, Rep. of	..	..	..	..	..	..	..	..	..		14.43	130,531
Indonesia	..	..	..	..	..	..	..	..	..		168.64	101,726
Hong Kong	..	..	..	..	..	..	..	..	..		7.54	72,588
Japan	..	..	..	..	..	..	..	..	..		1.82	38,753
Philippines	..	..	..	..	..	..	..	..	..		2.00	25,124
Others	..	..	..	..	..	..	..	..	..		26.77	77,392
TOTAL										..	6,078.35	7,082,471
Molluscs (excl. oysters)-salted, in brine, dried or simply boiled										Tonne		
Canada	..	..	..	..	..	..	..	..	..		326.72	2,793,173
Thailand	..	..	..	..	..	..	..	..	..		1,213.10	2,115,722
Hong Kong	..	..	..	..	..	..	..	..	..		255.35	1,581,340
Korea, Rep. of	..	..	..	..	..	..	..	..	..		150.52	1,432,167
Japan	..	..	..	..	..	..	..	..	..		24.74	1,333,624
Indonesia	..	..	..	..	..	..	..	..	..		113.54	560,840
Philippines	..	..	..	..	..	..	..	..	..		42.86	390,514
Korea, Democratic People's Rep. of	..	..	..	..	..	..	..	..	..		14.38	174,744
Sabah	..	..	..	..	..	..	..	..	..		1.73	142,649
Others	..	..	..	..	..	..	..	..	..		72.83	276,708
TOTAL										..	2,215.77	10,801,481

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(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin										Unit of Quantity	Quantity	Value \$
Molluscs (excl. oysters)-others										Tonne		
Australia	..	..	..	..	..	..	..	..	..		6.42	83,637
Thailand	..	..	..	..	..	..	..	..	..		22.11	50,858
Canada	..	..	..	..	..	..	..	..	..		4.14	49,119
Korea, Rep. of	..	..	..	..	..	..	..	..	..		3.83	41,425
Japan	..	..	..	..	..	..	..	..	..		6.26	39,132
Hong Kong	..	..	..	..	..	..	..	..	..		5.48	30,475
New Zealand	..	..	..	..	..	..	..	..	..		10.80	22,808
Others	..	..	..	..	..	..	..	..	..		1.60	15,190
TOTAL											60.64	332,644
Beche-de-mer (trepang) fresh, chilled or frozen										Tonne		
India	..	..	..	..	..	..	..	..	..		2.71	27,693
New Zealand	..	..	..	..	..	..	..	..	..		0.90	14,943
Indonesia	..	..	..	..	..	..	..	..	..		3.55	13,409
Others	..	..	..	..	..	..	..	..	..		0.61	1,606
TOTAL											7.77	57,651
Beche-de-mer (trepang) salted, in brine, dried or smoked										Tonne		
Indonesia	..	..	..	..	..	..	..	..	..		450.99	1,568,111
India	..	..	..	..	..	..	..	..	..		32.61	142,126
Philippines	..	..	..	..	..	..	..	..	..		9.61	20,116
Others	..	..	..	..	..	..	..	..	..		8.01	21,684
TOTAL											501.22	1,752,037
Sardines in airtight containers										Tonne		
Japan	..	..	..	..	..	..	..	..	..		7,435.39	19,650,626
Thailand	..	..	..	..	..	..	..	..	..		434.48	877,428
Chile	..	..	..	..	..	..	..	..	..		109.75	319,264
Norway	..	..	..	..	..	..	..	..	..		26.82	153,063
Peru	..	..	..	..	..	..	..	..	..		22.49	46,523
U.S.A.	..	..	..	..	..	..	..	..	..		6.18	26,008
Others	..	..	..	..	..	..	..	..	..		13.98	44,528
TOTAL											8,049.09	21,117,440
Herrings and brislings in airtight containers										Tonne		
China	..	..	..	..	..	..	..	..	..		20.06	220,733
Hong Kong	..	..	..	..	..	..	..	..	..		13.96	124,744
Others	..	..	..	..	..	..	..	..	..		2.46	6,620
TOTAL											36.48	352,097
Pilchards in airtight containers										Tonne		
Japan	..	..	..	..	..	..	..	..	..		0.20	1,177
TOTAL											0.20	1,177

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IMPORT BARANGAN PERIKANAN MENGIKUT JENIS DAN NEGERI-NEGERI ASAL, 1981—(samb.)
IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Origin</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Salmon in airtight containers	Tonne		
Japan		14.69	74,728
U. S. A.		1.77	21,165
Canada		0.99	11,515
Others		0.49	6,166
TOTAL ..		17.94	113,574
Sauries in airtight containers	Tonne		
Japan		0.01	39
TOTAL ..		0.01	39
Tuna in airtight containers	Tonne		
Singapore		81.00	388,890
Thailand		17.25	40,460
Canada		2.06	13,716
Others		1.91	12,817
TOTAL ..		102.22	455,883
Horse mackerels in airtight containers	Tonne		
Japan		5,563.60	16,444,121
Thailand		24.24	120,983
China		11.78	21,955
Denmark		1.14	7,214
France		0.27	1,042
TOTAL ..		5,601.03	16,595,315
Other prepared or preserved fish, incl. caviar and caviar substitutes, in airtight containers	Tonne		
Japan		1,222.95	2,730,773
China		114.66	853,324
U.S.A.		5.96	38,566
Thailand		26.40	31,286
Denmark		2.18	24,433
Others		18.96	74,367
TOTAL ..		1,391.11	3,752,749

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IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Origin</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Sharks' fins, prepared, not in airtight containers	Tonne		
Singapore		1.55	15,686
Indonesia		0.64	4,818
Japan		0.36	1,391
Korea, Rep. of		0.03	180
TOTAL ..		2.58	22,075
Fish paste and similar preparations not in airtight containers	Tonne		
Japan		3.63	22,088
Singapore		1.77	2,186
Others		0.71	1,954
TOTAL ..		6.11	26,228
Fish, boiled or steamed not in airtight containers	Tonne		
U. K.		0.19	1,742
Japan		0.12	1,602
Singapore		0.10	400
TOTAL ..		0.41	3,744
Other prepared or preserved fish, incl. caviar and caviar substitutes, not in airtight containers	Tonne		
New Zealand		53.73	134,627
U. S. A.		13.05	85,230
Thailand		35.00	72,569
U. K.		5.03	63,767
Others		44.13	49,404
TOTAL ..		150.94	405,597
Abalone in airtight containers	Tonne		
New Zealand		69.36	992,273
Australia		68.93	770,175
U. S. A.		17.49	205,699
Mexico		14.98	155,484
Chile		5.71	103,846
Others		3.49	69,940
TOTAL ..		179.96	2,297,417
Prawns and shrimps in airtight containers	Tonne		
Singapore		8.79	50,071
Australia		18.33	36,658
Taiwan		4.40	17,897
China		7.76	15,527
Germany		0.06	10,382
Others		0.95	1,924
TOTAL ..		40.29	132,459

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IMPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF ORIGIN, 1981—(cont.)

(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin										Unit of Quantity	Quantity	Value \$
Crabs in airtight containers										Tonne		
Singapore	..	..	..	..	..	..	..	..	..		13.45	140,478
Thailand	..	..	..	..	..	..	..	..	..		17.11	25,437
Japan	..	..	..	..	..	..	..	..	..		3.46	24,930
Others	..	..	..	..	..	..	..	..	..		0.88	3,890
TOTAL										..	34.90	194,735
Cuttlefish in airtight containers										Tonne		
Thailand	..	..	..	..	..	..	..	..	..		226.12	447,600
Singapore	..	..	..	..	..	..	..	..	..		28.20	135,081
China	..	..	..	..	..	..	..	..	..		19.95	53,968
Hong Kong	..	..	..	..	..	..	..	..	..		3.63	8,362
Japan	..	..	..	..	..	..	..	..	..		0.63	5,769
TOTAL										..	278.53	650,780
Other crustaceans and molluscs prepared or preserved not in airtight containers										Tonne		
Korea, Rep. of	..	..	..	..	..	..	..	..	..		16.21	74,564
Japan	..	..	..	..	..	..	..	..	..		2.09	33,189
China	..	..	..	..	..	..	..	..	..		14.22	31,237
Singapore	..	..	..	..	..	..	..	..	..		11.43	27,397
France	..	..	..	..	..	..	..	..	..		6.18	19,448
Others	..	..	..	..	..	..	..	..	..		6.63	17,569
TOTAL										..	56.76	203,404
Crustaceans and molluscs, prepared or preserved, not in airtight containers										Tonne		
Thailand	..	..	..	..	..	..	..	..	..		1,073.93	3,886,499
Singapore	..	..	..	..	..	..	..	..	..		130.78	568,376
China	..	..	..	..	..	..	..	..	..		23.03	92,141
Japan	..	..	..	..	..	..	..	..	..		19.89	75,273
Netherlands	..	..	..	..	..	..	..	..	..		6.10	74,582
Australia	..	..	..	..	..	..	..	..	..		10.82	43,272
New Zealand	..	..	..	..	..	..	..	..	..		2.22	40,668
Others	..	..	..	..	..	..	..	..	..		3.04	17,838
TOTAL										..	1,269.81	4,798,649
Fish liver oil										Tonne		
Norway	..	..	..	..	..	..	..	..	..		18.34	36,686
U. K.	..	..	..	..	..	..	..	..	..		0.54	9,394
Australia	..	..	..	..	..	..	..	..	..		0.05	60
TOTAL										..	18.93	46,140

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(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Origin</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Other fish oils and fats	Tonne		
U. K.		2.18	9,815
Indonesia		9.70	7,760
Norway		1.10	2,700
Japan		0.47	1,413
Hong Kong		0.00	30
TOTAL . .		13.45	21,718
Oil and fats of marine mammals	Tonne		
U. K.		0.20	1,820
Taiwan		0.02	90
TOTAL . .		0.22	1,910
Fish meal not for human consumption	Tonne		
Thailand		24,568.71	11,436,051
Indonesia		235.49	132,759
Netherlands		531.05	215,243
Brazil		110.66	105,941
Chile		51.29	67,156
Singapore		45.97	35,220
U. S. A.		0.59	20,973
Others		49.17	26,073
TOTAL . .		25,592.93	12,039,416
Prawn dust not for human consumption	Tonne		
Thailand		725.73	75,218
Indonesia		11.75	3,020
Taiwan		0.66	432
Burma		0.86	408
TOTAL . .		739.00	79,078
Flours and meals of crustaceans or molluscs, not for human consumption	Tonne		
Germany		0.20	30,603
Thailand		23.75	10,213
China		8.78	1,905
Australia		0.28	181
TOTAL . .		33.01	42,902
Soups and broths in liquid, solid or powder form of fish, crustaceans and molluscs	Tonne		
Japan		1.50	20,658
Switzerland		0.57	4,288
Irish Rep.		0.27	1,638
Others		0.29	2,110
TOTAL . .		2.63	28,694

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(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin										Unit of Quantity	Quantity	Value \$
Homogenised composite food preparations of fish, crustaceans and molluscs										Tonne		
Singapore	..	..	..	..	..	..	..	..	..		3.14	27,013
Japan	..	..	..	..	..	..	..	..	..		0.76	6,745
France	..	..	..	..	..	..	..	..	..		0.02	815
U. S. A.	..	..	..	..	..	..	..	..	..		0.00	15
TOTAL											3.92	34,588
Turtles' eggs										100		
Indonesia	..	..	..	..	..	..	..	..	..		57.00	2,997
TOTAL											57.00	2,997
Fish waste										Tonne		
Philippines	..	..	..	..	..	..	..	..	..		0.54	19,348
Indonesia	..	..	..	..	..	..	..	..	..		20.52	13,467
Thailand	..	..	..	..	..	..	..	..	..		0.36	300
TOTAL											21.42	33,115
Coral etc. unworked										Tonne		
Sabah	..	..	..	..	..	..	..	..	..		2.52	5,331
Thailand	..	..	..	..	..	..	..	..	..		1.44	4,359
New Zealand	..	..	..	..	..	..	..	..	..		1.95	2,076
Others	..	..	..	..	..	..	..	..	..		12.36	2,985
TOTAL											18.27	14,751
Natural sponges										Tonne		
Japan	..	..	..	..	..	..	..	..	..		0.12	3,635
Singapore	..	..	..	..	..	..	..	..	..		0.09	960
U. S. A.	..	..	..	..	..	..	..	..	..		0.03	157
U. K.	..	..	..	..	..	..	..	..	..		0.01	86
TOTAL											0.25	4,838
Other products of fish, crustaceans and molluscs, unfit for human consumption										Tonne		
Indonesia	..	..	..	..	..	..	..	..	..		0.27	1,354
U. S. A.	..	..	..	..	..	..	..	..	..		1.47	4,266
Japan	..	..	..	..	..	..	..	..	..		0.12	1,165
Taiwan	..	..	..	..	..	..	..	..	..		0.40	1,092
Singapore	..	..	..	..	..	..	..	..	..		0.06	582
TOTAL											2.32	8,459

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(Value in Malaysian Dollars)

Description of Commodity and Countries of Origin		Unit of Quantity	Quantity	Value \$
Belacan		Tonne		
Indonesia			159.93	32,288
Singapore			10.13	4,149
TOTAL ..			170.06	36,437
Crude fish fertilizers		Tonne		
U. S. A.			2.72	8,151
TOTAL ..			2.72	8,151
Fish glues		Tonne		
Singapore			0.42	1,785
TOTAL ..			0.42	1,785
Pearls (not set or strung)-cultured		Value		
Japan			0.00	60,747
Australia			0.00	31,335
Germany			0.00	24,279
Singapore			0.00	12,383
Indonesia			0.00	299
TOTAL ..			0.00	129,043
Pearls (not set or strung)-other		Value		
Hong Kong			0.00	16,428
Japan			0.00	10,399
TOTAL ..			0.00	26,827
Sea-weed products		Tonne		
China			67.42	202,887
Korea, Rep. of			31.49	93,362
Taiwan			20.19	67,487
Japan			26.47	65,368
Hong Kong			2.03	19,047
Others			15.05	12,778
TOTAL ..			162.65	460,929
Sea-grass		Tonne		
China			91.24	53,387
Taiwan			34.58	16,841
Hong Kong			7.35	5,842
Others			1.06	2,941
TOTAL ..			134.23	79,011

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
EKSPORT BARANGAN PERIKANAN MENGIKUT JENIS DAN NEGERI-NEGERI DESTINASI, 1981
EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF DESTINATION, 1981
 (Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Fish fry, alive	1000		
Sabah		30.72	5,619
Sarawak		6.53	3,318
Singapore		6.44	2,663
TOTAL ..		43.69	11,600
Fish for aquaria, alive	100		
Singapore		40,231.83	225,977
Sabah		380.48	10,736
Sarawak		112.52	5,616
Hong Kong		372.22	4,192
Others		65.40	950
TOTAL ..		41,162.45	247,471
Tuna, fresh, chilled	Tonne		
Singapore		0.36	937
TOTAL ..		0.36	937
Sauries, fresh, chilled	Tonne	—	—
TOTAL ..		—	—
Marine fish-other than tuna and sauries, fresh, chilled	Tonne		
Singapore		31,284.82	17,361,300
Sarawak		171.44	342,794
Thailand		1,442.57	755,927
Japan		14.11	48,512
Indonesia		45.26	26,756
U. K.		11.00	25,798
Others		10.84	17,996
TOTAL ..		32,980.04	18,579,083
Freshwater fish, fresh, chilled	Tonne		
Singapore		74.81	75,573
Thailand		25.73	12,004
U. K.		0.06	180
TOTAL ..		100.60	87,757
Fish fillets, fresh or chilled	Tonne		
Sarawak		2.04	2,084
TOTAL ..		2.04	2,084

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DESTINASI, 1981—(samb.)
 EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
 DESTINATION, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Tuna frozen	Tonne		
U. S. A.		77.33	404,200
Japan		40.11	149,356
Indonesia		0.01	105
Singapore		0.07	56
TOTAL		117.52	553,717
Sauries, frozen	Tonne	—	—
TOTAL		—	—
Marine fish-other than tuna and sauries, frozen	Tonne		
<u>Sarawak</u>		749.96	1,414,049
Japan		73.68	345,136
Singapore		129.40	81,577
U. K.		11.05	23,565
Others		4.46	15,458
TOTAL		968.55	1,879,785
Freshwater fish, frozen	Tonne		
Singapore		8.00	7,996
TOTAL		8.00	7,996
Fish fillets, frozen	Tonne		
Singapore		2.87	12,839
<u>Sarawak</u>		0.80	3,800
TOTAL		3.67	16,639
Fish meal fit for human consumption	Tonne		
Singapore		0.28	5,600
U. K.		0.02	286
Sabah		0.10	92
TOTAL		0.40	5,978
Cod, not in fillets, dried	Tonne		
<u>Sarawak</u>		12.18	23,326
Singapore		1.15	3,560
Australia		0.00	5
TOTAL		13.33	26,891
Fishmaws (excl. cod) dried, salted or in brine	Tonne		
<u>Sarawak</u>		19.54	29,315
Singapore		2.30	16,645
Indonesia		0.06	79
TOTAL		21.90	46,039

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EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Sharks' fins dried, salted or in brine	Tonne		
Sabah		7.41	342,962
Sarawak		2.55	76,409
Others		1.84	6,955
TOTAL ..		11.80	426,326
Other marine fish (excl. cod) dried, salted or in brine	Tonne		
Singapore		4,473.36	3,487,231
Japan		196.35	1,487,940
Sarawak		561.33	1,342,763
Australia		11.04	146,032
Netherlands		27.93	141,884
Hong Kong		32.29	131,571
Thailand		192.37	117,822
Indonesia		83.25	46,494
Italy		12.00	28,059
Others		96.84	37,324
TOTAL ..		5,686.76	6,967,120
Freshwater fish dried, salted or in brine	Tonne		
Singapore		61.61	74,595
Sarawak		3.23	18,338
Hong Kong		3.00	12,539
Others		2.53	8,934
TOTAL ..		70.37	114,406
Smoked salmon	Tonne		
Sabah		0.01	398
Indonesia		0.00	15
TOTAL ..		0.01	413
Other fish smoked, excl. salmon	Tonne		
Singapore		193.15	350,128
Japan		41.97	125,911
Sarawak		2.99	29,618
Others		0.37	2,690
TOTAL ..		238.48	508,347
Prawns, fresh, chilled	Tonne		
Singapore		3,367.35	3,886,162
Sabah		0.80	3,503
TOTAL ..		3,368.15	3,889,665

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DESTINASI, 1981—(samb.)
EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Prawns, fresh, frozen	Tonne		
Japan		1,332.21	24,289,433
Australia		61.40	1,237,550
Netherlands		107.04	964,065
Italy		62.03	678,960
Spain		39.00	492,167
U. S. A.		53.34	459,645
Hong Kong		62.37	266,213
Sweden		38.97	252,932
New Zealand		25.89	227,238
Others		87.75	530,597
TOTAL ..		1,870.00	29,398,800
Prawns, salted, in brine, dried or simply boiled	Tonne		
Japan		332.20	2,398,815
Singapore		539.50	381,181
Sarawak		25.40	104,114
Australia		6.00	74,291
Netherlands		1.80	22,399
Others		10.22	3,886
TOTAL ..		915.12	2,984,686
Other prawns	Tonne		
Japan		16.36	107,461
Singapore		56.11	43,359
Australia		3.40	38,689
Others		7.64	17,117
TOTAL ..		83.51	206,626
Crustaceans (excl. prawns)-fresh, chilled or frozen	Tonne		
Japan		104.80	830,484
Singapore		173.33	157,581
Italy		19.20	45,182
Sabah		2.36	16,653
Sarawak		0.66	12,195
Others		9.27	8,352
TOTAL ..		309.62	1,070,447
Crustaceans (excl. prawns)-salted, in brine, dried or simply boiled	Tonne		
Singapore		3.98	12,243
Australia		0.01	5
Qatar		0.01	4
TOTAL ..		4.00	12,252

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DESTINASI, 1981—(samb.)
EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Crustaceans (excl. prawns)-others	Tonne		
Sarawak		79.86	163,426
Singapore		19.13	22,861
Others		1.60	2,167
TOTAL ..		100.59	188,454
Oysters	Tonne		
Singapore		12.28	19,659
Sabah		4.00	1,444
Sarawak		0.12	1,000
TOTAL ..		16.40	22,103
Molluscs (excl. oysters) fresh, chilled, frozen	Tonne		
Japan		1,117.80	5,169,747
Thailand		21,024.12	3,785,907
Singapore		8,735.17	3,107,094
Italy		539.74	1,553,748
Spain		77.71	395,338
Sarawak		380.34	350,752
Australia		57.32	320,160
Hong Kong		92.11	247,603
Netherlands		65.59	129,967
Others		87.92	301,498
TOTAL ..		32,177.82	15,361,814
Molluscs (excl. oysters)-salted, in brine, dried or simply boiled	Tonne		
Japan		2,370.26	10,377,620
Hong Kong		92.96	411,892
Singapore		202.38	182,146
Canada		6.90	56,083
Korea, Rep. of		8.64	44,693
Sarawak		5.39	44,058
U. S. A.		3.83	35,228
Others		3.41	2,390
TOTAL ..		2,693.77	11,154,110
Molluscs (excl. oysters)-others	Tonne		
Japan		146.05	601,953
Sarawak		51.19	74,723
Singapore		51.75	49,134
U. S. A.		2.49	14,773
Others		11.32	3,618
TOTAL ..		262.80	744,201

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EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
 (Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Beche-de-mer (trepang) fresh, chilled or frozen	Tonne		
Singapore		0.60	1,153
TOTAL ..		0.60	1,153
Beche-de-mer (trepang) salted, in brine, dried or smoked	Tonne		
Singapore		2.82	10,935
TOTAL ..		2.82	10,935
Sardines in airtight containers	Tonne		
Indonesia		291.77	568,845
Sabah		150.00	413,770
Australia		170.96	324,858
Sarawak		203.91	298,197
Sri Lanka		263.75	245,305
Singapore		67.47	107,169
Others		63.33	159,875
TOTAL ..		1,211.19	2,118,019
Herrings and brislings in airtight containers	Tonne		
Sarawak		0.68	2,090
Sabah		0.47	2,089
Singapore		0.12	396
TOTAL ..		1.27	4,575
Pilchards in airtight containers	Tonnes		
U. S. A.		27.74	275,459
U. K.		13.34	155,881
Singapore		77.27	105,476
Spain		0.48	5,040
TOTAL ..		118.83	541,856
Salmon in airtight containers	Tonne		
Saudi Arabia		16.91	37,588
Sarawak		3.36	7,699
Sabah		1.76	6,187
Singapore		0.12	525
TOTAL ..		22.15	51,999
Sauries in airtight containers	Tonne		
Sabah		5.91	15,576
Sarawak		1.77	7,766
Brunei		2.10	6,744
Indonesia		0.04	28
TOTAL ..		9.82	30,114

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EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Tuna in airtight containers	Tonne		
Switzerland		559.91	5,002,230
Canada		348.86	3,316,491
Sweden		1,682.74	3,215,348
Iraq		452.09	2,676,755
U. S. A.		294.86	2,599,944
Germany		375.37	2,475,736
Denmark		229.74	2,007,009
U. K.		127.52	1,100,323
Netherlands		164.29	1,013,943
Others		541.72	2,737,987
TOTAL ..		4,777.10	26,145,766
Horse mackerels in airtight containers	Tonne		
Indonesia		416.15	553,536
Sarawak		230.54	334,273
United Arab Emirates		87.67	180,662
Singapore		68.33	134,714
Sri Lanka		97.44	106,268
Others		73.56	133,401
TOTAL ..		973.69	1,442,854
Other prepared or preserved fish, incl. caviar and caviar substitutes, in airtight containers	Tonne		
Sabah		993.63	2,394,604
Sarawak		644.66	1,841,139
Singapore		206.56	598,020
U. S. A.		52.14	529,150
Sweden		8.64	150,939
Canada		4.69	76,892
U. K.		5.02	59,484
Others		44.62	111,563
TOTAL ..		1,959.96	5,761,791
Sharks' fins, prepared, not in airtight containers	Tonne		
Sabah		0.20	5,380
TOTAL ..		0.20	5,380
Fish paste and similar preparations not in airtight containers	Tonne		
Singapore		31.64	37,638
Others		4.22	12,081
TOTAL ..		35.86	49,719

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DESTINASI, 1981—(samb.)
EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Fish, boiled or steamed not in airtight containers	Tonne		
Singapore		2.96	8,904
Mauritius		1.19	2,500
Sarawak		0.04	689
TOTAL ..		4.19	12,093
Other prepared or preserved fish, incl. caviar and caviar substitutes, not in airtight containers	Tonne		
Singapore		243.01	429,477
Sabah		25.44	99,531
Sarawak		11.86	40,610
Netherlands		2.50	30,725
Others		12.34	39,942
TOTAL ..		295.15	640,285
Abalone in airtight containers	Tonne		
U. K.		31.99	254,273
Sarawak		18.00	49,222
Sabah		4.80	15,987
Others		2.94	4,565
TOTAL ..		57.73	324,047
Prawns and shrimps in airtight containers	Tonne		
U. K.		561.25	5,345,513
Netherlands		151.82	821,175
Sarawak		187.16	629,073
Sabah		156.09	551,341
Japan		82.51	518,975
Singapore		183.17	425,000
France		61.87	248,701
Belgium		38.56	223,700
Germany		15.00	135,200
Others		25.61	259,368
TOTAL ..		1,463.04	9,158,046
Crabs in airtight containers	Tonne		
U. S. A.		165.07	1,697,933
France		98.86	1,029,221
Australia		91.44	972,453
Sweden		29.27	369,125
Belgium		22.68	235,160
Denmark		21.01	191,668
U. K.		13.34	145,392
Singapore		80.17	117,558
Others		8.68	76,110
TOTAL ..		530.52	4,834,620

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
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EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Cuttlefish in airtight containers	Tonne		
Sabah		1,826.44	654,124
Singapore		219.25	506,117
Sarawak		219.99	465,996
Others		17.74	93,377
TOTAL ..		2,283.42	1,719,614
Other crustaceans and molluscs prepared or preserved, in airtight containers	Tonne		
Sarawak		408.59	1,212,741
Sabah		228.33	795,755
Singapore		156.80	459,950
U. S. A.		47.17	210,432
Australia		10.73	128,019
Netherlands		17.38	85,830
Others		11.21	45,362
TOTAL ..		880.21	2,938,089
Crustaceans and molluscs, prepared or preserved, not in airtight containers	Tonne		
Australia		2,432.63	33,117,090
Netherlands		3,516.54	24,427,600
U. K.		2,585.94	21,201,305
Belgium		1,158.13	8,002,252
Germany		606.37	4,940,377
New Zealand		280.10	3,893,994
Sweden		176.46	1,449,831
U. S. A.		124.00	787,785
France		91.07	611,473
Others		634.26	2,283,147
TOTAL ..		11,605.50	100,714,854
Fish liver oil	Tonne		
Sarawak		1.80	4,810
Sabah		0.90	2,891
Indonesia		0.04	344
U. K.		0.20	114
TOTAL ..		2.94	8,159
Other fish oils and fats	Tonne		
Sarawak		0.93	1,756
TOTAL ..		0.93	1,756
Oils and fats of marine mammals	Tonne	—	—
TOTAL ..		—	—

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
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EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Fish meal not for human consumption	Tonne		
Singapore		1,011.07	232,326
Switzerland		23.47	66,975
Denmark		11.42	25,804
U. S. A.		12.24	23,411
Others		5.91	10,149
TOTAL ..		1,064.11	358,665
Prawn dust not for human consumption	Tonne		
Singapore		157.90	29,879
Indonesia		52.00	13,916
TOTAL ..		209.90	43,795
Flours and meals of crustaceans or molluscs, not for human consumption	Tonne		
Singapore		849.70	127,502
U. S. A.		24.48	47,637
Denmark		11.42	25,797
Hong Kong		0.18	1,433
Sarawak		0.47	946
TOTAL ..		886.25	203,315
Soups and broths in liquid, solid or powder form of fish, crustaceans and molluscs	Tonne		
Sabah		0.80	10,396
Singapore		0.91	2,718
Sarawak		0.04	1,036
Hong Kong		0.07	246
TOTAL ..		1.82	14,396
Homogenised composite food preparations of fish, crustaceans and molluscs	Tonne		
Sabah		1.19	16,962
Sarawak'		0.67	6,646
Netherlands		0.02	20
TOTAL ..		1.88	23,628
Turtles' eggs	100	—	—
TOTAL ..		—	—
Fish waste	Tonne		
Singapore		0.88	725
TOTAL ..		0.88	725

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EXPORTS OF FISHERY COMMODITIES BY TYPE AND COUNTRIES OF
DESTINATION, 1981—(cont.)
(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>	<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Coral etc. unworked	Tonne		
Singapore		5,519.67	127,337
U. K.		1.36	9,240
Hong Kong		38.19	9,215
Others		4.04	8,184
TOTAL ..		5,563.26	153,976
Natural Sponges	Tonne		
Sabah		0.06	822
Sarawak		0.12	737
Singapore		0.02	255
TOTAL ..		0.20	1,814
Other products of fish, crustaceans and molluscs, unfit for human consumption	Tonne		
Australia		1.46	10,929
U. K.		1.26	8,571
Singapore		1.62	2,918
Indonesia		2.00	300
TOTAL ..		6.34	22,718
Belachan	Tonne		
Thailand		6,312.29	1,452,000
Singapore		654.70	618,498
Sarawak		177.01	217,189
Netherlands		28.48	114,399
Sabah		37.13	79,558
Hong Kong		21.23	51,023
Others		6.32	20,680
TOTAL ..		7,237.16	2,553,347
Crude fish fertilizers	Tonne	—	—
TOTAL ..		—	—
Fish glues	Tonne		
Sarawak		0.01	37
TOTAL ..		0.01	37
Pearls (not set or strung)-cultured	Value		
Germany		0.00	5,503
TOTAL ..		0.00	5,503
Pearls (not set or strung)-other	Value	—	—
TOTAL ..		—	—

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 DESTINATION, 1981—(cont.)

(Value in Malaysian Dollars)

<i>Description of Commodity and Countries of Destination</i>										<i>Unit of Quantity</i>	<i>Quantity</i>	<i>Value \$</i>
Sea-weed products										Tonne		
Belgium	..	..	..	..	..	..	..	..	..		170.00	85,116
Sabah	..	..	..	..	..	..	..	..	..		8.29	6,543
Singapore	..	..	..	..	..	..	..	..	..		6.78	3,544
Thailand	..	..	..	..	..	..	..	..	..		6.00	3,000
TOTAL ..											191.07	98,203
Sea-grass										Tonne		
Singapore	..	..	..	..	..	..	..	..	..		4.46	2,008
TOTAL ..											4.46	2,008

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI
ASAL DAN DESTINASI, 1981*
(IMPORT AND EXPORT OF FISHERIES COMMODITIES BY COUNTRIES OF
ORIGIN AND DESTINATION, 1981*)
(Quantity in M. Tonnes and Value in Malaysian Dollars)

Countries of Origin/Destination	IMPORTS		EXPORTS	
	Quantity	Value	Quantity	Value
Argentina	1.65	14,438	—	—
Australia	155.17	1,437,701	2,956.48	36,660,769
Austria	—	—	41.89	276,067
Bangladesh	51.76	213,144	—	—
Belgium	—	—	1,422.87	8,815,395
Brazil	110.71	106,109	—	—
Brunei	0.01	50	32.41	74,950
Burma	186.18	600,666	21.83	65,973
Canada	350.76	3,023,173	373.09	3,560,120
Chile	168.25	503,016	—	—
China	620.89	1,738,889	—	—
Denmark	15.42	123,060	292.15	2,479,855
Fiji	—	—	18.60	53,645
Finland	—	—	37.29	334,554
France	29.09	218,740	308.59	2,138,622
Germany	2.93	76,030	1,031.04	7,807,564
Hong Kong	414.58	2,254,274	362.60	1,187,296
India	126.44	455,329	0.05	100
Indonesia	4,037.20	10,212,204	918.65	1,252,024
Iran	2.01	1,274	6.02	26,950
Iraq	—	—	452.09	2,676,755
Irish Republic	0.28	1,900	—	—
Italy	0.88	6,042	632.97	2,305,949
Ivory Coast	0.45	1,800	—	—
Japan	14,442.80	41,971,437	5,904.76	46,792,089
Korea Republic of	417.36	2,863,785	8.64	44,693
Korea Democratic People's Republic of	47.94	265,665	—	—
Kuwait	—	—	151.33	677,096
Lebanon	0.06	253	—	—
Malta	—	—	0.70	6,641
Mauritius	—	—	9.70	28,150
Mexico	14.98	155,484	—	—
Netherlands	555.13	349,618	4,085.65	27,780,245
New Zealand	1,920.05	4,159,877	402.46	4,165,624
Norway	51.61	232,522	46.31	436,457
Pakistan	108.40	490,296	—	—
Peru	22.49	46,523	—	—
Philippines	57.52	496,621	—	—
Portugal	6.36	23,793	—	—
Qatar	—	—	0.03	14
Sabah	39.35	266,166	3,651.17	6,059,620
Saudi Arabia	—	—	88.29	308,851
Sarawak	32.11	62,709	4,248.92	9,374,008
Singapore	2,386.66	4,242,814	59,445.44	35,152,715
South Africa	62.36	57,050	—	—
Spain	0.26	2,320	117.19	892,545
Sri Lanka	1.84	11,515	391.71	386,184
Sweden	0.19	1,933	1,936.08	5,438,175
Switzerland	1.96	24,736	583.38	5,069,505
Taiwan	380.69	744,753	18.99	30,411
Thailand	114,854.79	76,784,648	29,040.66	6,202,881
United Arab Emirates	—	—	100.95	226,494
United Kingdom	40.48	374,653	3,365.31	28,355,595
U.S.A.	71.78	634,619	923.76	7,368,955
U.S.S.R.	23.20	26,146	—	—
Vietnam	10.05	85,361	—	—
Yemen People's Democratic Republic of	19.89	14,536	—	—
Yemen Arab Republic	2.67	2,677	—	—
Other countries in Central and South America	—	—	0.02	65
TOTAL	141,847.64	155,380,349	123,430.07	254,513,601

provisional figures.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
SERI TAHUNAN IMPORT BARANGAN PERIKANAN MENGIKUT JENIS, KUANTITI DAN NILAI
 (ANNUAL SERIES OF FISHERY COMMODITIES IMPORT BY TYPE, QUANTITY AND VALUE)
 (Quantity in M. Tonnes and Value in Malaysian dollars)

Description of Commodity	1977		1978		1979		1980		1981	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fish, Fresh, Chilled or Frozen (excluding fillets)	60,169.39	38,431,270	61,437.11	37,772,192	76,246.60	43,037,031	50,977.30	34,226,709	62,603.31	39,335,245
Fish-Dried, Salted, in Brine or Smoked	3,894.71	5,379,904	4,988.88	6,203,375	3,704.31	5,764,860	3,429.65	5,710,157	4,859.79	8,559,758
Crustaceans and Molluscs, Fresh, Chilled, Frozen, Dried, Salted, in Brine or Simply Boiled	22,648.33	14,326,631	35,233.44	17,565,571	36,303.58	27,287,012	31,264.63	23,792,368	30,249.74	43,261,195
Prepared or Preserved Fish in Airtight Containers	12,533.13	24,934,284	12,105.75	26,041,945	7,418.87	32,977,458	21,053.66	44,259,738	15,198.08	42,388,274
Prepared or Preserved Fish not in Airtight Containers ..	130.45	422,045	260.79	862,828	189.49	562,290	69.87	316,537	160.04	457,644
Prepared or Preserved Crustaceans and Molluscs in Airtight Containers	1,080.67	1,897,117	219.47	1,915,949	291.55	2,333,229	572.98	2,887,148	590.44	3,478,795
Prepared or Preserved Crustaceans and Molluscs not in Airtight Containers	545.20	1,200,872	1,142.86	2,259,615	1,137.28	2,558,421	1,390.57	3,274,060	1,269.81	4,798,649
Fats and Oils, of Fish and Marine Mammals	93.51	180,081	612.76	551,648	270.37	257,296	174.10	129,021	32.60	69,768
Flours and Meals, of Fish, Crustaceans and Molluscs Unfit for Human Consumption	17,405.75	8,387,337	33,731.48	16,083,919	32,513.57	15,817,969	30,224.24	14,722,973	26,364.94	12,161,396
Miscellaneous	134.70	78,047	231.31	511,583	279.47	640,829	662.46	899,511	518.89	869,625
TOTAL	118,635.84	95,237,588	149,963.85	109,768,625	158,355.09	131,236,395	139,819.46	130,218,222	141,847.64	155,380,349

SERI TAHUNAN EKSPORT BARANGAN PERIKANAN MENGIKUT JENIS, KUANTITI DAN NILAI
(ANNUAL SERIES OF FISHERY COMMODITIES EXPORT BY TYPE, QUANTITY AND VALUE)
 (Quantity in M. Tonnes and Value in Malaysian Dollars)

Description of Commodity	1977		1978		1979		1980		1981	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fish, Fresh, Chilled or Frozen (excluding fillets)	24,965.79	30,552,214	28,105.96	24,596,226	22,611.28	20,096,314	30,242.65	18,820,692	34,180.78	21,387,069
Fish-Dried, Salted, in Brine or Smoked	4,174.10	6,641,774	4,110.58	6,768,878	3,841.15	7,349,165	4,512.97	7,347,054	6,043.05	8,095,520
Crustaceans and Molluscs, Fresh, Chilled, Frozen, Dried, Salted, in Brine or Simply Boiled	34,578.57	99,809,175	61,306.83	131,426,093	67,261.17	236,477,544	39,208.95	103,967,895	41,805.20	65,045,246
Prepared or Preserved Fish in Airtight Containers	4,990.87	10,332,822	7,035.78	16,886,360	8,230.11	26,172,835	7,769.92	33,330,673	9,074.01	36,096,974
Prepared or Preserved Fish not in Airtight Containers ..	397.44	772,421	299.88	593,244	519.21	876,521	321.25	575,916	335.40	707,477
Prepared or Preserved Crustaceans and Molluscs in Airtight Containers	2,761.30	7,769,995	3,742.62	12,677,674	3,708.91	15,103,443	4,537.31	20,885,774	5,214.92	18,974,416
Prepared or Preserved Crustaceans and Molluscs not in Airtight Containers	202.34	257,715	944.01	4,132,279	355.82	895,508	6,953.51	54,787,979	11,605.50	100,714,854
Fats and Oils, of Fish and Marine Mammals	12.12	10,772	1.94	2,865	0.30	759	0.91	2,416	3.87	9,915
Flours and Meals, of Fish, Crustaceans or Molluscs Unfit for Human Consumption	5,207.78	1,350,200	3,046.02	804,165	3,416.95	786,321	2,231.84	580,919	2,160.26	605,775
Miscellaneous	30,741.97	2,200,527	15,518.36	2,267,073	15,618.35	2,251,676	19,426.80	3,063,662	13,007.08	2,876,355
TOTAL	108,032.28	159,697,615	124,111.98	200,154,857	125,563.25	310,010,086	115,206.11	243,362,980	123,430.07	254,513,601

Perikanan Airtawar
SEMENANJUNG MALAYSIA

Freshwater Fisheries
Peninsular Malaysia

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN KOLAM IKAN DAN BEKAS LOMBONG AIRTAWAR YANG DIUSAHAKAN DAN
BILANGAN PENTERNAK IKAN, 1981
 NUMBER OF FRESHWATER FISH PONDS AND MINING POOLS UNDER CULTURE AND NUMBER OF FISH
 CULTURISTS, 1981

Negeri State	KOLAM IKAN YANG DIUSAHAKAN FISH PONDS UNDER CULTURE		BEKAS KOLAM YANG DIUSAHAKAN MINING POOLS UNDER CULTURE		JUMLAH TOTAL		BILANGAN PENTERNAK IKAN NUMBER OF FISH CULTURISTS				Jumlah Total
	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	112	20.80	3	1.72	115	22.52	83	3	—	9	95
Kedah	520	128.74	19	22.73	539	151.47	306	17	1	26	350
Pulau Pinang	181	26.58	2	1.56	183	28.14	42	38	5	22	107
Perak	3,803	596.03	1,775	2,911.60	5,578	3,507.63	2,281	1,355	133	53	3,822
Selangor	842	175.37	195	210.28	1,037	385.65	477	195	53	78	803
Wilayah Persekutuan	10	2.84	3	3.75	13	6.59	1	4	—	—	5
Negeri Sembilan	3,041	414.62	217	117.14	3,258	531.76	2,037	342	12	17	2,408
Melaka	876	158.11	4	4.05	880	162.16	584	112	6	5	707
Johor	1,511	224.79	23	23.25	1,534	248.04	375	325	1	19	720
Pahang	1,526	285.74	36	30.26	1,562	316.00	1,016	147	7	31	1,201
Trengganu	686	102.81	12	7.20	698	110.01	567	18	—	—	585
Kelantan	744	111.30	6	3.20	750	114.50	604	15	1	—	620
JUMLAH TOTAL ..	13,852	2,247.73	2,295	3,336.74	16,147	5,584.47	8,373	2,571	219	260	11,423

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
ANGGARAN PENGELUARAN HASIL IKAN AIRTAWAR DARI KOLAM DAN BEKAS LOMBONG
MENGIKUT JENIS IKAN DAN NEGERI, 1981
ESTIMATED PRODUCTION OF FRESHWATER FISH FROM FISH PONDS AND MINING POOLS
BY TYPE OF FISH AND STATE, 1981

Negeri State	JENIS IKAN/TYPE OF FISH											Jumlah Ton M. Total M. Tonnes
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Haruan Snake Head	Jelawat River Carp	Keli Catfish	Pelbagai Miscellaneous	
Pertis.. .. .	2.95	0.78	0.75	0.61	—	2.26	5.29	0.09	—	0.02	1.39	14.14
Kedah	24.01	17.89	0.59	3.32	0.02	13.44	13.07	2.47	—	1.57	7.33	83.71
Pulau Pinang	44.98	13.07	—	—	—	21.24	13.45	0.35	—	0.17	—	93.26
Perak	1,083.16	105.23	38.23	—	—	3,993.09	1,201.71	5.61	68.05	109.44	—	6,604.52
Selangor	101.27	3.74	—	—	—	228.57	87.15	—	3.09	—	3.32	427.14
Wilayah Persekutuan	1.73	0.06	—	—	—	3.91	1.49	—	0.05	—	0.06	7.30
Negeri Sembilan	235.89	49.88	—	—	—	312.51	173.62	1.38	13.08	0.11	132.73	919.20
Melaka	81.32	13.98	10.27	—	—	48.99	1.60	3.84	—	0.36	52.31	212.67
Johor.. .. .	6.87	5.71	—	—	—	87.09	45.14	0.03	—	24.38	56.92	226.14
Pahang	148.62	107.35	—	—	—	77.70	35.61	1.99	—	0.66	0.82	372.75
Trengganu	40.35	32.63	0.02	—	0.11	32.96	23.09	0.62	—	0.04	1.41	131.23
Kelantan	30.15	29.04	—	—	0.12	40.45	35.17	0.57	—	—	2.65	138.15
JUMLAH TOTAL	1,801.30	379.36	49.86	3.93	0.25	4,862.21	1,636.39	16.95	84.27	136.75	258.94	9,230.21

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI BORONG PENGELUARAN HASIL IKAN AIRTAWAR DARI KOLAM DAN BEKAS LOMBONG
MENGIKUT JENIS IKAN DAN NEGERI, 1981
WHOLESALE VALUE OF FRESHWATER FISH PRODUCTION FROM FISH PONDS AND MINING
POOLS BY TYPE OF FISH AND STATE, 1981

(Nilai Dalam M\$/Value in M\$)

Negeri State	JENIS IKAN/TYPE OF FISH											Jumlah Ton M. Total M. Tonnes
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Tilapia	Udang Galah Freshwater Giant Prawn	Kap Rumpit Grass Carp	Kap Kepala Besar Big Head Carp	Haruan Snake Head	Jelawat River Carp	Keli Catfish	Pelbagai* Miscellaneous	
Perlis.. .. .	8,201	2,395	2,063	811	—	6,893	12,484	290	—	54	1,501	34,692
Kedah	66,748	54,922	1,623	4,416	300	40,992	30,845	7,953	—	4,223	7,917	219,939
Pulau Pinang	125,044	40,125	—	—	—	64,782	31,742	1,127	—	457	—	263,277
Perak	3,011,184	323,056	105,133	—	—	12,178,924	2,836,036	18,064	954,742	294,394	—	19,721,533
Selangor	281,531	11,482	—	—	—	697,139	205,674	—	43,353	—	3,585	1,242,764
Wilayah Persekutuan	4,809	184	—	—	—	11,923	3,517	—	702	—	65	21,200
Negeri Sembilan	655,774	153,131	—	—	—	953,155	409,743	4,444	183,512	296	143,348	2,503,403
Melaka	226,070	42,918	28,243	—	—	149,419	3,776	12,365	—	968	56,495	520,254
Johor	19,099	17,530	—	—	—	265,625	106,530	97	—	65,582	61,474	535,937
Pahang	413,164	329,564	—	—	—	236,985	84,040	6,408	—	1,776	886	1,072,823
Trengganu	112,173	100,174	55	—	1,650	100,528	54,493	1,996	—	108	1,523	372,700
Kelantan	83,817	89,153	—	—	1,800	123,373	83,001	1,835	—	—	2,862	385,841
JUMLAH TOTAL ..	5,007,614	1,164,634	137,117	5,227	3,750	14,829,738	3,861,881	54,579	1,182,309	367,858	279,656	26,894,363

* Termasuk/Includes Patin.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
NILAI RUNCIT PENGELUARAN HASIL IKAN AIRTAWAR DARI KOLAM DAN BEKAS KOLAM
MENGIKUT JENIS IKAN DAN NEGERI, 1981
 RETAIL VALUE OF FRESHWATER FISH PRODUCTION FROM FISH PONDS AND MINING
 POOLS BY TYPE OF FISH AND STATE, 1981

(Nilai Dalam M\$/Value in M\$)

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Negeri State	JENIS IKAN/TYPE OF FISH											Jumlah Ton M. Total M. Tonnes
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Gajah Freshwater Giant Prawn	Kap Rumput Grass Carp	Kap Kepala Besar Big Head Carp	Haruan Snake Head	Jelawat River Carp	Keli Catfish	Pelbagai* Miscellaneous	
Perlis.. .. .	10,237	2,863	2,407	1,281	—	8,611	16,240	351	—	69	2,419	44,478
Kedah	83,315	65,656	1,894	6,972	348	51,206	40,125	9,633	—	5,448	12,754	277,351
Pulau Pinang	156,081	47,967	—	—	—	80,924	41,292	1,365	—	590	—	328,219
Perak	3,758,565	386,194	122,718	—	—	15,213,673	3,689,250	21,879	1,364,402	379,757	—	24,936,438
Selangor	351,407	13,726	—	—	—	870,852	267,550	—	61,955	—	5,777	1,571,267
Wilayah Persekutuan	6,003	220	—	—	—	14,897	4,574	—	1,003	—	104	26,801
Negeri Sembilan	818,538	183,059	—	—	—	1,190,663	533,013	5,382	262,254	382	230,950	3,224,241
Melaka	282,180	51,307	32,967	—	—	186,652	4,912	14,976	—	1,249	91,019	665,262
Johor.. .. .	23,839	20,956	—	—	—	331,813	138,580	117	—	84,599	99,041	698,945
Pahang	515,711	393,974	—	—	—	296,037	109,323	7,761	—	2,290	1,427	1,326,523
Trengganu	140,015	119,752	64	—	1,913	125,578	70,886	2,418	—	139	2,453	463,218
Kelantan	104,620	106,576	—	—	2,087	154,114	107,972	2,223	—	—	4,611	482,203
JUMLAH TOTAL	6,250,511	1,392,250	160,050	8,253	4,348	18,525,020	5,023,717	66,105	1,689,614	474,523	450,555	34,044,946

* Termasuk/Includes Ikan Patin.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENGELUARAN BENIH IKAN AIRTAWAR OLEH PUSAT-PUSAT PENGELUARAN, 1981
 FRESHWATER FISH FRY PRODUCTION BY STATION, 1981

PUNCA/SOURCE	JENIS BENIH IKAN/SPECIES OF FISH FRY											JUMLAH/TOTAL
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gourami	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gourami	Siakap Snapper	Patin/River Catfish	Kap Rumpul Grass Carp	Kap Kepala Besar/Big Head Carp	Kap Cermin Mirror Carp	
Institut Penyelidikan Perikanan, Pulau Pinang <i>Fisheries Research Institute, Penang</i>	—	—	—	—	1,224,500	—	—	—	—	—	—	1,224,500
Pusat Pembaikbiak Ikan, Jitra, Kedah <i>Fish Breeding Station, Jitra, Kedah</i>	716,642	156,514	31,389	94,176	—	—	—	—	—	—	—	998,721
Pusat Pembaikbiak Ikan, Enggor, Perak <i>Fish Breeding Station, Enggor, Perak</i>	806,354	48,645	41,123	—	—	950	—	—	—	—	—	897,072
Pusat Pembaikbiak Ikan, Tapah, Perak <i>Fish Breeding Station, Tapah, Perak</i>	948,129	5,075	354,686	—	—	1,205	—	—	—	—	—	1,309,095
Pusat Pembaikbiak Ikan, Machang, Kelantan <i>Fish Breeding Station, Machang, Kelantan</i>	28,155	400,190	6,210	—	—	—	—	—	—	—	—	434,555
Pusat Pembaikbiak Ikan, Bukit Tinggi, Pahang <i>Fish Breeding Station, Bukit Tinggi, Pahang</i>	703,784	212,942	—	5	—	—	—	—	—	—	—	916,731
Pusat Percubaan Menternak Ikan, Cameron Highland, Pahang <i>Fish Culture Experimental Station, Cameron Highland, Pahang</i>	—	174,340	—	—	—	—	—	—	—	—	6	174,346
Pusat Pembaikbiak Ikan, Kong-Kong, Johor <i>Fish Breeding Station, Kong-Kong, Johor</i>	80,390	9,240	—	—	—	—	—	—	—	—	—	89,630
Pusat Penetasan Udang Galah, Port Dickson, Negeri Sembilan <i>Prawn Hatchery Station, Port Dickson, Negeri Sembilan</i>	—	—	—	—	458,560	—	—	—	—	—	—	458,560
Subsidi <i>Subsidies</i>	—	—	—	—	—	—	1,000	6,670	336,196	168,626	—	512,492
JUMLAH/TOTAL	3,283,454	1,006,946	433,408	94,181	1,683,060	2,155	1,000	6,670	336,196	168,626	6	7,015,702

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIR TAWAR, 1981
DISTRIBUTION OF FRESHWATER FISH FRY, 1981

Negeri/State	Kepada Penternak (To Farmers)										JUMLAH/TOTAL
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gourami	Siakap Snapper	Patin/River Catfish	Kap Rumpot Grass Carp	Kap Kepala Besar/Big Head Carp	
Pertis	28,400	12,935	3,895	12,145	—	—	—	—	4,860	2,270	64,505
Kedah	182,192	83,624	23,684	66,336	170,000	—	—	—	19,830	9,520	555,186
Pulau Pinang	6,570	3,125	—	185	20,000	—	—	—	7,145	1,685	38,710
Perak	419,893	26,120	196,364	—	—	955	1,000	250	96,825	24,240	765,647
Selangor	93,460	14,950	68,030	1,000	16,760	—	—	—	42,487	13,289	249,976
Wilayah Persekutuan	1,065	245	—	—	—	—	—	—	—	—	1,310
Negeri Sembilan	480,148	163,990	7,535	—	195,700	—	—	—	22,561	14,714	884,648
Melaka	180,660	86,500	—	—	166,700	—	—	3,070	9,081	6,015	452,026
Johor	114,170	27,510	—	2,000	—	—	—	3,350	15,300	9,500	171,830
Pahang	151,108	68,894	3,880	—	—	—	—	—	32,635	14,480	270,997
Trengganu	232,508	165,813	1,770	—	55,000	—	—	—	32,905	41,395	529,391
Kelantan	112,905	75,550	—	—	90,000	—	—	—	52,567	31,518	362,540
Jumlah/Total	2,003,079	729,256	305,158	81,666	714,160	955	1,000	6,670	336,196	168,626	4,346,766

JADUAL (TABLE) 5.6—(samb.) (cont.)

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN AIR TAWAR, 1981—(samb.)
DISTRIBUTION OF FRESHWATER FISH FRY, 1981—(cont.)

Negeri/State	Pelepasan Ke dalam Perairan Umum Stocking in Open and Impounded Water					Kegunaan Pelbagai Research and Miscellaneous Purpose								JUMLAH BESAR GRAND TOTAL
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia/Tilapia	JUMLAH/ TOTAL	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gourami	Cap Cermin Mirror Carp	Jumlah Total	
Perlis.. .. .	23,000	—	—	7,000	30,000	200	200	200	200	—	—	—	800	95,305
Kedah	207,000	17,000	—	—	224,000	1,700	1,610	410	1,510	35,000	—	—	40,230	819,416
Pulau Pinang	—	—	—	—	—	15,000	13,750	3,000	3,300	500	—	—	35,550	74,260
Perak	395,000	19,000	2,000	—	416,000	35,235	515	19,500	500	—	1,200	6	56,956	1,238,603
Selangor	—	500	90,000	—	90,500	—	3,000	—	—	—	—	—	3,000	343,476
Wilayah Persekutuan	—	—	—	—	—	250	650	—	5	—	—	—	905	2,215
Negeri Sembilan	50,000	—	—	—	50,000	—	—	—	—	—	—	—	—	934,648
Melaka	2,000	—	—	—	2,000	—	—	—	—	—	—	—	—	454,026
Johor.. . . .	—	—	—	—	—	—	—	—	—	24,200	—	—	24,200	196,030
Pahang	44,000	3,000	8,500	—	55,500	289,720	153,005	—	—	8,000	—	—	450,725	777,222
Trengganu	2,300	11,710	—	—	14,010	121,000	53,750	4,040	—	—	—	—	178,790	722,191
Kelantan	—	—	600	—	600	93,970	—	—	—	—	—	—	93,970	457,110
Majuikan	—	—	—	—	—	—	—	—	—	881,200	—	—	881,200	881,200
Risda	—	—	—	—	—	—	—	—	—	20,000	—	—	20,000	20,000
JUMLAH/TOTAL	723,300	51,210	101,100	7,000	882,610	557,075	226,480	27,150	5,515	968,900	1,200	6	1,786,326	7,015,702

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENJUALAN IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN JENIS IKAN, 1981
SALE OF FRESHWATER FISH AT MAJOR MARKETS BY STATE AND TYPE OF FISH, 1981

(Kuantiti dalam Ton M/Quantity in M. Tonnes)

JENIS IKAN/TYPE OF FISH		Perlis	Kedah	Pulau Pinang	Perak	Selangor	Wilayah Persekutuan	Negeri Sembilan	Melaka	Johor	Pahang	Trengganu	Kelantan	Jumlah Ton M. Total M. Tonnes
Nama Tempatan Local Name	Nama Saintifik Scientific Name													
Baung	Mystus nemurus	—	—	—	8.22	—	—	0.07	—	14.22	0.52	—	—	23.03
Belida	Notopetrus chittala	—	—	—	10.19	—	—	—	—	8.17	0.55	—	0.01	18.92
Bujuk	Ophicephalus lucius	—	—	—	0.54	—	—	—	—	—	—	—	—	0.54
Haruan	Ophicephalus striatus	—	0.16	—	93.67	1.01	—	1.37	1.42	3.33	1.29	—	0.20	102.45
Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	0.12	2.12	0.25	—	—	2.49
Jelawat Kolam	—	—	—	—	—	—	—	—	—	—	0.02	—	—	0.02
Jelawat Sungai	—	—	—	—	—	—	—	—	0.24	—	0.05	—	—	0.29
Kalui	Osphronemus goramy	—	—	—	—	—	—	—	—	—	0.86	—	—	0.86
Kap Rumput	Ctenopharyngodon idella	—	1.04	2.51	112.08	95.20	16.98	41.59	13.56	13.31	2.88	*	0.73	299.88
Kap Lumpur	Cirrhinia molitorella	—	—	—	1.26	—	—	—	—	—	0.52	—	—	1.78
Kelah	Tor tambroides	—	—	—	—	—	—	—	—	—	0.28	—	0.03	0.31
Keli	Clarias batrachus	—	0.10	0.30	132.32	2.55	0.59	8.54	0.97	3.87	5.72	—	0.19	155.15
Ketutu	Oxyeleotris marmoratus	—	—	—	27.17	0.01	—	1.16	—	0.30	0.01	—	—	28.65
Kap Kepala Besar	Aristichthys nobilis	—	0.54	8.58	97.41	92.32	0.55	34.53	6.76	15.43	1.32	—	0.96	258.40
Kerai Kunyit	Puntius daruphani	—	—	—	—	—	—	—	—	—	0.50	—	0.01	0.51
Kerai Puteh	—	—	—	—	—	—	—	—	—	—	0.82	—	—	0.82
Kerai Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	—	—	0.02	—	—	0.02
Kenerak	—	—	—	—	—	—	—	—	—	—	0.44	—	—	0.44
Ketam Nipah	—	—	—	—	—	—	—	—	—	—	—	0.52	—	0.52
Lomah	Labiobarbus ocellatus	—	—	—	0.33	—	—	—	—	—	—	—	—	0.33
Lais	Kryptopterus Cryptopterus	—	—	—	—	—	—	—	—	11.80	—	—	—	11.80
Lampam Jawa	Puntius gonionotus	—	1.15	0.15	103.44	7.38	—	11.52	11.82	5.45	4.18	—	0.62	145.71
Lampam Sungai	Puntius schwarefeldii	—	0.06	—	38.88	0.25	—	1.13	0.06	7.56	0.47	0.06	0.08	48.55
Lawang	Pangesius micronemus	—	—	—	—	—	—	—	—	—	0.03	—	—	0.03
Lee Koh	Cyprinus Carpio	—	0.86	0.03	24.64	13.82	—	11.46	4.60	1.81	1.13	—	0.30	58.65
Limbati	Clarias nieuhofii (C.V.)	—	—	—	0.02	—	—	—	—	2.72	—	—	—	2.74
Patong	Pristolepis fasciatus	—	—	—	—	—	—	—	—	—	—	0.12	0.02	0.14

Patok	—	—	—	—	—	—	—	—	—	—	0.18	—	—	0.18
Patin Pahang	—	—	—	—	—	—	—	—	—	—	0.13	—	—	0.13
Patin Muncong	—	—	—	—	—	—	—	—	—	—	0.63	—	—	0.63
Patin Perak	—	—	—	—	—	—	—	—	—	—	1.24	—	—	1.24
Patin Kolam	—	—	—	—	—	—	—	—	—	—	0.23	—	—	0.23
Patin Sungai	—	—	—	—	—	—	—	—	—	—	0.11	—	—	0.11
Patin	—	—	—	—	—	—	—	—	—	11.49	0.62	—	—	12.11
Puyu	Anabas testudineus	—	0.02	—	3.56	0.23	—	—	0.22	—	0.10	—	—	4.13
Putih	Puntius binotatus	—	—	—	—	1.63	—	—	—	9.68	—	—	—	11.31
Pucuk Pisang	Labiobarbus fasciatus	—	—	—	2.12	—	—	—	—	—	—	—	—	2.12
Sebarau	Hampala macrolepidota V. Hasselt	—	—	—	1.81	—	—	—	—	4.84	0.61	—	—	7.26
Sepat Siam	Trichogaster pectoralis	0.45	0.35	—	111.66	0.32	—	2.13	0.44	—	0.79	—	0.01	116.15
Temperas	Cyclocheilichthys apagon (C.V.)	—	—	—	—	—	—	—	—	—	0.02	—	—	0.02
Tapah	Wallago Attu (Bl. Scha)	—	—	—	0.14	—	—	—	—	7.86	0.24	—	—	8.24
Temakang	Helostoma temmincki	—	—	—	2.80	—	—	—	—	3.93	*	—	0.03	6.76
Temoleh	Probarbus julieni Sauvage	—	—	—	—	—	—	—	—	—	0.08	—	—	0.08
Tengalan	Puntius bulu	—	—	—	0.10	—	—	—	—	—	0.53	—	—	0.63
Terbol	Osteo chilus hasselti	—	—	—	18.06	0.18	—	0.02	—	1.21	0.08	—	—	19.55
Tilapia	Tilapia mossambica	—	0.02	0.08	102.93	—	—	0.21	0.06	—	0.42	—	—	103.72
Toman	Ophicephalus micropeltes	—	—	—	0.08	—	—	—	—	3.02	—	—	*	3.10
Tongsan	Acrossocheilus hexagonolepis	—	—	—	—	—	—	—	—	—	0.61	—	—	0.61
Ubi	Chana lucius (C.V.)	—	—	—	—	—	—	—	—	—	0.01	—	—	0.01
Udang Galah	Macrobrachium rosenbergii	—	0.02	—	44.35	0.91	20.81	—	0.12	18.75	0.15	0.04	0.04	85.19
Pelbagai	Miscellaneous	—	0.03	—	81.14	30.56	—	—	—	25.40	1.76	0.20	0.12	139.21
Jumlah Ton M. Total M. Tonnes		0.45	4.35	11.65	1,018.92	246.37	38.93	113.73	40.39	176.27	30.40	0.94	3.35	1,685.75

* Note: Less than 0.01 m. tonnes.

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA BORONG IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT BULAN, 1981
 WHOLESALE PRICES OF FRESHWATER FISHES AT MAJOR MARKETS BY MONTH, 1981

(M\$/Kg)

JENIS IKAN/TYPE OF FISH		Januari January	Februari February	Mach March	April April	Mei May	Jun June	Julai July	Ogos August	September September	Oktober October	November November	Disember December	Purata Average
Nama Tempatan Local Name	Nama Saintifik Scientific Name													
Baung	Mystus nemurus	4.29	4.55	2.95	3.94	4.16	3.63	4.34	3.68	4.88	4.62	5.54	7.46	4.50
Belida	Notopetrus chitala	3.22	3.42	3.05	3.75	3.22	3.27	3.18	3.28	4.13	3.22	5.78	2.97	3.54
Bujuk.. .. .	Ophicephalus lucius	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	Ophicephalus striatus	2.74	2.85	2.64	2.99	3.37	3.28	3.53	3.20	3.30	3.15	3.93	3.65	3.22
Jelawat	Leptobarbus hoeveni	46.20	29.29	11.55	28.88	46.20	49.50	49.50	46.20	46.20	42.90	46.20	45.38	40.67
Jelawat Kolam	—	—	—	—	—	—	—	—	—	—	—	14.03	—	14.03
Jelawat Sungai	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kalui	Osphronemus goramy	—	4.13	—	3.30	3.30	2.97	—	—	3.96	—	—	—	3.53
Kap Rumpit	Ctenopharyngodon idelles	2.85	3.07	2.89	3.17	2.89	2.90	2.87	2.95	2.95	2.84	3.02	4.17	3.05
Kap Lumpur	Cirrhinia molitorella	—	—	—	—	—	—	4.62	—	—	—	—	7.92	6.27
Kelah	Tor tambroides	14.85	14.03	—	14.03	13.20	13.20	11.55	11.55	11.55	13.20	13.20	14.03	13.13
Keli	Clarias batrachus	2.99	2.66	2.36	2.64	2.48	2.67	2.72	2.41	3.00	2.38	2.90	3.07	2.69
Ketutu	Oxyeleotris marmoratus	14.85	14.85	14.03	15.96	15.13	13.02	15.96	8.66	16.22	16.63	22.69	15.68	15.31
Kap Kepala Besar	Aristichthys nobilis	2.49	2.81	2.21	2.19	2.24	2.13	2.24	2.28	2.36	2.18	2.39	2.79	2.36
Kerai Kunyit	Puntius daruphani	13.20	14.85	—	11.55	11.55	13.20	12.38	13.20	10.73	11.55	9.90	—	12.21
Kerai Puteh	—	12.75	13.86	—	11.67	5.94	10.56	10.56	8.25	10.44	—	8.79	10.16	10.30
Kerai Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	11.55	9.90	—	8.25	—	9.90
Kerai	Large Cyprinids	—	—	—	—	—	—	—	—	—	10.97	—	21.38	16.18
Kenerak	—	—	4.95	—	4.95	—	4.13	—	—	—	—	—	—	4.68
Lomah	Labiobarbus ocellatus	2.15	1.65	—	2.15	2.15	2.15	—	—	—	—	—	—	2.05
Lais	Kryptopterus kryptopterus	—	2.89	2.89	2.89	—	—	—	—	—	—	—	—	2.89
Lampam Jawa	Puntius gonionotus	3.14	2.87	2.51	2.46	3.07	2.92	2.39	2.28	2.51	2.71	3.07	3.37	2.78
Lampam Sungai	Puntius schwarzei	3.20	3.27	2.92	3.27	2.99	3.02	3.02	2.95	2.57	2.26	3.27	3.68	3.04
Lawang	Pangesius micronemus	—	6.93	—	6.60	—	11.55	—	—	—	—	—	—	8.36
Lee Koh	Cyprinus carpio	3.32	3.35	2.56	2.87	3.25	2.95	2.82	3.00	2.90	3.04	3.42	3.40	3.07
Limbak	Clarias nieuhofii (C.V.)	—	—	2.48	2.48	—	—	—	—	—	—	—	—	2.48
Patong	Pristolepis fasciatus	—	—	—	—	—	—	—	—	—	—	—	—	—

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA RUNCIT IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT BULAN, 1981
 RETAIL PRICES OF FRESHWATER FISHES AT MAJOR MARKETS BY MONTH, 1981

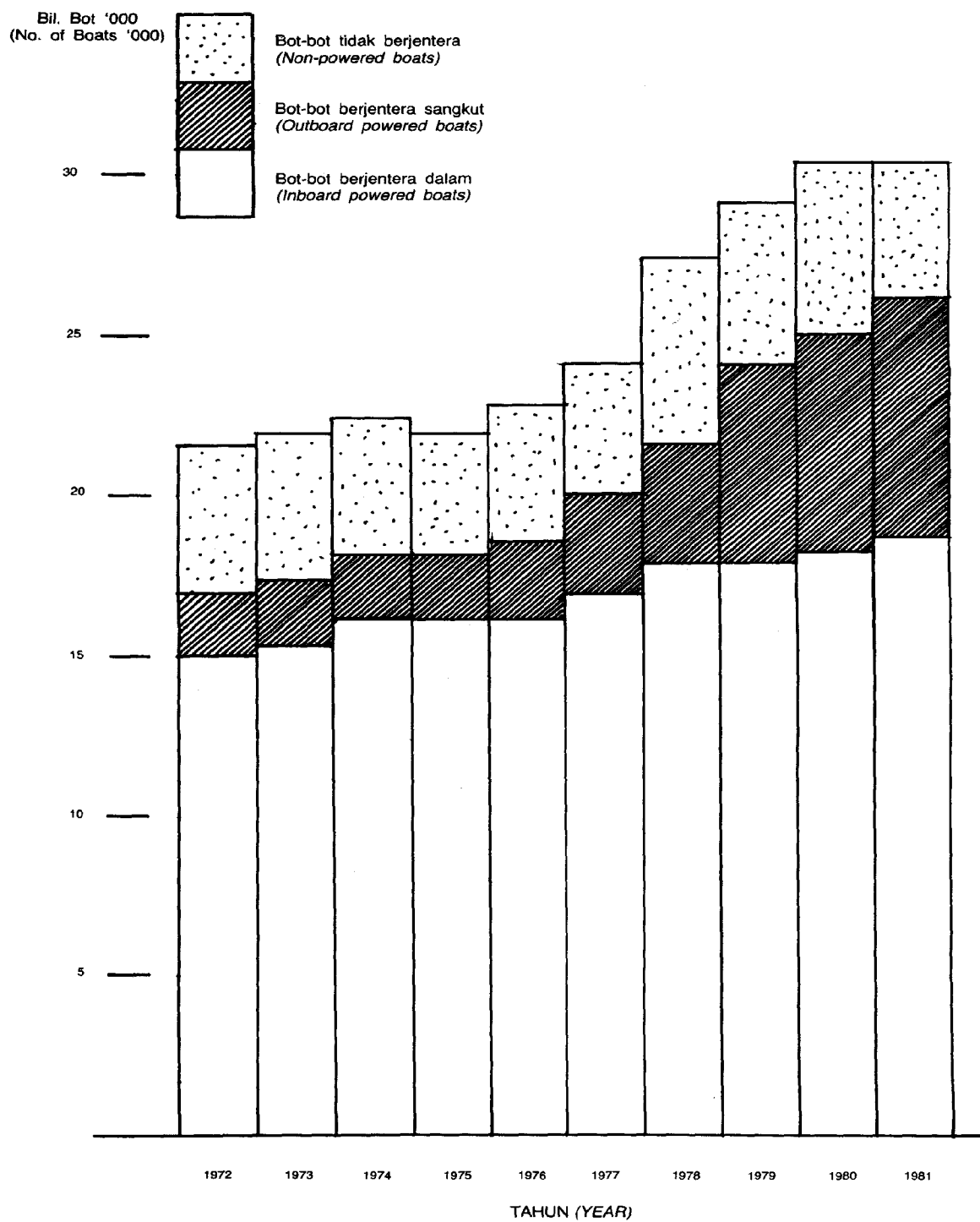
(M\$/Kg.)

JENIS IKAN/TYPE OF FISH		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 Average
Nama Tempatan Local Name	Nama Saintifik Scientific Name													
Baug	Mystus nemurus	5.15	5.38	3.71	4.85	4.77	4.42	5.08	4.52	6.08	6.02	9.49	8.46	5.66
Belida	Notopetrus chitala	3.58	3.58	3.80	4.41	3.76	3.80	3.75	3.83	3.28	3.96	—	4.17	3.81
Bujuk	Ophicephalus lucius	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	Ophicephalus striatus	3.47	3.50	3.42	3.63	3.86	3.98	4.37	3.73	3.54	3.96	4.83	4.52	3.90
Jelawat	Leptobrachus hoeveni	49.50	31.10	13.61	29.29	46.20	51.98	49.50	46.20	46.20	44.55	48.67	51.15	42.33
Jelawat Kolam	—	—	19.80	—	19.80	19.80	—	—	—	20.80	—	—	—	20.05
Jelawat Sungai	—	—	—	—	—	46.20	—	—	—	44.80	—	—	51.15	47.38
Kalui	Osphronemus goramy	—	4.95	—	4.13	4.13	4.13	—	—	—	—	—	—	4.34
Kap Rumpit	Ctenopharyngodon idellus	4.22	3.94	3.45	3.89	3.61	3.70	3.70	3.66	3.57	3.61	3.98	4.44	3.81
Kap Lumpur	Cirrhina molitorella	—	—	—	—	—	—	5.94	—	—	—	—	9.90	7.92
Kelah	Tor tambroides	19.80	16.50	—	16.50	16.50	15.68	11.55	11.55	11.20	12.38	14.85	16.50	14.82
Keli	Clarias batrachus	3.68	3.28	3.07	3.30	3.33	3.45	3.35	3.17	3.14	4.01	3.91	3.89	3.47
Ketutu	Oxyeleotris marmonatus	18.56	16.22	18.56	19.52	19.52	16.68	18.84	17.33	18.40	21.45	28.31	28.73	20.18
Kap Kepala Besar	Aristichthys nobilis	3.40	3.10	2.85	2.89	3.00	2.95	3.15	3.02	2.93	2.82	3.30	3.47	3.07
Kerai Kunyit	Puntius daruphani	14.03	15.68	—	12.38	12.38	14.85	14.85	15.68	13.60	10.73	17.16	13.20	14.05
Kerai Puteh	—	13.48	14.69	—	12.38	10.56	12.99	13.20	13.65	12.69	13.53	11.55	11.32	12.73
Kerai Jelawat	Leptobarbus haeveni	—	—	—	—	—	—	—	11.55	9.60	—	48.68	—	23.28
Kerai	Large Cyprinids	—	—	—	—	—	—	—	—	—	—	—	—	—
Kenérak	—	—	5.78	—	5.78	—	5.61	—	—	—	—	—	—	5.72
Lomah	Labiobarbus ocellatus	2.64	2.48	—	2.64	2.64	2.64	—	—	—	—	—	—	2.61
Lais	Kryptopterus cryptopterus	—	3.30	3.30	3.30	—	—	—	—	—	—	—	—	3.30
Lampam Jawa	Puntius gonionotus	3.75	3.43	3.15	3.09	3.60	3.84	3.48	3.14	3.41	3.42	3.65	3.73	3.47
Lampam Sungai	Puntius schwarefeldii	4.11	4.11	3.84	4.22	3.63	3.80	3.50	4.04	3.09	3.12	4.29	4.52	3.86
Lawang	Pangasius micronemus	—	8.25	—	8.25	—	14.85	—	—	—	—	—	—	10.45
Lee Koh	Cyprinus carpio	4.08	4.13	3.38	3.51	3.47	3.89	3.38	3.48	3.34	3.53	3.94	3.91	3.67
Limbat	Clarias nieuhofi (C.V.)	—	—	2.97	2.97	—	—	—	—	—	—	—	—	2.97

Patong	Pristolepis fasciatus	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Potak	—	—	—	—	—	—	—	3.30	—	—	—	—	—	—	3.30
Patin Pahang	—	18.81	18.15	—	—	19.80	21.86	18.43	—	—	—	—	—	—	19.41
Patin Muncong	—	18.15	18.15	—	18.15	9.90	14.85	18.15	18.15	9.90	14.85	18.15	20.34	16.25	16.25
Patin Perak	—	4.50	—	—	11.06	7.43	6.35	—	—	—	—	—	—	—	7.34
Patin Kolam	—	—	—	—	—	—	—	—	6.19	5.12	5.28	8.09	—	—	6.17
Patin Sungai	—	—	—	—	—	—	—	—	17.61	16.53	18.48	25.58	—	—	19.55
Patin	Pangasius pangasius	—	4.79	5.07	5.16	—	—	—	—	—	—	2.76	5.87	4.73	4.73
Puyu	Anabas testudineus	2.48	2.48	2.92	3.09	3.14	3.14	2.15	3.80	2.16	3.09	3.22	3.71	2.95	2.95
Putih	Puntius binotatus	2.97	2.97	2.97	3.38	2.89	2.90	—	2.31	—	—	—	—	—	2.91
Pucuk Pisang	Labiobarbus fasciatus	—	—	0.99	—	—	—	—	—	—	—	—	—	—	0.99
Sebarau	Hampala macrolepidota V. Hasselt	—	5.78	2.15	—	—	5.36	4.95	—	2.88	—	—	—	—	4.22
Sepat Siam	Trichogaster pectoralis ..	3.37	5.33	2.29	3.45	3.55	2.92	2.81	3.10	2.69	3.05	3.02	3.04	3.22	3.22
Temperas	Cyclocheilichthys apagon (C.V.)	—	—	—	—	—	3.30	—	—	—	—	—	—	—	3.30
Tapah	Wallago Attu (Bl. Scha) ..	—	3.42	5.45	3.83	4.95	3.30	2.97	4.95	4.00	5.78	7.43	6.60	4.79	4.79
Temakang	Helostoma temmincki ..	—	4.95	4.04	3.63	2.48	1.64	1.98	2.64	2.24	2.64	4.79	4.24	3.21	3.21
Temoleh	Probarbus julieni Sauvage ..	3.96	3.96	—	—	—	—	—	5.45	4.48	5.28	—	6.60	4.96	4.96
Tengalan	Puntius bulu	5.78	8.58	—	6.02	6.02	6.44	7.84	9.90	7.20	8.25	5.78	8.25	7.28	7.28
Terbol	Osteochilus hasselti	1.98	3.63	3.18	3.55	2.23	3.47	1.49	1.65	1.60	2.48	5.28	3.96	2.88	2.88
Tilapia	Tilapia mossambica	1.42	2.99	2.10	1.80	2.34	1.52	1.45	1.82	2.19	2.33	2.48	2.81	2.10	2.10
Toman	Ophicephalus micropeltes ..	1.65	—	3.80	5.28	—	—	—	2.64	—	—	—	—	3.34	3.34
Tongsan	Acrossocheilus hexagonolepis	8.25	—	—	—	—	—	—	—	—	—	—	—	8.25	8.25
Ubi	Chana lucius (C.V.)	—	19.80	—	—	—	—	—	—	—	—	—	—	19.80	19.80
Udang Galah	Macrobrachium rosenbergii ..	17.79	16.83	15.35	15.89	17.13	17.26	19.80	18.15	16.50	15.33	19.24	19.35	17.39	17.39
Pelbagai	Miscellaneous	1.16	1.07	—	1.32	1.32	1.32	0.99	—	2.16	1.86	2.72	3.47	1.74	1.74

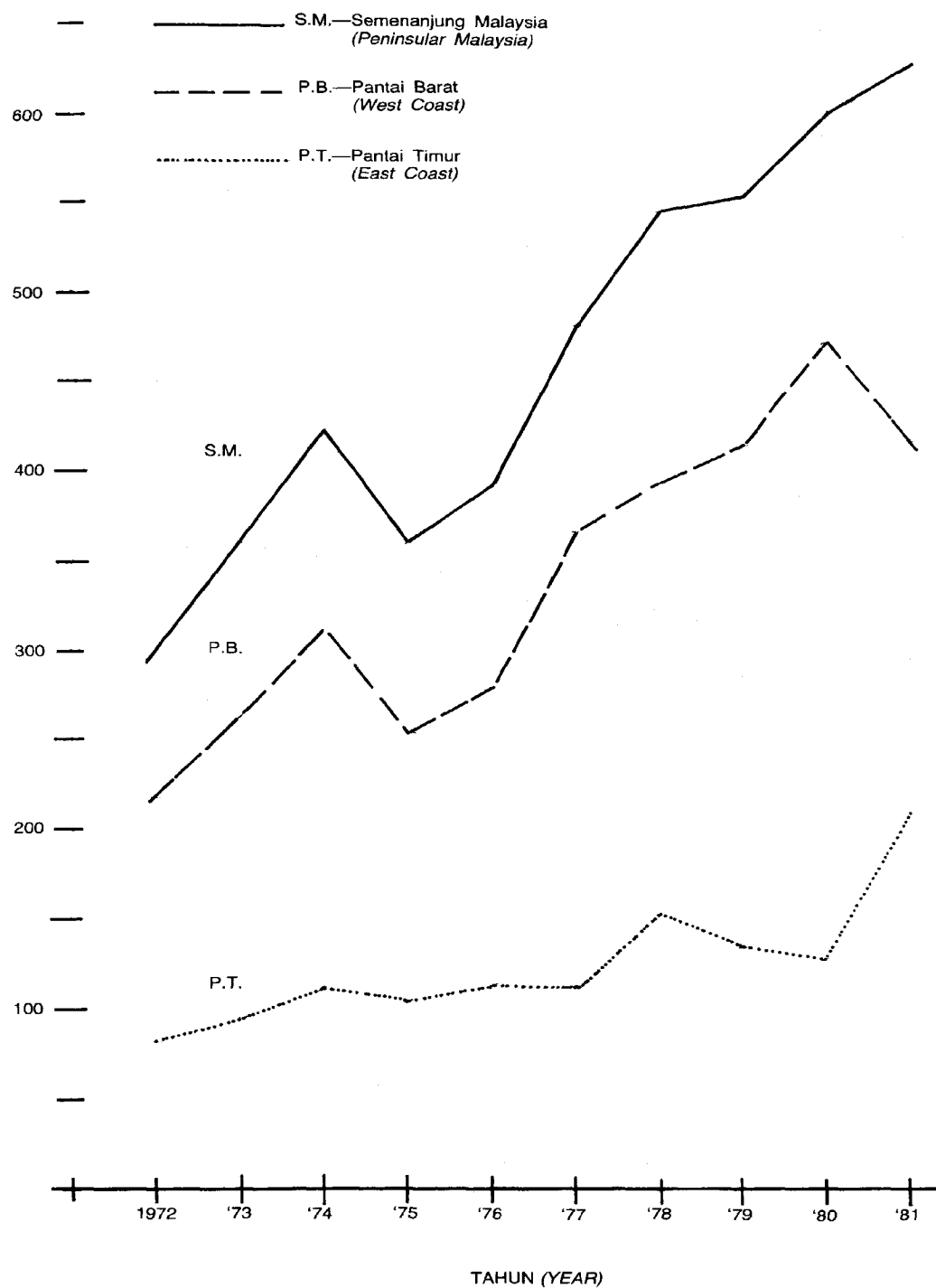
**BILANGAN BOT-BOT BERJENTERA DALAM, BERJENTERA SANGKUT
DAN TIDAK BERJENTERA YANG DILESENKAN BAGI JANGKA
MASA 1972-1981**

*(Number of Inboard Powered, Outboard Powered and Non-Powered
Fishing Boats Licensed in the Period 1972-1981)*

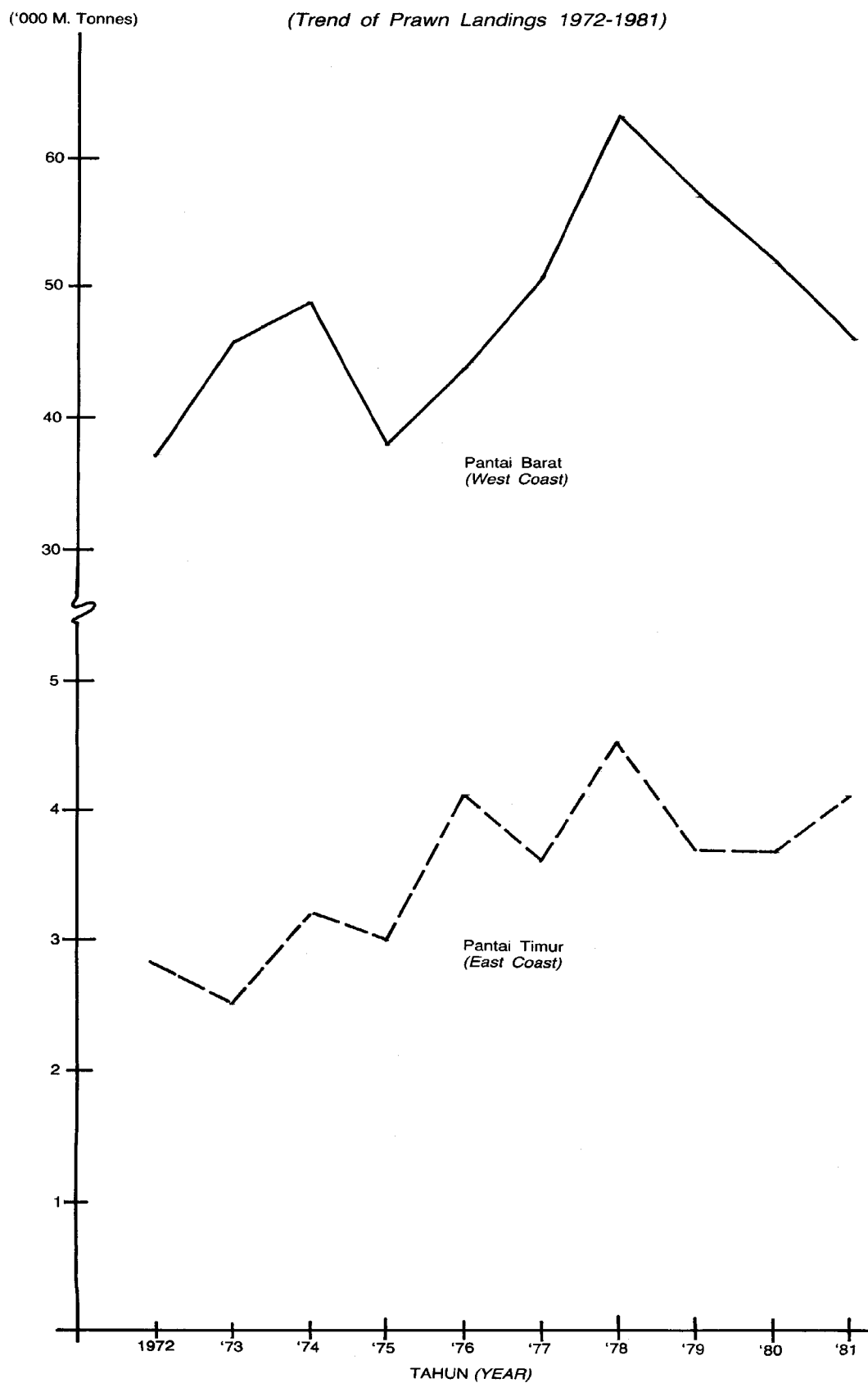


SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 ALIRAN PENDARATAN IKAN LAUT 1972-1981
 (Trend of Marine Fish Landings 1972-1981)

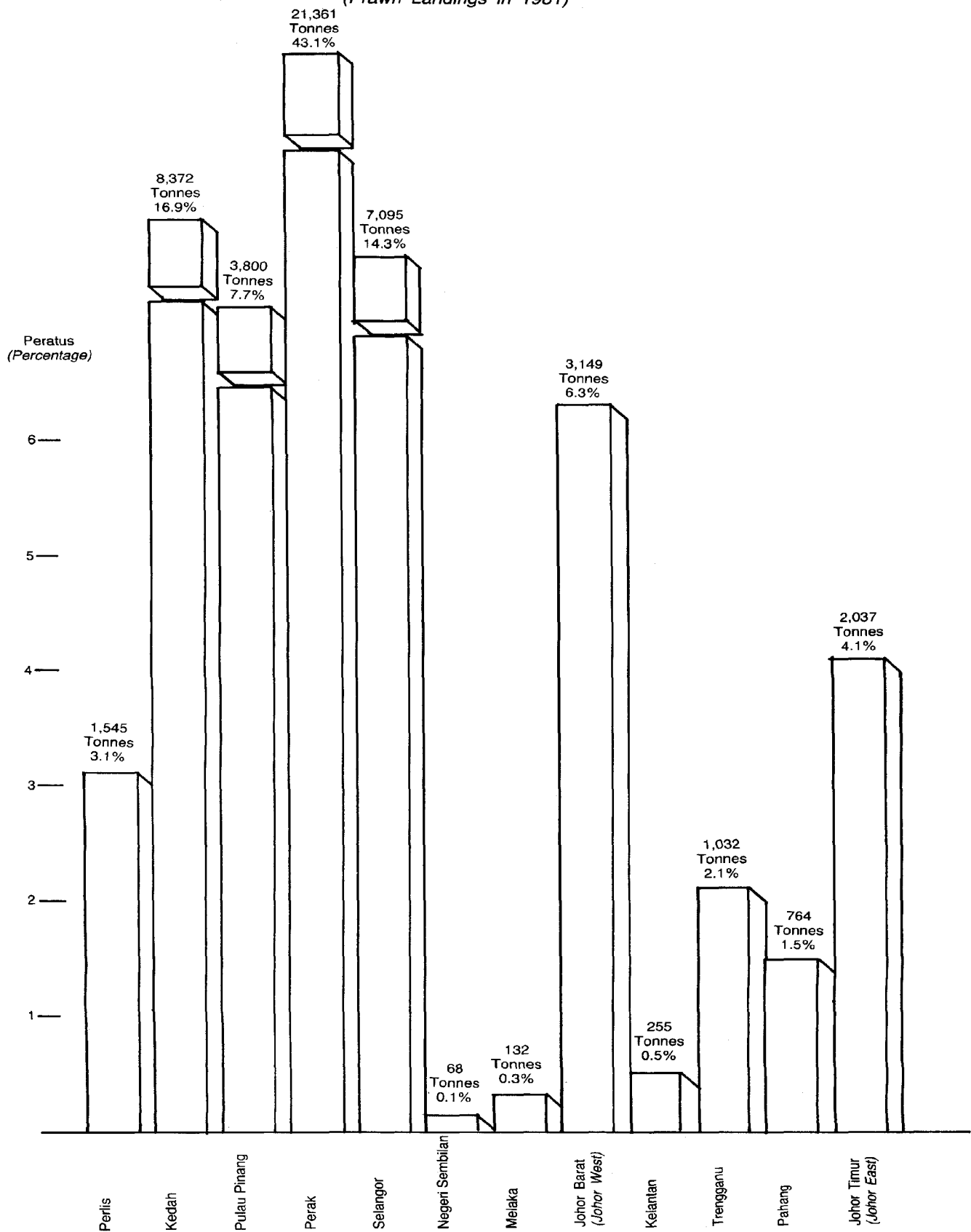
('000 M. Tonnes)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
ALIRAN PENDARATAN UDANG 1972-1981
(Trend of Prawn Landings 1972-1981)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENDARATAN UDANG 1981
 (Prawn Landings in 1981)



'000 M. Ton
(000 M. Tonnes)

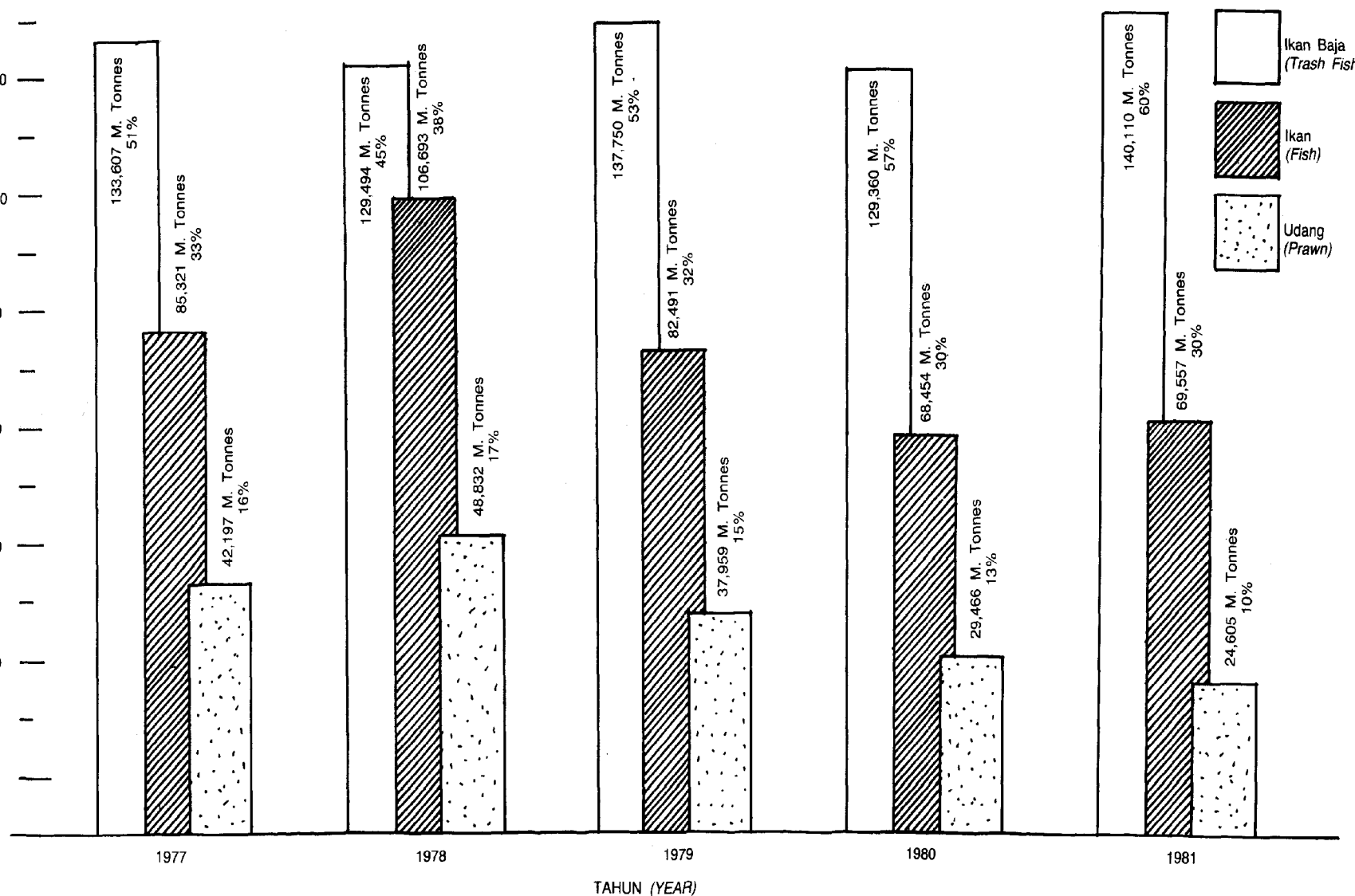
150 —

130 —
110 —
90 —
70 —
50 —
30 —
10 —

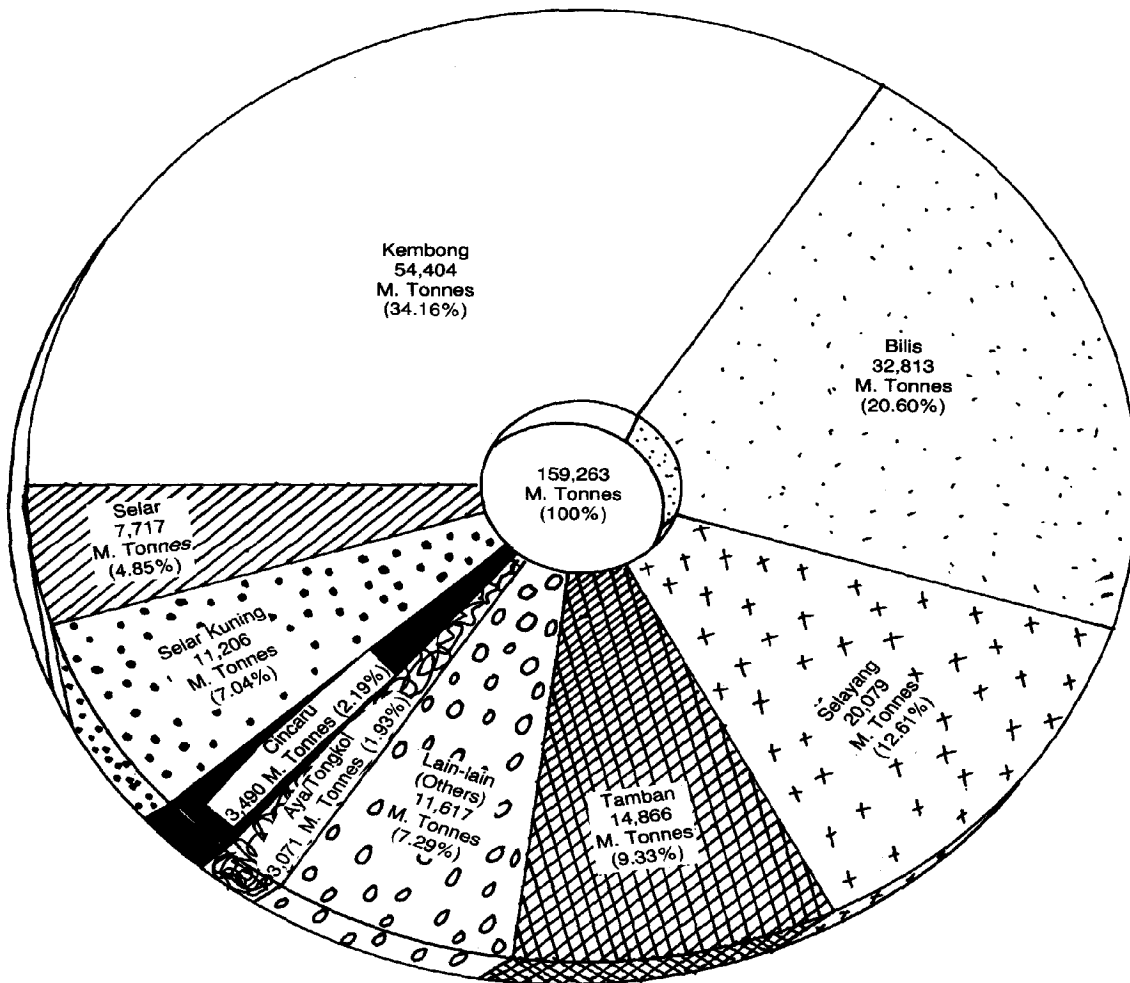
195

SEMANANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENDARATAN PUKAT TUNDA 1977-1981
(Trawl Landings 1977-1981)

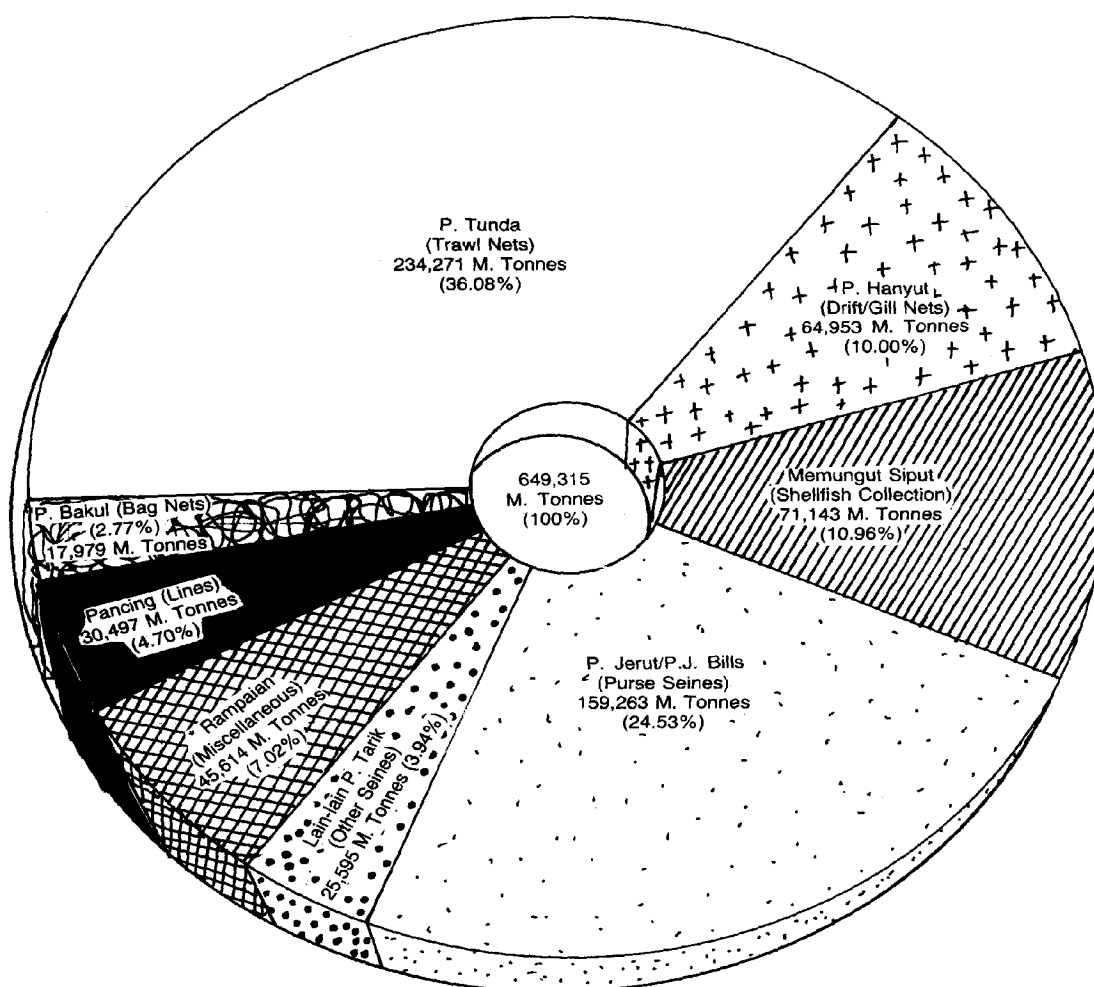
PETA (CHART) E



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENDARATAN PUKAT JERUT MENGIKUT JENIS IKAN, 1981
(Purse Seine Landings by Type of Fish, 1981)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS, 1981
(Landings of Marine Fish by Gear Group, 1981)

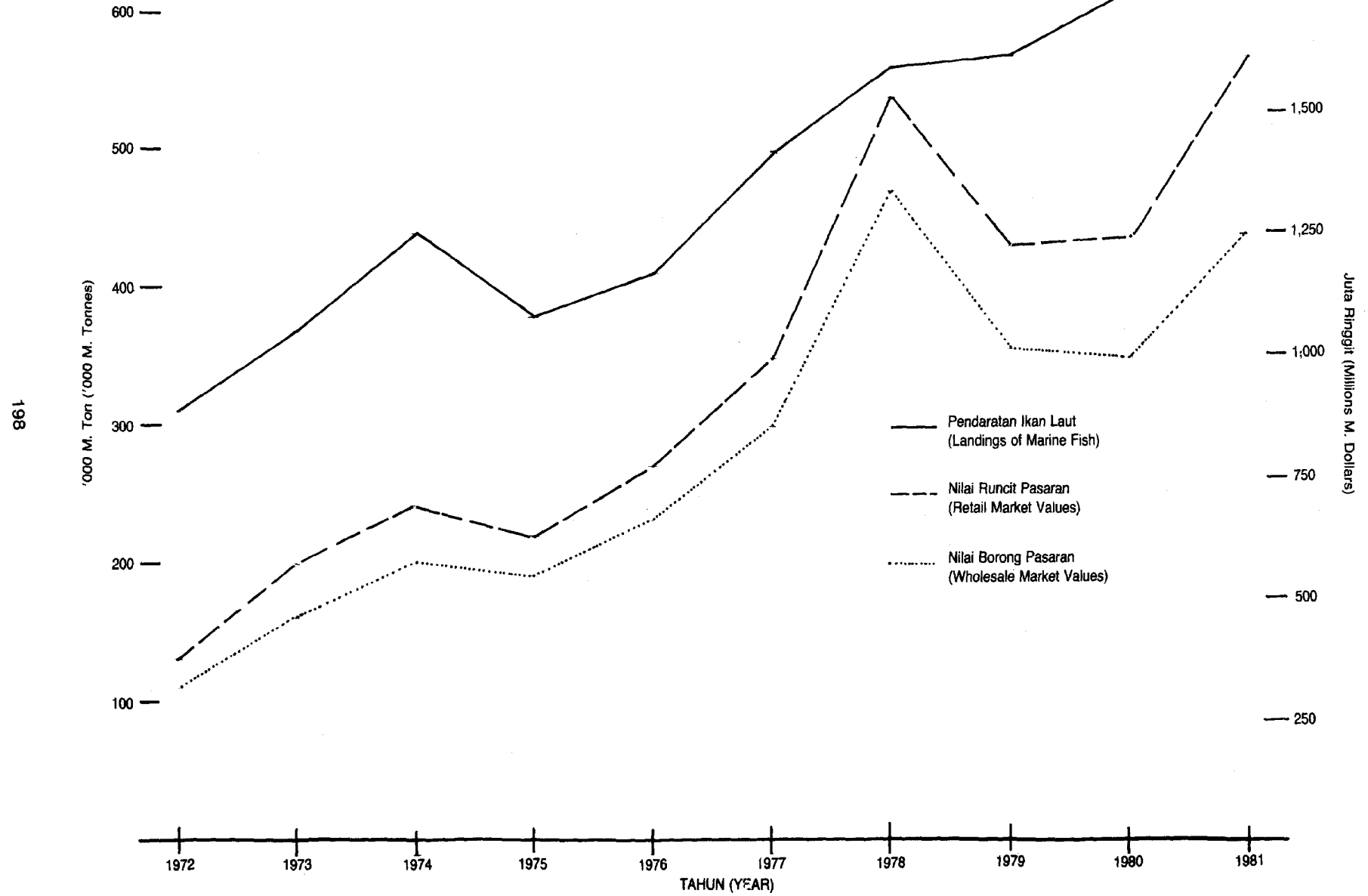


* Rampaian Termasuk P. Tangguk, Belat-Belat, Bubu, P. Rentang, P. Surung, dll.

(Miscellaneous Including Lift Nets, Stationary and Portable Traps, Barrier Nets, Push Nets and Others.)

NILAI PASARAN DAN PENDARATAN IKAN LAUT BAGI TAHUN 1972-1981
(Market Values and Landings of Marine Fish for the Years 1972-1981)

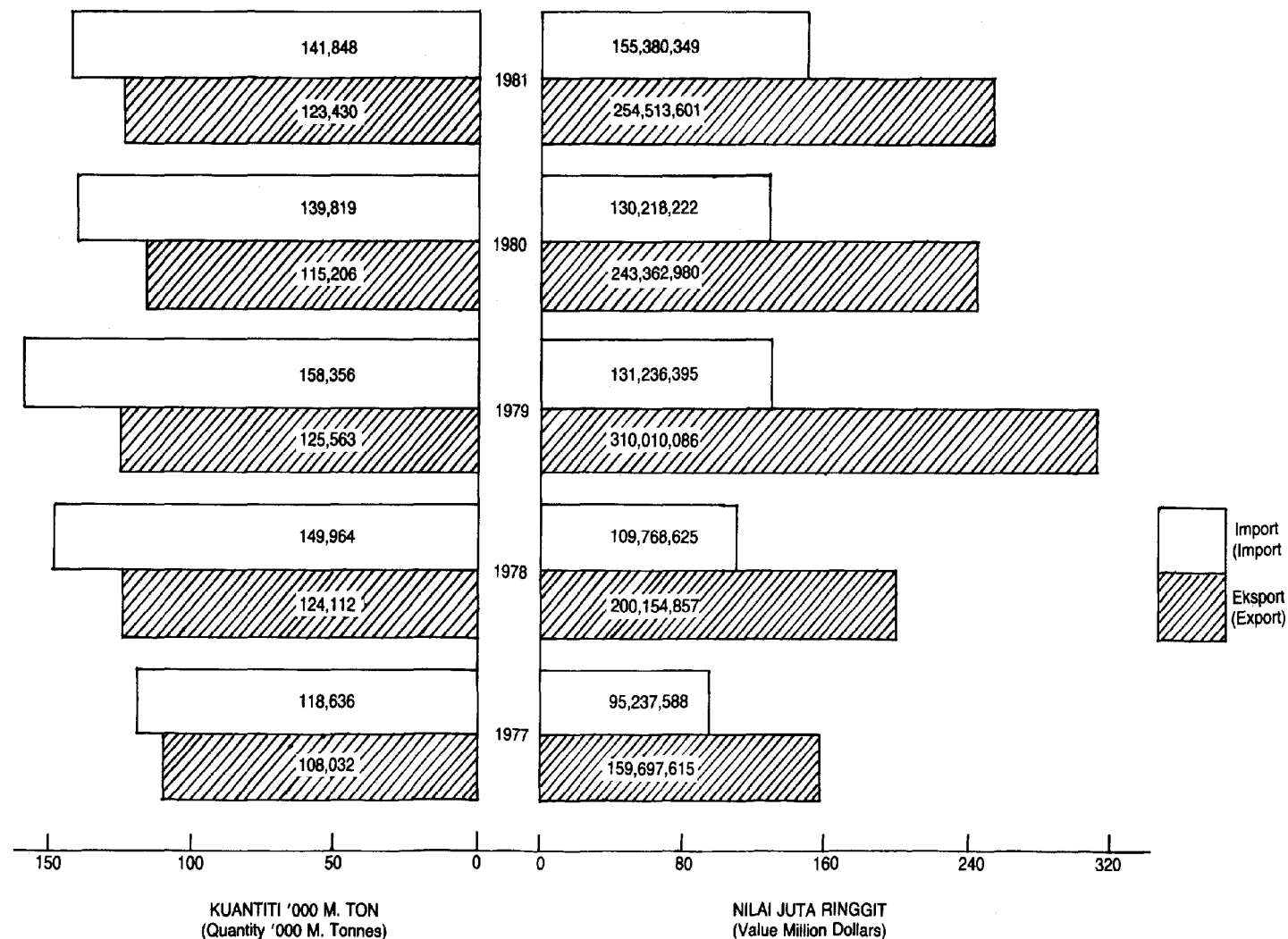
PETA (CHART) H



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
SERI TAHUNAN IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT
KUANTITI DAN NILAI
 (Annual Series of Fishery Commodities Import and Export by Quantity and Value)

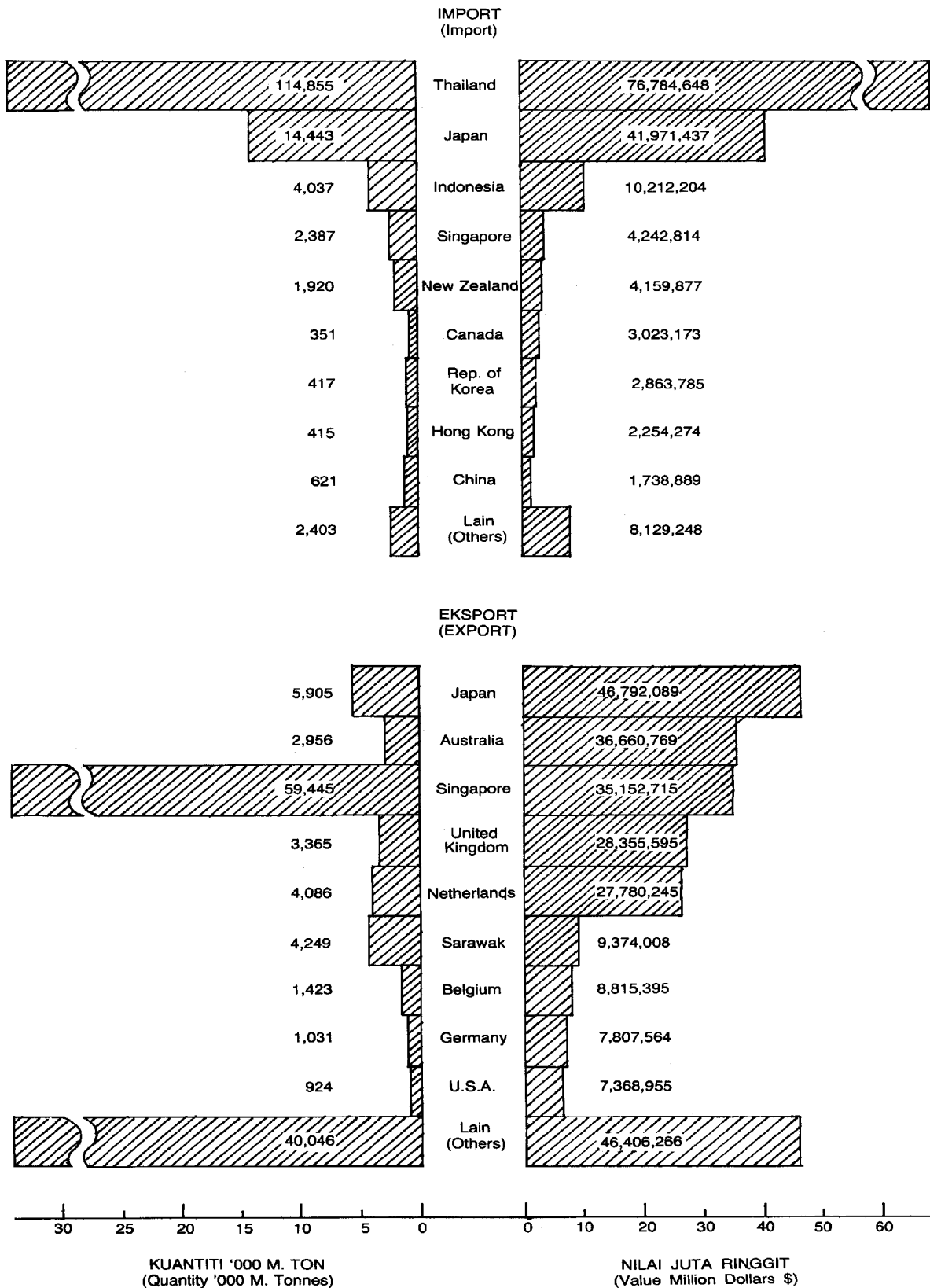
PETA (CHART) I

199

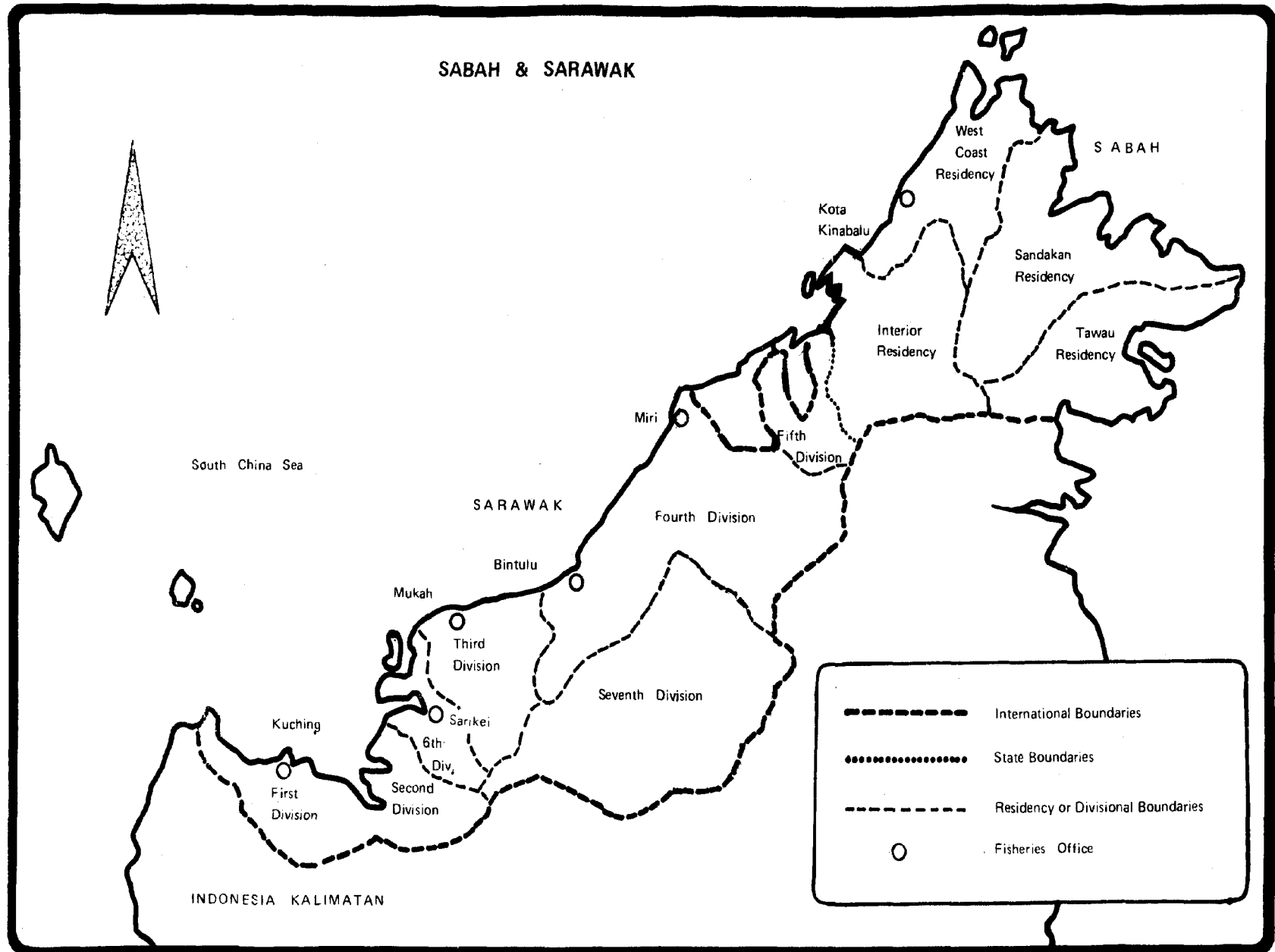


SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT KUANTITI,
 NILAI DAN NEGERI ASAL/DESTINASI YANG UTAMA, 1981
 (Import and Export of Fishery Commodities by Quantity, Value and
 Major Country of Origin/Destination, 1981)

PETA (CHART) J



SABAH & SARAWAK



SABAH DAN SARAWAK

JADUAL (TABLE) 6.1

PENGELUARAN IKAN MENGIKUT JENIS KUMPULAN IKAN, SABAH
PRODUCTION OF FISH BY GROUP OF SPECIES, SABAH
1972-1981

Jenis Kumpulan Ikan Group of Species	Kuantiti dalam '000 M. Ton/Quantity in '000 M. Tonnes									
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Freshwater fishes	1.016	1.016	1.016	1.016	1.000	1.300	1.500	1.700	1.800	2.000
Shads, mild fishes, etc. .. .	1.727	1.829	1.829	1.829	1.500	0.300	0.400	1.000	0.200	0.300
Flounders, soles, etc. .. .	0.915	1.016	1.016	1.016	1.000	0.100	0.500	0.400	0.300	0.300
Redfishes, basses, congers, etc. .. .	3.454	4.572	4.572	4.877	4.500	6.300	7.300	8.200	7.000	7.500
Jacks, mullets, etc. .. .	2.845	3.048	3.048	3.454	3.200	7.500	6.200	7.400	6.500	7.000
Herrings, sardines, anchovies, etc. .. .	3.861	3.861	3.861	3.962	3.700	1.800	1.100	1.300	0.500	0.800
Tunas, bonitos, skipjacks .. .	0.610	0.610	0.813	0.915	0.800	1.200	1.000	2.000	1.500	1.700
Mackerels, billfishes, etc. .. .	1.727	2.032	2.133	2.235	2.000	7.400	11.000	6.500	6.000	7.000
Sharks, rays .. .	1.829	1.829	1.930	1.829	1.700	0.700	0.500	1.700	0.800	1.000
Slipmouths (Leiognathus spp.) .. .	1.524	2.845	3.048	3.353	3.000	0.400	0.600	0.400	0.800	0.900
Unsorted and unidentified fishes .. .	2.235	2.845	3.048	2.946	2.600	1.500	1.200	1.200	0.800	1.700
Crustaceans .. .	5.486	5.689	5.893	5.588	5.700	6.600	8.000	8.500	7.500	8.500
Molluscs .. .	0.406	0.508	0.610	0.508	0.500	0.600	1.600	1.000	0.100	0.500
Beche de-mer, sea-urchins, etc. .. .	0.102	0.102	0.102	0.102	0.100	0.100	0.200	0.300	0.300	0.300
Pearls, shells, corals, etc. .. .	0.406	0.406	0.406	0.406	0.400	0.400	0.500	0.300	0.400	0.500
Jumlah Total	28.143	32.208	33.325	34.036	31.700	36.200	41.600	41.900	34.500	40.000

NILAI IKAN YANG DIDARATKAN DI SABAH
VALUE OF FISH LANDED IN SABAH
1972-1981

	Jenis Kumpulan Ikan Group of Species	Nilai dalam '000 ringgit Malaysia (value in '000 Malaysian \$)									
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
164	Freshwater fishes	1,800	2,000	2,000	2,600	2,800	3,700	4,270	5,620	6,000	6,800
	Shads, milkfishes, etc. .. .	680	900	900	1,500	1,380	280	380	1,000	200	300
	Flounders, soles, etc. .. .	900	1,200	1,200	1,600	1,760	180	900	760	600	600
	Redfishes, basses, congers, etc. .. .	4,080	5,100	6,040	7,900	8,150	11,780	14,000	17,910	16,500	18,000
	Jacks, mullets, etc. .. .	3,360	4,200	4,500	6,650	6,890	17,100	15,000	18,800	16,500	18,000
	Herrings, sardines, anchovies, etc. .. .	1,900	1,900	1,900	2,280	2,380	1,200	800	850	350	580
	Tunas, bonitos, skipjacks .. .	360	360	560	750	730	1,100	1,000	1,900	1,500	1,750
	Mackerels, billfishes, etc. .. .	2,200	3,200	3,360	4,220	4,220	15,700	23,700	17,200	16,000	19,000
	Sharks, rays .. .	1,080	1,080	1,140	1,300	1,350	560	400	1,680	800	1,000
	Slipmouths (Leiognathus spp.) .. .	600	1,120	1,350	1,730	1,730	240	400	400	850	970
	Unsorted and unidentified fishes .. .	1,540	280	480	700	690	400	300	400	300	650
	Crustaceans .. .	19,300	20,460	21,460	24,000	28,000	32,400	42,020	49,500	45,000	55,420
	Molluscs .. .	520	600	720	720	790	950	2,600	2,230	200	1,000
	Beche-de-mer, sea-urchins, etc. .. .	50	50	50	60	70	80	250	400	400	400
	Pearls, shells, corals, etc. .. .	400	500	500	600	660	700	1,100	1,000	1,200	1,530
	Jumlah Total ..	38,770	42,950	46,160	56,610	61,600	86,370	107,120	119,650	106,400	126,000

BILANGAN BOT-BOT PERIKANAN DI SABAH
NUMBER OF FISHING BOATS IN SABAH
1962-1981

Tahun Year	Total No. of Fishing Boats	Number of Non-powered Boats	Number Motorised	
			With Inboard Engines	With Outboard Engines
1962	5,963	3,981	482	1,500
1963	5,235	2,849	586	1,800
1964	4,288	1,388	700	2,200
1965	3,315	440	875	2,000
1966	2,925	72	1,053	1,800
1967	3,347	296	1,151	1,900
1968	4,089	771	1,218	2,100
1969	3,810	300	1,310	2,200
1970	4,020	300	1,400	2,320
1971	4,080	150	1,430	2,500
1972	4,165	200	1,470	2,495
1973	4,298	497	1,253	2,548
1974	4,298	500	1,253	2,545
1975	4,236	400	1,131	2,705
1976	4,050	300	1,250	2,500
1977	4,083	856	1,474	1,753
1978	4,619	784	1,758	2,077
1979	5,547	930	2,204	2,413
1980 [@]	5,800	900	2,230	2,670
1981	5,900	800	2,300	2,800

[@] Perangkaan 1980 telah dipindahkan.
 Data for 1980 are revised figures.

SABAH
BILANGAN LESEN YANG DIKELUARKAN MENGIKUT JENIS
PERKAKAS DAN DAERAH, 1981
NUMBER OF LICENCES ISSUED BY TYPE OF GEAR AND DISTRICT, 1981

Type of Gear	District	Tawau	Semporna	Sandakan	Lahad Datu	Beluran	Kudat	Kota Belud	Tuaran	Kota Kinabalu	Papar	Beaufort	Labuan	Total
Kelong		36	33	70	16	—	23	—	—	—	1	—	57	236
Belat		—	—	—	—	—	—	—	3	—	1	—	—	4
Tugoh		30	—	6	—	—	—	—	—	—	—	—	—	36
Trawl		89	1	187	—	6	43	15	—	194	—	31	54	620
Pukat		29	5	20	9	16	19	27	—	5	87	74	28	319
Purse Seine		—	11	3	1	—	—	—	—	16	—	1	—	32
Live Prawns		—	—	—	—	—	—	—	—	—	—	—	—	—
Seaweed		—	—	—	—	—	—	—	—	—	—	—	—	—
Handlines		1	9	—	—	—	1	—	—	—	28	1	13	53
Others		4	1	—	4	—	—	—	—	21	2	—	—	32
Total ..		189	60	286	30	22	86	42	3	236	119	107	152	1,332

ANGGARAN BILANGAN NELAYAN DI SABAH
ESTIMATED NUMBER OF FISHERMEN IN SABAH
1966-1981

Tahun	Nelayan Penuh Masa <i>Full Time Fishermen</i>	Nelayan Separuh Masa <i>Part Time Fishermen</i>
1966	6,800	3,000
1967	6,500	3,000
1968	6,450	2,500
1969	6,550	2,500
1970	6,500	2,500
1971	6,500	2,500
1972	6,400	2,500
1973	8,284	2,853
1974	8,319	2,863
1975	8,300	2,900
1976	8,000	3,000
1977	8,320	2,860
1978	13,978	3,000
1979	15,110	2,500
1980*	15,400	2,600
1981	15,000	3,000

* Perangkaan 1980 telah dipindahkan.
Data for 1980 are revised figures.

IMPORT DAN EKSPORT HASIL-HASIL PERIKANAN, SABAH, 1981
IMPORT AND EXPORT OF FISHERIES PRODUCTS, SABAH, 1981
(Kuantiti dalam M. Ton/Quantity in M. Tonnes)

Description of Commodity	Commodity Code	Unit of Quantity	Import		Exports	
			Quantity	Value \$	Quantity	Value \$
Beeche-de-mer	011891 012902	Tonne	109.30	52,904	112.96	168,939
Fish fry	034110	1000	19.14	21,409	0.50	350
Fish for aquaria	034120	100	1,827.83	122,985	6.50	1,425
Tuna, fresh chilled or frozen	034131	Tonne	0.01	145	—	—
Other fish marine, fresh or chilled	034139	Tonne	67.94	248,180	161.69	1,194,400
Fish freshwater, fresh chilled or frozen	034140	Tonne	—	—	6.30	78,057
Other fish marine, frozen	034219	Tonne	36.26	219,243	376.02	2,671,844
Fishmaw	035031	Tonne	2.61	62,986	—	—
Sharks' fin, salted or dried not further prepared	035032	Tonne	13.11	585,631	0.44	4,396
Fish marine, salted or dried	03503910	Tonne	154.28	428,550	10.99	46,479
Fish freshwater, salted or dried	0350392	Tonne	0.44	1,439	—	—
Salmon smoked	035041	Kg.	669.37	14,219	21.80	386
Fish smoked except salmon	035049	Kg.	2,477.07	22,333	—	—
Prawns fresh chilled	036011	Tonne	0.99	240	157.49	983,300
Prawns fresh frozen	036012	Tonne	27.50	54,793	2,807.31	39,750,669
Crabs lobsters etc. fresh chilled or frozen	036021	Tonne	16.98	102,282	26.03	75,976
Prawns, crabs, lobsters etc. salted, in brine, dried or boiled	036028	Tonne	2.44	28,108	1.11	7,325
Oyster fresh	036030	Tonne	11.27	190,789	0.47	12,661
Other molluscs fresh chilled or frozen	036041	Tonne	4.79	27,142	63.84	167,755
Other molluscs salted, in brine	036048	Tonne	54.41	388,944	72.30	240,087
Fish boiled or steamed	037193	Tonne	6.75	19,675	—	—
Sardine canned	037111	Tonne	3,548.26	8,287,692	190.07	550,433
Herring and brisling canned	037112	Tonne	10.39	72,228	—	—
Pilchards canned	037113	Tonne	—	—	—	—
Salmon canned	037114	Tonne	4.03	32,358	0.03	420
Fish paste and similar preparations	037192	Tonne	1.27	10,526	—	—
Sharks' fins prepared	037191	Tonne	0.98	40,267	—	—
Tuna canned	037116	Tonne	3.05	30,480	0.05	1,009
Fish preparations not canned	037199	Tonne	81.48	233,872	0.16	369
Sauries canned	037115	Tonne	4.59	16,858	0.58	550
Horse mackerels canned	037117	Tonne	757.73	2,146,468	7.05	25,220
Fish, others canned	037119	Tonne	409.98	3,064,980	4.27	18,193
Abalone canned	037211	Tonne	16.50	406,068	2.18	6,240
Prawns and shrimps (belachan) canned	037212	Tonne	311.13	811,044	2.72	12,414
Crabs canned	037213	Tonne	3.51	29,388	—	—
Cuttle fish canned	037214	Tonne	157.30	779,646	0.19	830
Preparations of crustacean and molluscs not canned	037220	Tonne	107.62	341,893	—	—
Preparations of crustacean and molluscs canned	037219	Tonnes	222.17	965,581	1.09	5,164
Prawn dust	081422	Tonne	1.34	1,031	—	—
Fish meal	081421	Tonne	1,230.98	1,414,601	—	—
Flour meal of fish, crustaceans and molluscs	081429	Tonne	156.40	74,135	—	—
Fish molluscs and crustaceans and broths	09805920	Kg.	1,759.27	13,704	—	—
Tortoise shell unworked	291160	Tonne	—	725	—	—
Coral etc. unworked	291150	Tonne	1.43	1,830	32.25	50,852
Fish waste	291940	Tonne	1.07	1,968	1.26	28,542
Natural sponges	291970	Kg.	32.57	509	—	—
Turtle eggs	098081	100	350.50	2,815	5.40	235
Products of fish, crustaceans and molluscs not for human consumption	291991	Tonne	1.52	7,023	—	—
Sea grass	292922	Tonne	0.44	691	—	—
Sea-weed products	292981	Tonne	27.26	49,354	1.00	2,070
Pearls not set	667101	Value	—	—	—	764,656
Pearl fragments unworked	667109	Value	—	—	—	1,600
TOTAL ..			7,574.45	21,429,732	4,039.87	46,872,846

IMPORT DAN EKSPORT HASIL-HASIL PERIKANAN, SABAH
IMPORT AND EXPORT OF FISHERIES PRODUCTS, SABAH)

1966-1981

(Kuantiti dalam Ton M./Quantity in M. Tonnes)

Tahun Year	Import/Import [@]		Export/Eksport [@]	
	Quantity	Value (M. \$)	Quantity	Value (M. \$)
1966	2,443	3,410,991	2,004	5,990,187
1967	2,895	3,568,010	2,350	7,509,005
1968	2,470	3,390,673	2,204	8,482,298
1969	2,683	3,992,054	2,203	7,337,991
1970	3,049	4,494,787	2,367	8,703,229
1971	2,774	4,144,925	2,279	10,636,254
1972	3,542	5,172,929	2,586	12,438,520
1973	3,954	6,869,428	2,769	18,507,065
1974	4,145	9,091,577	2,605	13,712,863
1975	4,148	8,400,596	2,699	14,880,057
1976	5,443	11,205,702	3,902	29,595,961
1977	3,957	10,245,153	3,563	32,671,347
1978	5,195	11,766,881	3,801	34,745,661
1979	7,719	12,822,101	4,260	45,194,362
1980	11,136	21,966,287	3,588	35,127,434
1981	7,574	21,429,732	4,040	46,872,846

[@] Perangkaan Import dan Eksport telah dipindahkan.
Data for Import and Export are revised figures.

SARAWAK
PENDARATAN IKAN DAN UDANG MENGIKUT BULAN, 1981
MONTHLY LANDINGS OF FISH AND PRAWN BY SPECIES, 1981
 (Quantity in M. Tonnes)

Nama Tempatan Local Name of Fish	Nama Saintifiks Scientific Names	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 Besar Grand Total
Lidah	Cynoglossus Spp.	2.17	5.81	23.10	20.33	17.18	17.59	16.70	19.89	19.37	20.00	16.70	14.46	193.30
Sebelah	Pseudorhombus Spp.	6.41	7.14	16.70	11.14	7.08	6.77	6.42	8.35	11.01	11.43	7.39	8.28	108.12
Daun Baharu	Drepane punctata	—	—	—	0.91	0.12	1.45	0.24	0.42	3.99	1.82	1.87	4.89	15.71
Duri (Jahan/Goh)	Tachysurus Spp./Arius Spp.	130.49	161.02	426.17	368.24	405.92	394.73	310.90	359.78	238.90	307.96	223.81	306.84	3,634.76
Gelama/Tengkerong	Sciaena Spp./Johnius Spp.	166.07	299.50	287.12	247.91	257.62	267.71	237.99	192.59	302.70	260.24	285.63	147.23	2,952.31
Jenahak	Lutianus argenteimaculatus	14.82	2.24	0.73	4.17	1.94	1.27	38.84	2.30	63.34	5.20	74.17	10.49	219.51
Kaci	Spilotichthys pictus	—	—	1.81	0.48	1.22	2.18	1.39	0.18	1.69	—	1.03	1.21	11.19
Kerapu	Epinephelus Spp.	11.19	6.57	13.36	27.70	24.74	24.33	24.79	54.01	57.76	24.26	23.35	21.01	313.07
Kerisi	Nemipterus Spp.	19.44	23.77	24.62	29.16	6.66	15.36	14.51	70.25	16.99	46.64	15.18	2.30	284.88
Kikek	Leiognathus Spp./Gazza Spp.	2.54	15.43	21.10	24.56	18.93	33.70	41.07	18.81	37.76	38.36	40.78	17.35	310.39
Malong	Muraenesox Spp.	69.64	109.14	72.92	93.66	115.18	55.11	40.96	52.39	31.71	54.38	61.04	69.18	825.31
Pelandok	Lethrinus Miniatus F.	—	—	—	—	—	—	—	—	—	—	—	1.39	1.39
Shrubu (Senolong/Kapas)	Lactarius Lactarius	21.11	64.91	49.95	34.72	16.59	30.19	17.97	41.93	15.25	40.83	9.56	1.82	344.83
Alu-alu, Kacang-kacang	Sphyræna Spp.	0.12	1.45	0.54	0.18	—	2.72	0.42	2.30	7.63	23.11	6.11	—	44.58
Bawal Putih/Dueh Putih	Pampus Chinensis	12.77	40.97	36.42	122.69	91.41	99.76	88.20	90.82	97.87	92.31	60.12	41.63	874.87
Bawal/Dueh Putih (Bujang)	Pampus Argenteus	44.65	29.59	106.18	30.36	23.22	27.46	26.29	38.96	36.29	37.84	45.22	61.23	507.29
Bawal Hitam/Dueh Hitam	Parastromateus Niger	29.96	97.63	117.96	93.33	98.06	103.04	119.89	110.36	103.52	107.82	151.66	65.37	1,198.60
Belanak/Kedera	Mugil Spp.	5.69	5.14	4.60	6.54	5.03	4.84	5.56	7.87	8.10	14.10	13.00	12.40	92.87
Cermin/Sagai	Alectis indica/Caranx Spp.	0.06	9.67	21.85	17.18	18.99	20.87	21.23	25.84	21.78	35.82	15.73	1.39	210.41
Cincaru (Goronggong)	Megalaspis cordyla	26.16	64.29	68.31	61.83	75.98	85.47	80.95	77.80	74.47	80.94	76.70	14.70	787.60
Demuduk/Rambai	Caranx Spp.	5.44	7.56	12.47	11.68	10.77	11.68	14.04	7.93	11.12	13.43	11.97	9.92	134.01
Kurau/Senangin	Polynemus Spp.	74.28	103.06	124.20	137.33	146.52	133.69	125.15	125.84	134.41	133.87	113.90	81.97	1,434.22
Palata/Selar	Caranx Spp.	15.56	10.77	22.87	44.28	23.72	24.75	26.55	41.25	28.18	20.92	16.88	12.99	288.72
Selar Kuning	Selaroides leptolepis	21.54	25.28	53.18	25.59	41.07	48.95	49.37	56.07	50.28	56.50	29.99	11.18	469.00
Selayang	Decapterus russelli	—	—	—	—	—	0.36	—	—	—	9.07	9.86	—	19.29
Talang	Chorinemus Spp.	5.75	77.38	33.46	26.87	27.59	33.94	30.67	38.00	40.17	46.15	41.38	39.31	440.67
Blis	Stolephorus Spp./Anchoviella	13.43	13.01	15.73	27.15	34.54	49.79	36.41	40.55	49.96	42.22	48.77	46.05	417.61
Bulan	Megalops Cyprinoides	0.66	0.79	1.09	10.11	7.50	3.87	8.11	9.80	5.81	5.81	17.79	11.65	82.99
Parang-parang	Chirocentrus dorab	7.20	9.79	14.84	20.38	49.20	67.28	53.49	51.79	46.15	47.99	27.16	14.10	409.37
Tamban	Clupea Spp./Sardinella Spp.	3.63	3.08	35.87	38.58	12.52	6.35	7.02	4.35	21.71	12.10	13.98	2.12	161.31
Terubok	Clupea macrura	7.10	29.04	29.10	32.37	40.36	58.93	53.91	52.94	63.96	56.50	55.54	42.49	520.24
Tongkol/Kayu/Aya	Euthynnus Spp.	16.86	154.92	110.15	101.42	72.40	100.41	98.24	111.99	102.24	125.33	90.67	105.70	1,190.33
Semilang	Plotosus Spp.	34.02	27.89	35.63	39.92	37.80	44.71	42.41	50.27	53.00	52.26	51.90	45.37	515.18
Kembong/Temenong	Rastrelliger kanagurta/ R. neglectus	23.42	33.83	69.10	71.32	66.77	62.01	60.73	48.13	44.03	57.29	131.82	50.82	719.27
Tenggiri	Scomberomorus Spp.	54.76	231.03	231.71	183.72	160.19	201.51	173.43	164.79	175.26	198.36	137.01	176.98	2,088.75
Timah	Trichiurus Spp.	11.26	21.12	42.10	49.12	104.29	72.54	74.35	57.53	58.62	40.58	35.21	8.77	575.49

Yu	Galeorhinidae	60.85	163.33	146.20	144.03	100.68	111.44	96.11	146.65	113.73	106.86	95.32	267.13	1,552.33
Pari	Dasyatis Spp./Gymnura Spp.	109.30	187.31	361.78	237.78	185.03	205.63	259.69	268.41	260.00	249.72	212.46	192.59	2,729.70
Baja	—	529.34	292.45	145.50	430.00	168.42	335.75	260.56	193.28	335.15	638.64	362.92	126.80	3,818.81
Ikan Campur	Mixed Spp.	391.88	585.97	883.30	939.61	941.95	1,090.15	1,022.83	1,023.51	1,046.72	1,324.54	1,069.14	992.99	11,312.59
Kabasi/Selangat	Anodontosoma Chacunda	2.36	4.36	1.15	—	0.42	12.28	12.10	—	19.66	—	—	25.22	77.55
Puput	Pellona Spp.	50.63	69.94	83.94	120.70	150.58	101.09	102.73	96.79	85.37	95.05	65.03	40.70	1,062.55
Jamah	Caranx Spp.	4.90	50.57	72.78	75.57	71.40	105.74	87.47	105.63	91.82	107.39	142.22	21.54	937.03
Perencong	Scaridae	6.66	0.36	1.70	0.67	1.57	3.32	3.14	5.32	8.65	8.71	14.03	7.02	61.15
Panjang	Pseudoseionena Spp.	2.66	1.27	2.54	7.20	8.65	9.01	9.87	5.75	9.98	17.18	17.36	16.39	107.86
Pelayak	Callyodontidae	7.74	39.69	17.73	0.54	2.54	1.02	1.75	—	—	—	0.79	24.87	96.67
Impirang	Setipinna Taty	48.09	53.19	104.77	77.19	74.03	69.93	65.77	65.57	69.20	64.54	54.93	39.97	787.18
Bulu Ayam	Coilia Spp.	9.98	5.75	9.87	8.48	10.47	2.29	2.66	—	—	0.24	1.09	1.69	52.52
Lumi	Harpodon Nehereus	89.08	68.31	71.32	89.40	90.43	55.22	32.25	49.42	43.67	61.42	47.24	45.19	742.95
Kilat	Pampus Spp.	35.45	55.59	64.98	91.86	62.92	63.41	85.68	63.89	77.13	63.93	37.75	16.40	718.99
Merah	Lutianus Spp.	25.53	30.19	67.82	79.01	79.06	139.07	29.63	8.89	60.44	27.64	35.99	37.07	620.34
Bulu	Polynemus Borneensis	1.39	2.54	0.97	6.83	2.55	2.85	2.77	41.13	4.79	2.49	2.84	2.23	73.38
Pedukang	—	26.01	18.38	22.99	30.19	39.21	39.38	40.10	39.09	32.42	35.81	35.75	33.82	393.15
Empirit	Clupea macrura	10.41	15.00	21.55	25.05	27.53	23.48	25.90	32.56	29.23	25.58	24.49	19.85	280.63
Ubor-ubor (Jelly Fish)	—	54.45	54.75	48.70	32.06	33.33	3.82	1.51	—	1.03	2.54	1.15	1.90	235.24
Ketam	Seylia Serrata	18.33	18.27	20.21	23.96	24.92	24.69	21.17	19.84	17.00	16.39	15.84	16.33	236.95
Ketam Laut/Ketam Suri	Portunus pelagicus	0.12	0.18	4.47	7.32	4.66	4.35	1.33	2.36	0.91	9.44	1.69	4.78	41.61
Udang Kerang	Panulirus polydagus	0.24	0.12	0.18	15.36	0.24	0.24	0.18	0.24	0.48	0.54	0.06	0.18	17.76
Udang Lobak	thenus orientalis	29.46	29.47	40.72	77.31	37.45	19.24	20.68	23.47	30.49	44.54	43.91	30.24	426.98
Udang/Siar	Penacus Spp./Metapenaeus Spp.	988.52	867.45	848.82	1,718.87	693.84	395.70	344.63	295.52	341.07	455.45	441.42	551.44	7,942.73
Udang/Payak	Parapenopsis Spp.	692.91	826.07	2,244.21	781.36	1,070.72	966.71	941.49	691.04	328.84	432.01	264.78	186.25	9,426.39
Udang Baring	Acetes Spp.	22.99	43.92	59.83	52.70	44.77	42.53	49.07	43.50	219.12	45.80	20.44	12.76	657.43
Udang Galah	Macrobrachium Resenbergi	5.45	—	—	—	—	0.79	—	—	0.12	—	2.06	1.45	8.87
Sotong	Sepiidae	12.04	88.75	196.68	181.35	148.09	156.99	98.18	70.11	112.28	95.76	20.82	14.10	1,195.15
Kerang	Anadara Spp.	—	—	—	—	—	—	—	—	—	—	0.36	—	0.36
Tokoyong	Mollusca	—	—	—	—	—	—	—	—	—	—	—	—	—
Ubi/Mengkerong/gerut-gerut	Sauride Spp./Pomadour Spp.	—	—	—	1.81	—	4.47	—	3.15	10.35	—	—	2.98	22.76
Ambal	Mollusca	—	0.85	0.67	0.55	0.54	—	—	—	—	—	—	—	2.61
Ramin	Mollusca	—	—	—	—	—	—	—	—	—	—	—	—	—
Biji Nangka	Upeneus Spp.	0.30	—	—	—	0.73	—	—	—	—	—	—	—	1.03
Kitang	Scatophegus argus	—	0.67	0.73	0.73	1.21	—	—	—	—	—	—	—	3.34
Jumlah Ton M. TOTAL M. TONNES		4,095.27	5,267.52	7,671.05	7,272.42	6,099.05	6,103.91	5,567.45	5,331.20	5,390.38	6,053.65	4,994.76	4,196.47	68,043.13

* Nama Kumpulan/Family Name.

SARAWAK
PENDARATAN IKAN DAN UDANG MENGIKUT KUMPULAN PERKAKAS DAN SPESIS, 1981
LANDINGS OF MARINE FISH AND PRAWN BY GEAR GROUPS AND SPECIES, 1981
(Kuantiti dalam T. Metrik/Quantity in Metric Tonnes)

Nama Tempatan Local Name of Fish	Nama Saintifik Scientific Name	Pukat Tunda Trawl Net	Pukat Jenis Tarik Seine Nets	Pukat Jenis Hanyut Drift/Gill Nets	Belat Fishing Stakes	Tali Kail Hooks and Lines	Perangkap Traps	Pukat J-Jits Berpundi Bag Nets	Pukat Jenis Surung Push/Scoop/ Lift Nets	Pukat Jenis Rentang Barrier Nets	Mernggul Siput Shellfish Collection	Rampalan Miscellaneous	Jumlah Besar Grand Total
Lidah	Cynoglossus Spp.	97.48	0.60	41.60	12.05	34.42	—	0.54	—	6.61	—	—	193.30
Sebelah	Pseudorhombus Spp.	82.83	—	23.35	—	0.24	—	0.36	—	1.34	—	—	108.12
Daun Baharu	Drepane punctata	15.23	—	0.18	—	0.30	—	—	—	—	—	—	15.71
Duri (Jahan/Goh)	Tachysurus Spp./Arius Spp.	1,710.65	4.26	1,630.95	24.47	218.42	—	1.02	—	44.99	—	—	3,634.76
Gelama/Tengkerong	Sciaena Spp./Johnius Spp.	2,209.70	4.94	545.72	98.83	6.12	—	—	—	87.00	—	—	2,952.31
Jenahak	Lutianus Argentimaculatus	197.55	18.57	2.84	0.55	—	—	—	—	—	—	—	219.51
Kaci	Spiolichthys pictus	9.01	—	1.88	0.30	—	—	—	—	—	—	—	11.19
Kerapu	Epinephelus Spp.	59.31	3.90	95.25	1.50	133.77	—	—	—	19.34	—	—	313.07
Kerisi	Nemipterus Spp.	275.51	—	9.13	0.24	—	—	—	—	—	—	—	284.88
Kikek	Leiognathus Spp./Gazza Spp.	207.26	1.15	33.03	4.11	—	—	—	—	64.84	—	—	310.39
Malong	Muraenesox Spp.	510.40	—	299.17	8.37	—	—	—	—	7.37	—	—	825.31
Peilandok	Lethrinus Miniatus F.	1.39	—	—	—	—	—	—	—	—	—	—	1.39
Shrumbu (Senolong/Kapas)	Lactarius Lactarius	321.18	15.19	6.83	1.21	—	—	—	—	0.42	—	—	344.83
Alu-alu, Kacang-kacang	Sphyræna Spp.	41.50	1.33	0.54	0.12	0.36	—	—	0.73	—	—	—	44.58
Bawal Putih/Dueh Putih	Pampus Chinensis	313.96	0.42	534.64	25.47	—	—	—	0.06	0.42	—	—	874.97
Bawal/Dueh Putih (Bujang)	Pampus Argenteus	222.49	0.30	267.68	15.44	—	—	—	—	1.38	—	—	507.29
Bawal Hitam/Dueh Hitam	Parastromateus Niger	297.16	36.90	725.64	42.88	—	—	—	87.91	8.11	—	—	1,198.60
Belanak/Kedera	Mugil Spp.	47.51	1.21	42.15	—	—	—	—	—	2.00	—	—	92.87
Cermin/Sagai	Alectis indica/Caranx Spp.	61.65	—	148.76	—	—	—	—	—	—	—	—	210.41
Cincaru (Goronggong)	Megalaspis cordyla	647.30	4.83	129.60	1.63	4.24	—	—	—	—	—	—	787.60
Demuduk/Rambai	Caranx Spp.	129.84	—	3.87	—	0.30	—	—	—	—	—	—	134.01
Kurau/Senangin	Polynemus Spp.	186.63	7.64	1,019.50	62.36	17.42	—	86.76	—	53.91	—	—	1,434.22
Peleta/Selar	Caranx Spp.	266.17	9.92	12.63	—	—	—	—	—	—	—	—	288.72
Selar Kuning	Selaroides leptolepis	396.46	72.06	0.48	—	—	—	—	—	—	—	—	469.00
Selayang	Decapterus russelli	18.93	—	0.36	—	—	—	—	—	—	—	—	19.29
Talang	Chorinemus Spp.	69.39	4.42	362.13	0.24	2.05	—	—	—	2.44	—	—	440.67
Blis	Stolephorus Spp./Anchoiella	208.42	8.71	11.69	25.95	—	—	0.18	—	162.66	—	—	417.61
Bulan	Megalops Cyprinoides	47.00	—	35.99	—	—	—	—	—	—	—	—	82.99
Parang-parang	Chirocentrus dorab	139.91	170.19	98.54	0.73	—	—	—	—	—	—	—	409.37
Tamban	Clupea Spp./Sardinella Spp.	20.99	64.24	38.03	22.75	—	—	—	14.94	0.36	—	—	161.31
Terubok	Clupea macrura	16.45	1.46	501.85	—	0.48	—	—	—	—	—	—	520.24
Tongkol/Kayu/Aya	Euthynnus Spp.	317.12	5.07	579.33	0.12	288.69	—	—	—	—	—	—	1,190.33

Yu	Galeorhinidae	528.41	3.79	848.65	31.92	121.01	—	6.72	—	11.83	—	—	1,552.33
Pari	Dasyatis Spp./Gymnura Spp.	1,973.91	1.98	552.75	34.14	153.08	—	5.08	—	8.76	—	—	2,729.70
Baja	—	3,772.94	—	10.71	30.92	1.21	—	3.03	—	—	—	—	3,818.81
Ikan Campur	Mixed Spp.	8,486.94	152.68	2,290.95	118.34	126.14	—	28.49	—	109.05	—	—	11,312.59
Kebasi/Selangat	Anodontosoma Chacunda	2.54	1.27	30.91	3.03	—	—	—	—	39.80	—	—	77.55
Puput	Pellona Spp.	308.08	2.46	739.66	6.79	0.24	—	—	—	5.32	—	—	1,062.55
Jamah	Caranx Spp.	66.24	669.10	—	2.00	—	—	—	197.76	1.93	—	—	937.03
Perencong	Scaridae	2.23	—	56.02	1.62	—	—	—	—	1.28	—	—	61.15
Panjang	Pseudoseionena Spp.	13.67	—	87.89	6.12	—	—	—	—	0.18	—	—	107.86
Pelayak	Callyodontidae	3.03	—	92.86	0.48	—	—	—	—	0.30	—	—	96.67
Impirang	Setipinna Taty	159.34	7.18	543.31	32.71	—	—	—	—	44.64	—	—	787.18
Bulu Ayam	Coilia Spp.	8.77	2.01	1.02	32.98	—	—	—	—	7.74	—	—	52.52
Lumi	Harpodon Nehereus	463.81	2.72	136.72	20.31	—	—	22.80	0.61	96.18	—	—	742.95
Kilat	Pampus Spp.	509.86	0.60	179.82	22.77	—	—	—	1.03	4.91	—	—	718.99
Merah	Lutianus Spp.	469.39	6.68	40.28	0.48	92.44	—	—	—	11.07	—	—	620.34
Bulu	Polynemus Borneensis	18.58	0.66	6.17	2.85	37.87	—	—	—	7.25	—	—	73.38
Pedukang	—	38.36	—	293.52	45.97	—	—	4.42	—	10.88	—	—	393.15
Empirit	Clupea macrura	15.54	—	210.39	47.14	—	—	—	—	7.56	—	—	280.63
Ubor-ubor (Jelly Fish)	—	12.45	—	4.33	0.36	—	—	217.80	—	0.30	—	—	235.24
Ketam	Seylla Serrata	2.96	—	0.36	—	—	233.09	—	—	0.54	—	—	236.95
Ketam Laut/Ketam Suri	Portunus pelagicus	7.12	0.18	34.31	—	—	—	—	—	—	—	—	41.61
Udang Kerang	Panulirus polyhagus	17.76	—	—	—	—	—	—	—	—	—	—	17.76
Udang Lobak	Thenus orientalis	154.20	—	134.78	25.30	—	—	94.20	—	18.50	—	—	426.98
Udang/Siar	Penacus Spp./Metapenaeus Spp.	6,455.11	12.26	651.67	46.43	—	—	753.85	—	20.14	—	3.27	7,942.73
Udang/Payak	Parapenopsis Spp.	6,241.15	9.12	14.45	38.12	0.61	—	3,094.91	—	7.58	—	20.45	9,426.39
Udang Baring	Acetes Spp.	511.95	—	—	24.07	—	—	120.99	—	0.42	—	—	657.43
Udang Galah	Macrobrachium Rosenbergi	4.42	—	—	0.06	—	1.39	—	—	—	—	4.00	9.87
Sotong	Sepiidae	1,189.89	—	5.08	0.18	—	—	—	—	—	—	—	1,195.15
Kerang	Anadara Spp.	0.36	—	—	—	—	—	—	—	—	—	—	0.36
Tokoyong	* Mollusca	—	—	—	—	—	—	—	—	—	—	—	—
Ubi/Mengkerong/Gerut-gerut	Sauride Spp./Pomadasy Spp.	20.47	—	2.29	—	—	—	—	—	—	—	—	22.76
Ambal	* Mollusca	—	—	—	—	—	—	—	—	—	2.61	—	2.61
Ramin	* Mollusca	—	—	—	—	—	—	—	—	—	—	—	—
Biji Nangka	Upeneus Spp.	0.30	—	0.73	—	—	—	—	—	—	—	—	1.03
Kitang	Scatophegus argus	—	0.36	0.12	0.12	—	—	—	—	2.74	—	—	3.34
JUMLAH TON M. TOTAL M. TONNES		42,008.34	1,344.29	16,303.23	1,002.72	1,427.88	234.84	4,444.73	303.04	943.73	2.61	27.72	68,043.13

* Nama Kumpulan/Family Name.

PENDARATAN IKAN LAUT DAN UDANG MANGIKUT KUMPULAN PERKAKAS, SARAWAK
MARINE FISH AND PRAWN LANDINGS BY GEAR GROUP, SARAWAK
1977-1981

(Kuantiti dalam Ton Metrik—Quantity in Metric Tonnes)

<i>Kumpulan Perkakas/Gear Group</i>		1977	1978	1979	1980	1981
174	Pukat-pukat Tunda <i>Trawl Nets</i>	45,582.64	52,439.38	58,839.57	52,283.55	42,008.34
	Jaring-jaring Hanyut <i>Drift/Gill Nets</i>	15,238.54	13,139.14	12,034.00	10,962.49	16,303.23
	Belat-belat <i>Fishing Stakes</i>	2,343.25	2,083.73	2,356.14	2,294.80	1,002.72
	Pukat-pukat Tarik <i>Seine Nets</i>	1,488.93	2,507.68	907.62	528.07	1,344.29
	Pukat-pukat Tangguk/Surung <i>Scoop/push/lift Nets</i>	13,719.96	1,222.99	243.01	239.50	303.04
	Pukat-pukat Bakul <i>Bag Nets</i>	1,909.26	3,999.15	5,081.55	8,875.44	4,444.73
	Pukat-pukat Rentang <i>Barrier Nets</i>	386.69	327.47	857.65	749.00	943.73
	Pancing <i>Hook/Lines</i>	312.34	1,125.35	1,297.88	648.40	1,427.88
	Bubu <i>Traps</i>	416.76	253.12	239.99	212.76	234.84
	Jala <i>Cast Nets</i>	—	—	—	—	—
	Memunggut Siput <i>Shellfish Collection</i>	27.65	43.44	3.87	3.39	2.61
	Rampaian <i>Miscellaneous</i>	1,868.97	370.54	432.06	272.35	27.72
JUMLAH TOTAL		83,294.99	77,511.99	82,293.34	77,069.75	68,043.13

SARAWAK
BILANGAN NELAYAN MENGIKUT BAHAGIAN, 1981
 NUMBER OF FISHERMEN BY DIVISION, 1981

Geographical Locations	Fishermen			Fish Dealers	Grands Total
	Full Time	Part Time	Total		
First Division/(West)	780	725	1,505	40	1,545
First Division/(East)	1,833	564	2,397	108	2,505
Second Division	1,004	617	1,621	51	1,672
Third Division	1,295	440	1,735	118	1,853
Fourth Division/(Bintulu)	458	62	520	28	548
Fourth Division/(Miri)	788	87	875	59	934
Fifth Division	700	425	1,125	22	1,147
Sixth Division	2,376	375	2,751	71	2,822
TOTAL	9,234	3,295	12,529	497	13,026

SARAWAK
BILANGAN LESEN YANG DIKELUARKAN MENGIKUT JENIS PERKAKAS DAN BAHAGIAN, 1981
 NUMBER OF FISHING LICENCES ISSUED BY TYPE OF GEAR AND DIVISION, 1981

Geographical Locations	Fishing Gears											Total
	Trawl Nets	Seine Nets	Drift/Gill Nets	Fishing Stakes	Hooks and Lines	Traps	Bag Nets	Push/Scoop/ Lift Nets	Barrier Nets	Miscellaneous		
First Division/(West)	31	—	641	125	6	19	2	—	151	—	975	
First Division/(East)	69	—	923	35	3	1	88	—	61	1	1,181	
Second Division	100	—	828	7	35	—	366	—	28	—	1,364	
Third Division	188	—	557	—	8	—	3	10	4	—	770	
Fourth Division/(Bintulu)	85	—	92	—	14	—	—	9	—	5	205	
Fourth Division/(Miri)	103	—	173	—	14	—	—	—	—	—	290	
Fifth Division	—	—	—	—	—	—	—	—	—	—	—	
Sixth Division	285	14	774	4	75	—	362	—	95	—	1,609	
TOTAL	861	14	3,988	171	155	20	821	19	339	6	6,394	

BILANGAN PERAHU-PERAHU BERJENTERA DAN TIADA BERJENTERA DI SARAWAK
NUMBER OF POWERED AND NON-POWERED FISHING CRAFTS IN SARAWAK
 1972—1981

Tahun/Year	Jenis Perahu/Type of Boat	Tiada Berjin Non-Powered	Berjin Sangkut Outboard Powered	Berjin Dalam/Inboard Powered				Jumlah/Total
				Kotaks	Membawa Ikan Fish Carriers	Pukat Tunda Trawlers	Lain-lain Others	
1972		1,287	877	405	45	433	460	3,507
1973		1,558	783	432	46	472	490	3,781
1974		1,772	1,098	368	69	479	586	4,372
1975		1,961	1,530	370	85	530	608	5,084
1976		1,836	1,537	378	82	569	538	4,940
1977		1,527	1,563	382	90	713	624	4,899
1978		1,128	1,464	347	106	744	1,225	5,014
1979		1,362	1,617	277	98	807	2,002	6,163
1980*		1,671	2,171	297	110	905	2,018	7,172
1981		1,889	2,192	313	163	1,057	2,947	8,561

* Perangkaan 1980 telah dipindahkan
 1980 data are revised figures.

NEGERI SARAWAK
IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
DAN DESTINASI, 1981
IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
AND DESTINATION, 1981

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Marine fish fresh, chilled</i>		<i>Tonnes</i>			
Pen. Malaysia..		—	—	—	—
Sabah ..		1.15	4,439	—	—
Brunei ..		—	—	—	—
Singapore ..		0.87	3,251	—	—
Indonesia ..		0.60	2,991	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	—	—
Australia ..		—	—	—	—
New Zealand ..		0.25	6.30	—	—
U.S.A. ..		—	—	—	—
Others ..		15.94	673.93	—	—
TOTAL ..		18.81	78,704	—	—
<i>Marine fish fresh, frozen</i>		<i>Tonnes</i>			
Pen. Malaysia..		864.26	1,837,226	9.81	26,162
Sabah ..		14.26	63,415	—	—
Brunei ..		0.01	50	95.42	238,025
Singapore ..		46,947.04	668,356	174.40	429,695
Indonesia ..		8.78	66,161	—	—
Thailand ..		46.37	99,237	—	—
Hong Kong ..		11.91	59,058	—	—
Japan ..		—	—	—	—
Australia ..		0.22	5.39	1.03	2,279
New Zealand ..		7.05	17,752	—	—
U.S.A. ..		0.04	5.91	—	—
Others ..		47.73	190,255	—	—
TOTAL ..		47,947.67	3,002,640	280.66	696,161
<i>Marine fish salted, dried or in brine</i>		<i>Tonnes</i>			
Pen. Malaysia..		1,153.08	3,526,941	7.20	23,608
Sabah ..		—	—	0.10	4.40
Brunei ..		—	—	6.18	10,046
Singapore ..		570.55	1,857,680	0.14	993
Indonesia ..		20.88	77,325	—	—
Thailand ..		17.62	40,568	—	—
Hong Kong ..		3.87	11,381	—	—
Japan ..		0.57	4,561	—	—
Australia ..		0.06	100	—	—
New Zealand ..		—	—	—	—
U.S.A ..		—	—	—	—
Others ..		2.55	11,500	—	—
TOTAL ..		1,769.18	5,530,056	13.62	35,087

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
**IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)**

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Freshwater fish, salted, dried or in brine</i>	<i>Tonnes</i>				
Pen. Malaysia..		0.84	759	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		—	—	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		0.28	2,401	—	—
TOTAL ..		1.12	3,160	—	—
<i>Fishmaws salted, dried or in brine</i>	<i>Tonnes</i>				
Pen. Malaysia..		0.03	806	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		0.23	6,208	0.02	55
Indonesia ..		0.13	919	—	—
Thailand ..		0.02	290	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.01	185	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		1.07	4,793	—	—
TOTAL ..		1.49	13,201	0.02	55
<i>Shark fins salted or dried, not further prepared</i>	<i>Tonnes</i>				
Pen. Malaysia..		2.57	52,841	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		7.55	70,182	—	—
Indonesia ..		0.55	3,967	—	—
Thailand ..		—	—	—	—
Hong Kong ..		2.15	19,320	—	—
Japan ..		0.37	12,173	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		10.06	60,076	—	—
TOTAL ..		23.25	218,559	—	—

NEGERI SARAWAK

IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
DAN DESTINASI, 1981—(samb.)IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
AND DESTINATION, 1981—(cont.)

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Smoked Salmon</i>	<i>Tonnes</i>				
Pen. Malaysia..		—	—	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		—	—	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		27.93	892	—	—
Others ..		47.94	6,114	—	—
TOTAL ..		75.87	7,006	—	—
<i>Fish smoked except Salmon</i>	<i>Tonnes</i>				
Pen. Malaysia..		0.75	6,798	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		—	—	—	—
Indonesia ..		49.00	252	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		13.00	180	—	—
Australia ..		0.04	280	—	—
New Zealand ..		0.00	120	—	—
U.S.A. ..		1,270	125	—	—
Others ..		96.56	1,041	—	—
TOTAL ..		172.05	8,796	—	—
<i>Fresh prawns frozen</i>	<i>Tonnes</i>				
Pen. Malaysia..		0.08	953	83.23	471,039
Sabah ..		0.46	5,289	—	—
Brunei ..		—	—	—	—
Singapore ..		0.01	131	40.23	320,939
Indonesia ..		—	—	—	—
Thailand ..		0.05	1,147	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	1,138.70	12,685,134
Australia ..		0.08	1,815	2.43	32,824
New Zealand ..		0.11	2,582	—	—
U.S.A. ..		—	—	93.12	741,307
Others ..		0.03	1,386	—	—
TOTAL ..		0.82	13,303	1,357.71	14,251,243

NEGERI SARAWAK

IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
DAN DESTINASI, 1981—(samb.)IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
AND DESTINATION, 1981—(cont.)

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Other crustaceans fresh, chilled or frozen</i>		<i>Tonnes</i>			
Pen. Malaysia..		13.50	51,748	269	1,458
Sabah ..		233.82	106,893	123.00	18,234
Brunei ..		—	—	—	—
Singapore ..		1.73	4,407	—	—
Indonesia ..		0.07	300	—	—
Thailand ..		227.47	31,455	—	—
Hong Kong ..		—	—	—	—
Japan ..		1.22	500	—	—
Australia ..		0.02	566	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		7.80	5,100	—	—
TOTAL ..		485.63	200,969	125.69	19,692
<i>Oysters fresh</i>		<i>Tonnes</i>			
Pen. Malaysia..		11.25	9,033	—	—
Sabah ..		—	—	—	—
Brunei ..		0.20	1,088	—	—
Singapore ..		0.06	384	—	—
Indonesia ..		—	—	—	—
Thailand ..		0.05	450	—	—
Hong Kong ..		0.08	1,055	—	—
Japan ..		1.27	13,814	—	—
Australia ..		1.23	16,862	—	—
New Zealand ..		3.42	10,180	—	—
U.S.A. ..		—	—	—	—
Others ..		3.11	32,988	—	—
TOTAL ..		20.67	85,854	—	—
<i>Other molluscs fresh, chilled or frozen</i>		<i>Tonnes</i>			
Pen. Malaysia..		467.03	658,665	—	—
Sabah ..		26.12	44,228	—	—
Brunei ..		—	—	1.90	2,910
Singapore ..		50.85	91,979	—	—
Indonesia ..		—	—	—	—
Thailand ..		20.00	25,000	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	—	—
Australia ..		3.38	12,001	—	—
New Zealand ..		113.06	274,378	—	—
U.S.A ..		0.04	2,024	—	—
Others ..		0.37	565	—	—
TOTAL ..		680.85	1,108,840	1.90	2,910

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
**IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)**

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Prawns salted, in brine, dried or simply boiled</i>	<i>Tonnes</i>				
Pen. Malaysia.. .. .		17.47	100,172	8.86	67,056
Sabah		0.04	402	—	—
Brunei		—	—	6.60	21,294
Singapore		5.35	30,202	79.72	336,478
Indonesia		4.04	29,374	—	—
Thailand		3.35	21,377	—	—
Hong Kong		—	—	—	—
Japan		—	—	—	—
Australia		—	—	0.61	9,162
New Zealand		—	—	—	—
U.S.A.		—	—	—	—
Others		0.08	384	—	—
TOTAL		30.33	181,911	95.79	433,990
<i>Other crustaceans salted, in brine, dried or simply boiled</i>	<i>Tonnes</i>				
Pen. Malaysia.. .. .		0.81	10,348	—	—
Sabah		—	—	—	—
Brunei		—	—	—	—
Singapore		0.43	1,732	—	—
Indonesia		—	—	—	—
Thailand		3.09	21,711	—	—
Hong Kong		0.07	161	—	—
Japan		1.19	6,574	—	—
Australia		—	—	—	—
New Zealand		—	—	—	—
U.S.A.		—	—	—	—
Others		5.26	62,343	—	—
TOTAL		10.85	102,869	—	—
<i>Other molluscs salted, dried or boiled:</i>	<i>Tonnes</i>				
Pen. Malaysia.. .. .		18.41	123,267	—	—
Sabah		0.80	27,000	—	—
Brunei		—	—	—	—
Singapore		22.26	101,281	—	—
Indonesia		1.38	15,705	—	—
Thailand		13.32	100,250	—	—
Hong Kong		3.61	25,705	—	—
Japan		3.91	37,347	0.00	1
Australia		—	—	—	—
New Zealand		—	—	—	—
U.S.A.		0.01	55	—	—
Others		67.36	644,742	—	—
TOTAL		131.06	1,075,352	0.00	1

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
 IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Sardines canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		1.02	2,425	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		—	—	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.35	748	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		0.12	918	—	—
Others ..		81.58	203,622	—	—
TOTAL		83.07	207,713	—	—
<i>Herrings and Brislings canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		7.67	26,125	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		—	—	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		0.91	691	—	—
TOTAL		8.58	26,816	—	—
<i>Salmon canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		—	—	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		0.01	98	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.61	1,078	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		0.66	10,411	—	—
Others ..		0.32	9,170	—	—
TOTAL		1.60	20,757	—	—

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
 IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Sauries canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		0.81	2,797	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		—	—	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		—	—	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		—	—	—	—
TOTAL ..		0.81	2,797	—	—
<i>Tuna canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		2.05	10,487	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		0.00	18	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.68	1,473	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		0.50	5,782	—	—
Others ..		0.13	1,099	—	—
TOTAL ..		3.36	18,859	—	—

NEGERI SARAWAK

**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
DAN DESTINASI, 1981—(samb.)**
**IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
AND DESTINATION, 1981—(cont.)**

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Horse mackerels canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		299.58	437,849	—	—
Sabah ..		0.03	117	2.23	8,680
Brunei ..		—	—	—	—
Singapore ..		20.98	504,136	—	—
Indonesia ..		—	—	—	—
Thailand ..		4.29	17,363	—	—
Hong Kong ..		—	—	—	—
Japan ..		1,336.03	3,317,135	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		461.18	848,135	—	—
TOTAL ..		2,122.09	5,124,735	2.23	86.80
<i>Fish and fish preparations canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		686.80	2,249,569	—	—
Sabah ..		—	—	2.36	7,560
Brunei ..		—	—	—	—
Singapore ..		1.40	6,473	—	—
Indonesia ..		—	—	—	—
Thailand ..		41.75	43,727	—	—
Hong Kong ..		0.44	2,651	—	—
Japan ..		57.03	172,642	—	—
Australia ..		—	—	—	—
New Zealand ..		0.08	603	—	—
U.S.A. ..		0.03	268	—	—
Others ..		207.83	517,823	—	—
TOTAL ..		995.36	2,993,756	2.36	7,560
<i>Fish paste and similar preparations not canned</i>	<i>Tonnes</i>				
Pen. Malaysia..		3.54	9,811	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	0.35	1,040
Singapore ..		1.82	2,930	—	—
Indonesia ..		4.70	1,090	—	—
Thailand ..		13.95	18,044	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.01	254	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		0.20	1,417	—	—
TOTAL ..		24.22	33,546	0.35	1,040

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
 IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Shark fins prepared not canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		0.25	9,286	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		0.32	7,511	—	—
Indonesia ..		0.03	950	—	—
Thailand ..		—	—	—	—
Hong Kong ..		0.07	442	—	—
Japan ..		0.03	218	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		—	—	—	—
TOTAL ..		0.70	18,407	—	—
<i>Other fish and fish preparations not canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		21.56	100,263	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		44.17	82,517	—	—
Indonesia ..		0.62	2,079	—	—
Thailand ..		179.11	437,725	—	—
Hong Kong ..		0.41	913	—	—
Japan ..		0.02	186	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		5.93	17,527	—	—
TOTAL ..		251.82	641,210	—	—
<i>Abalone canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		—	—	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		1.68	27,962	—	—
Indonesia ..		—	—	—	—
Thailand ..		—	—	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.14	4,362	—	—
Australia ..		2.44	48,515	—	—
New Zealand ..		3.21	55,099	—	—
U.S.A. ..		0.74	19,230	—	—
Others ..		1.63	33,124	—	—
TOTAL ..		9.84	188,292	—	—

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
 IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Prawns and shrimps canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		870.46	711,092	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		2.33	1,879	—	—
Indonesia ..		—	—	—	—
Thailand ..		0.25	1,790	—	—
Hong Kong ..		—	—	—	—
Japan ..		0.07	309	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	—	—
Others ..		0.90	7,845	—	—
TOTAL ..		874.01	722,915	—	—
<i>Crabs canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		0.10	732	—	—
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		0.62	2,276	—	—
Indonesia ..		—	—	—	—
Thailand ..		3.43	19,651	—	—
Hong Kong ..		—	—	—	—
Japan ..		26.40	576	—	—
Australia ..		0.03	207	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		0.04	1,266	—	—
Others ..		0.13	343	—	—
TOTAL ..		30.75	25,051	—	—
<i>Cuttlefish canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		149.03	514,349	—	—
Sabah ..		—	—	1.75	8,334
Brunei ..		—	—	—	—
Singapore ..		596.36	135,502	—	—
Indonesia ..		—	—	—	—
Thailand ..		15.56	88,112	0.42	1,820
Hong Kong ..		—	—	—	—
Japan ..		0.39	1,534	—	—
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A ..		—	—	—	—
Others ..		1,561.05	69,186	—	—
TOTAL ..		2,322.39	808,683	2.17	10,154

NEGERI SARAWAK

**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
DAN DESTINASI, 1981—(samb.)**
**IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
AND DESTINATION, 1981—(cont.)**

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
<i>Preparations of crustaceans and molluscs canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		4,943.28	1,187,433	—	—
Sabah ..		—	—	34.59	132,446
Brunei ..		—	—	—	—
Singapore ..		0.53	1,166	—	—
Indonesia ..		—	—	—	—
Thailand ..		0.19	930	—	—
Hong Kong ..		1.85	2,267	—	—
Japan ..		0.36	4,251	—	—
Australia ..		0.01	416	—	—
New Zealand ..		—	—	—	—
U.S.A. ..		0.79	2,934	—	—
Others ..		3,851.68	421,716	—	—
TOTAL ..		8,798.69	1,621,113	34.59	132,446
<i>Preparations of crustaceans and molluscs not canned</i>		<i>Tonnes</i>			
Pen. Malaysia..		6.53	26,521	—	—
Sabah ..		—	—	—	—
Brunei ..		0.01	25	—	—
Singapore ..		809.85	219,793	10.40	93,340
Indonesia ..		0.06	522	—	—
Thailand ..		1,107.38	193,581	—	—
Hong Kong ..		0.33	1,186	—	—
Japan ..		0.56	4,864	1.57	14,894
Australia ..		—	—	232.36	2,619,446
New Zealand ..		—	—	—	—
U.S.A. ..		—	—	10.40	92,739
Others ..		10.17	30,577	143.58	1,608,878
TOTAL ..		1,934.89	477,069	398.31	4,429,297
<i>Other edible products of aquatic animal origin (including jelly fish)</i>		<i>Tonnes</i>			
Pen. Malaysia..		—	—	0.93	2,801
Sabah ..		—	—	—	—
Brunei ..		—	—	—	—
Singapore ..		2.32	10,334	23.53	15,935
Indonesia ..		0.00	850	—	—
Thailand ..		0.00	275	—	—
Hong Kong ..		1.65	22,925	373.53	—58,846
Japan ..		29.70	221,286	64,751.48	3,934,002
Australia ..		—	—	—	—
New Zealand ..		—	—	—	—
U.S.A ..		—	—	—	—
Others ..		—	—	—	—
TOTAL ..		33.67	255,670	65,149.47	4,011,584

NEGERI SARAWAK
**IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT NEGERI-NEGERI ASAL
 DAN DESTINASI, 1981—(samb.)**
**IMPORTS AND EXPORTS IN FISHERY COMMODITIES BY COUNTRIES OF ORIGIN
 AND DESTINATION, 1981—(cont.)**

Description of commodity and country	Unit of quantity	Imports		Exports	
		Quantity	Value \$	Quantity	Value \$
Belacan/Shrimp paste	Tonnes				
Pen. Malaysia		223.00	286,304	—	—
Sabah		—	—	—	—
Brunei		—	—	—	—
Singapore		3.44	6,718	—	—
Indonesia		64.97	48,985	—	—
Thailand		—	—	—	—
Hong Kong		—	—	—	—
Japan		—	—	—	—
Australia		—	—	—	—
New Zealand		—	—	—	—
U.S.A.		—	—	—	—
Others		—	—	—	—
TOTAL		291.41	342,007	—	—
Total by country	Tonnes				
Pen. Malaysia		9,765.76	11,954,600	112.72	592,124
Sabah		276.68	251,783	164.03	175,694
Brunei		0.22	1,163	110.45	273,315
Singapore		49,092.76	3,845,106	328.44	1,197,435
Indonesia		155.81	251,470	—	—
Thailand		1,697.25	1,162,683	0.42	1,820
Hong Kong		26.44	147,064	373.53	58,846
Japan		1,473.92	3,806,250	65,891.75	16,634,031
Australia		7.51	81,301	236.43	2,663,711
New Zealand		127.18	361,344	—	—
U.S.A.		43.60	44,496	103.52	834,046
Others		6,489.78	3,253,356	143.58	1,608,878
GRAND TOTAL		69,156.91	25,160,616	67,464.87	24,039,900

IMPORT DAN EKSPORT IKAN DAN HASIL-HASIL PERIKANAN SARAWAK, 1963-1981

IMPORT AND EXPORT OF FISH AND FISH PRODUCTS IN SARAWAK, 1963-1981
 (Kuantiti dalam M. Ton/Quantity in M. Tonnes)

Tahun Year	Import/Import*		Eksport/Export	
	Kuantiti-M. Ton Qty.-Tonnes	Nilai C.I.F. \$ Value C.I.F. \$	Kuantiti-M. Ton Qty.-Tonnes	Nilai C.I.F. \$ Value C.I.F. \$
1963	3,750.29	5,478,765	416.56	279,379
1964	6,252.87	6,517,799	40.92	73,813
1965	4,617.90	6,179,568	97.24	179,875
1966	4,928.01	6,554,766	32.22	55,517
1967	4,341.77	5,255,127	269.60	613,984
1968	4,753.09	5,615,787	106.14	224,546
1969	4,868.64	5,795,682	112.43	268,075
1970	5,044.03	6,416,785	276.38	609,475
1971	4,166.61	5,338,441	909.85	2,209,041
1972	3,950.98	5,270,873	1,163.67	5,301,553
1973	6,285.60	8,156,581	1,381.07	7,146,986
1974	4,351.49	7,687,164	1,542.56	6,552,236
1975	4,912.73	9,553,139	1,292.25	5,770,850
1976	5,033.06	10,483,013	2,228.65	14,512,073
1977	5,182.73	11,749,997	3,155.22	21,904,917
1978	2,021.68	4,648,338	1,819.11	9,259,389
1979	5,584.79	10,776,951	3,695.10	26,469,248
1980	23,264.44	20,059,327	2,840.57	20,735,414
1981	69,156.91	25,160,616	67,464.87	24,039,900

* Perangkaan import untuk tahun 1963-1977 telah dipindahkan.
 All import data for 1963-1977 are revised figures.

PEMBETULAN KEPADA PERANGKAAN TAHUNAN PERIKANAN, 1980

(Amendments to Annual Fisheries Statistics, 1980)

1. Jadual 2.14—muka 61 (Table 2.14—Page 61)
Di bawah 'Pukat Bakul', jumlah pendaratan dalam metrik ton sebenarnya 13,586 dan bukan 13,566.
(Under 'Bag Nets', total landings in metric tonnes should read as 13,586 and not 13,566)
2. Peta J—Muka 179 (Chart J—Page 179)
Angka tahun 1970 di dalam tajuk Inggeris sebenarnya tahun 1980.
(Figure of year 1970 in English heading should read as 1980)
3. Jadual 4.1-4.3 Muka 113-131
(Table 4.1-4.3 Page 113-131)
Perangkaan import dan eksport dalam siaran 1980 adalah sementara saja. Suatu ringkasan perangkaan yang muktamad bagi 1980 kini diberikan sebagai pindaan di dalam surat muka ini*
The import and export figures given in the 1980 bulletin were provisional only. A summary of the final figures for 1980 is given as amendment on this page.

PINDAAN/AMENDMENTS

IMPORT DAN EKSPORT BARANGAN PERIKANAN, SEMENANJUNG MALAYSIA, 1980* (IMPORTS AND EXPORTS OF FISHERY COMMODITIES, PENINSULAR MALAYSIA, 1980*) (Quantity in M. Tonnes and Value in Malaysian Dollars)

Description of Commodity	IMPORTS		EXPORTS	
	Quantity	Value	Quantity	Value
Fish, fresh, chilled or frozen (Excluding fillets)	51,480.20	34,131,713	35,460.37	18,815,411
Fish-dried, salted, in brine or smoked	3,359.89	5,654,171	15,439.02	7,334,414
Crustaceans and molluscs, fresh, chilled, frozen, dried, salted, in brine, or simply boiled	29,415.51	23,817,207	39,550.63	103,473,595
Prepared or preserved fish in airtight containers	20,714.65	44,128,883	7,812.26	32,532,130
Prepared or preserved fish not in airtight containers	65.93	232,922	470.79	672,392
Prepared or preserved crustaceans and molluscs in airtight containers	458.63	2,818,660	4,581.33	21,002,572
Prepared or preserved crustaceans and molluscs not in airtight containers	1,127.06	3,006,208	7,201.57	54,601,866
Fats and oils, of fish and marine mammals	174.01	129,021	0.91	2,416
Flours and meals, of fish, crustaceans or molluscs unfit for human consumption	30,811.18	14,740,019	2,452.62	587,592
Miscellaneous	469.76	876,695	19,588.28	3,063,209
TOTAL	137,876.82	129,535,499	132,557.78	242,085,597

* Final figures.

**KUMPULAN TARAF PERANGKAAAN BAGI IKAN-IKAN
LAUT PERDAGANGAN MALAYSIA
STANDARD STATISTICAL CLASSIFICATION
OF MALAYSIAN COMMERCIAL MARINE FISHES**

ISSCAAP		Local Name	English Name	Scientific Name
DIVISION	GROUP			
DIADROMOUS	24. SHADS, MILKFISHES, ETC.	Kebasi/Selangat Puput Beliat Mata Terubok	Gizzard shad Shad Slender shad Longtail shad	Anodontosoma chacunda Pellona spp. Ilisha elongata Clupea Macrura
	25. MISCELLANEOUS	Siakap	Sea perch	Lates calcarifer
	31. FLOUNDERS, HALIBUTS, SOLES	Lidah Sebelah	Tongue sole Flatfish	Cynoglossus spp. Pseudorhombus spp.
MARINE FISHES	33. REDFISHES, BASSESS, CONGERS, ETC.	Bayan Biji Nangka Daun Baharu Delah Dengkis/Debam Duri/Pulutan/Utek Gelama/Tengkerong Gerut-gerut Jenahak Kaci Kerapu Kerisi Kerisi bali Kikek Malong Merah Mengkerong/Ubi/Conor Remong/Kunyit-kunyit Semilang Shrumbu/Lemah Puntung Damar/ Bulus-bulus Pasir-pasir/Timun- Timun/Puyu Laut	Parrotfish Goatfish Spotted batfish Fusilier Rabbitfish Marine catfishes Jewfish Grunter Red snapper Sweetlip Grouper Threadfin bream Sharptoothed bass Ponyfish, slipmouth Conger eel Red snapper Grunters, Lizardfish snappers Catfish eel Whitefish Whitings Monocle breams	Callyodon spp./Thalassoma spp. Upeneus spp. Drepane punctata Caesio erythrogaster Siganus spp. Tachysurus spp./Arius spp. Sciaena spp./Johnius spp. Pomadourus spp. Lutianus argentimaculatus Spilotichthys pictus Epinephelus spp./Plectropomus spp; Nemipterus spp. Pristipomoides typus Leiognathus spp./Gazza spp. Muraenesox spp. Lutianus spp. Sauride spp. Lutianus spp. Plotosus spp. Lactarius lactarius Sillago sihama/S. maculata Scolopsis spp.
	34. JACKS, MULLET, SAURIES, ETC.	Alu-alu/Kacang-kacang Aruan tasek Bawal hitam Bawal puteh Bawal tambak Belanak/Kedera Cermin/Gerong-cerong Cincaru Demudok Kurau/Senangin/ Senohong Pelata Selar Selar Kuning/Lolong Selayang/Curut Talang Pisang-pisang Rambai	Barracudas Black Kingfish Black pomfret White pomfret Chinese pomfret Mullet Golden trevally Hardtail scad Horse mackerel, trevally Threadfin Scad Selar Scad Goldbanded scad Round Scad Queenfish, leatherskin, leatherjacket Rainbow runner Horse mackerel, trevally	Sphyræna spp. Rachycentron canadus Parastromateus niger Pampus argenteus Pampus chinensis Mugil spp. Alectis indica/Caranx spp. Megalaspis cordyla Caranx spp. Polynemus spp. Caranx spp. Selar spp. Selaroides leptolepis Decapterus russelli Chorinemus spp. Elagatis bipinnulatus Carangoides sp.
	35. HERRINGS, SARDINES, ANCHOVIES, ETC.	Billis Bulan Parang-parang Tampan	Anchovies Tarpon Wolf herring Sardine	Stolephorus spp./Anchoviella spp. Megalops cyprinoides Chirocentrus dorab Clupea spp./Sardinella spp.
	36. TUNAS, BONITOS, BILLFISHES, ETC.	Aya/Kayu/ Tongkol Layaran/Mersuji	Eastern Little tuna/ Longtail tuna Sailfish/Black Marlin	Euthynnus spp./Thunnus spp. Makaira spp./Istiophorus spp.
	37. MACKERELS, SNOEKS, CUTLASS FISHES, ETC.	Kembong/Temenong Tenggiri Timah/Layor/Selayor	Indian mackerel spanish mackerel Ribbonfish	Rastrelliger Kanagurta/ R. neglectus Scomberomorus spp. Trichiurus spp.

KUMPULAN TARAF PERANGKAAAN BAGI IKAN-IKAN LAUT
PERDAGANGAN MALAYSIA- (samb.)
STANDARD STATISTICAL CLASSIFICATION OF MALAYSIAN
COMMERCIAL MARINE FISHES (cont.)

ISSCAAP		Local Name	English Name	Scientific Name
DIVISION	GROUP			
	38. SHARKS, RAYS, CHIMAERAS, ETC.	Pari	Ray	Dasyatis spp./Gymnura spp.
		Yu	Shark	Galeorhinidae
	39. MISCEL- LANEOUS MARINE FISHES	Ikan Baja Ikan Campur Jebong	Trashfish Miscellaneous Fishes Triggerfish	Mixed spp. Abalistes stellaris
CRUSTACEANS	42. SEASPIDERS, CRABS, ETC.	Ketam Laut	Swimming (Blue) Crabs	Portunus pelagicus
		Ketam Batu	Mangrove Crabs	Scylla serrata
	43. LOBSTERS, SPINY ROCK LOBSTERS, ETC.	Udang Karang	Spiny Lobster	Panulirus polyhagus
		Udang Lobak	Slipper Lobster	Thenus orientalis
MOLLUSCS	45. SHRIMPS, PRAWNS, ETC.	Udang	Prawns	Penacus spp./Metapenaeus spp.
		Udang Baring	Sergestid Shrimps	Acetes spp.
	56. CLAMS, COCKLES, ARKSHELLS, ETC.	kerang	Arksells/Blood Cockles	Anadara granosa
		Siput	Clams, Mussels Marine snails	Gastropods/Bivalves
	57. SQUIDS, CUTTLE- FISHES OCTOPUSES, ETC.	Sotong Biasa Sotong Katak	Squids Cuttlefishes	Loliginidae Sepiidae
		Sotong Kereta	Octopus	Suborder Incirrate
MISCELLA- NEOUS AQUATIC ANIMAL	76. MISCELA- NEOUS AQUATIC INVERTI- BRATES	Ubor-ubor	Jelly Fish	

**KUMPULAN TARAF PERANGKAAN BAGI IKAN-IKAN
AIRTAWAR MALAYSIA
STANDARD STATISTICAL CLASSIFICATION
OF COMMON MALAYSIAN FRESHWATER FISHES**

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

34	Alu-alu/Kacang-kacang	4.90	—	—	—	22.93	—	—	—	—	—	—	—	—	—	27.83
	Aruan Tasik	—	—	—	—	—	—	—	—	0.79	—	—	—	—	—	0.79
	Bawal	77.56	—	—	—	246.66	77.54	0.48	—	31.46	3.44	—	—	—	—	437.14
	Belanak/Kedera	0.18	—	—	19.24	0.18	—	1.02	—	—	—	15.78	—	—	—	36.40
	Cermin/Sagai/Cupak	9.55	—	—	—	18.88	—	—	—	—	—	—	—	—	—	28.43
	Cencaru	6.88	—	—	—	17.96	—	—	—	—	—	—	—	—	—	24.84
	Demudok/Rambai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kurau/Senangin/Senohong ..	77.42	—	—	—	27.41	12.50	0.12	7.75	57.55	—	—	—	—	—	182.75
	Pelata/Selar	4.53	—	—	—	—	—	4.42	—	—	6.41	—	—	—	—	15.36
	Selar Kuning/Lolong	20.26	—	—	—	—	—	2.43	—	—	—	—	—	—	—	22.69
	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pisang-pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Talang	2.41	—	—	—	—	—	0.06	—	—	—	—	—	—	—	2.47
35	Billis	19.72	—	—	—	—	—	7.92	—	—	—	—	—	—	—	27.64
	Parang-parang	59.40	—	—	—	442.32	1.87	0.66	—	—	—	—	—	—	—	504.25
	Tamban	79.57	—	—	—	10.65	—	13.12	—	—	—	—	—	—	—	103.34
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Kembong/Temenong	—	—	—	—	5.51	—	—	—	—	—	—	—	—	—	5.51
	Tenggiri	16.95	—	—	—	684.01	0.18	0.61	—	—	—	—	—	—	—	701.75
	Timah/Layor/Selayor	22.98	—	—	—	3.33	—	—	—	—	2.90	—	—	—	—	29.21
38	Pari	241.99	—	—	—	30.48	12.39	—	—	312.42	—	—	—	—	—	597.28
	Yu	24.14	—	—	—	0.91	1.69	—	—	9.43	—	—	—	—	—	36.17
39	Ikan Baja	4,155.30	—	—	—	—	—	597.70	—	—	630.60	26.01	—	—	—	5,409.61
	Ikan Campur	192.46	—	—	14.15	755.40	27.34	20.43	2.66	12.34	7.51	4.70	—	—	—	1,036.99
	Jebong	1.56	—	—	—	—	—	—	2.24	—	—	—	—	—	—	3.80
42	Ketam	1.39	—	—	—	35.62	—	—	1.57	—	—	5.63	—	—	—	44.21
45	Udang Karang/Lobok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Udang Besar	73.94	—	—	0.30	295.28	—	—	—	—	1.58	15.06	—	—	8.09	394.25
	Udang Sedang	111.75	—	—	30.11	231.33	—	13.93	—	—	5.08	0.54	—	—	8.04	400.78
	Udang Kecil	2,114.64	—	—	107.01	—	—	54.32	—	—	60.44	15.88	—	—	1.39	2,353.68
	Udang Baring	—	—	—	—	—	—	—	—	—	4,311.81	—	—	—	—	4,311.81
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	314.70	—	314.70
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	139.26	—	139.26
57	Sotong Kereta	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sotong Katak	92.69	—	—	—	—	—	—	—	—	—	—	—	—	—	92.69
	Sotong Biasa	168.72	—	—	—	—	—	—	—	—	—	—	—	—	—	168.72
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Jumlah Ton M.
Total M. Tonnes

8,369.99 — — 174.86 3,504.46 179.21 859.19 156.39 807.41 5,133.67 115.70 — 453.96 17.58 19,772.42

34	Alu-alu/Kacang-kacang	168.60	101.34	69.87	85.12	61.16	93.18	59.40	65.21	46.77	60.42	49.25	72.32	932.64
	Aruan Tasik	4.72	1.77	6.89	12.82	8.23	3.87	34.66	5.20	24.80	5.26	8.83	20.08	137.13
	Bawal	193.53	307.24	481.68	430.25	208.70	305.13	228.98	318.75	536.28	336.29	212.58	259.35	3,818.76
	Belanak/Kedera	918.58	137.48	227.51	120.51	129.21	435.94	396.90	304.30	366.13	302.96	424.46	421.14	4,185.12
	Cermin/Sagai/Cupak	2.36	0.36	2.24	2.18	4.66	2.59	6.11	0.85	0.48	12.16	16.28	15.78	66.05
	Cencaru	196.37	134.95	119.52	525.27	205.01	298.59	748.63	243.13	336.12	449.24	277.92	211.42	3,746.17
	Demudok/Rambai	64.19	71.45	32.67	32.56	35.45	81.55	24.68	31.76	17.54	112.04	74.47	53.17	621.53
	Kurau/Senangin/Senohong	98.61	107.20	210.11	149.86	126.07	111.38	179.74	143.26	161.91	130.43	116.81	141.02	1,676.40
	Pelata/Selar	280.71	212.77	265.38	207.50	213.49	284.64	615.24	334.61	145.31	374.23	145.67	156.62	3,236.17
	Selar Kuning/Lolong	261.82	185.12	232.97	351.90	297.46	276.71	182.81	144.65	143.68	155.78	151.55	161.70	2,546.15
	Selayang/Curut	716.22	645.13	684.77	693.22	863.77	612.22	1,095.59	699.76	318.39	671.99	672.96	519.85	8,193.87
	Pisang-pisang	—	—	—	—	18.27	16.33	34.61	29.64	24.20	28.44	25.11	—	176.60
	Talang	61.22	9.19	16.99	42.65	33.15	42.90	49.36	42.84	44.95	36.11	35.77	45.63	460.76
35	Bilis	693.71	2,065.21	2,349.67	1,943.37	2,318.21	3,173.63	3,049.12	2,561.16	4,680.16	643.68	1,317.66	2,561.16	27,356.74
	Parang-parang	220.09	293.53	296.56	355.48	271.81	250.64	302.12	212.46	240.92	245.51	237.26	234.63	3,161.01
	Tamban	742.46	623.24	599.99	539.27	438.77	227.24	884.03	207.01	110.59	336.67	326.92	207.48	5,243.67
	Bulan-bulan	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	223.78	107.32	97.22	138.48	170.90	451.61	500.43	252.21	223.42	295.40	97.27	73.92	2,631.96
	Layaran/Mersuji	6.90	2.84	2.06	4.72	7.68	8.90	1.39	3.39	1.63	1.33	3.99	4.17	49.00
37	Kembong/Temenong	3,002.63	2,136.36	5,053.31	5,553.05	5,242.12	3,577.07	3,868.92	3,953.16	2,567.08	2,847.00	2,847.25	4,379.30	45,027.25
	Tenggiri	489.30	524.87	439.13	672.23	382.03	537.02	317.37	305.38	334.62	368.86	400.97	379.34	5,151.12
	Timah/Layor/Selayor	133.34	205.79	276.28	64.37	102.54	74.70	73.92	138.35	173.87	81.25	82.27	121.84	1,528.52
38	Pari	317.54	200.49	120.09	237.39	220.28	198.72	207.56	186.76	176.56	288.22	160.99	141.13	2,455.73
	Yu	159.75	61.89	71.38	110.77	106.12	98.96	75.92	53.65	52.51	64.43	59.12	88.76	1,003.26
39	Ikan Baja	11,994.80	10,001.38	13,778.84	12,297.61	15,323.72	14,485.72	11,159.97	9,419.28	8,812.14	8,738.72	8,587.34	10,592.54	135,192.06
	Ikan Campur	390.08	282.52	303.46	545.61	284.83	271.63	370.90	272.34	394.25	314.05	266.09	324.31	4,020.07
	Jebong	63.64	40.41	0.91	5.63	34.54	22.86	4.42	1.51	2.00	11.97	1.57	10.83	200.29
42	Ketam	169.30	166.90	218.33	320.51	254.62	245.54	269.15	254.73	245.61	267.51	318.46	266.37	2,997.03
45	Udang Karang/Lobok	0.12	0.36	0.12	0.06	0.30	0.18	0.12	0.18	0.06	0.06	0.12	—	1.68
	Udang Besar	511.18	311.96	321.13	340.47	331.27	408.47	364.79	328.06	321.17	279.66	212.89	315.60	4,046.65
	Udang Sedang	1,014.59	953.93	1,183.44	1,136.91	1,479.85	1,491.90	1,572.72	1,300.72	1,031.82	1,034.71	1,038.12	1,011.23	14,249.94
	Udang Kecil	2,824.29	1,792.66	2,250.03	2,241.20	2,935.28	2,516.29	3,144.72	2,154.52	1,612.11	1,930.44	1,869.28	1,953.39	27,224.21
	Udang Baring	2,067.75	484.59	615.67	569.75	2,328.36	1,548.57	1,561.40	763.96	738.30	961.59	870.29	757.24	13,267.47
56	Kerang	2,941.20	9,243.92	8,160.98	5,274.54	5,549.43	3,703.33	7,919.88	5,844.78	5,294.79	5,342.41	4,362.00	5,220.92	68,858.18
	Siput/Kepah	65.58	74.53	112.89	170.90	158.25	55.17	34.38	284.25	258.92	46.58	563.28	406.54	2,231.27
57	Sotong Kereta	16.70	47.91	25.95	55.66	25.59	41.14	36.96	20.33	13.97	19.84	10.59	32.43	347.07
	Sotong Katak	226.76	145.55	164.25	191.82	164.31	156.20	156.62	150.02	173.33	135.75	145.61	136.96	1,947.18
	Sotong Biasa	581.38	521.65	622.22	596.79	563.58	391.17	443.68	549.66	477.14	724.93	549.30	659.18	6,680.68
76	Ubur-ubur	—	—	—	—	—	—	—	586.08	568.36	168.66	—	—	1,323.10
Jumlah Ton M./Total Tonnes		34,627.45	34,262.90	41,644.29	38,406.44	44,119.89	39,469.74	42,031.52	34,137.25	32,486.59	29,535.98	28,437.47	34,211.74	433,371.26

34	Alu-alu/Kacang-kacang	194.49	132.98	141.93	168.25	168.72	143.52	131.63	112.34	118.09	129.91	70.72	87.19	1,599.77
	Aruan Tasik	62.86	12.29	35.08	175.03	146.58	139.89	118.52	185.96	220.62	80.15	68.36	47.29	1,292.63
	Bawal	593.59	482.62	800.55	628.44	382.03	666.89	409.99	430.07	585.53	366.48	263.08	277.43	5,886.70
	Belanak/Kedera	921.36	137.48	228.54	122.21	129.21	435.94	396.90	304.30	366.13	302.96	424.46	436.21	4,205.70
	Cermin/Sagai/Cupak	13.13	146.69	39.04	59.23	66.08	154.12	44.93	57.28	129.93	93.28	58.08	46.45	908.24
	Cencaru	306.96	558.96	418.99	1,066.51	545.97	808.33	982.38	415.61	441.31	581.36	345.98	261.33	6,733.69
	Demudok/Rambai	128.02	207.88	119.53	201.44	149.05	270.56	110.10	369.01	148.28	340.42	116.65	71.74	2,232.68
	Kurau/Senangin/Senohong	98.61	112.71	210.11	157.06	139.98	191.48	180.10	143.56	162.15	132.67	128.67	147.80	1,804.90
	Pelata/Selar	721.48	746.90	1,544.15	1,030.54	1,336.61	1,506.68	2,012.29	1,926.70	1,181.90	1,281.25	822.68	797.59	14,908.77
	Selar Kuning/Lolong	1,738.17	1,611.92	3,321.20	2,750.80	2,836.18	2,604.02	2,829.51	2,747.59	3,098.26	2,944.84	2,069.55	1,530.55	30,082.59
	Selayang/Curut	1,907.88	1,973.73	2,561.04	1,602.92	1,766.31	1,462.07	2,750.88	3,029.59	1,959.90	2,417.43	1,456.09	1,234.20	24,122.04
	Pisang-pisang	53.48	53.84	47.07	35.15	35.21	67.27	82.10	66.53	74.96	76.06	77.14	53.12	721.93
	Talang	68.17	47.73	23.95	57.77	63.16	71.15	64.48	46.89	68.30	71.07	60.94	46.36	689.97
35	Bilis	695.89	2,101.02	3,201.88	2,908.04	3,286.82	3,554.33	3,208.05	3,248.51	6,210.84	1,152.32	1,327.94	2,561.16	33,456.80
	Parang-parang	362.68	423.13	436.00	539.09	408.65	461.84	466.56	414.47	462.77	388.47	364.73	308.72	5,037.11
	Tamban	888.97	1,904.50	1,122.31	2,077.33	1,592.08	1,516.11	1,902.73	870.40	1,377.02	2,333.89	1,108.18	813.84	17,507.36
	Bulan-bulan	4.11	7.20	12.70	1.39	1.27	1.33	—	—	—	26.19	14.76	0.42	69.37
36	Aya/Kayu/Tongkol	658.32	960.44	928.14	2,300.19	1,467.02	1,768.96	1,699.22	1,488.81	2,039.27	2,634.23	1,251.52	529.09	17,725.21
	Layaran/Marsuji	38.41	18.57	40.96	67.87	269.75	29.83	36.73	36.84	30.67	49.49	30.06	24.86	674.04
37	Kembong/Temenong	6,272.14	5,254.13	9,541.38	9,088.64	8,506.44	6,330.55	5,965.59	7,106.28	6,289.58	6,341.55	4,207.02	5,517.30	80,420.60
	Tenggiri	1,083.24	1,100.31	946.27	1,718.99	1,057.35	1,093.22	1,069.87	905.44	1,087.80	1,067.95	842.42	592.84	12,565.70
	Timah/Layor/Selayor	213.68	282.62	357.89	263.77	223.35	146.98	511.77	196.30	222.93	111.07	110.76	165.88	2,807.00
38	Pari	333.19	224.44	157.96	264.19	260.27	240.21	269.52	242.78	217.52	403.70	205.15	157.89	2,976.82
	Yu	231.37	145.31	241.31	336.77	238.01	334.28	398.37	176.77	135.45	190.86	127.66	108.24	2,664.40
39	Ikan Baja	13,151.60	11,322.99	16,385.50	13,267.24	16,664.92	15,610.83	12,697.55	11,307.65	11,275.78	11,204.05	10,331.92	11,863.25	155,083.28
	Ikan Campur	1,036.14	1,203.17	1,539.81	2,073.45	1,009.97	1,463.55	1,168.37	1,196.13	1,403.98	1,090.07	761.60	873.60	14,819.84
	Jebong	64.86	41.07	4.18	6.54	42.58	27.52	12.71	4.36	3.99	12.52	2.41	10.89	233.63
42	Ketam	204.75	188.74	245.73	340.35	287.65	345.72	340.71	378.32	319.43	297.05	378.48	287.42	3,614.35
45	Udang Karang/Lobok	5.69	8.89	17.48	2.29	6.05	3.26	8.41	4.84	9.25	7.07	16.45	35.03	124.71
	Udang Besar	603.80	399.44	425.66	408.77	374.58	470.47	417.91	373.26	356.74	334.53	279.72	487.59	4,932.47
	Udang Sedang	1,128.14	1,062.39	1,315.61	1,225.35	1,571.92	1,560.44	1,639.57	1,408.16	1,086.51	1,123.45	1,182.41	1,184.26	15,488.21
	Udang Kecil	2,982.30	1,996.72	2,446.41	2,389.54	3,061.96	2,640.12	3,255.50	2,231.16	1,680.41	2,089.66	2,082.60	2,208.86	29,065.24
	Udang Baring	2,430.36	1,247.44	2,826.38	3,663.22	3,473.43	1,554.44	1,561.40	858.94	792.08	1,080.83	1,045.37	803.70	21,337.59
56	Kerang	2,941.20	9,243.92	8,160.98	5,274.54	5,549.43	3,703.33	7,919.88	5,844.78	5,299.63	5,368.18	4,363.63	5,242.10	68,911.60
	Siput/Kepah	65.58	74.53	112.89	170.90	158.25	55.17	34.38	284.25	258.92	46.58	563.28	406.54	2,231.27
57	Sotong Kereta	16.70	47.91	30.49	55.66	25.59	41.14	37.02	20.39	16.69	20.33	13.25	32.43	357.60
	Sotong Katak	292.10	223.77	331.70	315.90	237.81	260.98	311.75	245.42	256.69	193.77	191.54	173.08	3,034.51
	Sotong Biasa	604.97	558.25	1,076.74	1,008.90	1,066.95	1,001.57	1,479.30	1,701.43	1,163.85	867.88	663.99	665.17	11,859.00
76	Ubur-ubur	—	—	—	—	—	—	—	586.08	568.36	168.66	—	—	1,323.10
Jumlah Ton M./Total M. Tonnes		46,751.03	49,007.68	64,900.53	61,575.84	63,494.71	58,275.18	60,292.86	55,099.56	55,217.94	50,700.87	40,998.62	43,000.23	649,315.05